CENTRAL REGIONAL LABORATORY

Data Checklist

Data Set AIR 20010070 Cheshire Monitoring Study
Suspended Particles

- ☑ Chain-of-Custody
- ☑ Analysis Request Form(s)*
- ☐ Sample Tags
- ☑ 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 9-12-01
Data Management Coordinator

Rev. 5/4/00

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: SEP 1 2 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: **20010070**

Samples analyzed for: **Suspended Particles**

Results are reported for sample designations: **2001AH07S01, 2001AH07D01 and 2001AH07S03.**

SEP 1 2 2001
/ /

Data Management Coordinator and Date Received

Date Transmitted: SEP 1 2 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

Central Regional Laboratory, RMD, Region 5
Customer Satisfaction Survey

The purpose of this survey is to collect information from you about your recent experience with analytical services received from the Region 5 Central Regional Laboratory (CRL). This survey is divided into 4 sections. Please fill out the information in each section as requested. Then in Section C, supply your name and contact information, and submit the form as directed at the end of the survey.

Section A -- Sample Requests

Please respond to the following questions as accurately as possible. If you have additional comments beyond the space provided, please send them to George Schupp, CRL Sample Coordinator, at ML-10C (See Form Submission).

1. What is your CRL Data Set Number(s) [i.e., the 8-digit number beginning with the 4-digit FY and followed by a 4 digit number]? (Eg.:20010099) _____

2. How easy was it to schedule samples? :

   Easy: _____ Difficult: _____

3. If not "Easy", please provide a brief explanation:

SECTION B -- Analytical Services

Please respond to the following questions concerning the analysis of your samples.

1. Overall, how would you rate the CRL analytical services you received?

   Bad ____ ; Poor ____ ; Fair ____ ; Good ____ ; Excellent ____

2. If not "Good" or "Excellent", what was the problem?

3. What type of analytical services did you request (eg, analysis of samples, etc.; lab audit; document review, other)?

4. Who performed the analytical service(s) (CRL EPA Staff, ESAT)?

SECTION C -- Comments and Suggestions

Please provide specific comments or suggestions for improving any of the aspects of CRL Analytical Services:

If you would like additional information on CRL Analytical Services, The CRL Board of Directors, or the Sample Request Process, please indicate below (✓) and provide your name and mail code).

Analytical Services ____; CRL Board of Directors ____; Sample Requests _____

Name: _____ Mail Code: _____

FORM SUBMISSION

Thank you for taking the time to answer the questions in our survey. You will receive a confirmation message from us shortly.

We will review your survey and respond to any specific concerns or problems ASAP. Your survey and others will be evaluated for trends in an effort to establish efficient support and analytical processes. The process at each stage of the analytical services we provide are critical links towards giving you the kind of timely, accurate analytical services you need. This data will also be tracked by our management and the Board of Directors so additional customer feedback can be used to plan CRL activities in the future.

Please forward this completed survey to:

CRL Sample Coordinator at **Mail code: ML-10C**

Please go to the following e-mail address at: schupp.george@epa.gov to request an electronic copy of this survey or call 312-353-1226.

Project No. 01AH07 **Project Name** CHESHIRE MONITORING STUDY 20010070 ARRIVAL DATE: 9/10/2001 90101A DUE DATE: 9/17/2001

Sampler
Mike Murphy

Cooler ID 01AH071 **Page** 5-140012

Sample Id:	Station	Date / Time	Grab / Comp	Station Location	No Bottles	Tag Numbers
01AH07DO1	DO1	29/08/2001 00:00:00	○ Grab ● Com	GUIDING HANDS SCHOOL	2	5-340051 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
01AH07SO1	SO1	29/08/2001 00:00:00	○ Grab ● Com	GUIDING HANDS SCHOOL	2	5-340050 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
01AH07SO2	SO2	29/08/2001 00:00:00	○ Grab ● Com	RVHS	1	5-340052 1 to 1

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

Sample Id:	Station	Date / Time	Grab / Comp	Station Location	No Bottles	Tag Numbers
01AH07SO3	SO3	29/08/2001 00:00:00	○ Grab ● Com	ADDAVILLE	2	5-340053 1 to 2

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

Bottle No. 2 **Parameter** PM10

CRL Data Review Qualification Codes

QUALIFIER	DESCRIPTION
B	This flag is used when the analyte is found in the associated ***B***lank as well as the sample. It indicates possible blank contamination and warns the user to take appropriate action while assessing the data. See the case narrative for a discussion of common lab contaminants and/or the relative concentration of contamination in the samples and blanks for relevance.
J	This flag is used when the analyte is estimated due to quality control limit(s) being exceeded. This flag accompanies all GC/MS tentatively identified compounds (TICs). This flag also applies to a suspected, unidentified interference. This flag is placed on affected detected results as well as non-detected (i.e., "U" flagged) results. (***J*** is the flag used in the Superfund CLP SOW and Data Review Functional Guidelines and is used by CRL for consistency.)
M	This flag is used when the analyte is confirmed to be qualitatively present in the sample, extract or digestate, with a quantity at or above the CRL ***M***ethod Detection Limit (MDL) but below the lowest concentration of the calibration curve. This flag indicates the quantitated value is estimated since it falls below the lowest calibration standard in the calibration curve.
N	This flag applies to GC/MS Te***N***tatively Identified Compounds (TICs) that have a mass spectral library match.
Q	This flag applies to analyte data that are severely estimated due to quality control and/or ***Q***uantitation problems, but are confirmed to be qualitatively present in the sample. No value is reported with this qualification flag.
R	This flag applies to analyte data that are ***R***ejected and unusable due to severe quality control, quantitation and/or qualitative identification problems. No other qualification flags are reported for this analyte. No value is reported with this qualification flag.
U	This flag in used when the analyte was analyzed for but ***U***ndetected in the sample. The CRL RL for the analyte accompanies this flag. When the customer requests CRL to report below our RL down to our MDL, undetected analytes are reported with a "U" code and the MDL. As with sample results that are positive, the value is corrected for dry weight, dilution and/or sample weight or volume.

03/07/01

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:** 08/29/2001 **LAB ARRIVAL DATE:** 09/10/2001 **DUE DATE:** 09/17/2001
DU NUMBER: 90101A **DATA SET NUMBER:** 20010070 **STUDY:** CHESHIRE MONITORING STUDY **PRIORITY:** 1 **LABORATORY :**CRL

SAMPLE #	CRL LOG NUMBER	SAMPLE DESCRIPTION	SUSPENDED PARTICLE (g/filter)			
1	2001AH07D01	GUIDING HANDS SCHOOL	0.0473			
2	2001AH07S01	GUIDING HANDS SCHOOL	0.0502			
3	2001AH07S03	ADDAVILLE	0.0572			
DATE OF ANALYSIS			09/12/2001			
ANALYST			FBA			

Reviewed by: E.S Date: 9/12/2001

ATTACHMENT II

CRL Analytical and Inorganics Data Review Checklist

Batch Number: 20010070 Facility: CHESHIRE MONITORING STUDY

Parameter: SUSPENDED PARTICLE CRL.SOP: AIGQ 47

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?	✓	
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: FAA Peer Reviewer: E.S

Date: 9/12/2001 Date: 9/12/2001

Comments Attached? (Y/N)_____

Data Set Number:	*20010070*	**Parameter:**	*Suspended Particles*
Facility Name:	*CHESHIRE MONITORING STUDY*		
Study Name:	*CHESHIRE MONITORING STUDY*		
Date of Narrative:	*09/12/2001*	**Analyst:**	*FAA*
		Signature:	FAA

ANALYSIS CASE NARRATIVE

Three (3) exposed filters were received for suspended particle analysis at the Central Regional Laboratory (CRL) on September 10, 2001. These three filters were fractions of 24 clean filters, prepared at the CRL between August 06 and 10, 2001 and sent to the field for exposure. Filter preparations and final weighting of exposed filters were performed according to CRL.SOP AIG047. Analysis of exposed filters were completed on 9/12/2001. All the suspended particle results are acceptable for use.

Filters ID	Samples ID	Tag Number
G6280060	2001AH07D01	5-340051-1
G6280059	2001AH07S01	5-340050-1
G6280061	2001AH07S03	5-340053-2

CHESHIRE AIR MONITORING PROJECT
PM10

Parameter: Suspended Particles

Data Set Numbers: 20010069 and 20010070

Date of Analysis 9/11-12/2001

Analyst: FAA

BALANCE VERIFICATION:

Sandard Weights Actual (g)	Balanced weight Balanced (g)	Differences (g)
		Limit +/-0.0005 g
Data set Number 20010070		
1.0000	0.9998	0.0002
1.0000	0.9999	0.0001
2.0000	1.9999	0.0001
2.0000	1.9998	0.0002
5.0000	4.9998	0.0002
5.0000	5.0000	0.0000

QC-SUMMARY FOR EXPOSED FILTERS

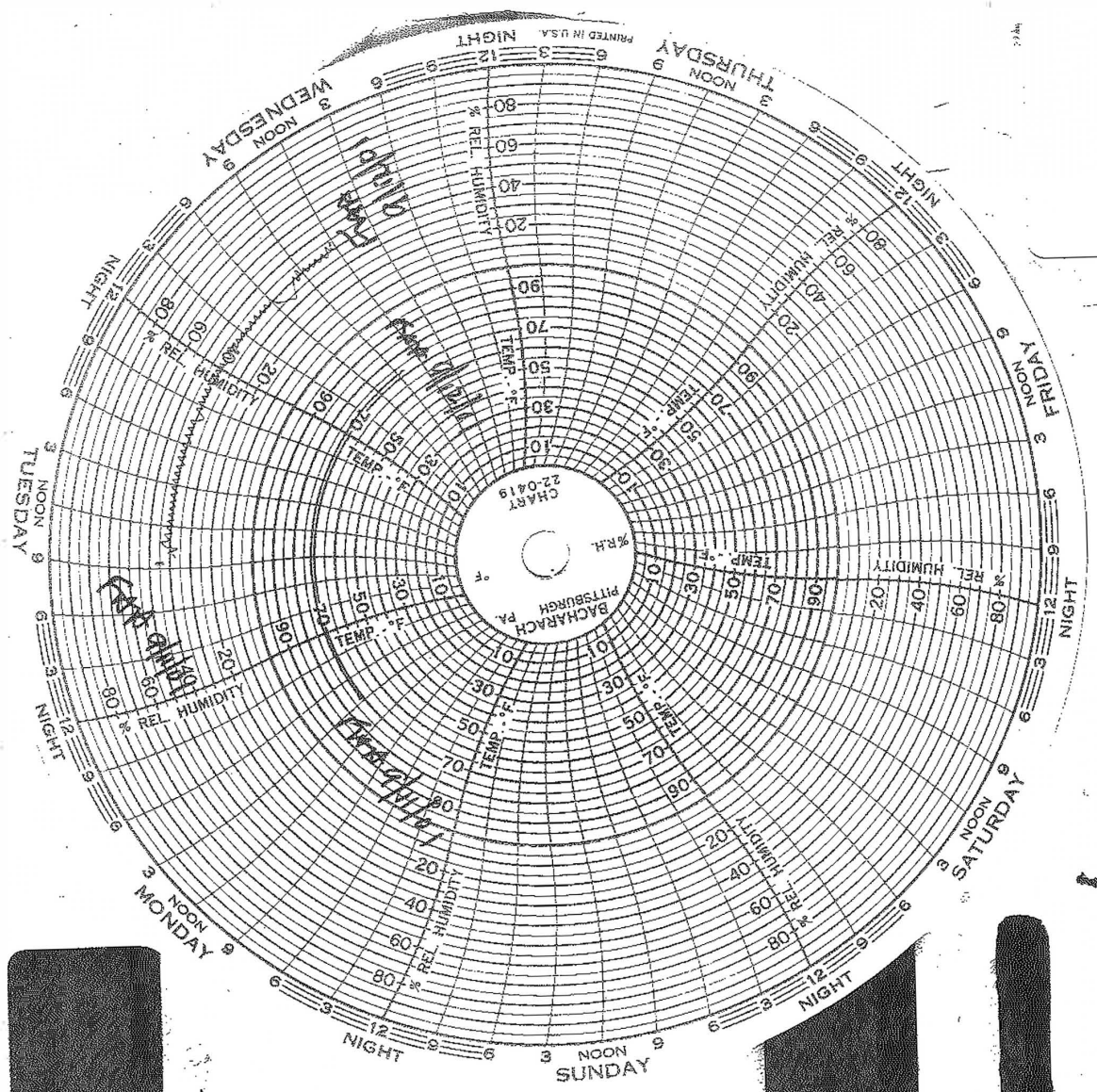
Filter ID Number	CRL Sample I.D Number	Sampling Date	ANALYST	Exposed weight (g)
Data set Number 20010070				
Q6280060	2001AH07D01	08/29/01	Analyst 1	4.4279
Q6280060	2001AH07D01	08/29/01	Analyst 2	4.4278
Differences (Limit +/- 5 mg).....				0.0001

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 20010069											
G1006694	2001AH06S01	08/23/01	Guiding Hands School	3012	15.50		**0.00**	4.4154	4.4530	0.0376	ERR
G1006690	2001AH06S03	08/23/01	Addaville	3011	15.40		**0.00**	4.4085	4.4456	0.0371	ERR
Data set Number 20010070											
Q6280060	2001AH07D01	08/29/01	Guiding Hands School	3013	20.25		**0.00**	4.3806	4.4279	0.0473	ERR
Q6280059	2001AH07S01	08/29/01	Guiding Hands School	3012	20.25		**0.00**	4.3591	4.4093	0.0502	ERR
Q6280061	2001AH07S03	08/29/01	Addaville	3011	19.90		**0.00**	4.3773	4.4345	0.0572	ERR

FAA 9/12/2001

Filters ID	TARE Wt. (g)	Dep. Wt (g)	Exposed Wt (g)	Exposed Dep. Wt (g)	Comm
~~Q100693~~					
Q6280082	4.3897				
Q6280081	4.3563				
Q6280080	4.3521				
Q6280079	4.3681				
Q6280078	4.3542				
Q6280077	4.3320	4.3320 KS			
Q6280076	4.3650				
Q6280075	4.3640				
Q6280074	4.3634				
Q6280073	4.3861				
Q6280072	4.4025				
Q6280071	4.3773				
Q6280070	4.3585				
Q6280069	4.3932				
Q6280068	4.3858				
Q6280067	4.3312	4.3300 KS			
Q6280066	4.3774				
Q6280065	4.3824				
Q6280064	4.3691				
Q6280063	4.3705				
Q6280062	4.3919				
Q6280061	4.3773		4.4345		
Q6280060	4.3806	4.3805 KS	4.4279	4.4278 KS	
Q6280059	4.3591		4.4093		

9/11/2001 — 9/12/2001


BACHARACH
PITTSBURGH PA
CHART
22-0419
PRINTED IN U.S.A.
SUNDAY
MONDAY
TUESDAY
WEDNESDAY
THURSDAY
FRIDAY
SATURDAY
NOON
NIGHT
TEMP. °F
REL. HUMIDITY %

EPA 3206 (REVISED 10/91)

COMMENTS:

STD		ACTUAL		PM-10		ug/m³			
FLOW		m³/min		TOTAL FLOW		m³	SAMPLE WT		g
ELAPSED TIME	1440	MINUTES		PRESS		mmHg	INITIAL WT		g
AVG. RECORDER RESP.	28.25			TEMP	°C	K	FINAL WT		g
TSP		SITE	GHS # 3013 , Dup						
PM-10	✓	AIRS	[redacted]	OPERATOR	CEPA		DATE	9-27-01	

US EPA Region 5 Field Sample

5-340051-2

Parameters PM10

20010070

Preservative None S M MD B D

Sample ID 01AH07DO1

Sampler Mike Murphy

Date 9-5-01

US EPA Region 5 Field Sample

5-340050-2

Parameters PM10

2uH1UT10

Preservative None S M MD B D

Sample ID 01AH07S01 X

Sampler Mike Murphy

Date 9-6-01

PM-10 / AIRS [redacted] OPERATOR SEE OEPA DATE 8-27-01

TSP _____ SITE GHS # 3012 Q62800057

AVG. RECORDER RESP. 20.25 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 3506 (REVISED 10/91)

US EPA Region 5 Field Sample

5-340053-2

Parameters PM10

30010070

Preservative None S M MD B D

Sample ID 01AH07S03 X

Sampler Mike Murphy

Date 9-5-01

PM-10 ✓ AIRS [redacted] OPERATOR OEPA DATE 8-29-01

TSP _____ SITE Addaville # 3011 # 06280061

AVG. RECORDER RESP. 199 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 3300 (REVISED 10/91)

CENTRAL REGIONAL LABORATORY

Data Checklist

Data Set AIR 20010070 Cheshire Monitoring Study
Metals

- [x] Chain-of-Custody
- [x] Analysis Request Form(s)*
- [ ] Sample Tags
- [x] 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 9-17-01
Data Management Coordinator

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: SEP 17 2001

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: **20010070**

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

Results are reported for sample designations: **2001AH07S01, 2001AH07D01, 2001AH07S02 and 2001AH07S03**

SEP 1 7/ 2001/

Data Management Coordinator and Date Received

Date Transmitted: SEP 1 7 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

Central Regional Laboratory, RMD, Region 5
Customer Satisfaction Survey

The purpose of this survey is to collect information from you about your recent experience with analytical services received from the Region 5 Central Regional Laboratory (CRL). This survey is divided into 4 sections. Please fill out the information in each section as requested. Then in Section C, supply your name and contact information, and submit the form as directed at the end of the survey.

Section A -- Sample Requests

Please respond to the following questions as accurately as possible. If you have additional comments beyond the space provided, please send them to George Schupp, CRL Sample Coordinator, at ML-10C (See Form Submission).

1. What is your CRL Data Set Number(s) [i.e., the 8-digit number beginning with the 4-digit FY and followed by a 4 digit number]? (Eg.:20010099) _____

2. How easy was it to schedule samples? :

   Easy: ____ Difficult: ____

3. If not "Easy", please provide a brief explanation:

SECTION B -- Analytical Services

Please respond to the following questions concerning the analysis of your samples.

1. Overall, how would you rate the CRL analytical services you received?

   Bad ___ ; Poor ___ ; Fair ___ ; Good ___ ; Excellent ___

2. If not "Good" or "Excellent", what was the problem?

3. What type of analytical services did you request (eg, analysis of samples, etc.; lab audit; document review, other)?

4. Who performed the analytical service(s) (CRL EPA Staff, ESAT)?

SECTION C -- Comments and Suggestions

Please provide specific comments or suggestions for improving any of the aspects of CRL Analytical Services:

If you would like additional information on CRL Analytical Services, The CRL Board of Directors, or the Sample Request Process, please indicate below (✓) and provide your name and mail code).

Analytical Services ____; CRL Board of Directors ____; Sample Requests _____

Name: _____ Mail Code: _____

FORM SUBMISSION

Thank you for taking the time to answer the questions in our survey. You will receive a confirmation message from us shortly.

We will review your survey and respond to any specific concerns or problems ASAP. Your survey and others will be evaluated for trends in an effort to establish efficient support and analytical processes. The process at each stage of the analytical services we provide are critical links towards giving you the kind of timely, accurate analytical services you need. This data will also be tracked by our management and the Board of Directors so additional customer feedback can be used to plan CRL activities in the future.

Please forward this completed survey to:

CRL Sample Coordinator at Mail code: ML-10C

Please go to the following e-mail address at: schupp.george@epa.gov to request an electronic copy of this survey or call 312-353-1226.

CRL Data Review Qualification Codes

QUALIFIER	DESCRIPTION
B	This flag is used when the analyte is found in the associated ***B***lank as well as the sample. It indicates possible blank contamination and warns the user to take appropriate action while assessing the data. See the case narrative for a discussion of common lab contaminants and/or the relative concentration of contamination in the samples and blanks for relevance.
J	This flag is used when the analyte is estimated due to quality control limit(s) being exceeded. This flag accompanies all GC/MS tentatively identified compounds (TICs). This flag also applies to a suspected, unidentified interference. This flag is placed on affected detected results as well as non-detected (i.e., "U" flagged) results. (***J*** is the flag used in the Superfund CLP SOW and Data Review Functional Guidelines and is used by CRL for consistency.)
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U	This flag in used when the analyte was analyzed for but ***U***ndetected in the sample. The CRL RL for the analyte accompanies this flag. When the customer requests CRL to report below our RL down to our MDL, undetected analytes are reported with a "U" code and the MDL. As with sample results that are positive, the value is corrected for dry weight, dilution and/or sample weight or volume.

03/07/01

Project No. 01AH07 | Project Name CHESHIRE MONITORING STUDY 90101A

2001 0070 ARRIVAL DATE: 9/10/2001 DUE DATE: 9/17/2001

Sampler
Mike Murphy

Cooler ID 01AH071 Page 5-140012

Sample Id:	Station	Date / Time	Grab / Comp	Station Location	No Bottles	Tag Numbers
01AH07DO1	DO1	29/08/2001 00:00:00	◯ Grab ● Com	GUIDING HANDS SCHOOL	2	5-340051 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
01AH07SO1	SO1	29/08/2001 00:00:00	◯ Grab ● Com	GUIDING HANDS SCHOOL	2	5-340050 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
01AH07SO2	SO2	29/08/2001 00:00:00	◯ Grab ● Com	RVHS	1	5-340052 1 to 1

Bottle No. 1 Parameter
Metal analysis by ICP

Sample Id:	Station	Date / Time	Grab / Comp	Station Location	No Bottles	Tag Numbers
01AH07SO3	SO3	29/08/2001 00:00:00	◯ Grab ● Com	ADDAVILLE	2	5-340053 1 to 2

Bottle No. 1 Parameter
Metal analysis by ICP

Bottle No. 2 Parameter
PM10

Date: 14 September 2001
Analyst: John V. Morris
Sample Batch Number: 20010070
Facility Name: Cheshire Monitoring Study
Analyte: ICP Metals

Narrative for the Analysis of Metals in Water in Batch 20010070

On 10 September 2001, four air filters were received at CRL for analysis for metals. The samples were collected on 29 August 2001. The sample descriptions are:

Sample ID	Serial No.	Station ID
2001AH07S01	G6093489	GUIDING HANDS SCHOOL
2001AH07D01	G6093491	GUIDING HANDS SCHOOL
2001AH07S02	G6093492	RVHS
2001AH07S03	G6093493	ADDAVILLE

The analysis was limited to the thirteen metals listed on page 15 of the QAPP.

The samples were prepared on 11 September 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 1305. There are no holding times for the air program.

Three filter blanks were prepared, but were taken from a different box than the field samples because all of the one box had been shipped to the field. These blank filters are the first taken from the next series to be shipped to the field, so this data will be used to generate new limits for blank subtracted results. The previous blank data was used for blank subtraction, only applying blank subtraction to the elements barium, chromium, iron, magnesium and nickel. All other elements reported had filter blank results well below the detection limits of the respective analytes. For the five above named elements, the average filter blank from the measurements performed alongside earlier batches from this study and data collected on filter blanks prior to the begin of field collection, was subtracted from the measured results. 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 12 September 2001 using method Metals_003, using the Perkin-Elmer 3300DV ICP. The yttrium internal standard readings were consistent throughout the run, with the sole exception of the dilution analyzed at 2:37 PM. At that time, the tubing supplying the internal standard to the mixing block came apart. The analyst was present, and able to stop the run, make the repair, and repeat the sample. This event is noted on the raw data and the run log.

Date: 14 September 2001
Analyst: John V. Morris
Sample Batch Number: 20010070
Facility Name: Cheshire Monitoring Study
Analyte: ICP Metals

For the thirteen metals reported for this study, all instrument check standards (LCM1, LCM2, Hi AQC) were in control. The blanks showed some out-of-control audits, but none were of any consequence to the data. Specifically, beryllium, copper, magnesium and manganese were more negative than the MDL for the instrument blanks (LCB) straddling the field samples. None of this negative bias, if compensated for, would result in a reportable concentration for beryllium, or would be more than a percent or two change for the others. The first instrument blank was just high (above MDL) for iron and lead, while it was just low for manganese. The second instrument blank was low for copper, magnesium and manganese. These had no effect on the data. The digestion blank (LRB) was high for iron and low for magnesium and manganese, again with no effect, but cadmium was negative (-0.00023 mg/L), which could mean that samples 2001AH07S01 and 2001AH07S02 were false negatives for cadmium. Also, samples 2001AH07D01 and 2001AH07S03 could be affected by about 20%. For this reason, all the cadmium data for the four samples are given a "J" flag, that the data are estimated.

The report level check (RLC) was within 80-120% recovery for most of the 13 elements, and in 75-125% for copper and selenium. Magnesium and manganese were outside these limits, possibly affected by the negative bias seen in the instrument blanks. The other instrument checks for these elements were all in control, and the data for these two elements were far above the reporting limits, at least before filter blank subtraction. The duplicate filter digestion was within ±20% for the relative percent difference (RPD) or within ± the MDL for the difference.

Two digests were greater than the calibration standard for copper, 2001AH07S01, and its duplicate. The two-fold dilutions were inserted into the run before the final instrument quality control, and the copper data is taken from these dilutions.

Again, as with batch 20010067, the co-located sample pair 2001AH07S01 and 2001AH07D01 results are quite different. Again it appeared that the exposed portion is much darker for the sample 2001AH07S01 than for sample 2001AH07D01, as is consistent with the analytical results.

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\20010070\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\20010070\reports\

CRL Metals Data Review Checklist

Batch Number: 20010070 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: 14 Sept 01

Peer Reviewer: Kathleen Swan Date: 9 17 01

CRL Form Version 03.1/00

Comments Attached? (Y/N)_____

29 Aug 01

Addeville
#22912
8-29-01
#G6093493

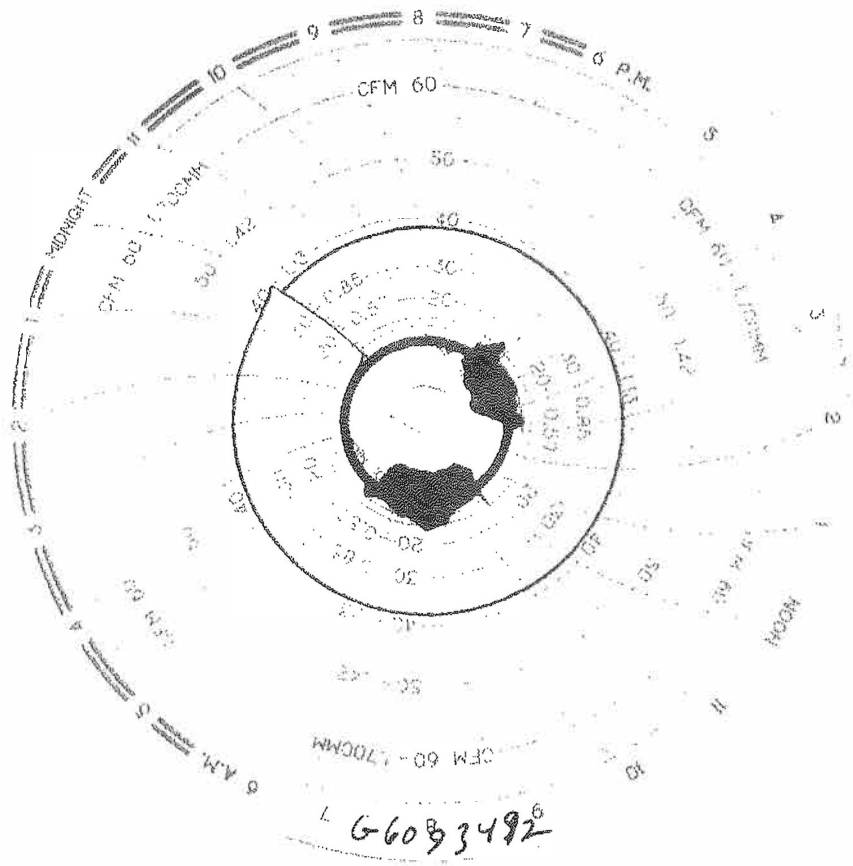
RUHS
#22912
8-29-01
#G6093492

GHS
#1234
8-29-01
#G6093489

GHS #2085
8-29-01
M.J.M.
#G6093491

29 Aug 01

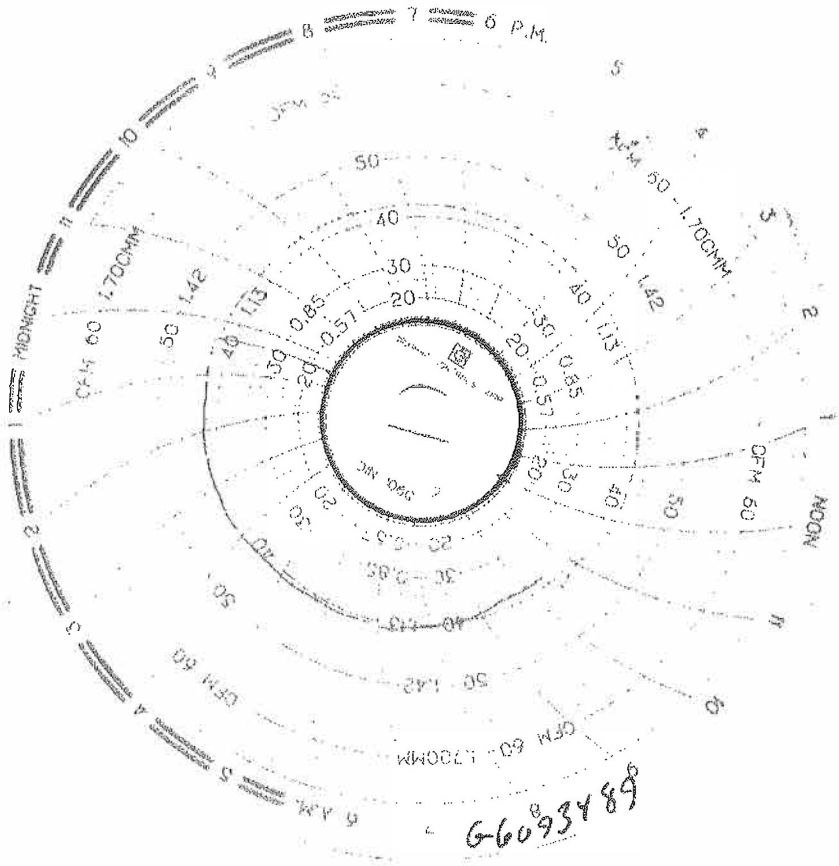
G6B9 34693



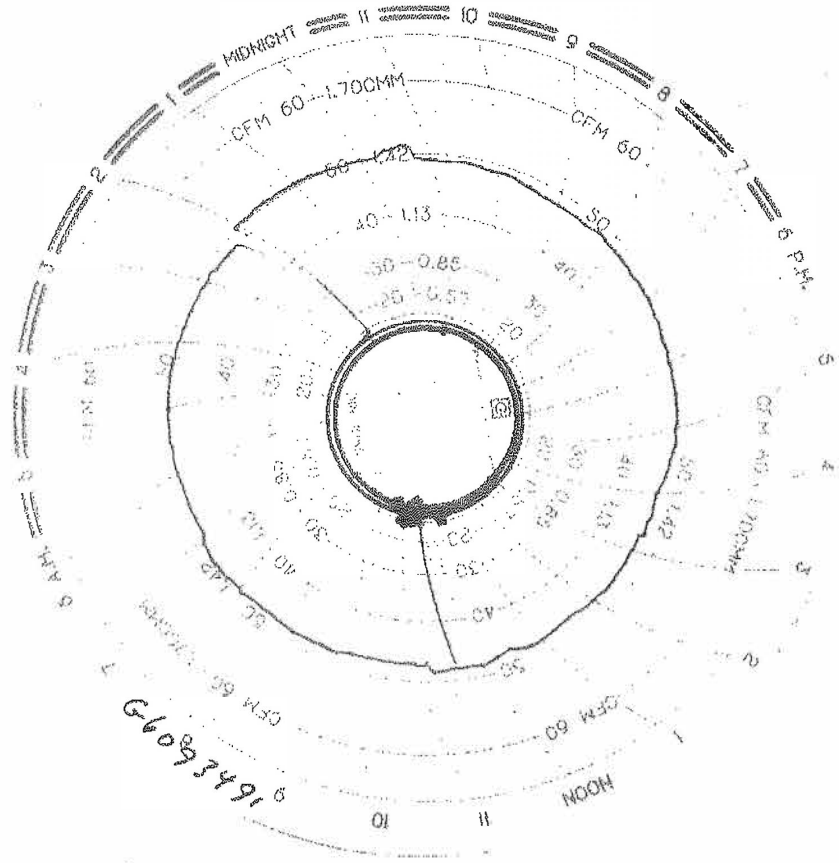
G6B3492

L00100 70

29 Aug 01



G60 93489



G60 93491

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

Sample Number:	2001AH07S01	Station ID:	GUIDING HANDS SCHOOL
Sample Batch Number:	20010070	Study:	Cheshire Monitoring Study
Collection Date:	29 Aug 01	Filter SN:	G6093489
Analysis Date:	12 Sept 01		

Element	Concentration		Units
Arsenic	9	U	µg/filter
Barium	95	U	µg/filter
Beryllium	0.6	U	µg/filter
Cadmium	0.6	U,J	µg/filter
Chromium	3.14	U	µg/filter
Cobalt	1.2	U	µg/filter
Copper	1410		µg/filter
Iron	426		µg/filter
Lead	15.6		µg/filter
Magnesium	343	U	µg/filter
Manganese	115		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:	2001AH07D01	Station ID:	GUIDING HANDS SCHOOL
Sample Batch Number:	20010070	Study:	Cheshire Monitoring Study
Collection Date:	29 Aug 01	Filter SN:	G6093491
Analysis Date:	12 Sept 01		

Element	Concentration		Units
Arsenic	9	U	µg/filter
Barium	95	U	µg/filter
Beryllium	0.6	U	µg/filter
Cadmium	0.722	J	µg/filter
Chromium	3.33		µg/filter
Cobalt	1.2	U	µg/filter
Copper	123		µg/filter
Iron	690		µg/filter
Lead	17.5		µg/filter
Magnesium	504		µg/filter
Manganese	175		µg/filter
Nickel	5.73	U	µg/filter
Selenium	20.4		µg/filter

Jum
14 Sept 01

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

Sample Number:	2001AH07S02	Station ID:	RVHS
Sample Batch Number:	20010070	Study:	Cheshire Monitoring Study
Collection Date:	29 Aug 01	Filter SN:	G6093492
Analysis Date:	12 Sept 01		

Element	Concentration		Units
Arsenic	9	U	µg/filter
Barium	95	U	µg/filter
Beryllium	0.6	U	µg/filter
Cadmium	0.6	U,J	µg/filter
Chromium	3.14	U	µg/filter
Cobalt	1.2	U	µg/filter
Copper	49.8		µg/filter
Iron	343		µg/filter
Lead	11.4		µg/filter
Magnesium	343	U	µg/filter
Manganese	97.9		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:	2001AH07S03	Station ID:	ADDAVILLE
Sample Batch Number:	20010070	Study:	Cheshire Monitoring Study
Collection Date:	29 Aug 01	Filter SN:	G6093493
Analysis Date:	12 Sept 01		

Element	Concentration		Units
Arsenic	9	U	µg/filter
Barium	95	U	µg/filter
Beryllium	0.6	U	µg/filter
Cadmium	0.631	J	µg/filter
Chromium	3.66		µg/filter
Cobalt	1.2	U	µg/filter
Copper	333		µg/filter
Iron	381		µg/filter
Lead	8.16		µg/filter
Magnesium	343	U	µg/filter
Manganese	45.5		µg/filter
Nickel	5.73	U	µg/filter
Selenium	18	U	µg/filter

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

Sample Number:	Filter Blank 1	Station ID:	None
Sample Batch Number:	20010070	Study:	Cheshire Monitoring Study
Collection Date:	None	Filter SN:	G6093015
Analysis Date:	12 Sept 01		

Element	Concentration		Units
Arsenic	9	U	µg/filter
Barium	168		µg/filter
Beryllium	0.6	U	µg/filter
Cadmium	0.6	U	µg/filter
Chromium	3.75		µg/filter
Cobalt	1.2	U	µg/filter
Copper	2.47		µg/filter
Iron	89.0		µg/filter
Lead	6	U	µg/filter
Magnesium	657		µg/filter
Manganese	1.34		µg/filter
Nickel	2.17		µg/filter
Selenium	18	U	µg/filter

Jum
14 Sept 01

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

Sample Number:	Filter Blank 2	Station ID:	None
Sample Batch Number:	20010070	Study:	Cheshire Monitoring Study
Collection Date:	None	Filter SN:	G6093014
Analysis Date:	12 Sept 01		

Element	Concentration		Units
Arsenic	9	U	µg/filter
Barium	168		µg/filter
Beryllium	0.6	U	µg/filter
Cadmium	0.6	U	µg/filter
Chromium	3.75		µg/filter
Cobalt	1.2	U	µg/filter
Copper	2.47		µg/filter
Iron	89.0		µg/filter
Lead	6	U	µg/filter
Magnesium	657		µg/filter
Manganese	1.34		µg/filter
Nickel	2.17		µg/filter
Selenium	18	U	µg/filter

JVM
14 Sept 01

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

Sample Number:	Filter Blank 3	Station ID:	None
Sample Batch Number:	20010070	Study:	Cheshire Monitoring Study
Collection Date:	None	Filter SN:	G6093013
Analysis Date:	12 Sept 01		

Element	Concentration		Units
Arsenic	9	U	µg/filter
Barium	168		µg/filter
Beryllium	0.6	U	µg/filter
Cadmium	0.6	U	µg/filter
Chromium	3.75		µg/filter
Cobalt	1.2	U	µg/filter
Copper	2.47		µg/filter
Iron	89.0		µg/filter
Lead	6	U	µg/filter
Magnesium	657		µg/filter
Manganese	1.34		µg/filter
Nickel	2.17		µg/filter
Selenium	18	U	µg/filter

Jun
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METALS SAMPLE PREPARATION RECORD

Prepared by: J V Moms
Digestion Method: Metals 006

Run Number: 1305
Date: 11 Sept 01

Vessel Number	Data Set Number	Sample Number	pH < 2? Y/N*	Sample Description (Color, Clarity, Texture, Artifacts, etc...) Before Prep.	After Prep.	Remarks
1		LRB	NA			
2		LFB				
3		Filterblank 1				G6093035
4		" " 2				G6093014
5		" " 3				G6093013
6		blank 3 spk				
7	20010070	2001AH07S01				
8		S01 Dup				G6093489
9		2001AH07D01				G6093491
10		2001AH07S02				G6093492
11		2001AH07S03				G6093493

* 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:

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

Sample ID	Date	Time	Aliquot Vol.	Diluted To Vol.
Calib Blank 1	09/12/01	11:02:37 AM		
Cal 1	09/12/01	11:07:07 AM		
Cal 2	09/12/01	11:11:29 AM		
Cal 3	09/12/01	11:15:21 AM		
Cal 4	09/12/01	11:19:13 AM		
Cal Ag/K	09/12/01	11:23:09 AM		
Cal 5	09/12/01	11:26:33 AM		
Hi Cal	09/12/01	11:30:31 AM		
wash	09/12/01	11:34:04 AM		
BLANK	09/12/01	11:39:00 AM		
LCM1	09/12/01	11:45:07 AM		
LCM2	09/12/01	11:50:42 AM		
Hi AQC	09/12/01	11:55:38 AM		
Sample018 wash	09/12/01	12:00:42 PM		
RLC	09/12/01	12:05:15 PM		
SIC CoV	09/12/01	12:09:44 PM		
SIC Ce	09/12/01	12:14:14 PM		
SIC Cr	09/12/01	12:18:40 PM		
SIC Fe	09/12/01	12:23:11 PM		
SIC Mn	09/12/01	12:27:47 PM		
SIC Mo	09/12/01	12:32:42 PM		
SIC Ni	09/12/01	12:37:39 PM		
SIC Ti	09/12/01	12:43:19 PM		
wash	09/12/01	12:48:16 PM		
BLANK	09/12/01	12:52:48 PM		
LCM1	09/12/01	12:57:14 PM		
LCM2	09/12/01	01:01:45 PM		
Hi AQC	09/12/01	01:06:13 PM		
wash	09/12/01	01:10:52 PM		
LRB	09/12/01	01:15:25 PM		
LFB	09/12/01	01:19:48 PM		
Filter Blank 1	09/12/01	01:24:17 PM		
Filter Blank 2	09/12/01	01:29:15 PM		
Filter Blank 3	09/12/01	01:34:10 PM		
Filter Blank 3 Spike	09/12/01	01:38:40 PM		
wash	09/12/01	01:43:12 PM		
BLANK	09/12/01	01:47:44 PM		
LCM1	09/12/01	01:52:10 PM		
LCM2	09/12/01	01:56:43 PM		
Hi AQC	09/12/01	02:01:11 PM		
wash	09/12/01	02:05:50 PM		
2001AH07S01	09/12/01	02:10:22 PM		
2001AH07S01 Dup	09/12/01	02:14:54 PM		
2001AH07D01	09/12/01	02:19:28 PM		
2001AH07S02	09/12/01	02:24:01 PM		
2001AH07S03	09/12/01	02:28:36 PM		
2001AH07S01	09/12/01	02:33:03 PM	10	20

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2001AH07S01 Dup	09/12/01	02:37:27 PM	10	20	— IS out of wheel tube loose
2001AH07S01 Dup	09/12/01	02:49:45 PM	10	20	
wash	09/12/01	02:54:10 PM			
BLANK	09/12/01	02:58:41 PM			
LCM1	09/12/01	03:03:07 PM			
LCM2	09/12/01	03:07:38 PM			
Hi AQC	09/12/01	03:12:06 PM			

Jom
14Sept01

Instrument Blank First

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

			MDL	
LCB	Ag 328.068	0.00013	0.00041	
	Ag 338.289	-0.00053	0.00051	out
	Al 308.215	-0.02673	0.02200	out
	Al 396.153	-0.01946	0.01600	out
	As 193.696	0.00119	0.00340	
	B 249.677	-0.00559	0.01200	
	Ba 455.403	-0.00019	0.00050	
	Be 313.042	0.00001	0.00015	
	Ca 315.887	-0.03275	0.01400	out
	Cd 226.502	-0.00002	0.00014	
	Co 228.616	-0.00009	0.00050	
	Cr 267.716	-0.00002	0.00082	
	Cu 327.393	-0.00085	0.00110	
	Fe 259.939	0.00559	0.00540	out
	Fe 273.955	0.00715	0.00850	
	K 766.490	0.30245	0.24000	out
	Li 670.784	-0.00012	0.00620	
	Mg 279.077	-0.01846	0.02700	
	Mg 280.271	-0.00100	0.00140	
	Mn 257.610	-0.00050	0.00050	out
	Na 589.592	-0.03103	0.12000	
	Ni 231.604	-0.00009	0.00040	
	Pb 220.353	0.00309	0.00220	out
	Sb 206.836	-0.00079	0.00120	
	Se 196.026	0.00280	0.00620	
	Sr 407.771	-0.00098	0.00020	out
	V 310.230	0.00406	0.00180	out
	Zn 213.857	-0.00100	0.01400	

JVM
14 Sept 01

Instrument Blank Second

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

			MDL	
LCB	Ag 328.068	0.00007	0.00041	
	Ag 338.289	0.00056	0.00051	out
	Al 308.215	-0.03019	0.02200	out
	Al 396.153	-0.02995	0.01600	out
	As 193.696	0.00159	0.00340	
	B 249.677	0.00298	0.01200	
	Ba 455.403	-0.00035	0.00050	
	Be 313.042	-0.00007	0.00015	
	Ca 315.887	-0.04901	0.01400	out
	Cd 226.502	-0.00001	0.00014	
	Co 228.616	-0.00025	0.00050	
	Cr 267.716	-0.00010	0.00082	
	Cu 327.393	-0.00185	0.00110	out
	Fe 259.939	-0.00235	0.00540	
	Fe 273.955	0.00185	0.00850	
	K 766.490	-0.23541	0.24000	
	Li 670.784	-0.00343	0.00620	
	Mg 279.077	-0.01415	0.02700	
	Mg 280.271	-0.01011	0.00140	out
	Mn 257.610	-0.00075	0.00050	out
	Na 589.592	-0.46581	0.12000	out
	Ni 231.604	0.00009	0.00040	
	Pb 220.353	-0.00042	0.00220	
	Sb 206.836	0.00136	0.00120	out
	Se 196.026	0.00338	0.00620	
	Sr 407.771	-0.00106	0.00020	out
	V 310.230	0.00011	0.00180	
	Zn 213.857	-0.00348	0.01400	

jvm
14 Sept 01

Instrument Blank Third

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

			MDL	
LCB	Ag 328.068	0.00040	0.00041	
	Ag 338.289	0.00054	0.00051	out
	Al 308.215	-0.04028	0.02200	out
	Al 396.153	-0.02253	0.01600	out
	As 193.696	0.00012	0.00340	
	B 249.677	0.01548	0.01200	out
	Ba 455.403	-0.00026	0.00050	
	Be 313.042	-0.00021	0.00015	out
	Ca 315.887	-0.04814	0.01400	out
	Cd 226.502	-0.00000	0.00014	
	Co 228.616	-0.00045	0.00050	
	Cr 267.716	-0.00002	0.00082	
	Cu 327.393	-0.00188	0.00110	out
	Fe 259.939	-0.00396	0.00540	
	Fe 273.955	-0.00132	0.00850	
	K 766.490	-0.04579	0.24000	
	Li 670.784	-0.00381	0.00620	
	Mg 279.077	-0.02475	0.02700	
	Mg 280.271	-0.00975	0.00140	out
	Mn 257.610	-0.00070	0.00050	out
	Na 589.592	-0.31253	0.12000	out
	Ni 231.604	0.00015	0.00040	
	Pb 220.353	-0.00041	0.00220	
	Sb 206.836	-0.00238	0.00120	out
	Se 196.026	0.00474	0.00620	
	Sr 407.771	-0.00097	0.00020	out
	V 310.230	-0.00130	0.00180	
	Zn 213.857	-0.00090	0.01400	

14 Sept 01

Instrument Blank Fourth

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

			MDL	
LCB	Ag 328.068	0.00008	0.00041	
	Ag 338.289	0.00032	0.00051	
	Al 308.215	-0.02877	0.02200	out
	Al 396.153	-0.02292	0.01600	out
	As 193.696	0.00205	0.00340	
	B 249.677	-0.01003	0.01200	
	Ba 455.403	-0.00016	0.00050	
	Be 313.042	0.00000	0.00015	
	Ca 315.887	-0.03656	0.01400	out
	Cd 226.502	-0.00009	0.00014	
	Co 228.616	-0.00045	0.00050	
	Cr 267.716	-0.00014	0.00082	
	Cu 327.393	-0.00150	0.00110	out
	Fe 259.939	-0.00419	0.00540	
	Fe 273.955	-0.00265	0.00850	
	K 766.490	-0.12251	0.24000	
	Li 670.784	-0.00102	0.00620	
	Mg 279.077	-0.02977	0.02700	out
	Mg 280.271	-0.01025	0.00140	out
	Mn 257.610	-0.00069	0.00050	out
	Na 589.592	-0.37622	0.12000	out
	Ni 231.604	0.00008	0.00040	
	Pb 220.353	-0.00162	0.00220	
	Sb 206.836	0.00007	0.00120	
	Se 196.026	0.00031	0.00620	
	Sr 407.771	-0.00086	0.00020	out
	V 310.230	-0.00364	0.00180	out
	Zn 213.857	-0.00316	0.01400	

[illegible]

Instrument QC First

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

LCM1	Al 396.153	0.93960	1.00000	93.96%
	As 193.696	2.04085	2.00000	102.04%
	B 249.677	0.93087	1.00000	93.09%
	Ba 455.403	1.01479	1.00000	101.48%
	Be 313.042	0.99317	1.00000	99.32%
	Cd 226.502	0.98195	1.00000	98.20%
	Co 228.616	0.98318	1.00000	98.32%
	Cr 267.716	0.98397	1.00000	98.40%
	Cu 327.393	0.96869	1.00000	96.87%
	Fe 259.939	1.00424	1.00000	100.42%
	Li 670.784	0.98739	1.00000	98.74%
	Mg 280.271	1.00607	1.00000	100.61%
	Mn 257.610	0.99879	1.00000	99.88%
	Ni 231.604	0.98543	1.00000	98.54%
	Pb 220.353	1.99070	2.00000	99.53%
	Sb 206.836	1.85710	2.00000	92.86%
	Se 196.026	1.07362	1.00000	107.36%
	Sr 407.771	0.97970	1.00000	97.97%
	V 310.230	0.98699	1.00000	98.70%
	Zn 213.857	0.94987	1.00000	94.99%
LCM2	Ag 328.068	0.04906	0.05000	98.13%
	Ag 338.289	0.04992	0.05000	99.84%
Hi AQC	Al 308.215	97.332	100.000	97.33%
	Ca 315.887	103.658	100.000	103.66%
	Fe 273.955	104.218	100.000	104.22%
	K 766.490	103.245	100.000	103.24%
	Mg 279.077	59.525	60.000	99.21%
	Na 589.592	97.328	100.000	97.33%

lvm
14 Sept 01

Instrument QC Second

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

LCM1	Al 396.153	0.93217	1.00000	93.22%
	As 193.696	2.05437	2.00000	102.72%
	B 249.677	0.91682	1.00000	91.68%
	Ba 455.403	1.02025	1.00000	102.03%
	Be 313.042	0.99018	1.00000	99.02%
	Cd 226.502	0.99468	1.00000	99.47%
	Co 228.616	0.98952	1.00000	98.95%
	Cr 267.716	0.99021	1.00000	99.02%
	Cu 327.393	0.97363	1.00000	97.36%
	Fe 259.939	0.99021	1.00000	99.02%
	Li 670.784	0.98709	1.00000	98.71%
	Mg 280.271	0.99801	1.00000	99.80%
	Mn 257.610	0.98953	1.00000	98.95%
	Ni 231.604	1.00526	1.00000	100.53%
	Pb 220.353	1.98649	2.00000	99.32%
	Sb 206.836	1.86915	2.00000	93.46%
	Se 196.026	1.08024	1.00000	108.02%
	Sr 407.771	0.97311	1.00000	97.31%
	V 310.230	0.99318	1.00000	99.32%
	Zn 213.857	0.94359	1.00000	94.36%
LCM2	Ag 328.068	0.04915	0.05000	98.30%
	Ag 338.289	0.04929	0.05000	98.58%
Hi AQC	Al 308.215	96.383	100.000	96.38%
	Ca 315.887	102.674	100.000	102.67%
	Fe 273.955	103.792	100.000	103.79%
	K 766.490	102.371	100.000	102.37%
	Mg 279.077	58.959	60.000	98.27%
	Na 589.592	97.306	100.000	97.31%

JM
14 Sept 01

Instrument QC Third

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

LCM1	Al 396.153	0.94001	1.00000	94.00%
	As 193.696	2.06929	2.00000	103.46%
	B 249.677	0.93443	1.00000	93.44%
	Ba 455.403	1.02037	1.00000	102.04%
	Be 313.042	0.99215	1.00000	99.22%
	Cd 226.502	0.99368	1.00000	99.37%
	Co 228.616	0.98957	1.00000	98.96%
	Cr 267.716	0.98669	1.00000	98.67%
	Cu 327.393	0.97327	1.00000	97.33%
	Fe 259.939	0.99727	1.00000	99.73%
	Li 670.784	0.98858	1.00000	98.86%
	Mg 280.271	0.99969	1.00000	99.97%
	Mn 257.610	0.99493	1.00000	99.49%
	Ni 231.604	1.01216	1.00000	101.22%
	Pb 220.353	1.97871	2.00000	98.94%
	Sb 206.836	1.87186	2.00000	93.59%
	Se 196.026	1.08885	1.00000	108.89%
	Sr 407.771	0.96614	1.00000	96.61%
	V 310.230	0.98424	1.00000	98.42%
	Zn 213.857	0.93910	1.00000	93.91%
LCM2	Ag 328.068	0.04913	0.05000	98.27%
	Ag 338.289	0.04963	0.05000	99.26%
Hi AQC	Al 308.215	98.150	100.000	98.15%
	Ca 315.887	103.702	100.000	103.70%
	Fe 273.955	105.191	100.000	105.19%
	K 766.490	103.822	100.000	103.82%
	Mg 279.077	59.701	60.000	99.50%
	Na 589.592	97.848	100.000	97.85%

JVM
14 Sept 01

Instrument QC Fourth

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

LCM1	Al 396.153	0.93223	1.00000	93.22%
	As 193.696	2.06259	2.00000	103.13%
	B 249.677	0.94730	1.00000	94.73%
	Ba 455.403	1.02929	1.00000	102.93%
	Be 313.042	1.01625	1.00000	101.62%
	Cd 226.502	0.99854	1.00000	99.85%
	Co 228.616	0.98677	1.00000	98.68%
	Cr 267.716	0.98740	1.00000	98.74%
	Cu 327.393	0.96481	1.00000	96.48%
	Fe 259.939	1.00486	1.00000	100.49%
	Li 670.784	1.00386	1.00000	100.39%
	Mg 280.271	1.01928	1.00000	101.93%
	Mn 257.610	1.01392	1.00000	101.39%
	Ni 231.604	1.01808	1.00000	101.81%
	Pb 220.353	1.97350	2.00000	98.67%
	Sb 206.836	1.87841	2.00000	93.92%
	Se 196.026	1.09251	1.00000	109.25%
	Sr 407.771	0.97319	1.00000	97.32%
	V 310.230	0.97883	1.00000	97.88%
	Zn 213.857	0.96191	1.00000	96.19%
LCM2	Ag 328.068	0.05019	0.05000	100.38%
	Ag 338.289	0.05058	0.05000	101.16%
Hi AQC	Al 308.215	97.915	100.000	97.91%
	Ca 315.887	104.811	100.000	104.81%
	Fe 273.955	106.440	100.000	106.44%
	K 766.490	103.321	100.000	103.32%
	Mg 279.077	60.078	60.000	100.13%
	Na 589.592	98.726	100.000	98.73%

JSM
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Report Level Check

Sample Batch Number: 20010070
Anal ysisDate: 12 Sept 01
Results Data Set: 091201.mdb

RLC	Ag 328.068	0.00208	0.00200	104.05%
	Ag 338.289	0.00232	0.00200	115.76%
	Al 308.215	-0.01794	0.06000	-29.89%
	Al 396.153	-0.00720	0.06000	-12.01%
	As 193.696	0.01681	0.01500	112.03%
	B 249.677	0.04666	0.04000	116.65%
	Ba 455.403	0.00204	0.00200	101.86%
	Be 313.042	0.00092	0.00100	91.77%
	Ca 315.887	-0.04145	0.03000	-138.15%
	Cd 226.502	0.00103	0.00100	102.64%
	Co 228.616	0.00189	0.00200	94.47%
	Cr 267.716	0.00294	0.00300	98.04%
	Cu 327.393	0.00306	0.00400	76.46%
	Fe 259.939	0.02224	0.02000	111.22%
	Fe 273.955	0.02740	0.02000	137.02%
	K 766.490	0.96426	0.80000	120.53%
	Li 670.784	0.02617	0.02500	104.67%
	Mg 279.077	-0.01959	0.00500	-391.82%
	Mg 280.271	0.00104	0.00500	20.77%
	Mn 257.610	0.00146	0.00200	72.96%
	Na 589.592	0.15688	0.40000	39.22%
	Ni 231.604	0.00231	0.00200	115.73%
	Pb 220.353	0.01044	0.01000	104.40%
	Sb 206.836	0.00435	0.00400	108.63%
	Se 196.026	0.03699	0.03000	123.31%
	Sr 407.771	-0.00187	0.00100	-186.92%
	V 310.230	0.00866	0.00600	144.40%
	Zn 213.857	0.05209	0.04500	115.76%

JVM
14 Septon

Digestion Blank

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

			MDL	
LRB	Ag 328.068	0.00023	0.00041	
	Ag 338.289	-0.00016	0.00051	
	Al 308.215	-0.08341	0.02200	out
	Al 396.153	-0.07686	0.01600	out
	As 193.696	-0.00433	0.00340	out
	B 249.677	-0.00319	0.01200	
	Ba 455.403	-0.00002	0.00050	
	Be 313.042	-0.00010	0.00015	
	Ca 315.887	-0.07544	0.01400	out
	Cd 226.502	-0.00023	0.00014	out
	Co 228.616	-0.00004	0.00050	
	Cr 267.716	0.00006	0.00082	
	Cu 327.393	-0.00100	0.00110	
	Fe 259.939	0.00627	0.00540	out
	Fe 273.955	0.00684	0.00850	
	K 766.490	-0.21198	0.24000	
	Li 670.784	-0.00606	0.00620	
	Mg 279.077	-0.03737	0.02700	out
	Mg 280.271	-0.01122	0.00140	out
	Mn 257.610	-0.00082	0.00050	out
	Na 589.592	-0.43415	0.12000	out
	Ni 231.604	0.00036	0.00040	
	Pb 220.353	-0.00151	0.00220	
	Sb 206.836	-0.00027	0.00120	
	Se 196.026	0.00295	0.00620	
	Sr 407.771	-0.00278	0.00020	out
	V 310.230	-0.00075	0.00180	
	Zn 213.857	0.00253	0.01400	

JVM
14 Sept 01

Spiked Blank

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

LFB	Ag 328.068	0.02572	0.02500	101.98%
	Ag 338.289	0.02595	0.02500	104.47%
	Al 308.215	0.94898	1.00000	103.24%
	Al 396.153	1.04629	1.00000	112.31%
	As 193.696	0.21370	0.20000	109.01%
	B 249.677	0.89884	1.00000	90.20%
	Ba 455.403	0.20734	0.20000	103.68%
	Be 313.042	0.01010	0.01000	101.98%
	Ca 315.887	54.92066	50.00000	109.99%
	Cd 226.502	0.04865	0.05000	97.76%
	Co 228.616	0.09601	0.10000	96.05%
	Cr 267.716	0.09836	0.10000	98.30%
	Cu 327.393	0.09605	0.10000	97.05%
	Fe 259.939	1.01822	1.00000	101.19%
	Fe 273.955	1.13034	1.00000	112.35%
	K 766.490	26.97784	25.00000	108.76%
	Li 670.784	0.09338	0.10000	99.44%
	Mg 279.077	20.63874	20.00000	103.38%
	Mg 280.271	19.76899	20.00000	98.90%
	Mn 257.610	0.19731	0.20000	99.07%
	Na 589.592	50.08954	50.00000	101.05%
	Ni 231.604	0.19540	0.20000	97.52%
	Pb 220.353	0.49522	0.50000	99.35%
	Sb 206.836	0.51434	0.50000	102.92%
	Se 196.026	0.50947	0.50000	101.30%
	Sr 407.771	0.97467	1.00000	97.74%
	V 310.230	0.10041	0.10000	101.15%
	Zn 213.857	0.98708	1.00000	98.46%

14 Sept 01

SPIKE

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

	Element	Units	Sample	Spike	Spike Added	% Recovery
filter blank 3	Ag 328.068	mg/L	0.00028	0.02569	0.02500	101.63%
	Ag 338.289	mg/L	-0.00016	0.02558	0.02500	102.96%
	Al 308.215	mg/L	0.98112	1.94503	1.00000	96.39%
	Al 396.153	mg/L	1.01376	2.00528	1.00000	99.15%
	As 193.696	mg/L	0.00035	0.21028	0.20000	104.97%
	B 249.677	mg/L	0.50519	1.41949	1.00000	91.43%
	Ba 455.403	mg/L	0.26158	0.45022	0.20000	94.32%
	Be 313.042	mg/L	-0.00039	0.00996	0.01000	103.55%
	Ca 315.887	mg/L	3.36213	56.31047	50.00000	105.90%
	Cd 226.502	mg/L	-0.00013	0.04775	0.05000	95.77%
	Co 228.616	mg/L	0.00067	0.09307	0.10000	92.40%
	Cr 267.716	mg/L	0.00603	0.10245	0.10000	96.43%
	Cu 327.393	mg/L	-0.00011	0.09499	0.10000	95.10%
	Fe 259.939	mg/L	0.11531	1.09687	1.00000	98.16%
	Fe 273.955	mg/L	0.12922	1.22025	1.00000	109.10%
	K 766.490	mg/L	2.05579	28.36722	25.00000	105.25%
	Li 670.784	mg/L	-0.00445	0.09296	0.10000	97.41%
	Mg 279.077	mg/L	0.95323	21.09086	20.00000	100.69%
	Mg 280.271	mg/L	0.93121	20.50691	20.00000	97.88%
	Mn 257.610	mg/L	0.00062	0.19381	0.20000	96.60%
	Na 589.592	mg/L	49.06773	98.22173	50.00000	98.31%
	Ni 231.604	mg/L	0.00093	0.19268	0.20000	95.87%
	Pb 220.353	mg/L	-0.00074	0.48541	0.50000	97.23%
	Sb 206.836	mg/L	-0.00181	0.44313	0.50000	88.99%
	Se 196.026	mg/L	0.00787	0.50637	0.50000	99.70%
	Sr 407.771	mg/L	-0.00079	0.96899	1.00000	96.98%
	V 310.230	mg/L	-0.00003	0.09838	0.10000	98.40%
	Zn 213.857	mg/L	0.01066	0.97561	1.00000	96.49%

14 Sep 01

DUPLICATE

Sample Number: 2001AH07S01
Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

Element	Units	Sample	Duplicate	Difference	Reporting Limit	RPD
As 193.696	µg/filter	2.09	3.29	-1.20	9.000	-44.53%
Ba 455.403	µg/filter	163.55	161.19	2.36	1.200	1.45%
Be 313.042	µg/filter	-0.02	0.06	-0.08	0.600	-365.79%
Cd 226.50	µg/filter	0.55	0.53	0.01	0.600	2.56%
Cr 267.716	µg/filter	5.48	5.61	-0.13	1.800	-2.41%
Co 228.61	µg/filter	0.35	0.48	-0.13	1.200	-31.85%
Cu 327.39	µg/filter	1410.11	1443.58	-33.48	2.400	-2.35%
Fe 259.939	µg/filter	487.81	478.73	9.08	12.000	1.88%
Pb 220.353	µg/filter	15.63	15.97	-0.34	6.000	-2.14%
Mg 280.27	µg/filter	733.10	720.71	12.39	3.000	1.71%
Mn 257.61	µg/filter	115.18	115.41	-0.24	1.200	-0.20%
Ni 231.604	µg/filter	2.32	2.69	-0.37	1.200	-14.66%
Se 196.026	µg/filter	15.91	14.32	1.59	18.000	10.52%

14 Sep 01

SIC Solutions

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

			RL	
SIC Co V	Ag 328.068	0.00148	0.00200	
	Ag 338.289	-0.00048	0.00200	
	Al 308.215	0.03401	0.06000	
	Al 396.153	0.06991	0.06000	out
	As 193.696	-0.00177	0.01500	
	B 249.677	0.00393	0.04000	
	Ba 455.403	0.00015	0.00200	
	Be 313.042	0.00050	0.00100	
	Ca 315.887	0.02313	0.03000	
	Cd 226.502	-0.00003	0.00100	
	Co 228.616	9.87022	0.00200	
	Cr 267.716	-0.00222	0.00300	
	Cu 327.393	0.00175	0.00400	
	Fe 259.939	0.13647	0.02000	out
	Fe 273.955	0.13938	0.02000	out
	K 766.490	0.06781	0.80000	
	Li 670.784	-0.00299	0.02500	
	Mg 279.077	0.08705	0.00500	out
	Mg 280.271	0.10859	0.00500	out
	Mn 257.610	-0.00036	0.00200	
	Na 589.592	-0.20016	0.40000	
	Ni 231.604	0.00109	0.00200	
	Pb 220.353	-0.00133	0.01000	
	Sb 206.836	-0.00649	0.00400	out
	Se 196.026	0.00077	0.03000	
	Sr 407.771	-0.00296	0.00100	out
	V 310.230	9.91688	0.00600	
	Zn 213.857	0.00873	0.04500	

lvm
14 Sept 01

SI C Solutions

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

			RL	
SI C Ce	Ag 328.068	0.00023	0.00200	
	Ag 338.289	-0.00108	0.00200	
	Al 308.215	-0.07644	0.06000	out
	Al 396.153	0.19786	0.06000	out
	As 193.696	0.00064	0.01500	
	B 249.677	-0.00059	0.04000	
	Ba 455.403	-0.00003	0.00200	
	Be 313.042	-0.00015	0.00100	
	Ca 315.887	-0.08668	0.03000	out
	Cd 226.502	-0.00013	0.00100	
	Co 228.616	0.00067	0.00200	
	Cr 267.716	0.00026	0.00300	
	Cu 327.393	-0.00135	0.00400	
	Fe 259.939	0.00182	0.02000	
	Fe 273.955	-0.00061	0.02000	
	K 766.490	-0.05677	0.80000	
	Li 670.784	0.00020	0.02500	
	Mg 279.077	-0.04321	0.00500	out
	Mg 280.271	-0.01425	0.00500	out
	Mn 257.610	-0.00042	0.00200	
	Na 589.592	-0.32365	0.40000	
	Ni 231.604	0.00044	0.00200	
	Pb 220.353	-0.00107	0.01000	
	Sb 206.836	-0.00114	0.00400	
	Se 196.026	-0.00121	0.03000	
	Sr 407.771	-0.00388	0.00100	out
	V 310.230	0.00137	0.00600	
	Zn 213.857	0.00412	0.04500	

Ivm
12 Sept 01

SIC Solutions

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

			RL	
SIC Cr	Ag 328.068	0.00032	0.00200	
	Ag 338.289	0.00205	0.00200	out
	Al 308.215	-0.07549	0.06000	out
	Al 396.153	-0.05619	0.06000	
	As 193.696	-0.00059	0.01500	
	B 249.677	-0.00696	0.04000	
	Ba 455.403	-0.00018	0.00200	
	Be 313.042	-0.00007	0.00100	
	Ca 315.887	-0.12655	0.03000	out
	Cd 226.502	-0.00004	0.00100	
	Co 228.616	-0.00321	0.00200	out
	Cr 267.716	9.99971	0.00300	
	Cu 327.393	-0.00153	0.00400	
	Fe 259.939	0.00590	0.02000	
	Fe 273.955	0.01167	0.02000	
	K 766.490	0.04124	0.80000	
	Li 670.784	-0.00039	0.02500	
	Mg 279.077	-0.02055	0.00500	out
	Mg 280.271	-0.01710	0.00500	out
	Mn 257.610	-0.00046	0.00200	
	Na 589.592	-0.33015	0.40000	
	Ni 231.604	0.00064	0.00200	
	Pb 220.353	-0.00092	0.01000	
	Sb 206.836	0.04657	0.00400	out
	Se 196.026	0.00660	0.03000	
	Sr 407.771	-0.00277	0.00100	out
	V 310.230	0.00303	0.00600	
	Zn 213.857	-0.00077	0.04500	

Low
14 Sept 01

SI C Solutions

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

			RL	
SI C Fe	Ag 328.068	-0.00419	0.00200	out
	Ag 338.289	0.00052	0.00200	
	Al 308.215	-0.05586	0.06000	
	Al 396.153	-0.03469	0.06000	
	As 193.696	-0.04082	0.01500	out
	B 249.677	-0.01656	0.04000	
	Ba 455.403	-0.00009	0.00200	
	Be 313.042	-0.00016	0.00100	
	Ca 315.887	-0.08188	0.03000	out
	Cd 226.502	0.00837	0.00100	out
	Co 228.616	0.00217	0.00200	out
	Cr 267.716	-0.00083	0.00300	
	Cu 327.393	-0.00310	0.00400	
	Fe 259.939	285.76804	0.02000	
	Fe 273.955	322.50018	0.02000	
	K 766.490	0.07988	0.80000	
	Li 670.784	-0.00157	0.02500	
	Mg 279.077	0.03524	0.00500	out
	Mg 280.271	-0.00711	0.00500	out
	Mn 257.610	0.01078	0.00200	out
	Na 589.592	-0.33761	0.40000	
	Ni 231.604	0.00419	0.00200	out
	Pb 220.353	0.00919	0.01000	
	Sb 206.836	0.00719	0.00400	out
	Se 196.026	-0.12336	0.03000	out
	Sr 407.771	-0.00304	0.00100	out
	V 310.230	0.00485	0.00600	
	Zn 213.857	0.00106	0.04500	

Ivan
14 Sept 01

SIC Solutions

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

			RL	
SIC Mn	Ag 328.068	0.00031	0.00200	
	Ag 338.289	-0.00026	0.00200	
	Al 308.215	-0.08612	0.06000	out
	Al 396.153	-0.05878	0.06000	
	As 193.696	0.00099	0.01500	
	B 249.677	-0.00285	0.04000	
	Ba 455.403	-0.00027	0.00200	
	Be 313.042	-0.00042	0.00100	
	Ca 315.887	-0.08971	0.03000	out
	Cd 226.502	0.00001	0.00100	
	Co 228.616	-0.00011	0.00200	
	Cr 267.716	0.00047	0.00300	
	Cu 327.393	-0.00087	0.00400	
	Fe 259.939	0.03437	0.02000	out
	Fe 273.955	0.04010	0.02000	out
	K 766.490	0.00382	0.80000	
	Li 670.784	-0.00040	0.02500	
	Mg 279.077	-0.01124	0.00500	out
	Mg 280.271	-0.01152	0.00500	out
	Mn 257.610	12.25287	0.00200	
	Na 589.592	-0.34214	0.40000	
	Ni 231.604	0.00028	0.00200	
	Pb 220.353	0.00082	0.01000	
	Sb 206.836	-0.00121	0.00400	
	Se 196.026	0.00614	0.03000	
	Sr 407.771	-0.00269	0.00100	out
	V 310.230	0.00296	0.00600	
	Zn 213.857	0.00267	0.04500	

Ivm 14 Sept 01

SIC Solutions

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

			RL	
SIC Mo	Ag 328.068	-0.00040	0.00200	
	Ag 338.289	-0.00052	0.00200	
	Al 308.215	-0.01785	0.06000	
	Al 396.153	-0.04425	0.06000	
	As 193.696	-0.00049	0.01500	
	B 249.677	-0.00381	0.04000	
	Ba 455.403	-0.00015	0.00200	
	Be 313.042	-0.00014	0.00100	
	Ca 315.887	-0.11325	0.03000	out
	Cd 226.502	-0.00001	0.00100	
	Co 228.616	0.00375	0.00200	out
	Cr 267.716	0.00033	0.00300	
	Cu 327.393	-0.00038	0.00400	
	Fe 259.939	0.01064	0.02000	
	Fe 273.955	0.01312	0.02000	
	K 766.490	-0.09394	0.80000	
	Li 670.784	-0.00252	0.02500	
	Mg 279.077	-0.03592	0.00500	out
	Mg 280.271	-0.01816	0.00500	out
	Mn 257.610	0.00124	0.00200	
	Na 589.592	-0.34395	0.40000	
	Ni 231.604	-0.00140	0.00200	
	Pb 220.353	-0.00419	0.01000	
	Sb 206.836	0.01263	0.00400	out
	Se 196.026	0.00480	0.03000	
	Sr 407.771	-0.00271	0.00100	out
	V 310.230	0.00008	0.00600	
	Zn 213.857	-0.00063	0.04500	

JVM
14 Sept 01

SIC Solutions

Sample Batch Number: 20010070
Analysis Date: 12 Sept 01
Results Data Set: 091201.mdb

			RL	
SIC Ni	Ag 328.068	0.00014	0.00200	
	Ag 338.289	0.00025	0.00200	
	Al 308.215	-0.05659	0.06000	
	Al 396.153	-0.05705	0.06000	
	As 193.696	0.00163	0.01500	
	B 249.677	-0.00321	0.04000	
	Ba 455.403	-0.00030	0.00200	
	Be 313.042	-0.00006	0.00100	
	Ca 315.887	-0.12233	0.03000	out
	Cd 226.502	0.00463	0.00100	out
	Co 228.616	-0.00087	0.00200	
	Cr 267.716	0.00005	0.00300	
	Cu 327.393	0.00021	0.00400	
	Fe 259.939	0.00185	0.02000	
	Fe 273.955	0.00259	0.02000	
	K 766.490	-0.20470	0.80000	
	Li 670.784	-0.00332	0.02500	
	Mg 279.077	-0.03255	0.00500	out
	Mg 280.271	-0.01885	0.00500	out
	Mn 257.610	-0.00031	0.00200	
	Na 589.592	-0.39345	0.40000	
	Ni 231.604	9.82028	0.00200	
	Pb 220.353	-0.00137	0.01000	
	Sb 206.836	-0.00218	0.00400	
	Se 196.026	0.00104	0.03000	
	Sr 407.771	-0.00274	0.00100	out
	V 310.230	0.00087	0.00600	
	Zn 213.857	-0.00248	0.04500	

JM
14/Sep 01

SIC Solutions

Sample Batch Number: 20010070
Anal ysisDate: 12 Sept 01
Results Data Set: 091201.mdb

			RL	
SIC Ti	Ag 328.068	0.00085	0.00200	
	Ag 338.289	0.00066	0.00200	
	Al 308.215	-0.04603	0.06000	
	Al 396.153	-0.05799	0.06000	
	As 193.696	0.00004	0.01500	
	B 249.677	0.00239	0.04000	
	Ba 455.403	-0.00028	0.00200	
	Be 313.042	0.00017	0.00100	
	Ca 315.887	-0.11594	0.03000	out
	Cd 226.502	0.00002	0.00100	
	Co 228.616	0.00825	0.00200	out
	Cr 267.716	0.00103	0.00300	
	Cu 327.393	-0.00056	0.00400	
	Fe 259.939	0.00781	0.02000	
	Fe 273.955	0.00697	0.02000	
	K 766.490	-0.15567	0.80000	
	Li 670.784	-0.00229	0.02500	
	Mg 279.077	-0.03927	0.00500	out
	Mg 280.271	-0.01893	0.00500	out
	Mn 257.610	-0.00028	0.00200	
	Na 589.592	-0.43343	0.40000	out
	Ni 231.604	0.00100	0.00200	
	Pb 220.353	-0.00117	0.01000	
	Sb 206.836	-0.00269	0.00400	
	Se 196.026	0.00102	0.03000	
	Sr 407.771	-0.00276	0.00100	out
	V 310.230	0.00144	0.00600	
	Zn 213.857	0.00015	0.04500	

JVM 12Sept01

Analysis Begun

Start Time: 9/12/01 11:00:54 AM
Logged In Analyst: JVMORRIS
Spectrometer Model: Optima 3300 DV

Plasma On Time: 9/12/01 10:02:56 AM
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: D:\JVMORRIS\Sample Information\091201.sif
Results Data Set: 091201
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: 10/5/00 10:18:26 AM
MSF File: 050300.msf

9/12/01 11:02:35 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: 9/12/01 11:02:37 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	131019.5	418.57	0.32%		
Y 360.073	3105408.0	21053.24	0.68%		
Ag 328.068†	85.2	35.22	41.32%	[0.00]	mg/L
Ag 338.289†	-148.6	34.99	23.55%	[0.00]	mg/L
Al 308.215†	-10.7	1.04	9.75%	[0.00]	mg/L
Al 394.401†	40.4	0.53	1.31%	[0.00]	mg/L
Al 396.153†	180.9	1.68	0.93%	[0.00]	mg/L
As 188.979†	0.9	0.69	81.03%	[0.00]	mg/L
As 193.696†	-13.8	1.22	8.84%	[0.00]	mg/L
As 197.197†	-0.3	0.75	217.85%	[0.00]	mg/L
B 208.889†	21.0	0.47	2.25%	[0.00]	mg/L
B 249.677†	-0.8	3.52	454.86%	[0.00]	mg/L
B 249.772†	7.2	0.90	12.41%	[0.00]	mg/L
Ba 233.527†	0.2	0.82	382.57%	[0.00]	mg/L
Ba 455.403†	103.7	1.92	1.85%	[0.00]	mg/L
Ba 493.408†	-12.1	59.62	491.08%	[0.00]	mg/L
Be 234.861†	-243.1	14.58	6.00%	[0.00]	mg/L
Be 313.042†	-135.0	0.83	0.62%	[0.00]	mg/L
Be 313.107†	-135.0	0.83	0.62%	[0.00]	mg/L
Ca 315.887†	217.3	6.16	2.83%	[0.00]	mg/L
Ca 317.933†	383.5	0.92	0.24%	[0.00]	mg/L
Cd 214.440†	0.0	0.00	0.00%	[0.00]	mg/L
Cd 226.502†	-18.0	0.83	4.62%	[0.00]	mg/L
Cd 228.802†	1.4	0.09	6.70%	[0.00]	mg/L
Ce 413.380†	-143.3	4.87	3.40%	[0.00]	mg/L
Ce 413.764†	-32.6	8.69	26.65%	[0.00]	mg/L
Ce 418.660†	-253.3	8.66	3.42%	[0.00]	mg/L
Co 228.616†	155.3	5.39	3.47%	[0.00]	mg/L
Co 230.786†	0.2	0.48	296.73%	[0.00]	mg/L
Co 238.892†	0.3	0.47	148.50%	[0.00]	mg/L
Cr 205.560†	0.1	0.33	221.84%	[0.00]	mg/L
Cr 267.716†	-18.4	4.71	25.68%	[0.00]	mg/L
Cr 283.563†	-1.2	0.20	16.36%	[0.00]	mg/L
Cu 224.700†	-1.3	0.64	50.63%	[0.00]	mg/L
Cu 324.752†	33.5	1.97	5.87%	[0.00]	mg/L
Cu 327.393†	6.3	27.63	438.97%	[0.00]	mg/L
Fe 238.204†	4.5	0.47	10.43%	[0.00]	mg/L

Fe 239.562†	3.3	0.24	7.24%	[0.00]	mg/L
Fe 259.939†	7.2	0.27	3.78%	[0.00]	mg/L
Fe 273.955†	1.4	0.37	27.58%	[0.00]	mg/L
K 766.490†	194.8	8.42	4.32%	[0.00]	mg/L
Li 610.362†	-1590.6	29.49	1.85%	[0.00]	mg/L
Li 670.784†	1063.2	109.50	10.30%	[0.00]	mg/L
Mg 279.077†	32.2	2.02	6.27%	[0.00]	mg/L
Mg 280.271†	1082.4	5.67	0.52%	[0.00]	mg/L
Mg 285.213†	24.3	0.88	3.60%	[0.00]	mg/L
Mn 257.610†	10.9	0.62	5.73%	[0.00]	mg/L
Mn 259.372†	2.8	3.32	117.38%	[0.00]	mg/L
Mn 260.568†	6.4	1.39	21.81%	[0.00]	mg/L
Mo 202.031†	0.6	0.46	74.15%	[0.00]	mg/L
Mo 203.845†	1.5	1.56	106.43%	[0.00]	mg/L
Mo 204.597†	-20.9	2.90	13.87%	[0.00]	mg/L
Na 588.995†	-657.9	59.74	9.08%	[0.00]	mg/L
Na 589.592†	2731.6	60.67	2.22%	[0.00]	mg/L
Ni 221.648†	-0.1	0.34	394.55%	[0.00]	mg/L
Ni 231.604†	-15.8	1.30	8.21%	[0.00]	mg/L
Ni 232.003†	0.1	0.31	392.70%	[0.00]	mg/L
Pb 217.000†	-1.6	0.45	28.18%	[0.00]	mg/L
Pb 220.353†	6.6	2.64	40.09%	[0.00]	mg/L
Sb 206.836†	-11.6	1.80	15.48%	[0.00]	mg/L
Sb 217.582†	0.2	0.25	120.73%	[0.00]	mg/L
Se 196.026†	-11.2	1.96	17.39%	[0.00]	mg/L
Se 203.985†	-67.1	0.79	1.18%	[0.00]	mg/L
Sn 189.927†	-1.1	0.65	61.75%	[0.00]	mg/L
Sn 235.485†	0.3	2.06	691.70%	[0.00]	mg/L
Sr 407.771†	195.9	7.65	3.91%	[0.00]	mg/L
Sr 421.552†	798.9	12.78	1.60%	[0.00]	mg/L
Sr 460.733†	-322.3	95.07	29.50%	[0.00]	mg/L
Ti 334.940†	4.4	2.28	52.06%	[0.00]	mg/L
Ti 336.121†	-114.0	0.41	0.36%	[0.00]	mg/L
Ti 337.279†	23.0	1.51	6.59%	[0.00]	mg/L
Tl 190.801†	-3.7	1.46	40.03%	[0.00]	mg/L
Tl 276.787†	46.6	6.19	13.26%	[0.00]	mg/L
Tl 351.924†	0.0	0.00	0.00%	[0.00]	mg/L
V 290.880†	21.2	1.61	7.57%	[0.00]	mg/L
V 309.310†	1.5	2.71	182.41%	[0.00]	mg/L
V 310.230†	2528.0	47.38	1.87%	[0.00]	mg/L
Zn 202.548†	2.4	0.74	30.54%	[0.00]	mg/L
Zn 206.200†	-2.7	0.07	2.56%	[0.00]	mg/L
Zn 213.857†	5.2	1.59	30.86%	[0.00]	mg/L

Sequence No.: 3 **Autosampler Location: 10**
Sample ID: Cal 1 **Date Collected: 9/12/01 11:07:07 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	128892.8	519.86	0.40%		
Y 360.073	3130677.3	33129.72	1.06%		
As 188.979†	25.6	0.97	3.81%	[10]	mg/L
As 193.696†	6365.7	28.21	0.44%	[10]	mg/L
As 197.197†	20.5	0.12	0.59%	[10]	mg/L
B 208.889†	26.2	1.22	4.66%	[1]	mg/L
B 249.677†	222.0	0.12	0.05%	[1]	mg/L
B 249.772†	471.0	5.35	1.14%	[1]	mg/L
Ba 233.527†	596.5	3.49	0.59%	[1]	mg/L
Ba 455.403†	56275.1	136.82	0.24%	[1]	mg/L
Ba 493.408†	104918.2	410.61	0.39%	[1]	mg/L
Ca 317.933†	9003.1	39.03	0.43%	[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†	61594.0	1116.37	1.81%	[2]	mg/L

Cd 228.802†	1111.9	2.71	0.24%	[2]	mg/L
Cu 224.700†	163.8	1.35	0.83%	[2]	mg/L
Cu 324.752†	7068.8	10.94	0.15%	[2]	mg/L
Cu 327.393†	110630.8	2182.48	1.97%	[2]	mg/L
Mn 257.610†	9758.8	33.73	0.35%	[2]	mg/L
Mn 259.372†	15230.7	61.62	0.40%	[2]	mg/L
Mn 260.568†	7585.4	24.18	0.32%	[2]	mg/L
Sb 206.836†	8723.3	45.50	0.52%	[5]	mg/L
Sb 217.582†	28.3	1.37	4.85%	[5]	mg/L
Se 196.026†	3969.1	17.75	0.45%	[5]	mg/L
Se 203.985†	2311.3	12.03	0.52%	[5]	mg/L
Sr 407.771†	103403.9	444.76	0.43%	[1]	mg/L
Sr 421.552†	155176.2	586.50	0.38%	[1]	mg/L
Sr 460.733†	6915.7	31.81	0.46%	[1]	mg/L

Sequence No.: 4 **Autosampler Location: 11**
Sample ID: Cal 2 **Date Collected: 9/12/01 11:11:29 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: Cal 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	128163.8	1202.75	0.94%		
Y 360.073	3119074.6	32940.02	1.06%		
Li 610.362†	25867.6	116.27	0.45%	[5]	mg/L
Li 670.784†	201871.8	357.86	0.18%	[5]	mg/L
Mo 202.031†	251.9	1.32	0.53%	[10]	mg/L
Mo 203.845†	152.2	1.64	1.08%	[10]	mg/L
Mo 204.597†	62324.6	1282.86	2.06%	[10]	mg/L
Na 588.995†	36008.8	126.35	0.35%	[10]	mg/L
Ti 334.940†	88325.3	87.74	0.10%	[10]	mg/L
Ti 336.121†	75254.6	125.65	0.17%	[10]	mg/L
Ti 337.279†	28337.6	64.12	0.23%	[10]	mg/L

Sequence No.: 5 **Autosampler Location: 12**
Sample ID: Cal 3 **Date Collected: 9/12/01 11:15:21 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: Cal 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	129598.1	2862.19	2.21%		
Y 360.073	3081058.7	31698.49	1.03%		
Ce 413.380†	1809.5	39.36	2.18%	[2]	mg/L
Ce 413.764†	1861.8	43.08	2.31%	[2]	mg/L
Ce 418.660†	3924.9	79.88	2.04%	[2]	mg/L
Co 228.616†	69401.8	119.75	0.17%	[2]	mg/L
Co 230.786†	307.9	7.40	2.40%	[2]	mg/L
Co 238.892†	415.4	11.09	2.67%	[2]	mg/L
V 290.880†	1751.9	39.78	2.27%	[2]	mg/L
V 309.310†	3281.9	75.41	2.30%	[2]	mg/L
V 310.230†	272903.7	335.19	0.12%	[2]	mg/L

Sequence No.: 6 **Autosampler Location: 13**
Sample ID: Cal 4 **Date Collected: 9/12/01 11:19:13 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: Cal 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	126493.1	1844.89	1.46%		
Y 360.073	3104002.9	30892.18	1.00%		
Al 394.401†	4670.9	48.23	1.03%	[10]	mg/L
Al 396.153†	18325.7	208.79	1.14%	[10]	mg/L
Cr 205.560†	108.9	2.10	1.93%	[5]	mg/L
Cr 267.716†	109267.9	1143.53	1.05%	[5]	mg/L
Cr 283.563†	4467.3	38.60	0.86%	[5]	mg/L
Sn 189.927†	4315.2	51.83	1.20%	[4]	mg/L
Sn 235.485†	99.0	4.69	4.74%	[4]	mg/L
Zn 202.548†	885.0	13.71	1.55%	[5]	mg/L
Zn 206.200†	428.1	7.60	1.78%	[5]	mg/L
Zn 213.857†	2072.4	27.99	1.35%	[5]	mg/L

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

Autosampler Location: 14
Date Collected: 9/12/01 11:23:09 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal Ag/K

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	127525.7	302.48	0.24%		
Y 360.073	3053963.8	10018.84	0.33%		
Ag 328.068†	16827.0	141.72	0.84%	[0.1]	mg/L
Ag 338.289†	9243.6	63.44	0.69%	[0.1]	mg/L
K 766.490†	227956.3	1055.12	0.46%	[500]	mg/L

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

Autosampler Location: 15
Date Collected: 9/12/01 11:26:33 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal 5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	131033.4	1423.64	1.09%		
Y 360.073	3131938.0	22433.33	0.72%		
Be 234.861†	249072.8	2871.42	1.15%	[1]	mg/L
Be 313.042†	22616.4	59.00	0.26%	[1]	mg/L
Be 313.107†	22616.4	59.00	0.26%	[1]	mg/L
Fe 238.204†	5311.2	40.38	0.76%	[10]	mg/L
Fe 239.562†	4182.5	23.36	0.56%	[10]	mg/L
Fe 259.939†	12270.6	28.05	0.23%	[10]	mg/L
Mg 280.271†	336107.8	367.39	0.11%	[10]	mg/L
Mg 285.213†	9246.7	71.12	0.77%	[10]	mg/L
Ni 221.648†	57.8	2.68	4.64%	[2]	mg/L
Ni 231.604†	22004.4	181.22	0.82%	[2]	mg/L
Ni 232.003†	124.9	1.71	1.37%	[2]	mg/L
Pb 217.000†	99.0	1.68	1.70%	[10]	mg/L
Pb 220.353†	22593.0	140.57	0.62%	[10]	mg/L
Tl 190.801†	3365.9	15.76	0.47%	[5]	mg/L
Tl 276.787†	17570.0	65.63	0.37%	[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: 9/12/01 11:30:31 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Hi Cal

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	124605.9	1610.90	1.29%		
Y 360.073	2872837.5	24089.03	0.84%		
Al 308.215†	119736.5	516.12	0.43%	[500]	mg/L
Ca 315.887†	534093.0	2987.53	0.56%	[500]	mg/L
Fe 273.955†	92573.7	412.35	0.45%	[500]	mg/L
Mg 279.077†	104485.3	540.63	0.52%	[500]	mg/L
Na 589.592†	1915399.2	17594.01	0.92%	[500]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin, Calc Int	0.0	168300	0.00000	1.000000	
Ag 338.289	1	Lin, Calc Int	0.0	92440	0.00000	1.000000	
Al 308.215	1	Lin, Calc Int	0.0	239.5	0.00000	1.000000	
Al 394.401	1	Lin, Calc Int	0.0	467.1	0.00000	1.000000	
Al 396.153	1	Lin, Calc Int	0.0	1833	0.00000	1.000000	
As 188.979	1	Lin, Calc Int	0.0	2.558	0.00000	1.000000	
As 193.696	1	Lin, Calc Int	0.0	636.6	0.00000	1.000000	
As 197.197	1	Lin, Calc Int	0.0	2.054	0.00000	1.000000	
B 208.889	1	Lin, Calc Int	0.0	26.25	0.00000	1.000000	
B 249.677	1	Lin, Calc Int	0.0	222.0	0.00000	1.000000	
B 249.772	1	Lin, Calc Int	0.0	471.0	0.00000	1.000000	
Ba 233.527	1	Lin, Calc Int	0.0	596.5	0.00000	1.000000	
Ba 455.403	1	Lin, Calc Int	0.0	56280	0.00000	1.000000	
Ba 493.408	1	Lin, Calc Int	0.0	104900	0.00000	1.000000	
Be 234.861	1	Lin, Calc Int	0.0	249100	0.00000	1.000000	
Be 313.042	1	Lin, Calc Int	0.0	22620	0.00000	1.000000	
Be 313.107	1	Lin, Calc Int	0.0	22620	0.00000	1.000000	
Ca 315.887	1	Lin, Calc Int	0.0	1068	0.00000	1.000000	
Ca 317.933	1	Lin, Calc Int	0.0	900.3	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	30800	0.00000	1.000000	
Cd 228.802	1	Lin, Calc Int	0.0	555.9	0.00000	1.000000	
Ce 413.380	1	Lin, Calc Int	0.0	904.8	0.00000	1.000000	
Ce 413.764	1	Lin, Calc Int	0.0	930.9	0.00000	1.000000	
Ce 418.660	1	Lin, Calc Int	0.0	1962	0.00000	1.000000	
Co 228.616	1	Lin, Calc Int	0.0	34700	0.00000	1.000000	
Co 230.786	1	Lin, Calc Int	0.0	154.0	0.00000	1.000000	
Co 238.892	1	Lin, Calc Int	0.0	207.7	0.00000	1.000000	
Cr 205.560	1	Lin, Calc Int	0.0	21.79	0.00000	1.000000	
Cr 267.716	1	Lin, Calc Int	0.0	21850	0.00000	1.000000	
Cr 283.563	1	Lin, Calc Int	0.0	893.5	0.00000	1.000000	
Cu 224.700	1	Lin, Calc Int	0.0	81.90	0.00000	1.000000	
Cu 324.752	1	Lin, Calc Int	0.0	3534	0.00000	1.000000	
Cu 327.393	1	Lin, Calc Int	0.0	55320	0.00000	1.000000	
Fe 238.204	1	Lin, Calc Int	-0.0	531.1	0.00000	1.000000	
Fe 239.562	1	Lin, Calc Int	0.0	418.2	0.00000	1.000000	
Fe 259.939	1	Lin, Calc Int	0.0	1227	0.00000	1.000000	
Fe 273.955	1	Lin, Calc Int	0.0	185.1	0.00000	1.000000	
K 766.490	1	Lin, Calc Int	0.0	455.9	0.00000	1.000000	
Li 610.362	1	Lin, Calc Int	0.0	5174	0.00000	1.000000	
Li 670.784	1	Lin, Calc Int	0.0	40370	0.00000	1.000000	
Mg 279.077	1	Lin, Calc Int	0.0	209.0	0.00000	1.000000	
Mg 280.271	1	Lin, Calc Int	0.0	33610	0.00000	1.000000	
Mg 285.213	1	Lin, Calc Int	0.0	924.7	0.00000	1.000000	
Mn 257.610	1	Lin, Calc Int	0.0	4879	0.00000	1.000000	
Mn 259.372	1	Lin, Calc Int	0.0	7615	0.00000	1.000000	
Mn 260.568	1	Lin, Calc Int	0.0	3793	0.00000	1.000000	
Mo 202.031	1	Lin, Calc Int	0.0	25.19	0.00000	1.000000	
Mo 203.845	1	Lin, Calc Int	0.0	15.22	0.00000	1.000000	
Mo 204.597	1	Lin, Calc Int	0.0	6232	0.00000	1.000000	
Na 588.995	1	Lin, Calc Int	0.0	3601	0.00000	1.000000	
Na 589.592	1	Lin, Calc Int	0.0	3831	0.00000	1.000000	
Ni 221.648	1	Lin, Calc Int	0.0	28.90	0.00000	1.000000	
Ni 231.604	1	Lin, Calc Int	0.0	11000	0.00000	1.000000	

Ni 232.003	1	Lin, Calc Int	0.0	62.43	0.00000	1.000000
Pb 217.000	1	Lin, Calc Int	0.0	9.899	0.00000	1.000000
Pb 220.353	1	Lin, Calc Int	0.0	2259	0.00000	1.000000
Sb 206.836	1	Lin, Calc Int	0.0	1745	0.00000	1.000000
Sb 217.582	1	Lin, Calc Int	0.0	5.650	0.00000	1.000000
Se 196.026	1	Lin, Calc Int	0.0	793.8	0.00000	1.000000
Se 203.985	1	Lin, Calc Int	0.0	462.3	0.00000	1.000000
Sn 189.927	1	Lin, Calc Int	0.0	1079	0.00000	1.000000
Sn 235.485	1	Lin, Calc Int	0.0	24.74	0.00000	1.000000
Sr 407.771	1	Lin, Calc Int	0.0	103400	0.00000	1.000000
Sr 421.552	1	Lin, Calc Int	0.0	155200	0.00000	1.000000
Sr 460.733	1	Lin, Calc Int	0.0	6916	0.00000	1.000000
Ti 334.940	1	Lin, Calc Int	-0.0	8833	0.00000	1.000000
Ti 336.121	1	Lin, Calc Int	0.0	7525	0.00000	1.000000
Ti 337.279	1	Lin, Calc Int	0.0	2834	0.00000	1.000000
Tl 190.801	1	Lin, Calc Int	0.0	673.2	0.00000	1.000000
Tl 276.787	1	Lin, Calc Int	0.0	3514	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	876.0	0.00000	1.000000
V 309.310	1	Lin, Calc Int	0.0	1641	0.00000	1.000000
V 310.230	1	Lin, Calc Int	0.0	136500	0.00000	1.000000
Zn 202.548	1	Lin, Calc Int	0.0	177.0	0.00000	1.000000
Zn 206.200	1	Lin, Calc Int	0.0	85.62	0.00000	1.000000
Zn 213.857	1	Lin, Calc Int	0.0	414.5	0.00000	1.000000

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

Autosampler Location: 17
Date Collected: 9/12/01 11:34:04 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	134445.9						1750.65	1.30%
Y 360.073	3165366.2						57871.38	1.83%
Ag 328.068†	39.3	0.00023	mg/L	0.000062	0.00023	mg/L	0.000062	26.34%
Ag 338.289†	21.4	0.00023	mg/L	0.000268	0.00023	mg/L	0.000268	116.05%
Al 308.215†	-3.9	-0.01614	mg/L	0.010852	-0.01614	mg/L	0.010852	67.22%
Al 394.401†	-1.1	-0.00228	mg/L	0.008905	-0.00228	mg/L	0.008905	390.14%
Al 396.153†	-20.3	-0.00982	mg/L	0.015956	-0.00982	mg/L	0.015956	162.49%
As 188.979†	0.1	0.03284	mg/L	0.339406	0.03284	mg/L	0.339406	>999.9%
As 193.696†	0.8	0.00128	mg/L	0.001665	0.00128	mg/L	0.001665	130.08%
As 197.197†	0.1	0.06419	mg/L	0.076436	0.06419	mg/L	0.076436	119.08%
B 208.889†	-0.3	-0.01292	mg/L	0.021957	-0.01292	mg/L	0.021957	169.97%
B 249.677†	-4.3	-0.01917	mg/L	0.009668	-0.01917	mg/L	0.009668	50.43%
B 249.772†	-6.7	-0.01419	mg/L	0.003254	-0.01419	mg/L	0.003254	22.93%
Ba 233.527†	-1.1	-0.00181	mg/L	0.000997	-0.00181	mg/L	0.000997	54.93%
Ba 455.403†	-32.0	-0.00057	mg/L	0.000046	-0.00057	mg/L	0.000046	8.00%
Ba 493.408†	15.2	0.00014	mg/L	0.000170	0.00014	mg/L	0.000170	117.40%
Be 234.861†	-104.7	-0.00042	mg/L	0.000013	-0.00042	mg/L	0.000013	3.21%
Be 313.042†	3.1	0.00014	mg/L	0.000092	0.00014	mg/L	0.000092	67.69%
Be 313.107†	3.1	0.00014	mg/L	0.000092	0.00014	mg/L	0.000092	67.69%
Ca 315.887†	-87.1	-0.08154	mg/L	0.008694	-0.08154	mg/L	0.008694	10.66%
Ca 317.933†	-62.5	-0.06937	mg/L	0.007734	-0.06937	mg/L	0.007734	11.15%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-2.3	-0.00007	mg/L	0.000094	-0.00007	mg/L	0.000094	126.91%
Cd 228.802†	-1.4	-0.00251	mg/L	0.000983	-0.00251	mg/L	0.000983	39.19%
Ce 413.380†	4.2	0.00468	mg/L	0.000384	0.00468	mg/L	0.000384	8.21%
Ce 413.764†	-8.8	-0.00949	mg/L	0.004465	-0.00949	mg/L	0.004465	47.05%
Ce 418.660†	28.7	0.01460	mg/L	0.006882	0.01460	mg/L	0.006882	47.14%
Co 228.616†	-8.8	-0.00025	mg/L	0.000357	-0.00025	mg/L	0.000357	141.12%
Co 230.786†	0.4	0.00288	mg/L	0.001476	0.00288	mg/L	0.001476	51.22%
Co 238.892†	-1.0	-0.00467	mg/L	0.001438	-0.00467	mg/L	0.001438	30.76%
Cr 205.560†	-0.1	-0.00324	mg/L	0.007169	-0.00324	mg/L	0.007169	221.39%
Cr 267.716†	-1.0	-0.00005	mg/L	0.000055	-0.00005	mg/L	0.000055	120.89%
Cr 283.563†	-1.3	-0.00149	mg/L	0.001000	-0.00149	mg/L	0.001000	66.96%
Cu 224.700†	-0.6	-0.00704	mg/L	0.001764	-0.00704	mg/L	0.001764	25.05%

Cu 324.752†	-9.9	-0.00280 mg/L	0.000961	-0.00280 mg/L	0.000961	34.33%
Cu 327.393†	-123.9	-0.00224 mg/L	0.000584	-0.00224 mg/L	0.000584	26.05%
Fe 238.204†	39.1	0.07358 mg/L	0.008554	0.07358 mg/L	0.008554	11.63%
Fe 239.562†	31.0	0.07413 mg/L	0.008019	0.07413 mg/L	0.008019	10.82%
Fe 259.939†	90.8	0.07401 mg/L	0.009803	0.07401 mg/L	0.009803	13.25%
Fe 273.955†	15.5	0.08369 mg/L	0.018100	0.08369 mg/L	0.018100	21.63%
K 766.490†	70.8	0.1553 mg/L	0.02286	0.1553 mg/L	0.02286	14.72%
Li 610.362†	21.6	0.00418 mg/L	0.033357	0.00418 mg/L	0.033357	797.81%
Li 670.784†	-205.0	-0.00508 mg/L	0.000932	-0.00508 mg/L	0.000932	18.35%
Mg 279.077†	11.6	0.05543 mg/L	0.026659	0.05543 mg/L	0.026659	48.10%
Mg 280.271†	1975.5	0.05877 mg/L	0.010012	0.05877 mg/L	0.010012	17.04%
Mg 285.213†	54.7	0.05914 mg/L	0.008187	0.05914 mg/L	0.008187	13.84%
Mn 257.610†	-3.8	-0.00078 mg/L	0.000142	-0.00078 mg/L	0.000142	18.30%
Mn 259.372†	-0.7	0.00004 mg/L	0.000231	0.00004 mg/L	0.000231	592.82%
Mn 260.568†	-1.2	-0.00032 mg/L	0.000445	-0.00032 mg/L	0.000445	138.05%
Mo 202.031†	-1.2	-0.04648 mg/L	0.019951	-0.04648 mg/L	0.019951	42.92%
Mo 203.845†	-0.6	-0.03841 mg/L	0.004349	-0.03841 mg/L	0.004349	11.32%
Mo 204.597†	4.9	0.00078 mg/L	0.000371	0.00078 mg/L	0.000371	47.38%
Na 588.995†	289.6	0.08044 mg/L	0.037552	0.08044 mg/L	0.037552	46.68%
Na 589.592†	259.7	0.06779 mg/L	0.034736	0.06779 mg/L	0.034736	51.24%
Ni 221.648†	0.4	0.01499 mg/L	0.030840	0.01499 mg/L	0.030840	205.71%
Ni 231.604†	3.5	0.00032 mg/L	0.000341	0.00032 mg/L	0.000341	106.55%
Ni 232.003†	-0.4	-0.00710 mg/L	0.023078	-0.00710 mg/L	0.023078	325.26%
Pb 217.000†	-0.1	-0.00562 mg/L	0.125697	-0.00562 mg/L	0.125697	>999.9%
Pb 220.353†	2.3	0.00101 mg/L	0.001011	0.00101 mg/L	0.001011	100.45%
Sb 206.836†	-1.4	-0.00080 mg/L	0.002502	-0.00080 mg/L	0.002502	311.04%
Sb 217.582†	-0.5	-0.09244 mg/L	0.048432	-0.09244 mg/L	0.048432	52.39%
Se 196.026†	-0.7	-0.00087 mg/L	0.005105	-0.00087 mg/L	0.005105	584.16%
Se 203.985†	3.3	0.00711 mg/L	0.003133	0.00711 mg/L	0.003133	44.05%
Sn 189.927†	-1.6	-0.00150 mg/L	0.001047	-0.00150 mg/L	0.001047	69.65%
Sn 235.485†	-0.5	-0.02069 mg/L	0.070677	-0.02069 mg/L	0.070677	341.61%
Sr 407.771†	-330.1	-0.00319 mg/L	0.000037	-0.00319 mg/L	0.000037	1.17%
Sr 421.552†	-485.5	-0.00313 mg/L	0.000059	-0.00313 mg/L	0.000059	1.90%
Sr 460.733†	-67.3	-0.00974 mg/L	0.003626	-0.00974 mg/L	0.003626	37.25%
Ti 334.940†	0.4	0.00004 mg/L	0.000352	0.00004 mg/L	0.000352	859.08%
Ti 336.121†	-8.4	-0.00111 mg/L	0.000495	-0.00111 mg/L	0.000495	44.46%
Ti 337.279†	-3.2	-0.00113 mg/L	0.000076	-0.00113 mg/L	0.000076	6.73%
Tl 190.801†	2.3	0.00348 mg/L	0.001156	0.00348 mg/L	0.001156	33.24%
Tl 276.787†	6.9	0.00198 mg/L	0.002099	0.00198 mg/L	0.002099	106.17%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-0.0	-0.00002 mg/L	0.003921	-0.00002 mg/L	0.003921	>999.9%
V 309.310†	0.5	0.00030 mg/L	0.001572	0.00030 mg/L	0.001572	520.34%
V 310.230†	441.7	0.00324 mg/L	0.001193	0.00324 mg/L	0.001193	36.86%
Zn 202.548†	-1.3	-0.00703 mg/L	0.012789	-0.00703 mg/L	0.012789	181.92%
Zn 206.200†	-0.3	-0.00320 mg/L	0.003404	-0.00320 mg/L	0.003404	106.39%
Zn 213.857†	-1.5	-0.00358 mg/L	0.000324	-0.00358 mg/L	0.000324	9.05%

Sequence No.: 11 **Autosampler Location: 1**
Sample ID: BLANK **Date Collected: 9/12/01 11:39:00 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	131966.9						675.98	0.51%
Y 360.073	3148657.9						21592.65	0.69%
Ag 328.068†	22.6	0.00013	mg/L	0.000158	0.00013	mg/L	0.000158	118.00%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Ag 338.289†	-48.6	-0.00053	mg/L	0.000296	-0.00053	mg/L	0.000296	56.26%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215†	-6.4	-0.02673	mg/L	0.005601	-0.02673	mg/L	0.005601	20.96%
QC value within limits for Al 308.215 Recovery = Not calculated								
Al 394.401†	-8.0	-0.01719	mg/L	0.005688	-0.01719	mg/L	0.005688	33.10%
QC value within limits for Al 394.401 Recovery = Not calculated								
Al 396.153†	-38.7	-0.01946	mg/L	0.007671	-0.01946	mg/L	0.007671	39.42%
QC value within limits for Al 396.153 Recovery = Not calculated								

As 188.979†	0.5	0.2103 mg/L	0.14685	0.2103 mg/L	0.14685	69.83%
QC value within limits for As 188.979 Recovery = Not calculated						
As 193.696†	0.8	0.00119 mg/L	0.002820	0.00119 mg/L	0.002820	236.68%
QC value within limits for As 193.696 Recovery = Not calculated						
As 197.197†	0.0	0.01057 mg/L	0.217145	0.01057 mg/L	0.217145	>999.9%
QC value within limits for As 197.197 Recovery = Not calculated						
B 208.889†	-0.0	-0.00185 mg/L	0.027510	-0.00185 mg/L	0.027510	>999.9%
QC value within limits for B 208.889 Recovery = Not calculated						
B 249.677†	-1.2	-0.00559 mg/L	0.007660	-0.00559 mg/L	0.007660	137.05%
QC value within limits for B 249.677 Recovery = Not calculated						
B 249.772†	-1.7	-0.00371 mg/L	0.005630	-0.00371 mg/L	0.005630	151.79%
QC value within limits for B 249.772 Recovery = Not calculated						
Ba 233.527†	-0.7	-0.00111 mg/L	0.000825	-0.00111 mg/L	0.000825	74.50%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Ba 455.403†	-10.9	-0.00019 mg/L	0.000054	-0.00019 mg/L	0.000054	27.93%
QC value within limits for Ba 455.403 Recovery = Not calculated						
Ba 493.408†	41.6	0.00040 mg/L	0.001058	0.00040 mg/L	0.001058	267.03%
QC value within limits for Ba 493.408 Recovery = Not calculated						
Be 234.861†	-35.1	-0.00014 mg/L	0.000039	-0.00014 mg/L	0.000039	27.54%
QC value within limits for Be 234.861 Recovery = Not calculated						
Be 313.042†	0.3	0.00001 mg/L	0.000091	0.00001 mg/L	0.000091	675.41%
QC value within limits for Be 313.042 Recovery = Not calculated						
Be 313.107†	0.3	0.00001 mg/L	0.000091	0.00001 mg/L	0.000091	675.41%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	-35.0	-0.03275 mg/L	0.003235	-0.03275 mg/L	0.003235	9.88%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Ca 317.933†	-28.7	-0.03183 mg/L	0.006475	-0.03183 mg/L	0.006475	20.34%
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	0.000135	-0.00002 mg/L	0.000135	555.94%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Cd 228.802†	-1.2	-0.00214 mg/L	0.001887	-0.00214 mg/L	0.001887	87.98%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Ce 413.380†	-2.3	-0.00256 mg/L	0.018401	-0.00256 mg/L	0.018401	719.88%
QC value within limits for Ce 413.380 Recovery = Not calculated						
Ce 413.764†	-8.2	-0.00881 mg/L	0.006194	-0.00881 mg/L	0.006194	70.33%
QC value within limits for Ce 413.764 Recovery = Not calculated						
Ce 418.660†	6.9	0.00352 mg/L	0.002719	0.00352 mg/L	0.002719	77.17%
QC value within limits for Ce 418.660 Recovery = Not calculated						
Co 228.616†	-3.3	-0.00009 mg/L	0.000128	-0.00009 mg/L	0.000128	135.62%
QC value within limits for Co 228.616 Recovery = Not calculated						
Co 230.786†	-0.4	-0.00239 mg/L	0.006599	-0.00239 mg/L	0.006599	276.64%
QC value within limits for Co 230.786 Recovery = Not calculated						
Co 238.892†	-1.3	-0.00633 mg/L	0.004350	-0.00633 mg/L	0.004350	68.72%
QC value within limits for Co 238.892 Recovery = Not calculated						
Cr 205.560†	0.0	0.00027 mg/L	0.026634	0.00027 mg/L	0.026634	>999.9%
QC value within limits for Cr 205.560 Recovery = Not calculated						
Cr 267.716†	-0.5	-0.00002 mg/L	0.000172	-0.00002 mg/L	0.000172	703.59%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cr 283.563†	-1.3	-0.00149 mg/L	0.001471	-0.00149 mg/L	0.001471	98.62%
QC value within limits for Cr 283.563 Recovery = Not calculated						
Cu 224.700†	-0.5	-0.00661 mg/L	0.011416	-0.00661 mg/L	0.011416	172.72%
QC value within limits for Cu 224.700 Recovery = Not calculated						
Cu 324.752†	-3.6	-0.00101 mg/L	0.000054	-0.00101 mg/L	0.000054	5.34%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Cu 327.393†	-46.8	-0.00085 mg/L	0.000225	-0.00085 mg/L	0.000225	26.62%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	2.4	0.00445 mg/L	0.001690	0.00445 mg/L	0.001690	37.95%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 239.562†	3.1	0.00733 mg/L	0.002879	0.00733 mg/L	0.002879	39.28%
QC value within limits for Fe 239.562 Recovery = Not calculated						
Fe 259.939†	6.9	0.00559 mg/L	0.001641	0.00559 mg/L	0.001641	29.36%
QC value within limits for Fe 259.939 Recovery = Not calculated						
Fe 273.955†	1.3	0.00715 mg/L	0.003250	0.00715 mg/L	0.003250	45.46%
QC value within limits for Fe 273.955 Recovery = Not calculated						
K 766.490†	137.9	0.3024 mg/L	0.05899	0.3024 mg/L	0.05899	19.50%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 610.362†	114.1	0.02205 mg/L	0.022326	0.02205 mg/L	0.022326	101.25%
QC value within limits for Li 610.362 Recovery = Not calculated						

```
Li 670.784†                -5.0    -0.00012 mg/L      0.000476    -0.00012 mg/L      0.000476 381.16%
   QC value within limits for Li 670.784  Recovery = Not calculated
Mg 279.077†                -3.9    -0.01846 mg/L      0.004375    -0.01846 mg/L      0.004375  23.70%
   QC value within limits for Mg 279.077  Recovery = Not calculated
Mg 280.271†               -33.5    -0.00100 mg/L      0.002033    -0.00100 mg/L      0.002033 204.03%
   QC value within limits for Mg 280.271  Recovery = Not calculated
Mg 285.213†                -0.5    -0.00055 mg/L      0.002834    -0.00055 mg/L      0.002834 515.58%
   QC value within limits for Mg 285.213  Recovery = Not calculated
Mn 257.610†                -2.5    -0.00050 mg/L      0.000104    -0.00050 mg/L      0.000104  20.67%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mn 259.372†                -0.0     0.00028 mg/L      0.000111     0.00028 mg/L      0.000111  40.01%
   QC value within limits for Mn 259.372  Recovery = Not calculated
Mn 260.568†                -0.6    -0.00015 mg/L      0.000455    -0.00015 mg/L      0.000455 299.17%
   QC value within limits for Mn 260.568  Recovery = Not calculated
Mo 202.031†                -1.5    -0.05940 mg/L      0.074613    -0.05940 mg/L      0.074613 125.62%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Mo 203.845†                 0.7     0.04591 mg/L      0.071489     0.04591 mg/L      0.071489 155.72%
   QC value within limits for Mo 203.845  Recovery = Not calculated
Mo 204.597†                 1.9     0.00030 mg/L      0.000299     0.00030 mg/L      0.000299  99.18%
   QC value within limits for Mo 204.597  Recovery = Not calculated
Na 588.995†               -91.6    -0.02543 mg/L      0.021095    -0.02543 mg/L      0.021095  82.95%
   QC value within limits for Na 588.995  Recovery = Not calculated
Na 589.592†              -118.9    -0.03103 mg/L      0.011270    -0.03103 mg/L      0.011270  36.32%
   QC value within limits for Na 589.592  Recovery = Not calculated
Ni 221.648†                 0.2     0.00829 mg/L      0.022192     0.00829 mg/L      0.022192 267.83%
   QC value within limits for Ni 221.648  Recovery = Not calculated
Ni 231.604†                -1.0    -0.00009 mg/L      0.000199    -0.00009 mg/L      0.000199 225.49%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Ni 232.003†                -1.4    -0.02192 mg/L      0.008241    -0.02192 mg/L      0.008241  37.59%
   QC value within limits for Ni 232.003  Recovery = Not calculated
Pb 217.000†                 0.7     0.06743 mg/L      0.035642     0.06743 mg/L      0.035642  52.86%
   QC value within limits for Pb 217.000  Recovery = Not calculated
Pb 220.353†                 7.0     0.00309 mg/L      0.000901     0.00309 mg/L      0.000901  29.12%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†                -1.4    -0.00079 mg/L      0.001998    -0.00079 mg/L      0.001998 253.55%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Sb 217.582†                -0.2    -0.03724 mg/L      0.037610    -0.03724 mg/L      0.037610 100.99%
   QC value within limits for Sb 217.582  Recovery = Not calculated
Se 196.026†                 2.2     0.00280 mg/L      0.003302     0.00280 mg/L      0.003302 117.91%
   QC value within limits for Se 196.026  Recovery = Not calculated
Se 203.985†                 3.1     0.00663 mg/L      0.003240     0.00663 mg/L      0.003240  48.84%
   QC value within limits for Se 203.985  Recovery = Not calculated
Sn 189.927†                -2.2    -0.00208 mg/L      0.001643    -0.00208 mg/L      0.001643  79.13%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Sn 235.485†                 0.6     0.02365 mg/L      0.081185     0.02365 mg/L      0.081185 343.30%
   QC value within limits for Sn 235.485  Recovery = Not calculated
Sr 407.771†              -101.3    -0.00098 mg/L      0.000008    -0.00098 mg/L      0.000008   0.86%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Sr 421.552†              -138.5    -0.00089 mg/L      0.000059    -0.00089 mg/L      0.000059   6.66%
   QC value within limits for Sr 421.552  Recovery = Not calculated
Sr 460.733†                 8.9     0.00129 mg/L      0.008497     0.00129 mg/L      0.008497 658.16%
   QC value within limits for Sr 460.733  Recovery = Not calculated
Ti 334.940†                 0.9     0.00010 mg/L      0.000107     0.00010 mg/L      0.000107 103.64%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Ti 336.121†                -9.3    -0.00124 mg/L      0.000207    -0.00124 mg/L      0.000207  16.75%
   QC value within limits for Ti 336.121  Recovery = Not calculated
Ti 337.279†                -1.8    -0.00064 mg/L      0.000263    -0.00064 mg/L      0.000263  40.93%
   QC value within limits for Ti 337.279  Recovery = Not calculated
Tl 190.801†                 1.7     0.00250 mg/L      0.002016     0.00250 mg/L      0.002016  80.64%
   QC value within limits for Tl 190.801  Recovery = Not calculated
Tl 276.787†               -10.2    -0.00292 mg/L      0.000832    -0.00292 mg/L      0.000832  28.54%
   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†                 -0.5    -0.00053 mg/L      0.000890    -0.00053 mg/L      0.000890 168.43%
   QC value within limits for V 290.880  Recovery = Not calculated
V 309.310†                  1.7     0.00105 mg/L      0.000533     0.00105 mg/L      0.000533  50.53%
   QC value within limits for V 309.310  Recovery = Not calculated
V 310.230†                553.9     0.00406 mg/L      0.000616     0.00406 mg/L      0.000616  15.17%
   QC value within limits for V 310.230  Recovery = Not calculated
```

Zn 202.548†	-0.7	-0.00414 mg/L	0.002908	-0.00414 mg/L	0.002908	70.25%
QC value within limits for Zn 202.548 Recovery = Not calculated						
Zn 206.200†	0.4	0.00475 mg/L	0.003327	0.00475 mg/L	0.003327	70.02%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zn 213.857†	-0.4	-0.00100 mg/L	0.000689	-0.00100 mg/L	0.000689	69.28%
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: 9/12/01 11:45:07 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	132275.0						1265.04	0.96%
Y 360.073	3187456.1						12010.49	0.38%
Ag 328.068†	29561.2	0.1757	mg/L	0.00059	0.1757	mg/L	0.00059	0.34%
Ag 338.289†	16396.7	0.1774	mg/L	0.00051	0.1774	mg/L	0.00051	0.29%
Al 308.215†	220.0	0.9186	mg/L	0.00843	0.9186	mg/L	0.00843	0.92%
QC value within limits for Al 308.215 Recovery = 91.86%								
Al 394.401†	424.4	0.9086	mg/L	0.00438	0.9086	mg/L	0.00438	0.48%
QC value within limits for Al 394.401 Recovery = 90.86%								
Al 396.153†	1724.0	0.9396	mg/L	0.00909	0.9396	mg/L	0.00909	0.97%
QC value within limits for Al 396.153 Recovery = 93.96%								
As 188.979†	4.3	1.673	mg/L	0.1251	1.673	mg/L	0.1251	7.47%
QC value less than the lower limit for As 188.979 Recovery = 83.67%								
As 193.696†	1299.2	2.041	mg/L	0.0060	2.041	mg/L	0.0060	0.29%
QC value within limits for As 193.696 Recovery = 102.04%								
As 197.197†	3.6	1.732	mg/L	0.1545	1.732	mg/L	0.1545	8.92%
QC value less than the lower limit for As 197.197 Recovery = 86.60%								
B 208.889†	21.6	0.8242	mg/L	0.05125	0.8242	mg/L	0.05125	6.22%
QC value less than the lower limit for B 208.889 Recovery = 82.42%								
B 249.677†	206.7	0.9309	mg/L	0.01412	0.9309	mg/L	0.01412	1.52%
QC value within limits for B 249.677 Recovery = 93.09%								
B 249.772†	435.0	0.9236	mg/L	0.00440	0.9236	mg/L	0.00440	0.48%
QC value within limits for B 249.772 Recovery = 92.36%								
Ba 233.527†	592.0	0.9925	mg/L	0.01125	0.9925	mg/L	0.01125	1.13%
QC value within limits for Ba 233.527 Recovery = 99.25%								
Ba 455.403†	57107.4	1.015	mg/L	0.0065	1.015	mg/L	0.0065	0.64%
QC value within limits for Ba 455.403 Recovery = 101.48%								
Ba 493.408†	105761.3	1.008	mg/L	0.0064	1.008	mg/L	0.0064	0.63%
QC value within limits for Ba 493.408 Recovery = 100.80%								
Be 234.861†	263724.3	1.059	mg/L	0.0056	1.059	mg/L	0.0056	0.53%
QC value within limits for Be 234.861 Recovery = 105.88%								
Be 313.042†	22462.0	0.9932	mg/L	0.00411	0.9932	mg/L	0.00411	0.41%
QC value within limits for Be 313.042 Recovery = 99.32%								
Be 313.107†	22462.0	0.9932	mg/L	0.00411	0.9932	mg/L	0.00411	0.41%
QC value within limits for Be 313.107 Recovery = 99.32%								
Ca 315.887†	1028.5	0.9629	mg/L	0.01514	0.9629	mg/L	0.01514	1.57%
QC value within limits for Ca 315.887 Recovery = 96.29%								
Ca 317.933†	805.1	0.8942	mg/L	0.00810	0.8942	mg/L	0.00810	0.91%
QC value less than the lower limit for Ca 317.933 Recovery = 89.42%								
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†	30241.3	0.9820	mg/L	0.00291	0.9820	mg/L	0.00291	0.30%
QC value within limits for Cd 226.502 Recovery = 98.20%								
Cd 228.802†	546.8	0.9835	mg/L	0.00612	0.9835	mg/L	0.00612	0.62%
QC value within limits for Cd 228.802 Recovery = 98.35%								
Ce 413.380†	929.8	1.028	mg/L	0.0192	1.028	mg/L	0.0192	1.87%
QC value within limits for Ce 413.380 Recovery = 102.77%								
Ce 413.764†	937.7	1.007	mg/L	0.0209	1.007	mg/L	0.0209	2.07%
QC value within limits for Ce 413.764 Recovery = 100.73%								
Ce 418.660†	2037.2	1.038	mg/L	0.0121	1.038	mg/L	0.0121	1.17%
QC value within limits for Ce 418.660 Recovery = 103.81%								
Co 228.616†	34117.4	0.9832	mg/L	0.00477	0.9832	mg/L	0.00477	0.48%

QC value within limits for Co 228.616 Recovery = 98.32%

Co 230.786†	155.0	1.007 mg/L	0.0116	1.007 mg/L	0.0116	1.15%

QC value within limits for Co 230.786 Recovery = 100.65%

Co 238.892†	208.7	1.005 mg/L	0.0034	1.005 mg/L	0.0034	0.34%

QC value within limits for Co 238.892 Recovery = 100.49%

Cr 205.560†	21.1	0.9705 mg/L	0.01839	0.9705 mg/L	0.01839	1.89%

QC value within limits for Cr 205.560 Recovery = 97.05%

Cr 267.716†	21503.2	0.9840 mg/L	0.00469	0.9840 mg/L	0.00469	0.48%

QC value within limits for Cr 267.716 Recovery = 98.40%

Cr 283.563†	861.5	0.9642 mg/L	0.01176	0.9642 mg/L	0.01176	1.22%

QC value within limits for Cr 283.563 Recovery = 96.42%

Cu 224.700†	80.5	0.9831 mg/L	0.00888	0.9831 mg/L	0.00888	0.90%

QC value within limits for Cu 224.700 Recovery = 98.31%

Cu 324.752†	3416.5	0.9666 mg/L	0.00273	0.9666 mg/L	0.00273	0.28%

QC value within limits for Cu 324.752 Recovery = 96.66%

Cu 327.393†	53583.6	0.9687 mg/L	0.00416	0.9687 mg/L	0.00416	0.43%

QC value within limits for Cu 327.393 Recovery = 96.87%

Fe 238.204†	534.0	1.006 mg/L	0.0067	1.006 mg/L	0.0067	0.67%

QC value within limits for Fe 238.204 Recovery = 100.55%

Fe 239.562†	420.2	1.005 mg/L	0.0092	1.005 mg/L	0.0092	0.92%

QC value within limits for Fe 239.562 Recovery = 100.47%

Fe 259.939†	1232.3	1.004 mg/L	0.0101	1.004 mg/L	0.0101	1.00%

QC value within limits for Fe 259.939 Recovery = 100.42%

Fe 273.955†	207.2	1.119 mg/L	0.0122	1.119 mg/L	0.0122	1.09%

QC value greater than the upper limit for Fe 273.955 Recovery = 111.92%

K 766.490†	2443.3	5.359 mg/L	0.0319	5.359 mg/L	0.0319	0.59%

QC value within limits for K 766.490 Recovery = 107.18%

Li 610.362†	5352.3	1.035 mg/L	0.0098	1.035 mg/L	0.0098	0.94%

QC value within limits for Li 610.362 Recovery = 103.46%

Li 670.784†	39865.1	0.9874 mg/L	0.00621	0.9874 mg/L	0.00621	0.63%

QC value within limits for Li 670.784 Recovery = 98.74%

Mg 279.077†	211.4	1.011 mg/L	0.0310	1.011 mg/L	0.0310	3.06%

QC value within limits for Mg 279.077 Recovery = 101.14%

Mg 280.271†	33814.8	1.006 mg/L	0.0053	1.006 mg/L	0.0053	0.52%

QC value within limits for Mg 280.271 Recovery = 100.61%

Mg 285.213†	931.3	1.007 mg/L	0.0074	1.007 mg/L	0.0074	0.73%

QC value within limits for Mg 285.213 Recovery = 100.72%

Mn 257.610†	4873.5	0.9988 mg/L	0.00264	0.9988 mg/L	0.00264	0.26%

QC value within limits for Mn 257.610 Recovery = 99.88%

Mn 259.372†	7657.1	1.000 mg/L	0.0077	1.000 mg/L	0.0077	0.77%

QC value within limits for Mn 259.372 Recovery = 100.03%

Mn 260.568†	3815.3	1.006 mg/L	0.0065	1.006 mg/L	0.0065	0.65%

QC value within limits for Mn 260.568 Recovery = 100.60%

Mo 202.031†	20.8	0.8272 mg/L	0.04005	0.8272 mg/L	0.04005	4.84%

QC value less than the lower limit for Mo 202.031 Recovery = 82.72%

Mo 203.845†	13.2	0.8695 mg/L	0.03143	0.8695 mg/L	0.03143	3.61%

QC value less than the lower limit for Mo 203.845 Recovery = 86.95%

Mo 204.597†	5539.8	0.8889 mg/L	0.00549	0.8889 mg/L	0.00549	0.62%

QC value less than the lower limit for Mo 204.597 Recovery = 88.89%

Na 588.995†	3073.9	0.8537 mg/L	0.01539	0.8537 mg/L	0.01539	1.80%
Na 589.592†	3256.5	0.8501 mg/L	0.00302	0.8501 mg/L	0.00302	0.36%
Ni 221.648†	28.1	0.9709 mg/L	0.02297	0.9709 mg/L	0.02297	2.37%

QC value within limits for Ni 221.648 Recovery = 97.09%

Ni 231.604†	10841.9	0.9854 mg/L	0.00476	0.9854 mg/L	0.00476	0.48%

QC value within limits for Ni 231.604 Recovery = 98.54%

Ni 232.003†	62.8	1.005 mg/L	0.0151	1.005 mg/L	0.0151	1.51%

QC value within limits for Ni 232.003 Recovery = 100.54%

Pb 217.000†	20.1	2.027 mg/L	0.0452	2.027 mg/L	0.0452	2.23%

QC value within limits for Pb 217.000 Recovery = 101.36%

Pb 220.353†	4497.6	1.991 mg/L	0.0134	1.991 mg/L	0.0134	0.67%

QC value within limits for Pb 220.353 Recovery = 99.53%

Sb 206.836†	3240.0	1.857 mg/L	0.0073	1.857 mg/L	0.0073	0.39%

QC value within limits for Sb 206.836 Recovery = 92.86%

Sb 217.582†	10.5	1.854 mg/L	0.0433	1.854 mg/L	0.0433	2.34%

QC value within limits for Sb 217.582 Recovery = 92.68%

Se 196.026†	852.3	1.074 mg/L	0.0039	1.074 mg/L	0.0039	0.37%

QC value within limits for Se 196.026 Recovery = 107.36%

Se 203.985†	510.8	1.105 mg/L	0.0109	1.105 mg/L	0.0109	0.99%

QC value greater than the upper limit for Se 203.985 Recovery = 110.49%

Sn 189.927†	4783.2	4.434 mg/L	0.0287	4.434 mg/L	0.0287	0.65%

QC value less than the lower limit for Sn 189.927 Recovery = 88.68%

Sn 235.485†	107.7	4.352 mg/L	0.0407	4.352 mg/L	0.0407	0.93%

QC value less than the lower limit for Sn 235.485 Recovery = 87.05%

Sr 407.771†	101305.1	0.9797 mg/L	0.00715	0.9797 mg/L	0.00715	0.73%

QC value within limits for Sr 407.771 Recovery = 97.97%

Sr 421.552†	157405.5	1.014 mg/L	0.0079	1.014 mg/L	0.0079	0.78%

QC value within limits for Sr 421.552 Recovery = 101.44%

Sr 460.733†	6802.1	0.9836 mg/L	0.01663	0.9836 mg/L	0.01663	1.69%

QC value within limits for Sr 460.733 Recovery = 98.36%

Ti 334.940†	7902.6	0.8947 mg/L	0.00498	0.8947 mg/L	0.00498	0.56%

QC value less than the lower limit for Ti 334.940 Recovery = 89.47%

Ti 336.121†	6721.7	0.8932 mg/L	0.00394	0.8932 mg/L	0.00394	0.44%

QC value less than the lower limit for Ti 336.121 Recovery = 89.32%

Ti 337.279†	2533.3	0.8940 mg/L	0.00246	0.8940 mg/L	0.00246	0.28%

QC value less than the lower limit for Ti 337.279 Recovery = 89.40%

Tl 190.801†	3332.5	4.950 mg/L	0.0225	4.950 mg/L	0.0225	0.46%

QC value within limits for Tl 190.801 Recovery = 99.01%

Tl 276.787†	16344.2	4.651 mg/L	0.0176	4.651 mg/L	0.0176	0.38%

QC value within limits for Tl 276.787 Recovery = 93.02%

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†	884.4	1.010 mg/L	0.0125	1.010 mg/L	0.0125	1.23%

QC value within limits for V 290.880 Recovery = 100.97%

V 309.310†	1648.9	1.005 mg/L	0.0083	1.005 mg/L	0.0083	0.83%

QC value within limits for V 309.310 Recovery = 100.48%

V 310.230†	134676.5	0.9870 mg/L	0.00307	0.9870 mg/L	0.00307	0.31%

QC value within limits for V 310.230 Recovery = 98.70%

Zn 202.548†	169.8	0.9518 mg/L	0.00729	0.9518 mg/L	0.00729	0.77%

QC value within limits for Zn 202.548 Recovery = 95.18%

Zn 206.200†	82.5	0.9637 mg/L	0.00258	0.9637 mg/L	0.00258	0.27%

QC value within limits for Zn 206.200 Recovery = 96.37%

Zn 213.857†	396.0	0.9499 mg/L	0.01123	0.9499 mg/L	0.01123	1.18%

QC value within limits for Zn 213.857 Recovery = 94.99%

QC Failed. Continue with analysis.

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

Autosampler Location: 3
Date Collected: 9/12/01 11:50:42 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	132535.5						2448.03	1.85%
Y 360.073	3168635.8						11904.11	0.38%
Ag 328.068†	8255.9	0.04906	mg/L	0.000501	0.04906	mg/L	0.000501	1.02%
QC value within limits for Ag 328.068 Recovery = 98.13%								
Ag 338.289†	4614.3	0.04992	mg/L	0.001132	0.04992	mg/L	0.001132	2.27%
QC value within limits for Ag 338.289 Recovery = 99.84%								
Al 308.215†	-18.9	-0.07900	mg/L	0.003933	-0.07900	mg/L	0.003933	4.98%
Al 394.401†	-31.1	-0.06652	mg/L	0.003116	-0.06652	mg/L	0.003116	4.68%
Al 396.153†	-137.7	-0.07380	mg/L	0.002367	-0.07380	mg/L	0.002367	3.21%
As 188.979†	-0.0	-0.00852	mg/L	0.122350	-0.00852	mg/L	0.122350	>999.9%
As 193.696†	-1.2	-0.00196	mg/L	0.002027	-0.00196	mg/L	0.002027	103.35%
As 197.197†	-0.1	-0.07256	mg/L	0.085715	-0.07256	mg/L	0.085715	118.14%
B 208.889†	-0.0	-0.00160	mg/L	0.055623	-0.00160	mg/L	0.055623	>999.9%
B 249.677†	2.4	0.01101	mg/L	0.012122	0.01101	mg/L	0.012122	110.07%
B 249.772†	4.2	0.00886	mg/L	0.004846	0.00886	mg/L	0.004846	54.67%
Ba 233.527†	-0.0	-0.00001	mg/L	0.000703	-0.00001	mg/L	0.000703	>999.9%
Ba 455.403†	-5.6	-0.00010	mg/L	0.000069	-0.00010	mg/L	0.000069	68.97%
Ba 493.408†	70.7	0.00067	mg/L	0.000298	0.00067	mg/L	0.000298	44.16%
Be 234.861†	-18.1	-0.00007	mg/L	0.000055	-0.00007	mg/L	0.000055	75.70%
Be 313.042†	3.3	0.00014	mg/L	0.000159	0.00014	mg/L	0.000159	110.82%
Be 313.107†	3.3	0.00014	mg/L	0.000159	0.00014	mg/L	0.000159	110.82%
Ca 315.887†	-123.5	-0.1157	mg/L	0.01211	-0.1157	mg/L	0.01211	10.47%
Ca 317.933†	-93.2	-0.1035	mg/L	0.00691	-0.1035	mg/L	0.00691	6.68%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%

Cd 226.502†	7.8	0.00025 mg/L	0.000108	0.00025 mg/L	0.000108	42.90%
Cd 228.802†	0.3	0.00057 mg/L	0.001386	0.00057 mg/L	0.001386	241.54%
Ce 413.380†	8.8	0.00967 mg/L	0.007733	0.00967 mg/L	0.007733	79.93%
Ce 413.764†	-6.6	-0.00709 mg/L	0.003740	-0.00709 mg/L	0.003740	52.78%
Ce 418.660†	9.3	0.00472 mg/L	0.010010	0.00472 mg/L	0.010010	212.21%
Co 228.616†	-3.4	-0.00010 mg/L	0.000124	-0.00010 mg/L	0.000124	125.49%
Co 230.786†	-0.2	-0.00103 mg/L	0.001154	-0.00103 mg/L	0.001154	111.87%
Co 238.892†	-0.1	-0.00067 mg/L	0.003454	-0.00067 mg/L	0.003454	517.40%
Cr 205.560†	-0.1	-0.00450 mg/L	0.009914	-0.00450 mg/L	0.009914	220.27%
Cr 267.716†	7.0	0.00032 mg/L	0.000087	0.00032 mg/L	0.000087	27.38%
Cr 283.563†	0.2	0.00026 mg/L	0.001541	0.00026 mg/L	0.001541	583.49%
Cu 224.700†	-0.3	-0.00366 mg/L	0.012830	-0.00366 mg/L	0.012830	350.33%
Cu 324.752†	-1.1	-0.00031 mg/L	0.000328	-0.00031 mg/L	0.000328	104.15%
Cu 327.393†	44.3	0.00080 mg/L	0.000262	0.00080 mg/L	0.000262	32.64%
Fe 238.204†	0.2	0.00029 mg/L	0.001557	0.00029 mg/L	0.001557	529.32%
Fe 239.562†	1.3	0.00313 mg/L	0.001806	0.00313 mg/L	0.001806	57.77%
Fe 259.939†	2.0	0.00160 mg/L	0.000382	0.00160 mg/L	0.000382	23.81%
Fe 273.955†	0.7	0.00364 mg/L	0.002419	0.00364 mg/L	0.002419	66.48%
K 766.490†	95.6	0.2098 mg/L	0.03589	0.2098 mg/L	0.03589	17.11%
Li 610.362†	148.1	0.02862 mg/L	0.008800	0.02862 mg/L	0.008800	30.75%
Li 670.784†	153.9	0.00381 mg/L	0.002471	0.00381 mg/L	0.002471	64.82%
Mg 279.077†	-2.4	-0.01156 mg/L	0.010313	-0.01156 mg/L	0.010313	89.20%
Mg 280.271†	-410.9	-0.01222 mg/L	0.000175	-0.01222 mg/L	0.000175	1.43%
Mg 285.213†	-11.3	-0.01224 mg/L	0.000450	-0.01224 mg/L	0.000450	3.68%
Mn 257.610†	-0.7	-0.00015 mg/L	0.000110	-0.00015 mg/L	0.000110	75.15%
Mn 259.372†	5.7	0.00097 mg/L	0.000223	0.00097 mg/L	0.000223	22.99%
Mn 260.568†	-1.0	-0.00026 mg/L	0.000292	-0.00026 mg/L	0.000292	112.42%
Mo 202.031†	-1.2	-0.04809 mg/L	0.014787	-0.04809 mg/L	0.014787	30.75%
Mo 203.845†	-0.0	-0.00194 mg/L	0.131175	-0.00194 mg/L	0.131175	>999.9%
Mo 204.597†	10.5	0.00168 mg/L	0.000286	0.00168 mg/L	0.000286	17.05%
Na 588.995†	-764.1	-0.2122 mg/L	0.01583	-0.2122 mg/L	0.01583	7.46%
Na 589.592†	-886.4	-0.2314 mg/L	0.01493	-0.2314 mg/L	0.01493	6.45%
Ni 221.648†	0.8	0.02599 mg/L	0.012499	0.02599 mg/L	0.012499	48.09%
Ni 231.604†	2.9	0.00027 mg/L	0.000359	0.00027 mg/L	0.000359	134.02%
Ni 232.003†	-1.2	-0.01907 mg/L	0.011738	-0.01907 mg/L	0.011738	61.56%
Pb 217.000†	0.3	0.03094 mg/L	0.057735	0.03094 mg/L	0.057735	186.63%
Pb 220.353†	6.2	0.00277 mg/L	0.000704	0.00277 mg/L	0.000704	25.46%
Sb 206.836†	2.0	0.00115 mg/L	0.002709	0.00115 mg/L	0.002709	236.02%
Sb 217.582†	-0.8	-0.1418 mg/L	0.13110	-0.1418 mg/L	0.13110	92.48%
Se 196.026†	8.3	0.01045 mg/L	0.003390	0.01045 mg/L	0.003390	32.43%
Se 203.985†	-0.7	-0.00150 mg/L	0.001720	-0.00150 mg/L	0.001720	114.82%
Sn 189.927†	1.0	0.00089 mg/L	0.001086	0.00089 mg/L	0.001086	122.39%
Sn 235.485†	0.3	0.01050 mg/L	0.053645	0.01050 mg/L	0.053645	511.07%
Sr 407.771†	-285.9	-0.00276 mg/L	0.000054	-0.00276 mg/L	0.000054	1.94%
Sr 421.552†	-419.5	-0.00270 mg/L	0.000087	-0.00270 mg/L	0.000087	3.22%
Sr 460.733†	34.5	0.00499 mg/L	0.009340	0.00499 mg/L	0.009340	187.33%
Ti 334.940†	2.5	0.00028 mg/L	0.000171	0.00028 mg/L	0.000171	60.52%
Ti 336.121†	-4.4	-0.00059 mg/L	0.000574	-0.00059 mg/L	0.000574	97.76%
Ti 337.279†	-1.6	-0.00057 mg/L	0.000998	-0.00057 mg/L	0.000998	174.22%
Tl 190.801†	0.9	0.00140 mg/L	0.003512	0.00140 mg/L	0.003512	250.03%
Tl 276.787†	-1.0	-0.00027 mg/L	0.002819	-0.00027 mg/L	0.002819	>999.9%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	1.9	0.00214 mg/L	0.001422	0.00214 mg/L	0.001422	66.37%
V 309.310†	1.9	0.00115 mg/L	0.000299	0.00115 mg/L	0.000299	26.03%
V 310.230†	537.2	0.00394 mg/L	0.000516	0.00394 mg/L	0.000516	13.12%
Zn 202.548†	1.1	0.00638 mg/L	0.009581	0.00638 mg/L	0.009581	150.16%
Zn 206.200†	1.1	0.01315 mg/L	0.009939	0.01315 mg/L	0.009939	75.56%
Zn 213.857†	3.9	0.00952 mg/L	0.001566	0.00952 mg/L	0.001566	16.44%

All analytes passed QC.

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

Autosampler Location: 4
Date Collected: 9/12/01 11:55:38 AM

Sample Prep Volume:
Data Type: Original

Mean Data: Hi AQC

	Mean Corrected	Calib	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	129550.5						1256.86	0.97%
Y 360.073	3026991.7						31745.94	1.05%
Ag 328.068†	-205.4	-0.00122	mg/L	0.000385	-0.00122	mg/L	0.000385	31.52%
Ag 338.289†	117.7	0.00127	mg/L	0.000169	0.00127	mg/L	0.000169	13.23%
Al 308.215†	23308.4	97.33	mg/L	1.040	97.33	mg/L	1.040	1.07%
QC value within limits for Al 308.215 Recovery = 97.33%								
Al 394.401†	45196.1	96.76	mg/L	0.898	96.76	mg/L	0.898	0.93%
Al 396.153†	178352.0	97.33	mg/L	0.622	97.33	mg/L	0.622	0.64%
As 188.979†	0.3	0.1230	mg/L	0.37989	0.1230	mg/L	0.37989	308.92%
As 193.696†	-3.8	-0.00602	mg/L	0.004514	-0.00602	mg/L	0.004514	75.03%
As 197.197†	0.2	0.07507	mg/L	0.286244	0.07507	mg/L	0.286244	381.32%
B 208.889†	0.5	0.01823	mg/L	0.080843	0.01823	mg/L	0.080843	443.40%
B 249.677†	2.2	0.00983	mg/L	0.008169	0.00983	mg/L	0.008169	83.11%
B 249.772†	80.7	0.1714	mg/L	0.00352	0.1714	mg/L	0.00352	2.05%
Ba 233.527†	0.5	0.00085	mg/L	0.000690	0.00085	mg/L	0.000690	81.49%
Ba 455.403†	1.6	0.00003	mg/L	0.000004	0.00003	mg/L	0.000004	12.68%
Ba 493.408†	98.7	0.00094	mg/L	0.000371	0.00094	mg/L	0.000371	39.40%
Be 234.861†	-181025.1	-0.7268	mg/L	0.01637	-0.7268	mg/L	0.01637	2.25%
Be 313.042†	7.0	0.00031	mg/L	0.000085	0.00031	mg/L	0.000085	27.58%
Be 313.107†	7.0	0.00031	mg/L	0.000085	0.00031	mg/L	0.000085	27.58%
Ca 315.887†	110726.5	103.7	mg/L	0.46	103.7	mg/L	0.46	0.44%
QC value within limits for Ca 315.887 Recovery = 103.66%								
Ca 317.933†	85874.4	95.38	mg/L	0.558	95.38	mg/L	0.558	0.58%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	92.1	0.00299	mg/L	0.000079	0.00299	mg/L	0.000079	2.66%
Cd 228.802†	-0.4	-0.00074	mg/L	0.001634	-0.00074	mg/L	0.001634	220.80%
Ce 413.380†	25.5	0.02816	mg/L	0.003904	0.02816	mg/L	0.003904	13.86%
Ce 413.764†	-7.1	-0.00760	mg/L	0.001971	-0.00760	mg/L	0.001971	25.94%
Ce 418.660†	33.3	0.01699	mg/L	0.015895	0.01699	mg/L	0.015895	93.55%
Co 228.616†	-38.6	-0.00111	mg/L	0.000261	-0.00111	mg/L	0.000261	23.44%
Co 230.786†	-0.1	-0.00087	mg/L	0.003158	-0.00087	mg/L	0.003158	364.54%
Co 238.892†	-28.8	-0.1389	mg/L	0.02586	-0.1389	mg/L	0.02586	18.62%
Cr 205.560†	-1.2	-0.05717	mg/L	0.006983	-0.05717	mg/L	0.006983	12.22%
Cr 267.716†	-34.1	-0.00156	mg/L	0.000263	-0.00156	mg/L	0.000263	16.88%
Cr 283.563†	27.4	0.03071	mg/L	0.001127	0.03071	mg/L	0.001127	3.67%
Cu 224.700†	0.9	0.01143	mg/L	0.011063	0.01143	mg/L	0.011063	96.80%
Cu 324.752†	5.2	0.00147	mg/L	0.001056	0.00147	mg/L	0.001056	71.64%
Cu 327.393†	144.4	0.00261	mg/L	0.000166	0.00261	mg/L	0.000166	6.36%
Fe 238.204†	49865.5	93.89	mg/L	0.419	93.89	mg/L	0.419	0.45%
Fe 239.562†	39408.2	94.22	mg/L	0.916	94.22	mg/L	0.916	0.97%
Fe 259.939†	115072.8	93.78	mg/L	0.527	93.78	mg/L	0.527	0.56%
Fe 273.955†	19295.7	104.2	mg/L	1.06	104.2	mg/L	1.06	1.01%
QC value within limits for Fe 273.955 Recovery = 104.22%								
K 766.490†	47070.6	103.2	mg/L	0.72	103.2	mg/L	0.72	0.70%
QC value within limits for K 766.490 Recovery = 103.24%								
Li 610.362†	-209.8	-0.04055	mg/L	0.014466	-0.04055	mg/L	0.014466	35.68%
Li 670.784†	527.3	0.01306	mg/L	0.000620	0.01306	mg/L	0.000620	4.75%
Mg 279.077†	12438.9	59.52	mg/L	0.439	59.52	mg/L	0.439	0.74%
QC value within limits for Mg 279.077 Recovery = 99.21%								
Mg 280.271†	1861436.8	55.38	mg/L	0.354	55.38	mg/L	0.354	0.64%
Mg 285.213†	51267.7	55.44	mg/L	0.572	55.44	mg/L	0.572	1.03%
Mn 257.610†	18.4	0.00377	mg/L	0.000102	0.00377	mg/L	0.000102	2.71%
Mn 259.372†	840.7	0.00377	mg/L	0.000694	0.00377	mg/L	0.000694	18.44%
Mn 260.568†	2.6	0.00070	mg/L	0.000152	0.00070	mg/L	0.000152	21.75%
Mo 202.031†	-3.5	-0.1387	mg/L	0.03778	-0.1387	mg/L	0.03778	27.24%
Mo 203.845†	-0.3	-0.01706	mg/L	0.150844	-0.01706	mg/L	0.150844	884.23%
Mo 204.597†	12.9	0.00207	mg/L	0.000501	0.00207	mg/L	0.000501	24.16%
Na 588.995†	341809.7	94.92	mg/L	0.848	94.92	mg/L	0.848	0.89%
Na 589.592†	372843.4	97.33	mg/L	0.708	97.33	mg/L	0.708	0.73%
QC value within limits for Na 589.592 Recovery = 97.33%								
Ni 221.648†	0.5	0.01781	mg/L	0.011068	0.01781	mg/L	0.011068	62.13%
Ni 231.604†	28.4	0.00258	mg/L	0.000344	0.00258	mg/L	0.000344	13.32%
Ni 232.003†	-0.2	-0.00261	mg/L	0.019581	-0.00261	mg/L	0.019581	749.51%
Pb 217.000†	0.7	0.06875	mg/L	0.065517	0.06875	mg/L	0.065517	95.29%
Pb 220.353†	5.5	0.00242	mg/L	0.001042	0.00242	mg/L	0.001042	43.08%
Sb 206.836†	-1.6	-0.00090	mg/L	0.000679	-0.00090	mg/L	0.000679	75.85%
Sb 217.582†	-0.3	-0.05339	mg/L	0.037774	-0.05339	mg/L	0.037774	70.75%
Se 196.026†	-19.3	-0.02427	mg/L	0.002523	-0.02427	mg/L	0.002523	10.40%
Se 203.985†	7.3	0.01586	mg/L	0.001199	0.01586	mg/L	0.001199	7.56%

Sn 189.927†	-0.2	-0.00014 mg/L	0.001229	-0.00014 mg/L	0.001229	853.96%
Sn 235.485†	351.5	14.21 mg/L	0.255	14.21 mg/L	0.255	1.79%
Sr 407.771†	-33.0	-0.00032 mg/L	0.000208	-0.00032 mg/L	0.000208	65.01%
Sr 421.552†	41.6	0.00027 mg/L	0.000075	0.00027 mg/L	0.000075	28.06%
Sr 460.733†	13.1	0.00190 mg/L	0.013558	0.00190 mg/L	0.013558	713.39%
Ti 334.940†	6.5	0.00073 mg/L	0.000314	0.00073 mg/L	0.000314	42.79%
Ti 336.121†	2.4	0.00032 mg/L	0.000250	0.00032 mg/L	0.000250	78.64%
Ti 337.279†	3.4	0.00119 mg/L	0.000046	0.00119 mg/L	0.000046	3.87%
Tl 190.801†	3.3	0.00493 mg/L	0.007063	0.00493 mg/L	0.007063	143.18%
Tl 276.787†	9616.2	2.737 mg/L	0.0648	2.737 mg/L	0.0648	2.37%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-4.3	-0.00494 mg/L	0.001425	-0.00494 mg/L	0.001425	28.87%
V 309.310†	16.8	0.01024 mg/L	0.005003	0.01024 mg/L	0.005003	48.85%
V 310.230†	853.8	0.00626 mg/L	0.000431	0.00626 mg/L	0.000431	6.89%
Zn 202.548†	4.2	0.01984 mg/L	0.001693	0.01984 mg/L	0.001693	8.53%
Zn 206.200†	-1.3	-0.01575 mg/L	0.004385	-0.01575 mg/L	0.004385	27.84%
Zn 213.857†	19.5	0.03777 mg/L	0.005914	0.03777 mg/L	0.005914	15.66%

All analytes passed QC.

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Sequence No.: 15
Sample ID: Sample018
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 9/12/01 12:00:42 PM

Sample Prep Volume:
Data Type: Original

Mean Data: Sample018

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	132865.0						1613.44	1.21%
Y 360.073	3199366.6						45313.40	1.42%
Ag 328.068†	40.2	0.00024	mg/L	0.000097	0.00024	mg/L	0.000097	40.81%
Ag 338.289†	-22.5	-0.00024	mg/L	0.000316	-0.00024	mg/L	0.000316	129.82%
Al 308.215†	-11.3	-0.04704	mg/L	0.013157	-0.04704	mg/L	0.013157	27.97%
Al 394.401†	-18.4	-0.03950	mg/L	0.009609	-0.03950	mg/L	0.009609	24.33%
Al 396.153†	-85.8	-0.04585	mg/L	0.001621	-0.04585	mg/L	0.001621	3.54%
As 188.979†	-0.0	-0.00156	mg/L	0.096374	-0.00156	mg/L	0.096374	>999.9%
As 193.696†	1.3	0.00206	mg/L	0.002623	0.00206	mg/L	0.002623	127.48%
As 197.197†	0.1	0.06233	mg/L	0.234594	0.06233	mg/L	0.234594	376.37%
B 208.889†	0.8	0.03046	mg/L	0.110262	0.03046	mg/L	0.110262	361.97%
B 249.677†	-1.8	-0.00818	mg/L	0.014493	-0.00818	mg/L	0.014493	177.17%
B 249.772†	-5.4	-0.01137	mg/L	0.000998	-0.01137	mg/L	0.000998	8.78%
Ba 233.527†	0.0	0.00002	mg/L	0.001396	0.00002	mg/L	0.001396	>999.9%
Ba 455.403†	-32.2	-0.00057	mg/L	0.000089	-0.00057	mg/L	0.000089	15.62%
Ba 493.408†	42.7	0.00041	mg/L	0.000236	0.00041	mg/L	0.000236	57.98%
Be 234.861†	-40.0	-0.00016	mg/L	0.000032	-0.00016	mg/L	0.000032	20.25%
Be 313.042†	-0.0	0.00000	mg/L	0.000015	0.00000	mg/L	0.000015	810.27%
Be 313.107†	-0.0	0.00000	mg/L	0.000015	0.00000	mg/L	0.000015	810.27%
Ca 315.887†	-118.4	-0.1108	mg/L	0.00470	-0.1108	mg/L	0.00470	4.24%
Ca 317.933†	-86.7	-0.09629	mg/L	0.003958	-0.09629	mg/L	0.003958	4.11%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	4.5	0.00015	mg/L	0.000141	0.00015	mg/L	0.000141	96.45%
Cd 228.802†	0.1	0.00019	mg/L	0.000658	0.00019	mg/L	0.000658	346.04%
Ce 413.380†	2.5	0.00273	mg/L	0.005854	0.00273	mg/L	0.005854	214.82%
Ce 413.764†	-4.2	-0.00453	mg/L	0.004675	-0.00453	mg/L	0.004675	103.30%
Ce 418.660†	10.8	0.00548	mg/L	0.005154	0.00548	mg/L	0.005154	94.01%
Co 228.616†	34.3	0.00099	mg/L	0.000647	0.00099	mg/L	0.000647	65.56%
Co 230.786†	1.0	0.00624	mg/L	0.003246	0.00624	mg/L	0.003246	51.98%
Co 238.892†	-0.2	-0.00102	mg/L	0.001620	-0.00102	mg/L	0.001620	158.36%
Cr 205.560†	-0.4	-0.01962	mg/L	0.010502	-0.01962	mg/L	0.010502	53.52%
Cr 267.716†	-0.5	-0.00002	mg/L	0.000086	-0.00002	mg/L	0.000086	413.85%
Cr 283.563†	-1.5	-0.00164	mg/L	0.001394	-0.00164	mg/L	0.001394	84.92%
Cu 224.700†	-0.5	-0.00610	mg/L	0.013943	-0.00610	mg/L	0.013943	228.63%
Cu 324.752†	-6.8	-0.00193	mg/L	0.000294	-0.00193	mg/L	0.000294	15.22%
Cu 327.393†	-141.6	-0.00256	mg/L	0.000608	-0.00256	mg/L	0.000608	23.76%
Fe 238.204†	8.1	0.01524	mg/L	0.000538	0.01524	mg/L	0.000538	3.53%
Fe 239.562†	8.1	0.01927	mg/L	0.003382	0.01927	mg/L	0.003382	17.55%
Fe 259.939†	20.6	0.01683	mg/L	0.001288	0.01683	mg/L	0.001288	7.65%
Fe 273.955†	3.6	0.01960	mg/L	0.005991	0.01960	mg/L	0.005991	30.56%

K 766.490†	26.0	0.05695 mg/L	0.090305	0.05695 mg/L	0.090305	158.58%
Li 610.362†	101.4	0.01961 mg/L	0.018958	0.01961 mg/L	0.018958	96.70%
Li 670.784†	-294.9	-0.00730 mg/L	0.001400	-0.00730 mg/L	0.001400	19.17%
Mg 279.077†	0.2	0.00084 mg/L	0.022326	0.00084 mg/L	0.022326	>999.9%
Mg 280.271†	586.4	0.01745 mg/L	0.001157	0.01745 mg/L	0.001157	6.63%
Mg 285.213†	16.6	0.01799 mg/L	0.002854	0.01799 mg/L	0.002854	15.86%
Mn 257.610†	-4.3	-0.00089 mg/L	0.000157	-0.00089 mg/L	0.000157	17.67%
Mn 259.372†	-4.8	-0.00048 mg/L	0.000388	-0.00048 mg/L	0.000388	80.77%
Mn 260.568†	-4.7	-0.00125 mg/L	0.000334	-0.00125 mg/L	0.000334	26.78%
Mo 202.031†	-0.9	-0.03482 mg/L	0.027357	-0.03482 mg/L	0.027357	78.57%
Mo 203.845†	-0.9	-0.05741 mg/L	0.103265	-0.05741 mg/L	0.103265	179.88%
Mo 204.597†	6.7	0.00107 mg/L	0.000077	0.00107 mg/L	0.000077	7.22%
Na 588.995†	-874.6	-0.2429 mg/L	0.00963	-0.2429 mg/L	0.00963	3.96%
Na 589.592†	-1036.9	-0.2707 mg/L	0.01594	-0.2707 mg/L	0.01594	5.89%
Ni 221.648†	0.3	0.01046 mg/L	0.019013	0.01046 mg/L	0.019013	181.84%
Ni 231.604†	3.8	0.00035 mg/L	0.000037	0.00035 mg/L	0.000037	10.54%
Ni 232.003†	-0.7	-0.01062 mg/L	0.018209	-0.01062 mg/L	0.018209	171.40%
Pb 217.000†	-0.0	-0.00220 mg/L	0.031345	-0.00220 mg/L	0.031345	>999.9%
Pb 220.353†	-3.2	-0.00141 mg/L	0.001262	-0.00141 mg/L	0.001262	89.24%
Sb 206.836†	-0.2	-0.00013 mg/L	0.000483	-0.00013 mg/L	0.000483	378.66%
Sb 217.582†	-0.4	-0.06581 mg/L	0.067400	-0.06581 mg/L	0.067400	102.42%
Se 196.026†	1.7	0.00214 mg/L	0.003087	0.00214 mg/L	0.003087	144.10%
Se 203.985†	4.0	0.00864 mg/L	0.002294	0.00864 mg/L	0.002294	26.54%
Sn 189.927†	1.7	0.00161 mg/L	0.000682	0.00161 mg/L	0.000682	42.24%
Sn 235.485†	-1.2	-0.04888 mg/L	0.043424	-0.04888 mg/L	0.043424	88.83%
Sr 407.771†	-326.1	-0.00315 mg/L	0.000046	-0.00315 mg/L	0.000046	1.47%
Sr 421.552†	-458.8	-0.00296 mg/L	0.000030	-0.00296 mg/L	0.000030	1.00%
Sr 460.733†	57.1	0.00826 mg/L	0.006940	0.00826 mg/L	0.006940	83.98%
Ti 334.940†	0.7	0.00008 mg/L	0.000057	0.00008 mg/L	0.000057	74.51%
Ti 336.121†	-8.5	-0.00113 mg/L	0.000490	-0.00113 mg/L	0.000490	43.38%
Ti 337.279†	-1.2	-0.00041 mg/L	0.000952	-0.00041 mg/L	0.000952	232.07%
Tl 190.801†	0.2	0.00037 mg/L	0.001558	0.00037 mg/L	0.001558	425.07%
Tl 276.787†	-8.0	-0.00229 mg/L	0.001858	-0.00229 mg/L	0.001858	81.29%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	1.1	0.00128 mg/L	0.001924	0.00128 mg/L	0.001924	150.12%
V 309.310†	2.0	0.00120 mg/L	0.000965	0.00120 mg/L	0.000965	80.16%
V 310.230†	503.0	0.00369 mg/L	0.000582	0.00369 mg/L	0.000582	15.78%
Zn 202.548†	0.1	0.00078 mg/L	0.005062	0.00078 mg/L	0.005062	647.82%
Zn 206.200†	-0.0	-0.00011 mg/L	0.001609	-0.00011 mg/L	0.001609	>999.9%
Zn 213.857†	-0.8	-0.00201 mg/L	0.001237	-0.00201 mg/L	0.001237	61.59%

Sequence No.: 16
Sample ID: RLC
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 9/12/01 12:05:15 PM
Sample Prep Volume:
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	129063.3						2416.11	1.87%
Y 360.073	3114069.1						12810.15	0.41%
Ag 328.068†	350.2	0.00208	mg/L	0.000251	0.00208	mg/L	0.000251	12.07%
Ag 338.289†	214.0	0.00232	mg/L	0.000516	0.00232	mg/L	0.000516	22.30%
Al 308.215†	-4.3	-0.01794	mg/L	0.004192	-0.01794	mg/L	0.004192	23.37%
Al 394.401†	-2.6	-0.00546	mg/L	0.005386	-0.00546	mg/L	0.005386	98.55%
Al 396.153†	-18.0	-0.00720	mg/L	0.004580	-0.00720	mg/L	0.004580	63.58%
As 188.979†	0.2	0.06119	mg/L	0.692308	0.06119	mg/L	0.692308	>999.9%
As 193.696†	10.7	0.01681	mg/L	0.003372	0.01681	mg/L	0.003372	20.07%
As 197.197†	0.0	0.02423	mg/L	0.066030	0.02423	mg/L	0.066030	272.52%
B 208.889†	1.8	0.07044	mg/L	0.065946	0.07044	mg/L	0.065946	93.62%
B 249.677†	10.4	0.04666	mg/L	0.010803	0.04666	mg/L	0.010803	23.15%
B 249.772†	19.2	0.04082	mg/L	0.001725	0.04082	mg/L	0.001725	4.23%
Ba 233.527†	0.9	0.00143	mg/L	0.002089	0.00143	mg/L	0.002089	146.22%
Ba 455.403†	114.6	0.00204	mg/L	0.000091	0.00204	mg/L	0.000091	4.45%
Ba 493.408†	265.1	0.00253	mg/L	0.000087	0.00253	mg/L	0.000087	3.44%
Be 234.861†	214.9	0.00086	mg/L	0.000021	0.00086	mg/L	0.000021	2.49%
Be 313.042†	20.8	0.00092	mg/L	0.000106	0.00092	mg/L	0.000106	11.52%

Be 313.107†	20.8	0.00092 mg/L	0.000106	0.00092 mg/L	0.000106	11.52%
Ca 315.887†	-44.3	-0.04145 mg/L	0.007930	-0.04145 mg/L	0.007930	19.13%
Ca 317.933†	-19.8	-0.02195 mg/L	0.007419	-0.02195 mg/L	0.007419	33.81%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	31.6	0.00103 mg/L	0.000048	0.00103 mg/L	0.000048	4.72%
Cd 228.802†	-0.2	-0.00039 mg/L	0.000202	-0.00039 mg/L	0.000202	52.53%
Ce 413.380†	40.0	0.04420 mg/L	0.003303	0.04420 mg/L	0.003303	7.47%
Ce 413.764†	35.0	0.03756 mg/L	0.004451	0.03756 mg/L	0.004451	11.85%
Ce 418.660†	76.1	0.03879 mg/L	0.002364	0.03879 mg/L	0.002364	6.09%
Co 228.616†	65.6	0.00189 mg/L	0.000202	0.00189 mg/L	0.000202	10.71%
Co 230.786†	0.6	0.00380 mg/L	0.004525	0.00380 mg/L	0.004525	119.06%
Co 238.892†	0.5	0.00239 mg/L	0.003367	0.00239 mg/L	0.003367	141.03%
Cr 205.560†	0.2	0.00763 mg/L	0.012290	0.00763 mg/L	0.012290	161.00%
Cr 267.716†	64.3	0.00294 mg/L	0.000063	0.00294 mg/L	0.000063	2.14%
Cr 283.563†	2.8	0.00311 mg/L	0.003751	0.00311 mg/L	0.003751	120.76%
Cu 224.700†	1.6	0.01902 mg/L	0.004378	0.01902 mg/L	0.004378	23.01%
Cu 324.752†	11.8	0.00334 mg/L	0.000261	0.00334 mg/L	0.000261	7.82%
Cu 327.393†	169.2	0.00306 mg/L	0.000373	0.00306 mg/L	0.000373	12.19%
Fe 238.204†	11.6	0.02176 mg/L	0.000520	0.02176 mg/L	0.000520	2.39%
Fe 239.562†	9.5	0.02277 mg/L	0.000668	0.02277 mg/L	0.000668	2.93%
Fe 259.939†	27.3	0.02224 mg/L	0.000682	0.02224 mg/L	0.000682	3.07%
Fe 273.955†	5.1	0.02740 mg/L	0.001405	0.02740 mg/L	0.001405	5.13%
K 766.490†	439.6	0.9643 mg/L	0.03715	0.9643 mg/L	0.03715	3.85%
Li 610.362†	115.1	0.02226 mg/L	0.027791	0.02226 mg/L	0.027791	124.87%
Li 670.784†	1056.5	0.02617 mg/L	0.002026	0.02617 mg/L	0.002026	7.74%
Mg 279.077†	-4.1	-0.01959 mg/L	0.010290	-0.01959 mg/L	0.010290	52.52%
Mg 280.271†	34.9	0.00104 mg/L	0.000416	0.00104 mg/L	0.000416	40.05%
Mg 285.213†	1.2	0.00129 mg/L	0.000629	0.00129 mg/L	0.000629	48.73%
Mn 257.610†	7.1	0.00146 mg/L	0.000076	0.00146 mg/L	0.000076	5.24%
Mn 259.372†	14.9	0.00219 mg/L	0.000299	0.00219 mg/L	0.000299	13.68%
Mn 260.568†	7.5	0.00198 mg/L	0.000286	0.00198 mg/L	0.000286	14.43%
Mo 202.031†	-1.4	-0.05365 mg/L	0.031056	-0.05365 mg/L	0.031056	57.88%
Mo 203.845†	-0.5	-0.03437 mg/L	0.017277	-0.03437 mg/L	0.017277	50.27%
Mo 204.597†	23.4	0.00375 mg/L	0.000531	0.00375 mg/L	0.000531	14.15%
Na 588.995†	511.9	0.1422 mg/L	0.03800	0.1422 mg/L	0.03800	26.73%
Na 589.592†	601.0	0.1569 mg/L	0.00078	0.1569 mg/L	0.00078	0.50%
Ni 221.648†	-0.1	-0.00297 mg/L	0.012345	-0.00297 mg/L	0.012345	416.28%
Ni 231.604†	25.5	0.00231 mg/L	0.000496	0.00231 mg/L	0.000496	21.42%
Ni 232.003†	-0.6	-0.00998 mg/L	0.003082	-0.00998 mg/L	0.003082	30.87%
Pb 217.000†	0.6	0.05647 mg/L	0.080207	0.05647 mg/L	0.080207	142.03%
Pb 220.353†	23.6	0.01044 mg/L	0.000929	0.01044 mg/L	0.000929	8.90%
Sb 206.836†	7.6	0.00435 mg/L	0.001166	0.00435 mg/L	0.001166	26.83%
Sb 217.582†	-0.2	-0.03733 mg/L	0.177566	-0.03733 mg/L	0.177566	475.70%
Se 196.026†	29.4	0.03699 mg/L	0.002627	0.03699 mg/L	0.002627	7.10%
Se 203.985†	16.2	0.03499 mg/L	0.002323	0.03499 mg/L	0.002323	6.64%
Sn 189.927†	7.5	0.00692 mg/L	0.000855	0.00692 mg/L	0.000855	12.36%
Sn 235.485†	0.2	0.00814 mg/L	0.028610	0.00814 mg/L	0.028610	351.33%
Sr 407.771†	-193.3	-0.00187 mg/L	0.000045	-0.00187 mg/L	0.000045	2.43%
Sr 421.552†	-256.7	-0.00165 mg/L	0.000091	-0.00165 mg/L	0.000091	5.51%
Sr 460.733†	-35.8	-0.00517 mg/L	0.011513	-0.00517 mg/L	0.011513	222.57%
Ti 334.940†	20.6	0.00234 mg/L	0.000426	0.00234 mg/L	0.000426	18.21%
Ti 336.121†	7.2	0.00096 mg/L	0.000560	0.00096 mg/L	0.000560	58.50%
Ti 337.279†	2.5	0.00090 mg/L	0.000265	0.00090 mg/L	0.000265	29.60%
Tl 190.801†	6.8	0.01015 mg/L	0.002721	0.01015 mg/L	0.002721	26.82%
Tl 276.787†	18.6	0.00528 mg/L	0.004216	0.00528 mg/L	0.004216	79.78%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	7.4	0.00843 mg/L	0.002155	0.00843 mg/L	0.002155	25.55%
V 309.310†	9.6	0.00584 mg/L	0.000483	0.00584 mg/L	0.000483	8.26%
V 310.230†	1182.2	0.00866 mg/L	0.000854	0.00866 mg/L	0.000854	9.85%
Zn 202.548†	8.1	0.04546 mg/L	0.008051	0.04546 mg/L	0.008051	17.71%
Zn 206.200†	4.7	0.05533 mg/L	0.003773	0.05533 mg/L	0.003773	6.82%
Zn 213.857†	21.6	0.05209 mg/L	0.004004	0.05209 mg/L	0.004004	7.69%

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

Autosampler Location: 19
Date Collected: 9/12/01 12:09:44 PM

Sample Prep Volume:
Data Type: Original

Mean Data: SIC CoV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	132054.6						1861.11	1.41%
Y 360.073	3140148.2						44456.17	1.42%
Ag 328.068†	249.7	0.00148	mg/L	0.000057	0.00148	mg/L	0.000057	3.82%
Ag 338.289†	-44.5	-0.00048	mg/L	0.000308	-0.00048	mg/L	0.000308	63.89%
Al 308.215†	8.1	0.03401	mg/L	0.004516	0.03401	mg/L	0.004516	13.28%
Al 394.401†	30.6	0.06561	mg/L	0.004131	0.06561	mg/L	0.004131	6.30%
Al 396.153†	126.2	0.06991	mg/L	0.003199	0.06991	mg/L	0.003199	4.58%
As 188.979†	-0.7	-0.2837	mg/L	0.38602	-0.2837	mg/L	0.38602	136.07%
As 193.696†	-1.1	-0.00177	mg/L	0.002661	-0.00177	mg/L	0.002661	149.93%
As 197.197†	-0.0	-0.00319	mg/L	0.150160	-0.00319	mg/L	0.150160	>999.9%
B 208.889†	1.0	0.03755	mg/L	0.048487	0.03755	mg/L	0.048487	129.13%
B 249.677†	0.9	0.00393	mg/L	0.017122	0.00393	mg/L	0.017122	435.32%
B 249.772†	-3.0	-0.00628	mg/L	0.004296	-0.00628	mg/L	0.004296	68.45%
Ba 233.527†	-0.0	-0.00007	mg/L	0.000675	-0.00007	mg/L	0.000675	956.18%
Ba 455.403†	8.7	0.00015	mg/L	0.000115	0.00015	mg/L	0.000115	74.54%
Ba 493.408†	103.9	0.00099	mg/L	0.000672	0.00099	mg/L	0.000672	67.85%
Be 234.861†	-219.2	-0.00088	mg/L	0.000038	-0.00088	mg/L	0.000038	4.28%
Be 313.042†	11.4	0.00050	mg/L	0.000197	0.00050	mg/L	0.000197	39.12%
Be 313.107†	11.4	0.00050	mg/L	0.000197	0.00050	mg/L	0.000197	39.12%
Ca 315.887†	24.7	0.02313	mg/L	0.005981	0.02313	mg/L	0.005981	25.86%
Ca 317.933†	7.5	0.00835	mg/L	0.010580	0.00835	mg/L	0.010580	126.68%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-0.9	-0.00003	mg/L	0.000033	-0.00003	mg/L	0.000033	110.34%
Cd 228.802†	-0.4	-0.00071	mg/L	0.000814	-0.00071	mg/L	0.000814	114.48%
Ce 413.380†	15.4	0.01703	mg/L	0.003630	0.01703	mg/L	0.003630	21.31%
Ce 413.764†	-15.6	-0.01672	mg/L	0.012825	-0.01672	mg/L	0.012825	76.70%
Ce 418.660†	28.5	0.01455	mg/L	0.004733	0.01455	mg/L	0.004733	32.54%
Co 228.616†	342505.3	9.870	mg/L	0.2337	9.870	mg/L	0.2337	2.37%
Co 230.786†	1523.4	9.895	mg/L	0.1941	9.895	mg/L	0.1941	1.96%
Co 238.892†	2050.8	9.874	mg/L	0.1855	9.874	mg/L	0.1855	1.88%
Cr 205.560†	-0.4	-0.01622	mg/L	0.008688	-0.01622	mg/L	0.008688	53.57%
Cr 267.716†	-48.5	-0.00222	mg/L	0.000501	-0.00222	mg/L	0.000501	22.57%
Cr 283.563†	6.1	0.00686	mg/L	0.000398	0.00686	mg/L	0.000398	5.80%
Cu 224.700†	-0.6	-0.00717	mg/L	0.011191	-0.00717	mg/L	0.011191	156.15%
Cu 324.752†	-7.5	-0.00213	mg/L	0.001112	-0.00213	mg/L	0.001112	52.32%
Cu 327.393†	96.5	0.00175	mg/L	0.000537	0.00175	mg/L	0.000537	30.77%
Fe 238.204†	72.0	0.1355	mg/L	0.00299	0.1355	mg/L	0.00299	2.21%
Fe 239.562†	58.2	0.1392	mg/L	0.00370	0.1392	mg/L	0.00370	2.66%
Fe 259.939†	167.5	0.1365	mg/L	0.00441	0.1365	mg/L	0.00441	3.23%
Fe 273.955†	25.8	0.1394	mg/L	0.00920	0.1394	mg/L	0.00920	6.60%
K 766.490†	30.9	0.06781	mg/L	0.017886	0.06781	mg/L	0.017886	26.38%
Li 610.362†	-6.6	-0.00127	mg/L	0.015428	-0.00127	mg/L	0.015428	>999.9%
Li 670.784†	-120.8	-0.00299	mg/L	0.001856	-0.00299	mg/L	0.001856	62.02%
Mg 279.077†	18.2	0.08705	mg/L	0.024836	0.08705	mg/L	0.024836	28.53%
Mg 280.271†	3649.8	0.1086	mg/L	0.00250	0.1086	mg/L	0.00250	2.30%
Mg 285.213†	93.1	0.1006	mg/L	0.00455	0.1006	mg/L	0.00455	4.52%
Mn 257.610†	-1.7	-0.00036	mg/L	0.000132	-0.00036	mg/L	0.000132	37.01%
Mn 259.372†	-0.9	-0.00005	mg/L	0.000552	-0.00005	mg/L	0.000552	>999.9%
Mn 260.568†	-2.1	-0.00057	mg/L	0.000471	-0.00057	mg/L	0.000471	83.12%
Mo 202.031†	-1.1	-0.04563	mg/L	0.043196	-0.04563	mg/L	0.043196	94.67%
Mo 203.845†	-0.6	-0.03771	mg/L	0.108269	-0.03771	mg/L	0.108269	287.10%
Mo 204.597†	3.9	0.00063	mg/L	0.000536	0.00063	mg/L	0.000536	84.77%
Na 588.995†	-650.2	-0.1806	mg/L	0.01656	-0.1806	mg/L	0.01656	9.17%
Na 589.592†	-766.8	-0.2002	mg/L	0.00970	-0.2002	mg/L	0.00970	4.85%
Ni 221.648†	0.1	0.00197	mg/L	0.009455	0.00197	mg/L	0.009455	479.65%
Ni 231.604†	12.0	0.00109	mg/L	0.000535	0.00109	mg/L	0.000535	49.20%
Ni 232.003†	-0.9	-0.01473	mg/L	0.015068	-0.01473	mg/L	0.015068	102.28%
Pb 217.000†	0.8	0.08122	mg/L	0.033711	0.08122	mg/L	0.033711	41.50%
Pb 220.353†	-3.0	-0.00133	mg/L	0.001680	-0.00133	mg/L	0.001680	126.55%
Sb 206.836†	-11.3	-0.00649	mg/L	0.000424	-0.00649	mg/L	0.000424	6.53%
Sb 217.582†	-0.3	-0.05510	mg/L	0.088660	-0.05510	mg/L	0.088660	160.89%
Se 196.026†	0.6	0.00077	mg/L	0.001275	0.00077	mg/L	0.001275	164.69%
Se 203.985†	3.2	0.00700	mg/L	0.005710	0.00700	mg/L	0.005710	81.55%
Sn 189.927†	-0.3	-0.00027	mg/L	0.000881	-0.00027	mg/L	0.000881	331.07%
Sn 235.485†	-0.4	-0.01601	mg/L	0.107809	-0.01601	mg/L	0.107809	673.25%
Sr 407.771†	-306.3	-0.00296	mg/L	0.000039	-0.00296	mg/L	0.000039	1.32%

Sr 421.552†	-452.6	-0.00292 mg/L	0.000038	-0.00292 mg/L	0.000038	1.32%
Sr 460.733†	-19.6	-0.00283 mg/L	0.005946	-0.00283 mg/L	0.005946	209.88%
Ti 334.940†	21.5	0.00243 mg/L	0.000048	0.00243 mg/L	0.000048	1.96%
Ti 336.121†	7.7	0.00102 mg/L	0.000227	0.00102 mg/L	0.000227	22.21%
Ti 337.279†	2.9	0.00102 mg/L	0.000977	0.00102 mg/L	0.000977	96.03%
Tl 190.801†	-8.8	-0.01313 mg/L	0.001188	-0.01313 mg/L	0.001188	9.05%
Tl 276.787†	-106.3	-0.03024 mg/L	0.009503	-0.03024 mg/L	0.009503	31.43%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	8800.9	10.05 mg/L	0.037	10.05 mg/L	0.037	0.37%
V 309.310†	16371.5	9.977 mg/L	0.0133	9.977 mg/L	0.0133	0.13%
V 310.230†	1353176.8	9.917 mg/L	0.0335	9.917 mg/L	0.0335	0.34%
Zn 202.548†	1.3	0.00729 mg/L	0.001001	0.00729 mg/L	0.001001	13.73%
Zn 206.200†	0.9	0.01002 mg/L	0.000579	0.01002 mg/L	0.000579	5.78%
Zn 213.857†	3.6	0.00873 mg/L	0.002924	0.00873 mg/L	0.002924	33.48%

Sequence No.: 18 **Autosampler Location: 20**
Sample ID: SIC Ce **Date Collected: 9/12/01 12:14:14 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **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	131081.9						4044.64	3.09%
Y 360.073	3138896.4						62316.87	1.99%
Ag 328.068†	39.1	0.00023	mg/L	0.000215	0.00023	mg/L	0.000215	92.27%
Ag 338.289†	-100.2	-0.00108	mg/L	0.000762	-0.00108	mg/L	0.000762	70.27%
Al 308.215†	-18.3	-0.07644	mg/L	0.005365	-0.07644	mg/L	0.005365	7.02%
Al 394.401†	-67.2	-0.1438	mg/L	0.02487	-0.1438	mg/L	0.02487	17.29%
Al 396.153†	-103.9	0.1979	mg/L	0.01928	0.1979	mg/L	0.01928	9.74%
As 188.979†	-0.3	-0.1184	mg/L	0.09605	-0.1184	mg/L	0.09605	81.14%
As 193.696†	0.4	0.00064	mg/L	0.005005	0.00064	mg/L	0.005005	780.89%
As 197.197†	0.1	0.05548	mg/L	0.456836	0.05548	mg/L	0.456836	823.45%
B 208.889†	0.8	0.02950	mg/L	0.086061	0.02950	mg/L	0.086061	291.70%
B 249.677†	-0.1	-0.00059	mg/L	0.012518	-0.00059	mg/L	0.012518	>999.9%
B 249.772†	-4.5	-0.00956	mg/L	0.000404	-0.00956	mg/L	0.000404	4.23%
Ba 233.527†	-0.4	-0.00073	mg/L	0.000576	-0.00073	mg/L	0.000576	78.59%
Ba 455.403†	-1.8	-0.00003	mg/L	0.000405	-0.00003	mg/L	0.000405	>999.9%
Ba 493.408†	133.4	0.00127	mg/L	0.000164	0.00127	mg/L	0.000164	12.88%
Be 234.861†	-10.6	-0.00004	mg/L	0.000049	-0.00004	mg/L	0.000049	115.39%
Be 313.042†	-3.3	-0.00015	mg/L	0.000202	-0.00015	mg/L	0.000202	138.95%
Be 313.107†	-3.3	-0.00015	mg/L	0.000202	-0.00015	mg/L	0.000202	138.95%
Ca 315.887†	-92.6	-0.08668	mg/L	0.001772	-0.08668	mg/L	0.001772	2.04%
Ca 317.933†	-81.2	-0.09020	mg/L	0.011065	-0.09020	mg/L	0.011065	12.27%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-4.0	-0.00013	mg/L	0.000092	-0.00013	mg/L	0.000092	70.43%
Cd 228.802†	0.3	0.00059	mg/L	0.002143	0.00059	mg/L	0.002143	364.47%
Ce 413.380†	9134.6	10.10	mg/L	0.069	10.10	mg/L	0.069	0.68%
Ce 413.764†	9506.8	10.21	mg/L	0.002	10.21	mg/L	0.002	0.02%
Ce 418.660†	19882.4	10.13	mg/L	0.011	10.13	mg/L	0.011	0.11%
Co 228.616†	23.4	0.00067	mg/L	0.000241	0.00067	mg/L	0.000241	35.75%
Co 230.786†	0.3	0.00186	mg/L	0.004024	0.00186	mg/L	0.004024	216.01%
Co 238.892†	0.8	0.00381	mg/L	0.004632	0.00381	mg/L	0.004632	121.53%
Cr 205.560†	0.0	0.00020	mg/L	0.005640	0.00020	mg/L	0.005640	>999.9%
Cr 267.716†	5.7	0.00026	mg/L	0.000178	0.00026	mg/L	0.000178	68.20%
Cr 283.563†	-2.7	-0.00298	mg/L	0.000479	-0.00298	mg/L	0.000479	16.08%
Cu 224.700†	-0.1	-0.00098	mg/L	0.003607	-0.00098	mg/L	0.003607	367.17%
Cu 324.752†	-6.1	-0.00171	mg/L	0.000401	-0.00171	mg/L	0.000401	23.42%
Cu 327.393†	-74.7	-0.00135	mg/L	0.000483	-0.00135	mg/L	0.000483	35.78%
Fe 238.204†	-0.3	-0.00057	mg/L	0.001080	-0.00057	mg/L	0.001080	188.45%
Fe 239.562†	1.8	0.00437	mg/L	0.001931	0.00437	mg/L	0.001931	44.18%
Fe 259.939†	2.2	0.00182	mg/L	0.001787	0.00182	mg/L	0.001787	98.15%
Fe 273.955†	-0.1	-0.00061	mg/L	0.003790	-0.00061	mg/L	0.003790	620.55%
K 766.490†	-25.9	-0.05677	mg/L	0.068252	-0.05677	mg/L	0.068252	120.23%
Li 610.362†	24.2	0.00468	mg/L	0.020488	0.00468	mg/L	0.020488	438.13%
Li 670.784†	8.0	0.00020	mg/L	0.001252	0.00020	mg/L	0.001252	629.39%
Mg 279.077†	-9.0	-0.04321	mg/L	0.011762	-0.04321	mg/L	0.011762	27.22%

Mg 280.271†	-478.9	-0.01425 mg/L	0.000447	-0.01425 mg/L	0.000447	3.13%
Mg 285.213†	-13.1	-0.01419 mg/L	0.001010	-0.01419 mg/L	0.001010	7.11%
Mn 257.610†	-2.0	-0.00042 mg/L	0.000143	-0.00042 mg/L	0.000143	34.42%
Mn 259.372†	2.9	0.00061 mg/L	0.000006	0.00061 mg/L	0.000006	1.01%
Mn 260.568†	-2.2	-0.00058 mg/L	0.000101	-0.00058 mg/L	0.000101	17.40%
Mo 202.031†	-1.2	-0.04883 mg/L	0.004519	-0.04883 mg/L	0.004519	9.25%
Mo 203.845†	-0.1	-0.00481 mg/L	0.080525	-0.00481 mg/L	0.080525	>999.9%
Mo 204.597†	1.9	0.00030 mg/L	0.000214	0.00030 mg/L	0.000214	71.31%
Na 588.995†	-1166.5	-0.3239 mg/L	0.02039	-0.3239 mg/L	0.02039	6.29%
Na 589.592†	-1239.8	-0.3236 mg/L	0.01150	-0.3236 mg/L	0.01150	3.55%
Ni 221.648†	0.8	0.02811 mg/L	0.021689	0.02811 mg/L	0.021689	77.17%
Ni 231.604†	4.8	0.00044 mg/L	0.000251	0.00044 mg/L	0.000251	57.33%
Ni 232.003†	-0.0	-0.00024 mg/L	0.012302	-0.00024 mg/L	0.012302	>999.9%
Pb 217.000†	0.6	0.05786 mg/L	0.059746	0.05786 mg/L	0.059746	103.26%
Pb 220.353†	-2.4	-0.00107 mg/L	0.001235	-0.00107 mg/L	0.001235	115.90%
Sb 206.836†	-2.0	-0.00114 mg/L	0.001194	-0.00114 mg/L	0.001194	104.70%
Sb 217.582†	-0.8	-0.1362 mg/L	0.12726	-0.1362 mg/L	0.12726	93.45%
Se 196.026†	-1.0	-0.00121 mg/L	0.001461	-0.00121 mg/L	0.001461	120.63%
Se 203.985†	6.5	0.01400 mg/L	0.004755	0.01400 mg/L	0.004755	33.97%
Sn 189.927†	-1.0	-0.00093 mg/L	0.000613	-0.00093 mg/L	0.000613	65.57%
Sn 235.485†	-1.7	-0.06906 mg/L	0.020527	-0.06906 mg/L	0.020527	29.72%
Sr 407.771†	-401.7	-0.00388 mg/L	0.000033	-0.00388 mg/L	0.000033	0.84%
Sr 421.552†	-401.5	-0.00259 mg/L	0.000118	-0.00259 mg/L	0.000118	4.55%
Sr 460.733†	-791.3	-0.1144 mg/L	0.00462	-0.1144 mg/L	0.00462	4.04%
Ti 334.940†	3.4	0.00039 mg/L	0.000310	0.00039 mg/L	0.000310	80.28%
Ti 336.121†	-2.1	-0.00028 mg/L	0.000750	-0.00028 mg/L	0.000750	266.74%
Ti 337.279†	0.8	0.00029 mg/L	0.000676	0.00029 mg/L	0.000676	236.00%
Tl 190.801†	-0.1	-0.00020 mg/L	0.002569	-0.00020 mg/L	0.002569	>999.9%
Tl 276.787†	-8.7	-0.00248 mg/L	0.001572	-0.00248 mg/L	0.001572	63.29%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	3.8	0.00430 mg/L	0.001480	0.00430 mg/L	0.001480	34.41%
V 309.310†	2.1	0.00128 mg/L	0.001325	0.00128 mg/L	0.001325	103.47%
V 310.230†	187.4	0.00137 mg/L	0.000759	0.00137 mg/L	0.000759	55.26%
Zn 202.548†	0.4	0.00185 mg/L	0.002014	0.00185 mg/L	0.002014	108.77%
Zn 206.200†	0.5	0.00577 mg/L	0.006457	0.00577 mg/L	0.006457	111.91%
Zn 213.857†	1.8	0.00412 mg/L	0.001613	0.00412 mg/L	0.001613	39.19%

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

Autosampler Location: 21
Date Collected: 9/12/01 12:18:40 PM

Sample Prep Volume:
Data Type: Original

Mean Data: SIC Cr

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	128298.9						1204.50	0.94%
Y 360.073	3145416.3						31849.19	1.01%
Ag 328.068†	53.6	0.00032	mg/L	0.000236	0.00032	mg/L	0.000236	74.11%
Ag 338.289†	189.2	0.00205	mg/L	0.000533	0.00205	mg/L	0.000533	26.02%
Al 308.215†	-18.1	-0.07549	mg/L	0.003665	-0.07549	mg/L	0.003665	4.85%
Al 394.401†	-22.9	-0.04904	mg/L	0.004261	-0.04904	mg/L	0.004261	8.69%
Al 396.153†	-104.5	-0.05619	mg/L	0.000958	-0.05619	mg/L	0.000958	1.71%
As 188.979†	-0.6	-0.2310	mg/L	0.41431	-0.2310	mg/L	0.41431	179.38%
As 193.696†	-0.4	-0.00059	mg/L	0.001339	-0.00059	mg/L	0.001339	227.36%
As 197.197†	-0.1	-0.05846	mg/L	0.392594	-0.05846	mg/L	0.392594	671.53%
B 208.889†	1.1	0.04151	mg/L	0.064329	0.04151	mg/L	0.064329	154.99%
B 249.677†	-1.5	-0.00696	mg/L	0.003699	-0.00696	mg/L	0.003699	53.15%
B 249.772†	-1.5	-0.00319	mg/L	0.003202	-0.00319	mg/L	0.003202	100.45%
Ba 233.527†	-0.9	-0.00158	mg/L	0.000157	-0.00158	mg/L	0.000157	9.95%
Ba 455.403†	-9.9	-0.00018	mg/L	0.000037	-0.00018	mg/L	0.000037	21.28%
Ba 493.408†	49.1	0.00047	mg/L	0.000397	0.00047	mg/L	0.000397	84.82%
Be 234.861†	-18.5	-0.00007	mg/L	0.000020	-0.00007	mg/L	0.000020	26.24%
Be 313.042†	-1.7	-0.00007	mg/L	0.000046	-0.00007	mg/L	0.000046	61.94%
Be 313.107†	-1.7	-0.00007	mg/L	0.000046	-0.00007	mg/L	0.000046	61.94%
Ca 315.887†	-135.2	-0.1265	mg/L	0.00485	-0.1265	mg/L	0.00485	3.84%
Ca 317.933†	-93.8	-0.1042	mg/L	0.00295	-0.1042	mg/L	0.00295	2.83%
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	0.000032	-0.00004	mg/L	0.000032	71.82%
Cd 228.802†	-0.2	-0.00044	mg/L	0.000715	-0.00044	mg/L	0.000715	162.53%
Ce 413.380†	9.0	0.00995	mg/L	0.010283	0.00995	mg/L	0.010283	103.39%
Ce 413.764†	-7.4	-0.00791	mg/L	0.005765	-0.00791	mg/L	0.005765	72.88%
Ce 418.660†	5.2	0.00266	mg/L	0.007482	0.00266	mg/L	0.007482	281.35%
Co 228.616†	-111.6	-0.00321	mg/L	0.000085	-0.00321	mg/L	0.000085	2.65%
Co 230.786†	-0.1	-0.00064	mg/L	0.004703	-0.00064	mg/L	0.004703	730.14%
Co 238.892†	-0.2	-0.00107	mg/L	0.007388	-0.00107	mg/L	0.007388	687.65%
Cr 205.560†	218.7	10.04	mg/L	0.071	10.04	mg/L	0.071	0.70%
Cr 267.716†	218529.5	10.000	mg/L	0.1598	10.000	mg/L	0.1598	1.60%
Cr 283.563†	8925.7	9.990	mg/L	0.0746	9.990	mg/L	0.0746	0.75%
Cu 224.700†	-0.6	-0.00772	mg/L	0.015980	-0.00772	mg/L	0.015980	206.99%
Cu 324.752†	-5.8	-0.00164	mg/L	0.000366	-0.00164	mg/L	0.000366	22.31%
Cu 327.393†	-84.4	-0.00153	mg/L	0.000186	-0.00153	mg/L	0.000186	12.19%
Fe 238.204†	1.4	0.00255	mg/L	0.001771	0.00255	mg/L	0.001771	69.43%
Fe 239.562†	2.3	0.00539	mg/L	0.000740	0.00539	mg/L	0.000740	13.72%
Fe 259.939†	7.2	0.00590	mg/L	0.001446	0.00590	mg/L	0.001446	24.51%
Fe 273.955†	2.2	0.01167	mg/L	0.004828	0.01167	mg/L	0.004828	41.36%
K 766.490†	18.8	0.04124	mg/L	0.054121	0.04124	mg/L	0.054121	131.23%
Li 610.362†	16.5	0.00320	mg/L	0.016242	0.00320	mg/L	0.016242	507.85%
Li 670.784†	-15.8	-0.00039	mg/L	0.000382	-0.00039	mg/L	0.000382	97.69%
Mg 279.077†	-4.3	-0.02055	mg/L	0.023117	-0.02055	mg/L	0.023117	112.47%
Mg 280.271†	-574.7	-0.01710	mg/L	0.000455	-0.01710	mg/L	0.000455	2.66%
Mg 285.213†	-16.2	-0.01754	mg/L	0.001089	-0.01754	mg/L	0.001089	6.21%
Mn 257.610†	-2.2	-0.00046	mg/L	0.000275	-0.00046	mg/L	0.000275	60.03%
Mn 259.372†	-0.7	0.00005	mg/L	0.000469	0.00005	mg/L	0.000469	904.09%
Mn 260.568†	-4.0	-0.00106	mg/L	0.000624	-0.00106	mg/L	0.000624	58.78%
Mo 202.031†	-0.8	-0.03175	mg/L	0.031337	-0.03175	mg/L	0.031337	98.70%
Mo 203.845†	-0.5	-0.03530	mg/L	0.114033	-0.03530	mg/L	0.114033	323.00%
Mo 204.597†	-2.0	-0.00032	mg/L	0.000364	-0.00032	mg/L	0.000364	113.73%
Na 588.995†	-1188.4	-0.3300	mg/L	0.01070	-0.3300	mg/L	0.01070	3.24%
Na 589.592†	-1264.7	-0.3301	mg/L	0.01801	-0.3301	mg/L	0.01801	5.46%
Ni 221.648†	0.4	0.01444	mg/L	0.025503	0.01444	mg/L	0.025503	176.63%
Ni 231.604†	7.0	0.00064	mg/L	0.000029	0.00064	mg/L	0.000029	4.59%
Ni 232.003†	3.9	0.06242	mg/L	0.007166	0.06242	mg/L	0.007166	11.48%
Pb 217.000†	0.6	0.06433	mg/L	0.095840	0.06433	mg/L	0.095840	148.98%
Pb 220.353†	-2.1	-0.00092	mg/L	0.001511	-0.00092	mg/L	0.001511	164.74%
Sb 206.836†	81.2	0.04657	mg/L	0.000960	0.04657	mg/L	0.000960	2.06%
Sb 217.582†	-0.7	-0.1213	mg/L	0.10992	-0.1213	mg/L	0.10992	90.60%
Se 196.026†	5.2	0.00660	mg/L	0.003208	0.00660	mg/L	0.003208	48.60%
Se 203.985†	189.6	0.4101	mg/L	0.00741	0.4101	mg/L	0.00741	1.81%
Sn 189.927†	-1.0	-0.00096	mg/L	0.001192	-0.00096	mg/L	0.001192	124.68%
Sn 235.485†	-0.2	-0.01000	mg/L	0.029042	-0.01000	mg/L	0.029042	290.33%
Sr 407.771†	-286.5	-0.00277	mg/L	0.000050	-0.00277	mg/L	0.000050	1.79%
Sr 421.552†	-418.7	-0.00270	mg/L	0.000014	-0.00270	mg/L	0.000014	0.53%
Sr 460.733†	-86.8	-0.01255	mg/L	0.011486	-0.01255	mg/L	0.011486	91.50%
Ti 334.940†	24.2	0.00274	mg/L	0.000083	0.00274	mg/L	0.000083	3.05%
Ti 336.121†	-2.2	-0.00029	mg/L	0.000355	-0.00029	mg/L	0.000355	123.04%
Ti 337.279†	3.7	0.00131	mg/L	0.000355	0.00131	mg/L	0.000355	27.20%
Tl 190.801†	1.4	0.00206	mg/L	0.001637	0.00206	mg/L	0.001637	79.58%
Tl 276.787†	71.0	0.02019	mg/L	0.015777	0.02019	mg/L	0.015777	78.13%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	1.1	0.00126	mg/L	0.002132	0.00126	mg/L	0.002132	169.08%
V 309.310†	0.3	0.00019	mg/L	0.001848	0.00019	mg/L	0.001848	950.33%
V 310.230†	413.0	0.00303	mg/L	0.000644	0.00303	mg/L	0.000644	21.28%
Zn 202.548†	-1.8	-0.00987	mg/L	0.017353	-0.00987	mg/L	0.017353	175.83%
Zn 206.200†	4.7	0.05495	mg/L	0.007386	0.05495	mg/L	0.007386	13.44%
Zn 213.857†	-0.3	-0.00077	mg/L	0.002473	-0.00077	mg/L	0.002473	321.76%

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

Autosampler Location: 22
Date Collected: 9/12/01 12:23:11 PM
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	130578.4				2206.98	1.69%
Y 360.073	3121331.3				32031.71	1.03%
Ag 328.068†	-704.9	-0.00419 mg/L	0.000167	-0.00419 mg/L	0.000167	3.99%
Ag 338.289†	47.9	0.00052 mg/L	0.000494	0.00052 mg/L	0.000494	95.27%
Al 308.215†	-13.4	-0.05586 mg/L	0.008932	-0.05586 mg/L	0.008932	15.99%
Al 394.401†	-18.7	-0.04012 mg/L	0.002597	-0.04012 mg/L	0.002597	6.47%
Al 396.153†	-78.3	-0.03469 mg/L	0.004435	-0.03469 mg/L	0.004435	12.79%
As 188.979†	0.0	0.00309 mg/L	0.441853	0.00309 mg/L	0.441853	>999.9%
As 193.696†	-26.0	-0.04082 mg/L	0.000974	-0.04082 mg/L	0.000974	2.39%
As 197.197†	-0.2	-0.1179 mg/L	0.27862	-0.1179 mg/L	0.27862	236.24%
B 208.889†	0.1	0.00556 mg/L	0.039096	0.00556 mg/L	0.039096	703.26%
B 249.677†	-3.7	-0.01656 mg/L	0.015988	-0.01656 mg/L	0.015988	96.55%
B 249.772†	234.6	0.4981 mg/L	0.01763	0.4981 mg/L	0.01763	3.54%
Ba 233.527†	-0.4	-0.00073 mg/L	0.000972	-0.00073 mg/L	0.000972	133.42%
Ba 455.403†	-5.0	-0.00009 mg/L	0.000080	-0.00009 mg/L	0.000080	89.36%
Ba 493.408†	224.0	0.00213 mg/L	0.000104	0.00213 mg/L	0.000104	4.87%
Be 234.861†	-524081.2	-2.104 mg/L	0.0118	-2.104 mg/L	0.0118	0.56%
Be 313.042†	-3.5	-0.00016 mg/L	0.000078	-0.00016 mg/L	0.000078	50.22%
Be 313.107†	-3.5	-0.00016 mg/L	0.000078	-0.00016 mg/L	0.000078	50.22%
Ca 315.887†	-87.5	-0.08188 mg/L	0.008649	-0.08188 mg/L	0.008649	10.56%
Ca 317.933†	-57.8	-0.06425 mg/L	0.006801	-0.06425 mg/L	0.006801	10.58%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	257.8	0.00837 mg/L	0.001189	0.00837 mg/L	0.001189	14.20%
Cd 228.802†	0.5	0.00098 mg/L	0.000567	0.00098 mg/L	0.000567	57.57%
Ce 413.380†	71.1	0.07861 mg/L	0.019716	0.07861 mg/L	0.019716	25.08%
Ce 413.764†	7.6	0.00818 mg/L	0.002632	0.00818 mg/L	0.002632	32.18%
Ce 418.660†	83.0	0.04232 mg/L	0.025833	0.04232 mg/L	0.025833	61.05%
Co 228.616†	75.4	0.00217 mg/L	0.000493	0.00217 mg/L	0.000493	22.70%
Co 230.786†	0.2	0.00148 mg/L	0.010593	0.00148 mg/L	0.010593	716.23%
Co 238.892†	-81.7	-0.3934 mg/L	0.01435	-0.3934 mg/L	0.01435	3.65%
Cr 205.560†	-0.1	-0.00468 mg/L	0.035609	-0.00468 mg/L	0.035609	761.68%
Cr 267.716†	-18.2	-0.00083 mg/L	0.000070	-0.00083 mg/L	0.000070	8.42%
Cr 283.563†	85.4	0.09559 mg/L	0.004369	0.09559 mg/L	0.004369	4.57%
Cu 224.700†	1.0	0.01218 mg/L	0.006392	0.01218 mg/L	0.006392	52.48%
Cu 324.752†	-20.6	-0.00583 mg/L	0.000617	-0.00583 mg/L	0.000617	10.60%
Cu 327.393†	-171.3	-0.00310 mg/L	0.000705	-0.00310 mg/L	0.000705	22.75%
Fe 238.204†	150909.7	284.1 mg/L	0.88	284.1 mg/L	0.88	0.31%
Fe 239.562†	119780.3	286.4 mg/L	0.97	286.4 mg/L	0.97	0.34%
Fe 259.939†	350654.1	285.8 mg/L	1.17	285.8 mg/L	1.17	0.41%
Fe 273.955†	59710.1	322.5 mg/L	1.08	322.5 mg/L	1.08	0.33%
K 766.490†	36.4	0.07988 mg/L	0.059786	0.07988 mg/L	0.059786	74.84%
Li 610.362†	-18.7	-0.00361 mg/L	0.019008	-0.00361 mg/L	0.019008	526.78%
Li 670.784†	-63.2	-0.00157 mg/L	0.002212	-0.00157 mg/L	0.002212	141.31%
Mg 279.077†	7.4	0.03524 mg/L	0.021467	0.03524 mg/L	0.021467	60.91%
Mg 280.271†	-239.0	-0.00711 mg/L	0.000483	-0.00711 mg/L	0.000483	6.79%
Mg 285.213†	-9.7	-0.01047 mg/L	0.001242	-0.01047 mg/L	0.001242	11.86%
Mn 257.610†	52.6	0.01078 mg/L	0.001311	0.01078 mg/L	0.001311	12.16%
Mn 259.372†	2568.8	0.00552 mg/L	0.006490	0.00552 mg/L	0.006490	117.62%
Mn 260.568†	3.2	0.00085 mg/L	0.000648	0.00085 mg/L	0.000648	76.47%
Mo 202.031†	-1.2	-0.04765 mg/L	0.051214	-0.04765 mg/L	0.051214	107.48%
Mo 203.845†	-0.3	-0.02195 mg/L	0.137691	-0.02195 mg/L	0.137691	627.29%
Mo 204.597†	9.2	0.00147 mg/L	0.000800	0.00147 mg/L	0.000800	54.45%
Na 588.995†	-1153.4	-0.3203 mg/L	0.01561	-0.3203 mg/L	0.01561	4.87%
Na 589.592†	-1293.3	-0.3376 mg/L	0.02475	-0.3376 mg/L	0.02475	7.33%
Ni 221.648†	0.8	0.02641 mg/L	0.008943	0.02641 mg/L	0.008943	33.86%
Ni 231.604†	46.1	0.00419 mg/L	0.000275	0.00419 mg/L	0.000275	6.56%
Ni 232.003†	0.3	0.00485 mg/L	0.012494	0.00485 mg/L	0.012494	257.78%
Pb 217.000†	-1.0	-0.09639 mg/L	0.164703	-0.09639 mg/L	0.164703	170.88%
Pb 220.353†	20.8	0.00919 mg/L	0.003177	0.00919 mg/L	0.003177	34.59%
Sb 206.836†	12.5	0.00719 mg/L	0.010546	0.00719 mg/L	0.010546	146.67%
Sb 217.582†	-0.6	-0.1136 mg/L	0.09492	-0.1136 mg/L	0.09492	83.55%
Se 196.026†	-97.9	-0.1234 mg/L	0.00970	-0.1234 mg/L	0.00970	7.86%
Se 203.985†	0.3	0.00068 mg/L	0.008668	0.00068 mg/L	0.008668	>999.9%
Sn 189.927†	-0.3	-0.00027 mg/L	0.002506	-0.00027 mg/L	0.002506	913.95%
Sn 235.485†	1059.0	42.81 mg/L	0.928	42.81 mg/L	0.928	2.17%
Sr 407.771†	-314.6	-0.00304 mg/L	0.000053	-0.00304 mg/L	0.000053	1.74%
Sr 421.552†	-267.9	-0.00173 mg/L	0.000116	-0.00173 mg/L	0.000116	6.70%
Sr 460.733†	-44.2	-0.00640 mg/L	0.002475	-0.00640 mg/L	0.002475	38.68%
Ti 334.940†	4.9	0.00055 mg/L	0.000281	0.00055 mg/L	0.000281	50.68%
Ti 336.121†	-1.1	-0.00014 mg/L	0.000333	-0.00014 mg/L	0.000333	235.68%

Ti 337.279†	2.6	0.00094 mg/L	0.000521	0.00094 mg/L	0.000521	55.70%
Tl 190.801†	1.6	0.00236 mg/L	0.001307	0.00236 mg/L	0.001307	55.36%
Tl 276.787†	24656.5	7.017 mg/L	0.1022	7.017 mg/L	0.1022	1.46%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	4.0	0.00451 mg/L	0.001634	0.00451 mg/L	0.001634	36.22%
V 309.310†	1.5	0.00093 mg/L	0.001448	0.00093 mg/L	0.001448	155.22%
V 310.230†	661.7	0.00485 mg/L	0.000855	0.00485 mg/L	0.000855	17.64%
Zn 202.548†	1.4	-0.00391 mg/L	0.008996	-0.00391 mg/L	0.008996	230.03%
Zn 206.200†	0.6	0.00660 mg/L	0.006646	0.00660 mg/L	0.006646	100.68%
Zn 213.857†	12.2	0.00106 mg/L	0.001537	0.00106 mg/L	0.001537	145.35%

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

Autosampler Location: 23
Date Collected: 9/12/01 12:27:47 PM

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	127516.5						713.71	0.56%
Y 360.073	3126856.7						24611.66	0.79%
Ag 328.068†	52.8	0.00031	mg/L	0.000458	0.00031	mg/L	0.000458	145.95%
Ag 338.289†	-24.2	-0.00026	mg/L	0.000333	-0.00026	mg/L	0.000333	127.08%
Al 308.215†	-20.6	-0.08612	mg/L	0.010573	-0.08612	mg/L	0.010573	12.28%
Al 394.401†	-31.7	-0.06788	mg/L	0.002172	-0.06788	mg/L	0.002172	3.20%
Al 396.153†	-109.9	-0.05878	mg/L	0.002397	-0.05878	mg/L	0.002397	4.08%
As 188.979†	0.2	0.08907	mg/L	0.022668	0.08907	mg/L	0.022668	25.45%
As 193.696†	0.6	0.00099	mg/L	0.004197	0.00099	mg/L	0.004197	422.51%
As 197.197†	0.4	0.1891	mg/L	0.51778	0.1891	mg/L	0.51778	273.78%
B 208.889†	0.0	0.00117	mg/L	0.061795	0.00117	mg/L	0.061795	>999.9%
B 249.677†	-0.6	-0.00285	mg/L	0.004937	-0.00285	mg/L	0.004937	173.33%
B 249.772†	-3.5	-0.00735	mg/L	0.000272	-0.00735	mg/L	0.000272	3.71%
Ba 233.527†	-0.7	-0.00110	mg/L	0.000523	-0.00110	mg/L	0.000523	47.44%
Ba 455.403†	-15.4	-0.00027	mg/L	0.000095	-0.00027	mg/L	0.000095	34.66%
Ba 493.408†	52.0	0.00050	mg/L	0.000071	0.00050	mg/L	0.000071	14.39%
Be 234.861†	-3.6	-0.00001	mg/L	0.000047	-0.00001	mg/L	0.000047	326.31%
Be 313.042†	-9.5	-0.00042	mg/L	0.000060	-0.00042	mg/L	0.000060	14.34%
Be 313.107†	-9.5	-0.00042	mg/L	0.000060	-0.00042	mg/L	0.000060	14.34%
Ca 315.887†	-95.8	-0.08971	mg/L	0.006048	-0.08971	mg/L	0.006048	6.74%
Ca 317.933†	-74.3	-0.08250	mg/L	0.005647	-0.08250	mg/L	0.005647	6.84%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	0.2	0.00001	mg/L	0.000066	0.00001	mg/L	0.000066	>999.9%
Cd 228.802†	-0.8	-0.00150	mg/L	0.000550	-0.00150	mg/L	0.000550	36.58%
Ce 413.380†	3.1	0.00345	mg/L	0.005274	0.00345	mg/L	0.005274	152.78%
Ce 413.764†	3.0	0.00326	mg/L	0.008106	0.00326	mg/L	0.008106	248.64%
Ce 418.660†	31.9	0.01627	mg/L	0.003937	0.01627	mg/L	0.003937	24.20%
Co 228.616†	-3.9	-0.00011	mg/L	0.000315	-0.00011	mg/L	0.000315	278.02%
Co 230.786†	0.1	0.00060	mg/L	0.003968	0.00060	mg/L	0.003968	666.54%
Co 238.892†	-0.3	-0.00130	mg/L	0.001915	-0.00130	mg/L	0.001915	146.84%
Cr 205.560†	-0.3	-0.01269	mg/L	0.004553	-0.01269	mg/L	0.004553	35.89%
Cr 267.716†	10.3	0.00047	mg/L	0.000019	0.00047	mg/L	0.000019	3.98%
Cr 283.563†	0.3	0.00033	mg/L	0.000847	0.00033	mg/L	0.000847	257.47%
Cu 224.700†	-0.9	-0.01045	mg/L	0.005670	-0.01045	mg/L	0.005670	54.24%
Cu 324.752†	-3.3	-0.00092	mg/L	0.000918	-0.00092	mg/L	0.000918	99.53%
Cu 327.393†	-48.3	-0.00087	mg/L	0.000632	-0.00087	mg/L	0.000632	72.32%
Fe 238.204†	18.6	0.03506	mg/L	0.012169	0.03506	mg/L	0.012169	34.71%
Fe 239.562†	15.1	0.03606	mg/L	0.008599	0.03606	mg/L	0.008599	23.85%
Fe 259.939†	42.2	0.03437	mg/L	0.010516	0.03437	mg/L	0.010516	30.60%
Fe 273.955†	7.4	0.04010	mg/L	0.009974	0.04010	mg/L	0.009974	24.87%
K 766.490†	1.7	0.00382	mg/L	0.047971	0.00382	mg/L	0.047971	>999.9%
Li 610.362†	108.2	0.02091	mg/L	0.003374	0.02091	mg/L	0.003374	16.13%
Li 670.784†	-16.1	-0.00040	mg/L	0.001028	-0.00040	mg/L	0.001028	257.82%
Mg 279.077†	-2.3	-0.01124	mg/L	0.017909	-0.01124	mg/L	0.017909	159.40%
Mg 280.271†	-387.3	-0.01152	mg/L	0.000303	-0.01152	mg/L	0.000303	2.63%
Mg 285.213†	-11.8	-0.01272	mg/L	0.000924	-0.01272	mg/L	0.000924	7.26%
Mn 257.610†	59786.6	12.25	mg/L	0.047	12.25	mg/L	0.047	0.38%
Mn 259.372†	93109.6	12.23	mg/L	0.065	12.23	mg/L	0.065	0.53%

Mn 260.568†	46583.5	12.28 mg/L	0.047	12.28 mg/L	0.047	0.39%
Mo 202.031†	-0.9	-0.03507 mg/L	0.026281	-0.03507 mg/L	0.026281	74.94%
Mo 203.845†	-0.5	-0.03352 mg/L	0.023667	-0.03352 mg/L	0.023667	70.60%
Mo 204.597†	-0.0	-0.00001 mg/L	0.000323	-0.00001 mg/L	0.000323	>999.9%
Na 588.995†	-1218.9	-0.3385 mg/L	0.00958	-0.3385 mg/L	0.00958	2.83%
Na 589.592†	-1310.7	-0.3421 mg/L	0.01573	-0.3421 mg/L	0.01573	4.60%
Ni 221.648†	0.4	0.01222 mg/L	0.013596	0.01222 mg/L	0.013596	111.25%
Ni 231.604†	3.1	0.00028 mg/L	0.000330	0.00028 mg/L	0.000330	118.21%
Ni 232.003†	0.0	0.00058 mg/L	0.004261	0.00058 mg/L	0.004261	735.49%
Pb 217.000†	-0.2	-0.02144 mg/L	0.055727	-0.02144 mg/L	0.055727	259.88%
Pb 220.353†	1.8	0.00082 mg/L	0.000741	0.00082 mg/L	0.000741	90.56%
Sb 206.836†	-2.1	-0.00121 mg/L	0.000323	-0.00121 mg/L	0.000323	26.70%
Sb 217.582†	-0.3	-0.05226 mg/L	0.147514	-0.05226 mg/L	0.147514	282.29%
Se 196.026†	4.9	0.00614 mg/L	0.003479	0.00614 mg/L	0.003479	56.63%
Se 203.985†	-4.6	-0.01000 mg/L	0.004709	-0.01000 mg/L	0.004709	47.09%
Sn 189.927†	-0.3	-0.00031 mg/L	0.000812	-0.00031 mg/L	0.000812	264.15%
Sn 235.485†	-0.4	-0.01734 mg/L	0.048345	-0.01734 mg/L	0.048345	278.82%
Sr 407.771†	-278.4	-0.00269 mg/L	0.000029	-0.00269 mg/L	0.000029	1.09%
Sr 421.552†	-399.6	-0.00257 mg/L	0.000041	-0.00257 mg/L	0.000041	1.58%
Sr 460.733†	-0.5	-0.00007 mg/L	0.008864	-0.00007 mg/L	0.008864	>999.9%
Ti 334.940†	2.8	0.00032 mg/L	0.000226	0.00032 mg/L	0.000226	71.78%
Ti 336.121†	-3.6	-0.00048 mg/L	0.000072	-0.00048 mg/L	0.000072	14.82%
Ti 337.279†	1.9	0.00069 mg/L	0.000265	0.00069 mg/L	0.000265	38.61%
Tl 190.801†	-4.9	-0.00732 mg/L	0.005575	-0.00732 mg/L	0.005575	76.16%
Tl 276.787†	-111.0	-0.03158 mg/L	0.004234	-0.03158 mg/L	0.004234	13.41%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	2.1	0.00241 mg/L	0.001317	0.00241 mg/L	0.001317	54.66%
V 309.310†	-1.5	-0.00092 mg/L	0.000908	-0.00092 mg/L	0.000908	98.36%
V 310.230†	403.4	0.00296 mg/L	0.000579	0.00296 mg/L	0.000579	19.59%
Zn 202.548†	0.9	0.00494 mg/L	0.007073	0.00494 mg/L	0.007073	143.06%
Zn 206.200†	-0.1	-0.00140 mg/L	0.001832	-0.00140 mg/L	0.001832	130.88%
Zn 213.857†	1.1	0.00267 mg/L	0.002749	0.00267 mg/L	0.002749	103.13%

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

Autosampler Location: 24
Date Collected: 9/12/01 12:32:42 PM

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	131221.6						2797.60	2.13%
Y 360.073	3145122.0						57369.96	1.82%
Ag 328.068†	-68.1	-0.00040	mg/L	0.000446	-0.00040	mg/L	0.000446	110.30%
Ag 338.289†	-48.2	-0.00052	mg/L	0.000662	-0.00052	mg/L	0.000662	127.05%
Al 308.215†	-4.3	-0.01785	mg/L	0.004274	-0.01785	mg/L	0.004274	23.95%
Al 394.401†	-26.5	-0.05672	mg/L	0.006119	-0.05672	mg/L	0.006119	10.79%
Al 396.153†	505.7	-0.04425	mg/L	0.004762	-0.04425	mg/L	0.004762	10.76%
As 188.979†	-1.0	-0.3823	mg/L	0.20355	-0.3823	mg/L	0.20355	53.25%
As 193.696†	-0.3	-0.00049	mg/L	0.001501	-0.00049	mg/L	0.001501	306.02%
As 197.197†	0.3	0.1420	mg/L	0.21439	0.1420	mg/L	0.21439	151.01%
B 208.889†	0.5	0.01861	mg/L	0.073571	0.01861	mg/L	0.073571	395.43%
B 249.677†	-0.8	-0.00381	mg/L	0.009405	-0.00381	mg/L	0.009405	246.55%
B 249.772†	-2.0	-0.00423	mg/L	0.006040	-0.00423	mg/L	0.006040	142.80%
Ba 233.527†	-0.7	-0.00124	mg/L	0.000893	-0.00124	mg/L	0.000893	71.99%
Ba 455.403†	-8.5	-0.00015	mg/L	0.000142	-0.00015	mg/L	0.000142	94.53%
Ba 493.408†	38.8	0.00037	mg/L	0.000383	0.00037	mg/L	0.000383	103.50%
Be 234.861†	127.2	0.00051	mg/L	0.000041	0.00051	mg/L	0.000041	8.05%
Be 313.042†	-3.1	-0.00014	mg/L	0.000108	-0.00014	mg/L	0.000108	78.56%
Be 313.107†	-3.1	-0.00014	mg/L	0.000108	-0.00014	mg/L	0.000108	78.56%
Ca 315.887†	-121.0	-0.1133	mg/L	0.00372	-0.1133	mg/L	0.00372	3.28%
Ca 317.933†	-98.7	-0.1097	mg/L	0.00482	-0.1097	mg/L	0.00482	4.40%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-0.2	-0.00001	mg/L	0.000100	-0.00001	mg/L	0.000100	>999.9%
Cd 228.802†	-0.7	-0.00131	mg/L	0.001017	-0.00131	mg/L	0.001017	77.57%
Ce 413.380†	12.7	0.01404	mg/L	0.008146	0.01404	mg/L	0.008146	58.01%
Ce 413.764†	-14.4	-0.01543	mg/L	0.011420	-0.01543	mg/L	0.011420	74.02%

Ce 418.660†	-2.5	-0.00129	mg/L	0.006361	-0.00129	mg/L	0.006361	492.15%
Co 228.616†	130.1	0.00375	mg/L	0.000251	0.00375	mg/L	0.000251	6.70%
Co 230.786†	-0.2	-0.00138	mg/L	0.003052	-0.00138	mg/L	0.003052	220.40%
Co 238.892†	-0.4	-0.00187	mg/L	0.007031	-0.00187	mg/L	0.007031	376.15%
Cr 205.560†	-0.5	-0.02226	mg/L	0.031839	-0.02226	mg/L	0.031839	143.04%
Cr 267.716†	7.1	0.00033	mg/L	0.000143	0.00033	mg/L	0.000143	43.90%
Cr 283.563†	2.6	0.00296	mg/L	0.001995	0.00296	mg/L	0.001995	67.41%
Cu 224.700†	-1.3	-0.01596	mg/L	0.010911	-0.01596	mg/L	0.010911	68.35%
Cu 324.752†	1.8	0.00052	mg/L	0.001263	0.00052	mg/L	0.001263	242.45%
Cu 327.393†	-21.2	-0.00038	mg/L	0.000442	-0.00038	mg/L	0.000442	115.60%
Fe 238.204†	4.8	0.00898	mg/L	0.001397	0.00898	mg/L	0.001397	15.55%
Fe 239.562†	5.8	0.01398	mg/L	0.002334	0.01398	mg/L	0.002334	16.70%
Fe 259.939†	13.1	0.01064	mg/L	0.002744	0.01064	mg/L	0.002744	25.78%
Fe 273.955†	2.4	0.01312	mg/L	0.006797	0.01312	mg/L	0.006797	51.82%
K 766.490†	-42.8	-0.09394	mg/L	0.037605	-0.09394	mg/L	0.037605	40.03%
Li 610.362†	16.5	0.00318	mg/L	0.015836	0.00318	mg/L	0.015836	497.90%
Li 670.784†	-101.9	-0.00252	mg/L	0.002490	-0.00252	mg/L	0.002490	98.69%
Mg 279.077†	-7.5	-0.03592	mg/L	0.025498	-0.03592	mg/L	0.025498	70.99%
Mg 280.271†	-610.3	-0.01816	mg/L	0.000295	-0.01816	mg/L	0.000295	1.63%
Mg 285.213†	-16.4	-0.01772	mg/L	0.000918	-0.01772	mg/L	0.000918	5.18%
Mn 257.610†	6.1	0.00124	mg/L	0.000298	0.00124	mg/L	0.000298	24.00%
Mn 259.372†	382.3	0.00197	mg/L	0.000750	0.00197	mg/L	0.000750	38.13%
Mn 260.568†	1.1	0.00029	mg/L	0.000337	0.00029	mg/L	0.000337	114.40%
Mo 202.031†	253.8	10.07	mg/L	0.210	10.07	mg/L	0.210	2.08%
Mo 203.845†	154.7	10.16	mg/L	0.187	10.16	mg/L	0.187	1.84%
Mo 204.597†	64000.8	10.27	mg/L	0.080	10.27	mg/L	0.080	0.78%
Na 588.995†	-1332.3	-0.3700	mg/L	0.02002	-0.3700	mg/L	0.02002	5.41%
Na 589.592†	-1317.6	-0.3439	mg/L	0.00248	-0.3439	mg/L	0.00248	0.72%
Ni 221.648†	-0.0	-0.00094	mg/L	0.026185	-0.00094	mg/L	0.026185	>999.9%
Ni 231.604†	-15.4	-0.00140	mg/L	0.000336	-0.00140	mg/L	0.000336	23.94%
Ni 232.003†	0.3	0.00445	mg/L	0.007672	0.00445	mg/L	0.007672	172.27%
Pb 217.000†	0.5	0.05534	mg/L	0.073489	0.05534	mg/L	0.073489	132.79%
Pb 220.353†	-9.5	-0.00419	mg/L	0.001446	-0.00419	mg/L	0.001446	34.49%
Sb 206.836†	22.0	0.01263	mg/L	0.001378	0.01263	mg/L	0.001378	10.91%
Sb 217.582†	-0.4	-0.07489	mg/L	0.109196	-0.07489	mg/L	0.109196	145.81%
Se 196.026†	3.8	0.00480	mg/L	0.001742	0.00480	mg/L	0.001742	36.32%
Se 203.985†	2.4	0.00509	mg/L	0.001926	0.00509	mg/L	0.001926	37.86%
Sn 189.927†	0.4	0.00041	mg/L	0.000402	0.00041	mg/L	0.000402	98.13%
Sn 235.485†	-1.8	-0.07157	mg/L	0.061182	-0.07157	mg/L	0.061182	85.49%
Sr 407.771†	-280.2	-0.00271	mg/L	0.000010	-0.00271	mg/L	0.000010	0.35%
Sr 421.552†	-409.3	-0.00264	mg/L	0.000090	-0.00264	mg/L	0.000090	3.42%
Sr 460.733†	-63.6	-0.00919	mg/L	0.015935	-0.00919	mg/L	0.015935	173.35%
Ti 334.940†	5.3	0.00060	mg/L	0.000177	0.00060	mg/L	0.000177	29.66%
Ti 336.121†	3.1	0.00041	mg/L	0.000256	0.00041	mg/L	0.000256	61.94%
Ti 337.279†	-0.2	-0.00006	mg/L	0.001268	-0.00006	mg/L	0.001268	>999.9%
Tl 190.801†	5.0	0.00747	mg/L	0.000450	0.00747	mg/L	0.000450	6.03%
Tl 276.787†	-22.0	-0.00627	mg/L	0.002249	-0.00627	mg/L	0.002249	35.87%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	21.4	0.02445	mg/L	0.004365	0.02445	mg/L	0.004365	17.85%
V 309.310†	1.3	0.00079	mg/L	0.001002	0.00079	mg/L	0.001002	127.64%
V 310.230†	11.3	0.00008	mg/L	0.000932	0.00008	mg/L	0.000932	>999.9%
Zn 202.548†	-2.3	-0.01259	mg/L	0.003740	-0.01259	mg/L	0.003740	29.70%
Zn 206.200†	0.7	0.00793	mg/L	0.004954	0.00793	mg/L	0.004954	62.44%
Zn 213.857†	-0.4	-0.00063	mg/L	0.003809	-0.00063	mg/L	0.003809	603.76%

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

Autosampler Location: 25
Date Collected: 9/12/01 12:37:39 PM
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	131417.9						1644.03	1.25%
Y 360.073	3175113.8						25534.58	0.80%
Ag 328.068†	22.8	0.00014	mg/L	0.000274	0.00014	mg/L	0.000274	202.19%
Ag 338.289†	23.0	0.00025	mg/L	0.001061	0.00025	mg/L	0.001061	426.82%

Al 308.215†	-13.6	-0.05659 mg/L	0.005866	-0.05659 mg/L	0.005866	10.37%
Al 394.401†	-24.8	-0.05313 mg/L	0.003960	-0.05313 mg/L	0.003960	7.45%
Al 396.153†	-105.5	-0.05705 mg/L	0.002863	-0.05705 mg/L	0.002863	5.02%
As 188.979†	0.0	0.01473 mg/L	0.475212	0.01473 mg/L	0.475212	>999.9%
As 193.696†	1.0	0.00163 mg/L	0.002660	0.00163 mg/L	0.002660	162.96%
As 197.197†	-0.2	-0.08252 mg/L	0.200085	-0.08252 mg/L	0.200085	242.47%
B 208.889†	1.1	0.04231 mg/L	0.027496	0.04231 mg/L	0.027496	64.99%
B 249.677†	-0.7	-0.00321 mg/L	0.005021	-0.00321 mg/L	0.005021	156.19%
B 249.772†	-2.8	-0.00595 mg/L	0.001408	-0.00595 mg/L	0.001408	23.68%
Ba 233.527†	-0.7	-0.00118 mg/L	0.000533	-0.00118 mg/L	0.000533	45.19%
Ba 455.403†	-16.8	-0.00030 mg/L	0.000066	-0.00030 mg/L	0.000066	22.09%
Ba 493.408†	51.4	0.00049 mg/L	0.000891	0.00049 mg/L	0.000891	181.71%
Be 234.861†	-18.6	-0.00007 mg/L	0.000049	-0.00007 mg/L	0.000049	65.81%
Be 313.042†	-1.4	-0.00006 mg/L	0.000152	-0.00006 mg/L	0.000152	248.97%
Be 313.107†	-1.4	-0.00006 mg/L	0.000152	-0.00006 mg/L	0.000152	248.97%
Ca 315.887†	-130.7	-0.1223 mg/L	0.00408	-0.1223 mg/L	0.00408	3.33%
Ca 317.933†	-101.8	-0.1131 mg/L	0.00340	-0.1131 mg/L	0.00340	3.00%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	142.5	0.00463 mg/L	0.000185	0.00463 mg/L	0.000185	4.00%
Cd 228.802†	0.6	0.00107 mg/L	0.000947	0.00107 mg/L	0.000947	88.50%
Ce 413.380†	16.0	0.01766 mg/L	0.006067	0.01766 mg/L	0.006067	34.36%
Ce 413.764†	1.3	0.00138 mg/L	0.002043	0.00138 mg/L	0.002043	147.81%
Ce 418.660†	11.9	0.00606 mg/L	0.005968	0.00606 mg/L	0.005968	98.50%
Co 228.616†	-30.3	-0.00087 mg/L	0.000263	-0.00087 mg/L	0.000263	30.11%
Co 230.786†	-0.3	-0.00220 mg/L	0.003767	-0.00220 mg/L	0.003767	171.42%
Co 238.892†	0.1	0.00041 mg/L	0.005275	0.00041 mg/L	0.005275	>999.9%
Cr 205.560†	-0.3	-0.01269 mg/L	0.032260	-0.01269 mg/L	0.032260	254.17%
Cr 267.716†	1.1	0.00005 mg/L	0.000167	0.00005 mg/L	0.000167	333.09%
Cr 283.563†	-0.9	-0.00103 mg/L	0.000640	-0.00103 mg/L	0.000640	62.32%
Cu 224.700†	0.1	0.00144 mg/L	0.016789	0.00144 mg/L	0.016789	>999.9%
Cu 324.752†	-4.0	-0.00113 mg/L	0.001025	-0.00113 mg/L	0.001025	90.40%
Cu 327.393†	11.7	0.00021 mg/L	0.000400	0.00021 mg/L	0.000400	188.59%
Fe 238.204†	0.9	0.00162 mg/L	0.002575	0.00162 mg/L	0.002575	158.63%
Fe 239.562†	1.5	0.00367 mg/L	0.001458	0.00367 mg/L	0.001458	39.78%
Fe 259.939†	2.3	0.00185 mg/L	0.001272	0.00185 mg/L	0.001272	68.62%
Fe 273.955†	0.5	0.00259 mg/L	0.008679	0.00259 mg/L	0.008679	334.77%
K 766.490†	-93.3	-0.2047 mg/L	0.03134	-0.2047 mg/L	0.03134	15.31%
Li 610.362†	16.5	0.00319 mg/L	0.009677	0.00319 mg/L	0.009677	303.75%
Li 670.784†	-134.0	-0.00332 mg/L	0.002603	-0.00332 mg/L	0.002603	78.40%
Mg 279.077†	-6.8	-0.03255 mg/L	0.016911	-0.03255 mg/L	0.016911	51.95%
Mg 280.271†	-633.4	-0.01885 mg/L	0.000183	-0.01885 mg/L	0.000183	0.97%
Mg 285.213†	-17.2	-0.01865 mg/L	0.000235	-0.01865 mg/L	0.000235	1.26%
Mn 257.610†	-1.5	-0.00031 mg/L	0.000127	-0.00031 mg/L	0.000127	40.62%
Mn 259.372†	5.1	0.00046 mg/L	0.000204	0.00046 mg/L	0.000204	44.64%
Mn 260.568†	-0.3	-0.00009 mg/L	0.000060	-0.00009 mg/L	0.000060	67.45%
Mo 202.031†	0.1	0.00289 mg/L	0.096771	0.00289 mg/L	0.096771	>999.9%
Mo 203.845†	1.0	0.06809 mg/L	0.080209	0.06809 mg/L	0.080209	117.80%
Mo 204.597†	43.3	0.00695 mg/L	0.001224	0.00695 mg/L	0.001224	17.61%
Na 588.995†	-1359.9	-0.3777 mg/L	0.01294	-0.3777 mg/L	0.01294	3.43%
Na 589.592†	-1507.2	-0.3934 mg/L	0.02187	-0.3934 mg/L	0.02187	5.56%
Ni 221.648†	283.5	9.810 mg/L	0.0634	9.810 mg/L	0.0634	0.65%
Ni 231.604†	108044.8	9.820 mg/L	0.0800	9.820 mg/L	0.0800	0.81%
Ni 232.003†	621.7	9.958 mg/L	0.1250	9.958 mg/L	0.1250	1.26%
Pb 217.000†	0.1	0.01306 mg/L	0.053738	0.01306 mg/L	0.053738	411.61%
Pb 220.353†	-3.1	-0.00137 mg/L	0.000453	-0.00137 mg/L	0.000453	32.97%
Sb 206.836†	-3.8	-0.00218 mg/L	0.002573	-0.00218 mg/L	0.002573	117.98%
Sb 217.582†	-0.1	-0.02534 mg/L	0.128959	-0.02534 mg/L	0.128959	508.90%
Se 196.026†	0.8	0.00104 mg/L	0.001793	0.00104 mg/L	0.001793	171.63%
Se 203.985†	4.5	0.00977 mg/L	0.003625	0.00977 mg/L	0.003625	37.10%
Sn 189.927†	-1.3	-0.00123 mg/L	0.000452	-0.00123 mg/L	0.000452	36.86%
Sn 235.485†	-1.6	-0.06279 mg/L	0.073415	-0.06279 mg/L	0.073415	116.93%
Sr 407.771†	-283.4	-0.00274 mg/L	0.000049	-0.00274 mg/L	0.000049	1.79%
Sr 421.552†	-407.3	-0.00262 mg/L	0.000015	-0.00262 mg/L	0.000015	0.58%
Sr 460.733†	-6.6	-0.00096 mg/L	0.016851	-0.00096 mg/L	0.016851	>999.9%
Ti 334.940†	-1.7	-0.00019 mg/L	0.000381	-0.00019 mg/L	0.000381	202.06%
Ti 336.121†	-4.0	-0.00054 mg/L	0.000138	-0.00054 mg/L	0.000138	25.75%
Ti 337.279†	-3.3	-0.00115 mg/L	0.000586	-0.00115 mg/L	0.000586	50.77%
Tl 190.801†	-0.5	-0.00068 mg/L	0.000719	-0.00068 mg/L	0.000719	105.28%
Tl 276.787†	-17.2	-0.00490 mg/L	0.004517	-0.00490 mg/L	0.004517	92.10%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%

V 290.880†	2.2	0.00248 mg/L	0.003268	0.00248 mg/L	0.003268	131.77%
V 309.310†	1.4	0.00083 mg/L	0.001057	0.00083 mg/L	0.001057	127.83%
V 310.230†	118.3	0.00087 mg/L	0.000775	0.00087 mg/L	0.000775	89.44%
Zn 202.548†	1.0	0.00443 mg/L	0.005699	0.00443 mg/L	0.005699	128.53%
Zn 206.200†	0.3	0.00400 mg/L	0.009484	0.00400 mg/L	0.009484	237.21%
Zn 213.857†	19.0	-0.00248 mg/L	0.003406	-0.00248 mg/L	0.003406	137.47%

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

Autosampler Location: 26
Date Collected: 9/12/01 12:43:19 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	131643.2						943.62	0.72%
Y 360.073	3134792.2						29487.06	0.94%
Ag 328.068†	142.5	0.00085	mg/L	0.000569	0.00085	mg/L	0.000569	67.13%
Ag 338.289†	61.1	0.00066	mg/L	0.000731	0.00066	mg/L	0.000731	110.63%
Al 308.215†	-11.0	-0.04603	mg/L	0.001647	-0.04603	mg/L	0.001647	3.58%
Al 394.401†	-25.7	-0.05496	mg/L	0.004737	-0.05496	mg/L	0.004737	8.62%
Al 396.153†	-109.0	-0.05799	mg/L	0.009204	-0.05799	mg/L	0.009204	15.87%
As 188.979†	-0.1	-0.02083	mg/L	0.454944	-0.02083	mg/L	0.454944	>999.9%
As 193.696†	0.0	0.00004	mg/L	0.002538	0.00004	mg/L	0.002538	>999.9%
As 197.197†	-0.6	-0.2886	mg/L	0.24425	-0.2886	mg/L	0.24425	84.63%
B 208.889†	-0.6	-0.02144	mg/L	0.054761	-0.02144	mg/L	0.054761	255.42%
B 249.677†	0.5	0.00239	mg/L	0.013748	0.00239	mg/L	0.013748	576.21%
B 249.772†	-4.5	-0.00956	mg/L	0.004912	-0.00956	mg/L	0.004912	51.39%
Ba 233.527†	-0.4	-0.00068	mg/L	0.000982	-0.00068	mg/L	0.000982	145.34%
Ba 455.403†	-15.5	-0.00028	mg/L	0.000062	-0.00028	mg/L	0.000062	22.48%
Ba 493.408†	13.9	0.00013	mg/L	0.000266	0.00013	mg/L	0.000266	201.35%
Be 234.861†	-55.1	-0.00022	mg/L	0.000026	-0.00022	mg/L	0.000026	11.86%
Be 313.042†	3.9	0.00017	mg/L	0.000121	0.00017	mg/L	0.000121	69.78%
Be 313.107†	3.9	0.00017	mg/L	0.000121	0.00017	mg/L	0.000121	69.78%
Ca 315.887†	-123.8	-0.1159	mg/L	0.00262	-0.1159	mg/L	0.00262	2.26%
Ca 317.933†	-97.1	-0.1079	mg/L	0.00211	-0.1079	mg/L	0.00211	1.96%
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	0.000019	0.00002	mg/L	0.000019	87.83%
Cd 228.802†	-0.3	-0.00058	mg/L	0.000145	-0.00058	mg/L	0.000145	24.96%
Ce 413.380†	0.6	0.00067	mg/L	0.011221	0.00067	mg/L	0.011221	>999.9%
Ce 413.764†	-12.5	-0.01344	mg/L	0.016057	-0.01344	mg/L	0.016057	119.49%
Ce 418.660†	4.1	0.00210	mg/L	0.006606	0.00210	mg/L	0.006606	315.08%
Co 228.616†	286.4	0.00825	mg/L	0.000729	0.00825	mg/L	0.000729	8.83%
Co 230.786†	0.3	0.00167	mg/L	0.003539	0.00167	mg/L	0.003539	211.57%
Co 238.892†	-0.4	-0.00204	mg/L	0.000526	-0.00204	mg/L	0.000526	25.74%
Cr 205.560†	-0.2	-0.00985	mg/L	0.027515	-0.00985	mg/L	0.027515	279.29%
Cr 267.716†	22.6	0.00103	mg/L	0.000128	0.00103	mg/L	0.000128	12.39%
Cr 283.563†	0.3	0.00038	mg/L	0.000433	0.00038	mg/L	0.000433	112.78%
Cu 224.700†	-1.1	-0.01326	mg/L	0.005190	-0.01326	mg/L	0.005190	39.15%
Cu 324.752†	-7.7	-0.00218	mg/L	0.000043	-0.00218	mg/L	0.000043	1.97%
Cu 327.393†	-30.9	-0.00056	mg/L	0.000311	-0.00056	mg/L	0.000311	55.77%
Fe 238.204†	3.9	0.00735	mg/L	0.000902	0.00735	mg/L	0.000902	12.27%
Fe 239.562†	3.4	0.00821	mg/L	0.001383	0.00821	mg/L	0.001383	16.85%
Fe 259.939†	9.6	0.00781	mg/L	0.001637	0.00781	mg/L	0.001637	20.96%
Fe 273.955†	1.3	0.00697	mg/L	0.001243	0.00697	mg/L	0.001243	17.83%
K 766.490†	-71.0	-0.1557	mg/L	0.02395	-0.1557	mg/L	0.02395	15.38%
Li 610.362†	-10.5	-0.00204	mg/L	0.029143	-0.00204	mg/L	0.029143	>999.9%
Li 670.784†	-92.5	-0.00229	mg/L	0.000969	-0.00229	mg/L	0.000969	42.32%
Mg 279.077†	-8.2	-0.03927	mg/L	0.002609	-0.03927	mg/L	0.002609	6.64%
Mg 280.271†	-636.3	-0.01893	mg/L	0.000026	-0.01893	mg/L	0.000026	0.14%
Mg 285.213†	-17.7	-0.01910	mg/L	0.000918	-0.01910	mg/L	0.000918	4.80%
Mn 257.610†	-1.4	-0.00028	mg/L	0.000199	-0.00028	mg/L	0.000199	71.47%
Mn 259.372†	5.5	0.00098	mg/L	0.000395	0.00098	mg/L	0.000395	40.18%
Mn 260.568†	-0.4	-0.00010	mg/L	0.000480	-0.00010	mg/L	0.000480	460.51%
Mo 202.031†	-1.4	-0.05690	mg/L	0.050033	-0.05690	mg/L	0.050033	87.93%
Mo 203.845†	-0.3	-0.02141	mg/L	0.018007	-0.02141	mg/L	0.018007	84.09%
Mo 204.597†	11.1	0.00178	mg/L	0.000434	0.00178	mg/L	0.000434	24.38%

Na 588.995†	-1495.0	-0.4152	mg/L	0.01156	-0.4152	mg/L	0.01156	2.79%
Na 589.592†	-1660.4	-0.4334	mg/L	0.01159	-0.4334	mg/L	0.01159	2.67%
Ni 221.648†	0.4	0.01499	mg/L	0.032791	0.01499	mg/L	0.032791	218.75%
Ni 231.604†	11.0	0.00100	mg/L	0.000311	0.00100	mg/L	0.000311	31.09%
Ni 232.003†	-0.2	-0.00357	mg/L	0.014127	-0.00357	mg/L	0.014127	396.11%
Pb 217.000†	-0.0	-0.00148	mg/L	0.061671	-0.00148	mg/L	0.061671	>999.9%
Pb 220.353†	-2.6	-0.00117	mg/L	0.000918	-0.00117	mg/L	0.000918	78.67%
Sb 206.836†	-4.7	-0.00269	mg/L	0.001019	-0.00269	mg/L	0.001019	37.94%
Sb 217.582†	0.0	0.00487	mg/L	0.069689	0.00487	mg/L	0.069689	>999.9%
Se 196.026†	0.8	0.00102	mg/L	0.002160	0.00102	mg/L	0.002160	212.73%
Se 203.985†	1.9	0.00403	mg/L	0.003057	0.00403	mg/L	0.003057	75.78%
Sn 189.927†	-3.2	-0.00300	mg/L	0.000538	-0.00300	mg/L	0.000538	17.94%
Sn 235.485†	-1.1	-0.04390	mg/L	0.082980	-0.04390	mg/L	0.082980	189.01%
Sr 407.771†	-285.1	-0.00276	mg/L	0.000016	-0.00276	mg/L	0.000016	0.58%
Sr 421.552†	-405.2	-0.00261	mg/L	0.000033	-0.00261	mg/L	0.000033	1.26%
Sr 460.733†	-5.3	-0.00077	mg/L	0.014534	-0.00077	mg/L	0.014534	>999.9%
Ti 334.940†	88889.5	10.06	mg/L	0.009	10.06	mg/L	0.009	0.09%
Ti 336.121†	75806.4	10.07	mg/L	0.030	10.07	mg/L	0.030	0.30%
Ti 337.279†	28528.7	10.07	mg/L	0.027	10.07	mg/L	0.027	0.27%
Tl 190.801†	-20.0	-0.02966	mg/L	0.010921	-0.02966	mg/L	0.010921	36.83%
Tl 276.787†	-19.5	-0.00556	mg/L	0.003860	-0.00556	mg/L	0.003860	69.47%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	0.3	0.00029	mg/L	0.000831	0.00029	mg/L	0.000831	289.53%
V 309.310†	-0.3	-0.00021	mg/L	0.000529	-0.00021	mg/L	0.000529	248.23%
V 310.230†	196.7	0.00144	mg/L	0.000860	0.00144	mg/L	0.000860	59.66%
Zn 202.548†	-1.3	-0.00698	mg/L	0.001210	-0.00698	mg/L	0.001210	17.33%
Zn 206.200†	-0.0	-0.00029	mg/L	0.005640	-0.00029	mg/L	0.005640	>999.9%
Zn 213.857†	0.1	0.00015	mg/L	0.002052	0.00015	mg/L	0.002052	>999.9%

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

Autosampler Location: 17
Date Collected: 9/12/01 12:48:16 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	133926.5						3033.55	2.27%
Y 360.073	3173547.7						31240.05	0.98%
Ag 328.068†	22.2	0.00013	mg/L	0.000298	0.00013	mg/L	0.000298	225.54%
Ag 338.289†	-11.1	-0.00012	mg/L	0.000359	-0.00012	mg/L	0.000359	298.79%
Al 308.215†	-20.3	-0.08463	mg/L	0.008082	-0.08463	mg/L	0.008082	9.55%
Al 394.401†	-37.2	-0.07959	mg/L	0.003484	-0.07959	mg/L	0.003484	4.38%
Al 396.153†	-142.7	-0.07752	mg/L	0.001523	-0.07752	mg/L	0.001523	1.96%
As 188.979†	-0.5	-0.1996	mg/L	0.18213	-0.1996	mg/L	0.18213	91.26%
As 193.696†	2.0	0.00314	mg/L	0.001838	0.00314	mg/L	0.001838	58.59%
As 197.197†	-0.0	-0.02151	mg/L	0.195127	-0.02151	mg/L	0.195127	907.24%
B 208.889†	0.1	0.00514	mg/L	0.058716	0.00514	mg/L	0.058716	>999.9%
B 249.677†	-2.6	-0.01188	mg/L	0.015915	-0.01188	mg/L	0.015915	134.01%
B 249.772†	-8.2	-0.01750	mg/L	0.001510	-0.01750	mg/L	0.001510	8.63%
Ba 233.527†	-0.5	-0.00077	mg/L	0.000698	-0.00077	mg/L	0.000698	90.46%
Ba 455.403†	-28.7	-0.00051	mg/L	0.000025	-0.00051	mg/L	0.000025	4.89%
Ba 493.408†	-12.0	-0.00011	mg/L	0.000370	-0.00011	mg/L	0.000370	323.18%
Be 234.861†	-8.2	-0.00003	mg/L	0.000024	-0.00003	mg/L	0.000024	72.36%
Be 313.042†	-0.3	-0.00001	mg/L	0.000196	-0.00001	mg/L	0.000196	>999.9%
Be 313.107†	-0.3	-0.00001	mg/L	0.000196	-0.00001	mg/L	0.000196	>999.9%
Ca 315.887†	-165.7	-0.1552	mg/L	0.00334	-0.1552	mg/L	0.00334	2.15%
Ca 317.933†	-129.5	-0.1439	mg/L	0.00522	-0.1439	mg/L	0.00522	3.63%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-2.7	-0.00009	mg/L	0.000141	-0.00009	mg/L	0.000141	162.65%
Cd 228.802†	-0.4	-0.00071	mg/L	0.001326	-0.00071	mg/L	0.001326	186.49%
Ce 413.380†	3.3	0.00369	mg/L	0.008196	0.00369	mg/L	0.008196	222.19%
Ce 413.764†	-5.4	-0.00584	mg/L	0.019996	-0.00584	mg/L	0.019996	342.69%
Ce 418.660†	21.2	0.01078	mg/L	0.007384	0.01078	mg/L	0.007384	68.47%
Co 228.616†	-27.7	-0.00080	mg/L	0.000380	-0.00080	mg/L	0.000380	47.61%
Co 230.786†	-0.4	-0.00251	mg/L	0.002536	-0.00251	mg/L	0.002536	101.20%
Co 238.892†	-0.5	-0.00260	mg/L	0.001351	-0.00260	mg/L	0.001351	51.97%

Cr 205.560†	-0.5	-0.02167 mg/L	0.012256	-0.02167 mg/L	0.012256	56.55%
Cr 267.716†	-2.3	-0.00011 mg/L	0.000070	-0.00011 mg/L	0.000070	65.79%
Cr 283.563†	-0.4	-0.00045 mg/L	0.001113	-0.00045 mg/L	0.001113	249.75%
Cu 224.700†	-0.5	-0.00655 mg/L	0.019569	-0.00655 mg/L	0.019569	298.97%
Cu 324.752†	-12.2	-0.00345 mg/L	0.001058	-0.00345 mg/L	0.001058	30.64%
Cu 327.393†	-159.6	-0.00288 mg/L	0.000501	-0.00288 mg/L	0.000501	17.37%
Fe 238.204†	-0.7	-0.00126 mg/L	0.001496	-0.00126 mg/L	0.001496	118.96%
Fe 239.562†	0.2	0.00054 mg/L	0.001910	0.00054 mg/L	0.001910	356.88%
Fe 259.939†	1.0	0.00079 mg/L	0.000817	0.00079 mg/L	0.000817	103.16%
Fe 273.955†	-0.4	-0.00233 mg/L	0.002221	-0.00233 mg/L	0.002221	95.27%
K 766.490†	-169.9	-0.3728 mg/L	0.04432	-0.3728 mg/L	0.04432	11.89%
Li 610.362†	30.6	0.00592 mg/L	0.018814	0.00592 mg/L	0.018814	317.90%
Li 670.784†	-338.3	-0.00838 mg/L	0.000520	-0.00838 mg/L	0.000520	6.20%
Mg 279.077†	-4.9	-0.02358 mg/L	0.024728	-0.02358 mg/L	0.024728	104.88%
Mg 280.271†	-613.9	-0.01827 mg/L	0.000267	-0.01827 mg/L	0.000267	1.46%
Mg 285.213†	-15.9	-0.01724 mg/L	0.000348	-0.01724 mg/L	0.000348	2.02%
Mn 257.610†	-4.0	-0.00082 mg/L	0.000157	-0.00082 mg/L	0.000157	19.11%
Mn 259.372†	-4.7	-0.00054 mg/L	0.000454	-0.00054 mg/L	0.000454	84.09%
Mn 260.568†	-3.4	-0.00089 mg/L	0.000232	-0.00089 mg/L	0.000232	26.17%
Mo 202.031†	-0.4	-0.01631 mg/L	0.012364	-0.01631 mg/L	0.012364	75.79%
Mo 203.845†	-2.2	-0.1418 mg/L	0.05746	-0.1418 mg/L	0.05746	40.53%
Mo 204.597†	7.7	0.00124 mg/L	0.000513	0.00124 mg/L	0.000513	41.50%
Na 588.995†	-1753.2	-0.4869 mg/L	0.01697	-0.4869 mg/L	0.01697	3.49%
Na 589.592†	-1946.5	-0.5081 mg/L	0.01777	-0.5081 mg/L	0.01777	3.50%
Ni 221.648†	-0.1	-0.00383 mg/L	0.026022	-0.00383 mg/L	0.026022	678.74%
Ni 231.604†	7.6	0.00069 mg/L	0.000404	0.00069 mg/L	0.000404	58.31%
Ni 232.003†	-1.0	-0.01641 mg/L	0.002980	-0.01641 mg/L	0.002980	18.16%
Pb 217.000†	0.6	0.06112 mg/L	0.083335	0.06112 mg/L	0.083335	136.34%
Pb 220.353†	-4.4	-0.00195 mg/L	0.000206	-0.00195 mg/L	0.000206	10.55%
Sb 206.836†	-0.8	-0.00044 mg/L	0.002319	-0.00044 mg/L	0.002319	521.69%
Sb 217.582†	-0.5	-0.08979 mg/L	0.054600	-0.08979 mg/L	0.054600	60.81%
Se 196.026†	-0.3	-0.00044 mg/L	0.002029	-0.00044 mg/L	0.002029	463.81%
Se 203.985†	5.0	0.01080 mg/L	0.005186	0.01080 mg/L	0.005186	48.00%
Sn 189.927†	-0.5	-0.00043 mg/L	0.000300	-0.00043 mg/L	0.000300	69.00%
Sn 235.485†	0.2	0.00864 mg/L	0.052614	0.00864 mg/L	0.052614	609.30%
Sr 407.771†	-331.4	-0.00321 mg/L	0.000080	-0.00321 mg/L	0.000080	2.50%
Sr 421.552†	-479.8	-0.00309 mg/L	0.000051	-0.00309 mg/L	0.000051	1.65%
Sr 460.733†	35.8	0.00517 mg/L	0.008293	0.00517 mg/L	0.008293	160.26%
Ti 334.940†	11.2	0.00127 mg/L	0.000287	0.00127 mg/L	0.000287	22.56%
Ti 336.121†	7.1	0.00095 mg/L	0.000372	0.00095 mg/L	0.000372	39.34%
Ti 337.279†	2.3	0.00081 mg/L	0.000645	0.00081 mg/L	0.000645	79.42%
Tl 190.801†	0.8	0.00120 mg/L	0.002185	0.00120 mg/L	0.002185	182.41%
Tl 276.787†	-9.1	-0.00259 mg/L	0.001379	-0.00259 mg/L	0.001379	53.31%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	3.4	0.00385 mg/L	0.001159	0.00385 mg/L	0.001159	30.11%
V 309.310†	0.5	0.00028 mg/L	0.001199	0.00028 mg/L	0.001199	423.21%
V 310.230†	235.6	0.00173 mg/L	0.000197	0.00173 mg/L	0.000197	11.39%
Zn 202.548†	-2.9	-0.01654 mg/L	0.006416	-0.01654 mg/L	0.006416	38.78%
Zn 206.200†	0.1	0.00152 mg/L	0.003470	0.00152 mg/L	0.003470	228.97%
Zn 213.857†	-2.7	-0.00643 mg/L	0.001240	-0.00643 mg/L	0.001240	19.30%

Sequence No.: 26 **Autosampler Location: 1**
Sample ID: BLANK **Date Collected: 9/12/01 12:52:48 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	131685.1						2597.91	1.97%
Y 360.073	3152024.2						19710.00	0.63%
Ag 328.068†	12.6	0.00007	mg/L	0.000074	0.00007	mg/L	0.000074	99.49%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Ag 338.289†	52.1	0.00056	mg/L	0.000644	0.00056	mg/L	0.000644	114.18%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215†	-7.2	-0.03019	mg/L	0.006023	-0.03019	mg/L	0.006023	19.95%
QC value within limits for Al 308.215 Recovery = Not calculated								

Al 394.401†	-12.4	-0.02658 mg/L	0.009794	-0.02658 mg/L	0.009794	36.85%
QC value within limits for Al 394.401 Recovery = Not calculated						
Al 396.153†	-53.9	-0.02995 mg/L	0.002483	-0.02995 mg/L	0.002483	8.29%
QC value within limits for Al 396.153 Recovery = Not calculated						
As 188.979†	-0.7	-0.2607 mg/L	0.29322	-0.2607 mg/L	0.29322	112.49%
QC value within limits for As 188.979 Recovery = Not calculated						
As 193.696†	1.0	0.00159 mg/L	0.004145	0.00159 mg/L	0.004145	260.56%
QC value within limits for As 193.696 Recovery = Not calculated						
As 197.197†	0.1	0.05817 mg/L	0.390515	0.05817 mg/L	0.390515	671.38%
QC value within limits for As 197.197 Recovery = Not calculated						
B 208.889†	0.1	0.00571 mg/L	0.032811	0.00571 mg/L	0.032811	574.99%
QC value within limits for B 208.889 Recovery = Not calculated						
B 249.677†	0.7	0.00298 mg/L	0.006836	0.00298 mg/L	0.006836	229.43%
QC value within limits for B 249.677 Recovery = Not calculated						
B 249.772†	-2.7	-0.00583 mg/L	0.001495	-0.00583 mg/L	0.001495	25.65%
QC value within limits for B 249.772 Recovery = Not calculated						
Ba 233.527†	-0.3	-0.00045 mg/L	0.001905	-0.00045 mg/L	0.001905	421.14%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Ba 455.403†	-19.7	-0.00035 mg/L	0.000080	-0.00035 mg/L	0.000080	22.67%
QC value within limits for Ba 455.403 Recovery = Not calculated						
Ba 493.408†	-4.6	-0.00004 mg/L	0.000346	-0.00004 mg/L	0.000346	784.49%
QC value within limits for Ba 493.408 Recovery = Not calculated						
Be 234.861†	-4.4	-0.00002 mg/L	0.000049	-0.00002 mg/L	0.000049	271.93%
QC value within limits for Be 234.861 Recovery = Not calculated						
Be 313.042†	-1.6	-0.00007 mg/L	0.000140	-0.00007 mg/L	0.000140	194.06%
QC value within limits for Be 313.042 Recovery = Not calculated						
Be 313.107†	-1.6	-0.00007 mg/L	0.000140	-0.00007 mg/L	0.000140	194.06%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	-52.4	-0.04901 mg/L	0.011515	-0.04901 mg/L	0.011515	23.49%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Ca 317.933†	-38.5	-0.04278 mg/L	0.008730	-0.04278 mg/L	0.008730	20.41%
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†	-0.4	-0.00001 mg/L	0.000094	-0.00001 mg/L	0.000094	780.15%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Cd 228.802†	-1.2	-0.00218 mg/L	0.001749	-0.00218 mg/L	0.001749	80.38%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Ce 413.380†	5.4	0.00594 mg/L	0.006122	0.00594 mg/L	0.006122	103.07%
QC value within limits for Ce 413.380 Recovery = Not calculated						
Ce 413.764†	-12.4	-0.01331 mg/L	0.009728	-0.01331 mg/L	0.009728	73.07%
QC value within limits for Ce 413.764 Recovery = Not calculated						
Ce 418.660†	15.9	0.00811 mg/L	0.007882	0.00811 mg/L	0.007882	97.17%
QC value within limits for Ce 418.660 Recovery = Not calculated						
Co 228.616†	-8.6	-0.00025 mg/L	0.000056	-0.00025 mg/L	0.000056	22.67%
QC value within limits for Co 228.616 Recovery = Not calculated						
Co 230.786†	-0.6	-0.00377 mg/L	0.004171	-0.00377 mg/L	0.004171	110.63%
QC value within limits for Co 230.786 Recovery = Not calculated						
Co 238.892†	0.1	0.00054 mg/L	0.000441	0.00054 mg/L	0.000441	81.51%
QC value within limits for Co 238.892 Recovery = Not calculated						
Cr 205.560†	-0.2	-0.00731 mg/L	0.021696	-0.00731 mg/L	0.021696	296.86%
QC value within limits for Cr 205.560 Recovery = Not calculated						
Cr 267.716†	-2.1	-0.00010 mg/L	0.000065	-0.00010 mg/L	0.000065	66.17%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cr 283.563†	-2.1	-0.00232 mg/L	0.001186	-0.00232 mg/L	0.001186	51.21%
QC value within limits for Cr 283.563 Recovery = Not calculated						
Cu 224.700†	-1.3	-0.01568 mg/L	0.006254	-0.01568 mg/L	0.006254	39.89%
QC value within limits for Cu 224.700 Recovery = Not calculated						
Cu 324.752†	-8.9	-0.00251 mg/L	0.001139	-0.00251 mg/L	0.001139	45.31%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Cu 327.393†	-102.4	-0.00185 mg/L	0.000524	-0.00185 mg/L	0.000524	28.33%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	-2.1	-0.00391 mg/L	0.000265	-0.00391 mg/L	0.000265	6.78%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 239.562†	0.1	0.00023 mg/L	0.003129	0.00023 mg/L	0.003129	>999.9%
QC value within limits for Fe 239.562 Recovery = Not calculated						
Fe 259.939†	-2.9	-0.00235 mg/L	0.001122	-0.00235 mg/L	0.001122	47.72%
QC value within limits for Fe 259.939 Recovery = Not calculated						
Fe 273.955†	0.3	0.00185 mg/L	0.001544	0.00185 mg/L	0.001544	83.49%
QC value within limits for Fe 273.955 Recovery = Not calculated						

K 766.490†	-107.3	-0.2354 mg/L	0.03816	-0.2354 mg/L	0.03816	16.21%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 610.362†	46.9	0.00906 mg/L	0.003244	0.00906 mg/L	0.003244	35.80%
QC value within limits for Li 610.362 Recovery = Not calculated						
Li 670.784†	-138.4	-0.00343 mg/L	0.000407	-0.00343 mg/L	0.000407	11.87%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	-3.0	-0.01415 mg/L	0.025624	-0.01415 mg/L	0.025624	181.10%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mg 280.271†	-339.9	-0.01011 mg/L	0.000366	-0.01011 mg/L	0.000366	3.62%
QC value within limits for Mg 280.271 Recovery = Not calculated						
Mg 285.213†	-9.1	-0.00988 mg/L	0.000801	-0.00988 mg/L	0.000801	8.11%
QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	-3.7	-0.00075 mg/L	0.000011	-0.00075 mg/L	0.000011	1.46%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mn 259.372†	-1.0	-0.00016 mg/L	0.000429	-0.00016 mg/L	0.000429	261.51%
QC value within limits for Mn 259.372 Recovery = Not calculated						
Mn 260.568†	-2.1	-0.00055 mg/L	0.000267	-0.00055 mg/L	0.000267	48.54%
QC value within limits for Mn 260.568 Recovery = Not calculated						
Mo 202.031†	0.2	0.00608 mg/L	0.016353	0.00608 mg/L	0.016353	269.07%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Mo 203.845†	-0.8	-0.04933 mg/L	0.027832	-0.04933 mg/L	0.027832	56.42%
QC value within limits for Mo 203.845 Recovery = Not calculated						
Mo 204.597†	3.7	0.00060 mg/L	0.000537	0.00060 mg/L	0.000537	89.47%
QC value within limits for Mo 204.597 Recovery = Not calculated						
Na 588.995†	-1683.6	-0.4676 mg/L	0.02702	-0.4676 mg/L	0.02702	5.78%
QC value within limits for Na 588.995 Recovery = Not calculated						
Na 589.592†	-1784.4	-0.4658 mg/L	0.01544	-0.4658 mg/L	0.01544	3.31%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 221.648†	0.5	0.01746 mg/L	0.009035	0.01746 mg/L	0.009035	51.74%
QC value within limits for Ni 221.648 Recovery = Not calculated						
Ni 231.604†	1.0	0.00009 mg/L	0.000306	0.00009 mg/L	0.000306	347.63%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Ni 232.003†	-0.7	-0.01143 mg/L	0.006053	-0.01143 mg/L	0.006053	52.98%
QC value within limits for Ni 232.003 Recovery = Not calculated						
Pb 217.000†	0.6	0.06065 mg/L	0.046750	0.06065 mg/L	0.046750	77.08%
QC value within limits for Pb 217.000 Recovery = Not calculated						
Pb 220.353†	-0.9	-0.00042 mg/L	0.001987	-0.00042 mg/L	0.001987	473.30%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	2.4	0.00136 mg/L	0.001366	0.00136 mg/L	0.001366	100.74%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Sb 217.582†	-0.5	-0.08333 mg/L	0.078528	-0.08333 mg/L	0.078528	94.24%
QC value within limits for Sb 217.582 Recovery = Not calculated						
Se 196.026†	2.7	0.00338 mg/L	0.003064	0.00338 mg/L	0.003064	90.56%
QC value within limits for Se 196.026 Recovery = Not calculated						
Se 203.985†	3.0	0.00654 mg/L	0.004020	0.00654 mg/L	0.004020	61.46%
QC value within limits for Se 203.985 Recovery = Not calculated						
Sn 189.927†	-0.3	-0.00032 mg/L	0.001475	-0.00032 mg/L	0.001475	467.82%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sn 235.485†	-0.3	-0.01060 mg/L	0.054648	-0.01060 mg/L	0.054648	515.73%
QC value within limits for Sn 235.485 Recovery = Not calculated						
Sr 407.771†	-110.0	-0.00106 mg/L	0.000002	-0.00106 mg/L	0.000002	0.21%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Sr 421.552†	-138.7	-0.00089 mg/L	0.000154	-0.00089 mg/L	0.000154	17.24%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Sr 460.733†	-34.1	-0.00493 mg/L	0.012915	-0.00493 mg/L	0.012915	261.77%
QC value within limits for Sr 460.733 Recovery = Not calculated						
Ti 334.940†	2.6	0.00030 mg/L	0.000075	0.00030 mg/L	0.000075	25.03%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ti 336.121†	-4.2	-0.00056 mg/L	0.000447	-0.00056 mg/L	0.000447	79.90%
QC value within limits for Ti 336.121 Recovery = Not calculated						
Ti 337.279†	-2.1	-0.00074 mg/L	0.000081	-0.00074 mg/L	0.000081	10.93%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	0.9	0.00131 mg/L	0.002326	0.00131 mg/L	0.002326	178.02%
QC value within limits for Tl 190.801 Recovery = Not calculated						
Tl 276.787†	-12.9	-0.00366 mg/L	0.001270	-0.00366 mg/L	0.001270	34.67%
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†	2.6	0.00297 mg/L	0.003575	0.00297 mg/L	0.003575	120.51%
QC value within limits for V 290.880 Recovery = Not calculated						

V 309.310†	0.7	0.00043 mg/L	0.001579	0.00043 mg/L	0.001579	370.78%
QC value within limits for V 309.310 Recovery = Not calculated						
V 310.230†	15.4	0.00011 mg/L	0.000416	0.00011 mg/L	0.000416	367.63%
QC value within limits for V 310.230 Recovery = Not calculated						
Zn 202.548†	-0.6	-0.00313 mg/L	0.014935	-0.00313 mg/L	0.014935	477.17%
QC value within limits for Zn 202.548 Recovery = Not calculated						
Zn 206.200†	0.1	0.00117 mg/L	0.004364	0.00117 mg/L	0.004364	373.20%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zn 213.857†	-1.4	-0.00348 mg/L	0.002775	-0.00348 mg/L	0.002775	79.67%
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: 9/12/01 12:57:14 PM
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	132410.5						1895.18	1.43%
Y 360.073	3152486.8						30655.25	0.97%
Ag 328.068†	29798.5	0.1771	mg/L	0.00278	0.1771	mg/L	0.00278	1.57%
Ag 338.289†	16431.0	0.1778	mg/L	0.00289	0.1778	mg/L	0.00289	1.63%
Al 308.215†	215.1	0.8983	mg/L	0.00616	0.8983	mg/L	0.00616	0.69%
QC value less than the lower limit for Al 308.215 Recovery = 89.83%								
Al 394.401†	415.6	0.8897	mg/L	0.01296	0.8897	mg/L	0.01296	1.46%
QC value less than the lower limit for Al 394.401 Recovery = 88.97%								
Al 396.153†	1712.0	0.9322	mg/L	0.01870	0.9322	mg/L	0.01870	2.01%
QC value within limits for Al 396.153 Recovery = 93.22%								
As 188.979†	5.4	2.105	mg/L	0.4308	2.105	mg/L	0.4308	20.47%
QC value within limits for As 188.979 Recovery = 105.23%								
As 193.696†	1307.8	2.054	mg/L	0.0065	2.054	mg/L	0.0065	0.32%
QC value within limits for As 193.696 Recovery = 102.72%								
As 197.197†	4.0	1.937	mg/L	0.0386	1.937	mg/L	0.0386	1.99%
QC value within limits for As 197.197 Recovery = 96.85%								
B 208.889†	24.7	0.9396	mg/L	0.06142	0.9396	mg/L	0.06142	6.54%
QC value within limits for B 208.889 Recovery = 93.96%								
B 249.677†	203.6	0.9168	mg/L	0.03025	0.9168	mg/L	0.03025	3.30%
QC value within limits for B 249.677 Recovery = 91.68%								
B 249.772†	434.6	0.9227	mg/L	0.02638	0.9227	mg/L	0.02638	2.86%
QC value within limits for B 249.772 Recovery = 92.27%								
Ba 233.527†	587.3	0.9846	mg/L	0.01512	0.9846	mg/L	0.01512	1.54%
QC value within limits for Ba 233.527 Recovery = 98.46%								
Ba 455.403†	57414.8	1.020	mg/L	0.0020	1.020	mg/L	0.0020	0.19%
QC value within limits for Ba 455.403 Recovery = 102.03%								
Ba 493.408†	106197.5	1.012	mg/L	0.0016	1.012	mg/L	0.0016	0.15%
QC value within limits for Ba 493.408 Recovery = 101.22%								
Be 234.861†	270523.3	1.086	mg/L	0.0194	1.086	mg/L	0.0194	1.79%
QC value within limits for Be 234.861 Recovery = 108.61%								
Be 313.042†	22394.2	0.9902	mg/L	0.00420	0.9902	mg/L	0.00420	0.42%
QC value within limits for Be 313.042 Recovery = 99.02%								
Be 313.107†	22394.2	0.9902	mg/L	0.00420	0.9902	mg/L	0.00420	0.42%
QC value within limits for Be 313.107 Recovery = 99.02%								
Ca 315.887†	1009.7	0.9453	mg/L	0.02007	0.9453	mg/L	0.02007	2.12%
QC value within limits for Ca 315.887 Recovery = 94.53%								
Ca 317.933†	785.4	0.8724	mg/L	0.02337	0.8724	mg/L	0.02337	2.68%
QC value less than the lower limit for Ca 317.933 Recovery = 87.24%								
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†	30633.3	0.9947	mg/L	0.01434	0.9947	mg/L	0.01434	1.44%
QC value within limits for Cd 226.502 Recovery = 99.47%								
Cd 228.802†	541.2	0.9734	mg/L	0.01933	0.9734	mg/L	0.01933	1.99%
QC value within limits for Cd 228.802 Recovery = 97.34%								
Ce 413.380†	943.8	1.043	mg/L	0.0421	1.043	mg/L	0.0421	4.04%
QC value within limits for Ce 413.380 Recovery = 104.32%								
Ce 413.764†	928.4	0.9973	mg/L	0.01558	0.9973	mg/L	0.01558	1.56%

QC value within limits for Ce 413.764 Recovery = 99.73%

Ce 418.660†	2034.3	1.037 mg/L	0.0326	1.037 mg/L	0.0326	3.14%

QC value within limits for Ce 418.660 Recovery = 103.66%

Co 228.616†	34337.2	0.9895 mg/L	0.01621	0.9895 mg/L	0.01621	1.64%

QC value within limits for Co 228.616 Recovery = 98.95%

Co 230.786†	151.5	0.9838 mg/L	0.02398	0.9838 mg/L	0.02398	2.44%

QC value within limits for Co 230.786 Recovery = 98.38%

Co 238.892†	204.8	0.9860 mg/L	0.01752	0.9860 mg/L	0.01752	1.78%

QC value within limits for Co 238.892 Recovery = 98.60%

Cr 205.560†	21.4	0.9827 mg/L	0.04498	0.9827 mg/L	0.04498	4.58%

QC value within limits for Cr 205.560 Recovery = 98.27%

Cr 267.716†	21639.6	0.9902 mg/L	0.01703	0.9902 mg/L	0.01703	1.72%

QC value within limits for Cr 267.716 Recovery = 99.02%

Cr 283.563†	870.3	0.9740 mg/L	0.02070	0.9740 mg/L	0.02070	2.13%

QC value within limits for Cr 283.563 Recovery = 97.40%

Cu 224.700†	79.5	0.9713 mg/L	0.04744	0.9713 mg/L	0.04744	4.88%

QC value within limits for Cu 224.700 Recovery = 97.13%

Cu 324.752†	3413.1	0.9657 mg/L	0.00382	0.9657 mg/L	0.00382	0.40%

QC value within limits for Cu 324.752 Recovery = 96.57%

Cu 327.393†	53856.5	0.9736 mg/L	0.01562	0.9736 mg/L	0.01562	1.60%

QC value within limits for Cu 327.393 Recovery = 97.36%

Fe 238.204†	524.6	0.9878 mg/L	0.01398	0.9878 mg/L	0.01398	1.42%

QC value within limits for Fe 238.204 Recovery = 98.78%

Fe 239.562†	415.1	0.9924 mg/L	0.02122	0.9924 mg/L	0.02122	2.14%

QC value within limits for Fe 239.562 Recovery = 99.24%

Fe 259.939†	1215.0	0.9902 mg/L	0.01875	0.9902 mg/L	0.01875	1.89%

QC value within limits for Fe 259.939 Recovery = 99.02%

Fe 273.955†	202.9	1.096 mg/L	0.0140	1.096 mg/L	0.0140	1.28%

QC value within limits for Fe 273.955 Recovery = 109.59%

K 766.490†	2280.8	5.003 mg/L	0.0524	5.003 mg/L	0.0524	1.05%

QC value within limits for K 766.490 Recovery = 100.05%

Li 610.362†	5329.2	1.030 mg/L	0.0144	1.030 mg/L	0.0144	1.40%

QC value within limits for Li 610.362 Recovery = 103.01%

Li 670.784†	39853.1	0.9871 mg/L	0.00655	0.9871 mg/L	0.00655	0.66%

QC value within limits for Li 670.784 Recovery = 98.71%

Mg 279.077†	206.1	0.9861 mg/L	0.02413	0.9861 mg/L	0.02413	2.45%

QC value within limits for Mg 279.077 Recovery = 98.61%

Mg 280.271†	33543.9	0.9980 mg/L	0.00182	0.9980 mg/L	0.00182	0.18%

QC value within limits for Mg 280.271 Recovery = 99.80%

Mg 285.213†	910.3	0.9844 mg/L	0.01877	0.9844 mg/L	0.01877	1.91%

QC value within limits for Mg 285.213 Recovery = 98.44%

Mn 257.610†	4828.3	0.9895 mg/L	0.00305	0.9895 mg/L	0.00305	0.31%

QC value within limits for Mn 257.610 Recovery = 98.95%

Mn 259.372†	7601.7	0.9930 mg/L	0.00178	0.9930 mg/L	0.00178	0.18%

QC value within limits for Mn 259.372 Recovery = 99.30%

Mn 260.568†	3803.4	1.003 mg/L	0.0068	1.003 mg/L	0.0068	0.67%

QC value within limits for Mn 260.568 Recovery = 100.28%

Mo 202.031†	21.3	0.8475 mg/L	0.03027	0.8475 mg/L	0.03027	3.57%

QC value less than the lower limit for Mo 202.031 Recovery = 84.75%

Mo 203.845†	12.5	0.8226 mg/L	0.05944	0.8226 mg/L	0.05944	7.23%

QC value less than the lower limit for Mo 203.845 Recovery = 82.26%

Mo 204.597†	5609.5	0.9000 mg/L	0.01640	0.9000 mg/L	0.01640	1.82%

QC value within limits for Mo 204.597 Recovery = 90.00%

Na 588.995†	2105.0	0.5846 mg/L	0.01125	0.5846 mg/L	0.01125	1.92%
Na 589.592†	2207.6	0.5763 mg/L	0.00960	0.5763 mg/L	0.00960	1.67%
Ni 221.648†	27.0	0.9328 mg/L	0.01218	0.9328 mg/L	0.01218	1.31%

QC value within limits for Ni 221.648 Recovery = 93.28%

Ni 231.604†	11060.1	1.005 mg/L	0.0158	1.005 mg/L	0.0158	1.58%

QC value within limits for Ni 231.604 Recovery = 100.53%

Ni 232.003†	62.0	0.9923 mg/L	0.02883	0.9923 mg/L	0.02883	2.91%

QC value within limits for Ni 232.003 Recovery = 99.23%

Pb 217.000†	19.9	2.010 mg/L	0.0695	2.010 mg/L	0.0695	3.46%

QC value within limits for Pb 217.000 Recovery = 100.48%

Pb 220.353†	4488.1	1.986 mg/L	0.0392	1.986 mg/L	0.0392	1.97%

QC value within limits for Pb 220.353 Recovery = 99.32%

Sb 206.836†	3261.0	1.869 mg/L	0.0077	1.869 mg/L	0.0077	0.41%

QC value within limits for Sb 206.836 Recovery = 93.46%

Sb 217.582†	10.4	1.846 mg/L	0.1124	1.846 mg/L	0.1124	6.09%

QC value within limits for Sb 217.582 Recovery = 92.28%

Se 196.026†	857.5	1.080 mg/L	0.0092	1.080 mg/L	0.0092	0.85%

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   QC value within limits for Se 196.026  Recovery = 108.02%
Se 203.985†              513.7       1.111 mg/L        0.0112       1.111 mg/L        0.0112   1.01%
   QC value greater than the upper limit for Se 203.985  Recovery = 111.13%
Sn 189.927†             4811.3       4.460 mg/L        0.0198       4.460 mg/L        0.0198   0.44%
   QC value less than the lower limit for Sn 189.927  Recovery = 89.20%
Sn 235.485†              108.1       4.369 mg/L        0.1513       4.369 mg/L        0.1513   3.46%
   QC value less than the lower limit for Sn 235.485  Recovery = 87.38%
Sr 407.771†           100623.8       0.9731 mg/L       0.00079      0.9731 mg/L       0.00079   0.08%
   QC value within limits for Sr 407.771  Recovery = 97.31%
Sr 421.552†           158069.5       1.019 mg/L        0.0005       1.019 mg/L        0.0005   0.05%
   QC value within limits for Sr 421.552  Recovery = 101.86%
Sr 460.733†             6716.3       0.9712 mg/L       0.01792      0.9712 mg/L       0.01792   1.85%
   QC value within limits for Sr 460.733  Recovery = 97.12%
Ti 334.940†             7878.1       0.8919 mg/L       0.00347      0.8919 mg/L       0.00347   0.39%
   QC value less than the lower limit for Ti 334.940  Recovery = 89.19%
Ti 336.121†             6728.0       0.8940 mg/L       0.00170      0.8940 mg/L       0.00170   0.19%
   QC value less than the lower limit for Ti 336.121  Recovery = 89.40%
Ti 337.279†             2547.2       0.8989 mg/L       0.00893      0.8989 mg/L       0.00893   0.99%
   QC value less than the lower limit for Ti 337.279  Recovery = 89.89%
Tl 190.801†             3361.7       4.994 mg/L        0.0103       4.994 mg/L        0.0103   0.21%
   QC value within limits for Tl 190.801  Recovery = 99.88%
Tl 276.787†            16464.4       4.685 mg/L        0.0950       4.685 mg/L        0.0950   2.03%
   QC value within limits for Tl 276.787  Recovery = 93.71%
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†               869.6       0.9927 mg/L       0.01745      0.9927 mg/L       0.01745   1.76%
   QC value within limits for V 290.880  Recovery = 99.27%
V 309.310†              1632.7       0.9949 mg/L       0.02091      0.9949 mg/L       0.02091   2.10%
   QC value within limits for V 309.310  Recovery = 99.49%
V 310.230†            135521.1       0.9932 mg/L       0.01687      0.9932 mg/L       0.01687   1.70%
   QC value within limits for V 310.230  Recovery = 99.32%
Zn 202.548†              168.1       0.9427 mg/L       0.02531      0.9427 mg/L       0.02531   2.68%
   QC value within limits for Zn 202.548  Recovery = 94.27%
Zn 206.200†               81.2       0.9480 mg/L       0.01991      0.9480 mg/L       0.01991   2.10%
   QC value within limits for Zn 206.200  Recovery = 94.80%
Zn 213.857†              393.4       0.9436 mg/L       0.02080      0.9436 mg/L       0.02080   2.20%
   QC value within limits for Zn 213.857  Recovery = 94.36%
QC Failed.  Continue with analysis.
```

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

Autosampler Location: 3
Date Collected: 9/12/01 1:01:45 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	132510.1						1747.01	1.32%
Y 360.073	3182758.0						22713.58	0.71%
Ag 328.068†	8270.6	0.04915	mg/L	0.000601	0.04915	mg/L	0.000601	1.22%
QC value within limits for Ag 328.068 Recovery = 98.30%								
Ag 338.289†	4556.1	0.04929	mg/L	0.000916	0.04929	mg/L	0.000916	1.86%
QC value within limits for Ag 338.289 Recovery = 98.58%								
Al 308.215†	-19.1	-0.07964	mg/L	0.006720	-0.07964	mg/L	0.006720	8.44%
Al 394.401†	-32.8	-0.07012	mg/L	0.004000	-0.07012	mg/L	0.004000	5.70%
Al 396.153†	-136.9	-0.07504	mg/L	0.007874	-0.07504	mg/L	0.007874	10.49%
As 188.979†	0.3	0.1125	mg/L	0.46064	0.1125	mg/L	0.46064	409.46%
As 193.696†	0.8	0.00123	mg/L	0.001372	0.00123	mg/L	0.001372	111.80%
As 197.197†	-0.1	-0.06897	mg/L	0.086981	-0.06897	mg/L	0.086981	126.11%
B 208.889†	0.4	0.01655	mg/L	0.006609	0.01655	mg/L	0.006609	39.92%
B 249.677†	2.7	0.01220	mg/L	0.005906	0.01220	mg/L	0.005906	48.42%
B 249.772†	5.4	0.01151	mg/L	0.003591	0.01151	mg/L	0.003591	31.20%
Ba 233.527†	-0.6	-0.00102	mg/L	0.000541	-0.00102	mg/L	0.000541	52.97%
Ba 455.403†	0.7	0.00001	mg/L	0.000028	0.00001	mg/L	0.000028	231.86%
Ba 493.408†	88.0	0.00084	mg/L	0.000447	0.00084	mg/L	0.000447	53.34%
Be 234.861†	30.9	0.00012	mg/L	0.000033	0.00012	mg/L	0.000033	26.25%
Be 313.042†	4.7	0.00021	mg/L	0.000142	0.00021	mg/L	0.000142	68.17%

Be 313.107†	4.7	0.00021 mg/L	0.000142	0.00021 mg/L	0.000142	68.17%
Ca 315.887†	-133.4	-0.1249 mg/L	0.00896	-0.1249 mg/L	0.00896	7.17%
Ca 317.933†	-107.8	-0.1198 mg/L	0.00176	-0.1198 mg/L	0.00176	1.47%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	6.9	0.00022 mg/L	0.000016	0.00022 mg/L	0.000016	7.27%
Cd 228.802†	-0.0	-0.00005 mg/L	0.000096	-0.00005 mg/L	0.000096	180.62%
Ce 413.380†	10.5	0.01161 mg/L	0.019010	0.01161 mg/L	0.019010	163.68%
Ce 413.764†	-10.1	-0.01080 mg/L	0.006405	-0.01080 mg/L	0.006405	59.31%
Ce 418.660†	13.3	0.00677 mg/L	0.003518	0.00677 mg/L	0.003518	51.97%
Co 228.616†	-5.4	-0.00016 mg/L	0.000196	-0.00016 mg/L	0.000196	126.06%
Co 230.786†	0.0	0.00028 mg/L	0.004684	0.00028 mg/L	0.004684	>999.9%
Co 238.892†	-0.8	-0.00384 mg/L	0.003573	-0.00384 mg/L	0.003573	92.98%
Cr 205.560†	0.1	0.00306 mg/L	0.014233	0.00306 mg/L	0.014233	465.44%
Cr 267.716†	11.0	0.00050 mg/L	0.000073	0.00050 mg/L	0.000073	14.55%
Cr 283.563†	-1.4	-0.00161 mg/L	0.001616	-0.00161 mg/L	0.001616	100.22%
Cu 224.700†	-0.1	-0.00138 mg/L	0.011848	-0.00138 mg/L	0.011848	860.43%
Cu 324.752†	-1.8	-0.00050 mg/L	0.000346	-0.00050 mg/L	0.000346	69.59%
Cu 327.393†	-14.4	-0.00026 mg/L	0.000297	-0.00026 mg/L	0.000297	114.09%
Fe 238.204†	-0.8	-0.00145 mg/L	0.001829	-0.00145 mg/L	0.001829	125.96%
Fe 239.562†	-0.1	-0.00032 mg/L	0.001237	-0.00032 mg/L	0.001237	383.62%
Fe 259.939†	-2.1	-0.00170 mg/L	0.000822	-0.00170 mg/L	0.000822	48.29%
Fe 273.955†	-0.5	-0.00279 mg/L	0.003625	-0.00279 mg/L	0.003625	129.74%
K 766.490†	-45.5	-0.09975 mg/L	0.063139	-0.09975 mg/L	0.063139	63.30%
Li 610.362†	125.8	0.02432 mg/L	0.007204	0.02432 mg/L	0.007204	29.62%
Li 670.784†	-21.5	-0.00053 mg/L	0.001630	-0.00053 mg/L	0.001630	305.86%
Mg 279.077†	-11.2	-0.05384 mg/L	0.022094	-0.05384 mg/L	0.022094	41.04%
Mg 280.271†	-516.0	-0.01535 mg/L	0.000432	-0.01535 mg/L	0.000432	2.81%
Mg 285.213†	-15.1	-0.01638 mg/L	0.001320	-0.01638 mg/L	0.001320	8.06%
Mn 257.610†	-0.0	0.00000 mg/L	0.000072	0.00000 mg/L	0.000072	>999.9%
Mn 259.372†	2.3	0.00029 mg/L	0.000489	0.00029 mg/L	0.000489	169.39%
Mn 260.568†	-0.8	-0.00020 mg/L	0.000349	-0.00020 mg/L	0.000349	171.85%
Mo 202.031†	0.1	0.00271 mg/L	0.020685	0.00271 mg/L	0.020685	764.07%
Mo 203.845†	-0.2	-0.01020 mg/L	0.028740	-0.01020 mg/L	0.028740	281.80%
Mo 204.597†	7.3	0.00117 mg/L	0.000294	0.00117 mg/L	0.000294	25.05%
Na 588.995†	-1568.9	-0.4357 mg/L	0.01625	-0.4357 mg/L	0.01625	3.73%
Na 589.592†	-1690.0	-0.4412 mg/L	0.00350	-0.4412 mg/L	0.00350	0.79%
Ni 221.648†	0.1	0.00498 mg/L	0.017098	0.00498 mg/L	0.017098	343.19%
Ni 231.604†	5.6	0.00051 mg/L	0.000328	0.00051 mg/L	0.000328	64.30%
Ni 232.003†	-0.6	-0.01021 mg/L	0.003494	-0.01021 mg/L	0.003494	34.20%
Pb 217.000†	0.2	0.02354 mg/L	0.116118	0.02354 mg/L	0.116118	493.27%
Pb 220.353†	2.5	0.00109 mg/L	0.000848	0.00109 mg/L	0.000848	78.08%
Sb 206.836†	0.2	0.00011 mg/L	0.002809	0.00011 mg/L	0.002809	>999.9%
Sb 217.582†	-0.6	-0.1042 mg/L	0.08887	-0.1042 mg/L	0.08887	85.26%
Se 196.026†	1.5	0.00185 mg/L	0.002003	0.00185 mg/L	0.002003	108.46%
Se 203.985†	3.5	0.00753 mg/L	0.002621	0.00753 mg/L	0.002621	34.81%
Sn 189.927†	2.0	0.00182 mg/L	0.002625	0.00182 mg/L	0.002625	144.44%
Sn 235.485†	-1.8	-0.07243 mg/L	0.017974	-0.07243 mg/L	0.017974	24.82%
Sr 407.771†	-286.1	-0.00277 mg/L	0.000048	-0.00277 mg/L	0.000048	1.75%
Sr 421.552†	-417.4	-0.00269 mg/L	0.000111	-0.00269 mg/L	0.000111	4.13%
Sr 460.733†	-8.8	-0.00127 mg/L	0.012477	-0.00127 mg/L	0.012477	985.43%
Ti 334.940†	3.5	0.00040 mg/L	0.000250	0.00040 mg/L	0.000250	62.64%
Ti 336.121†	0.6	0.00008 mg/L	0.000164	0.00008 mg/L	0.000164	202.99%
Ti 337.279†	-2.7	-0.00096 mg/L	0.000498	-0.00096 mg/L	0.000498	52.08%
Tl 190.801†	0.5	0.00074 mg/L	0.000178	0.00074 mg/L	0.000178	23.92%
Tl 276.787†	-15.2	-0.00431 mg/L	0.000870	-0.00431 mg/L	0.000870	20.18%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	0.8	0.00086 mg/L	0.001161	0.00086 mg/L	0.001161	134.24%
V 309.310†	2.1	0.00128 mg/L	0.001376	0.00128 mg/L	0.001376	107.40%
V 310.230†	11.0	0.00008 mg/L	0.000874	0.00008 mg/L	0.000874	>999.9%
Zn 202.548†	0.5	0.00273 mg/L	0.001452	0.00273 mg/L	0.001452	53.13%
Zn 206.200†	0.9	0.01044 mg/L	0.005410	0.01044 mg/L	0.005410	51.81%
Zn 213.857†	2.3	0.00558 mg/L	0.002787	0.00558 mg/L	0.002787	49.92%

All analytes passed QC.

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

Autosampler Location: 4
Date Collected: 9/12/01 1:06:13 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	128748.0						1474.27	1.15%
Y 360.073	3063827.9						13093.05	0.43%
Ag 328.068†	-163.8	-0.00097	mg/L	0.000007	-0.00097	mg/L	0.000007	0.69%
Ag 338.289†	115.3	0.00125	mg/L	0.000125	0.00125	mg/L	0.000125	10.02%
Al 308.215†	23081.0	96.38	mg/L	1.524	96.38	mg/L	1.524	1.58%
QC value within limits for Al 308.215 Recovery = 96.38%								
Al 394.401†	44898.0	96.12	mg/L	1.536	96.12	mg/L	1.536	1.60%
Al 396.153†	178649.3	97.49	mg/L	0.272	97.49	mg/L	0.272	0.28%
As 188.979†	1.3	0.5148	mg/L	0.59173	0.5148	mg/L	0.59173	114.94%
As 193.696†	0.5	0.00084	mg/L	0.008047	0.00084	mg/L	0.008047	952.37%
As 197.197†	0.4	0.2045	mg/L	0.34649	0.2045	mg/L	0.34649	169.39%
B 208.889†	1.6	0.06096	mg/L	0.099299	0.06096	mg/L	0.099299	162.90%
B 249.677†	-1.1	-0.00485	mg/L	0.016225	-0.00485	mg/L	0.016225	334.69%
B 249.772†	75.3	0.1598	mg/L	0.00275	0.1598	mg/L	0.00275	1.72%
Ba 233.527†	1.0	0.00173	mg/L	0.000419	0.00173	mg/L	0.000419	24.23%
Ba 455.403†	-1.7	-0.00003	mg/L	0.000034	-0.00003	mg/L	0.000034	110.84%
Ba 493.408†	98.5	0.00094	mg/L	0.000191	0.00094	mg/L	0.000191	20.35%
Be 234.861†	-171087.3	-0.6869	mg/L	0.00400	-0.6869	mg/L	0.00400	0.58%
Be 313.042†	5.2	0.00023	mg/L	0.000068	0.00023	mg/L	0.000068	29.83%
Be 313.107†	5.2	0.00023	mg/L	0.000068	0.00023	mg/L	0.000068	29.83%
Ca 315.887†	109674.7	102.7	mg/L	1.49	102.7	mg/L	1.49	1.45%
QC value within limits for Ca 315.887 Recovery = 102.67%								
Ca 317.933†	85786.2	95.28	mg/L	0.352	95.28	mg/L	0.352	0.37%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	80.5	0.00261	mg/L	0.000226	0.00261	mg/L	0.000226	8.63%
Cd 228.802†	-1.0	-0.00183	mg/L	0.000678	-0.00183	mg/L	0.000678	37.13%
Ce 413.380†	29.3	0.03240	mg/L	0.012971	0.03240	mg/L	0.012971	40.03%
Ce 413.764†	3.2	0.00345	mg/L	0.008295	0.00345	mg/L	0.008295	240.62%
Ce 418.660†	29.2	0.01487	mg/L	0.004702	0.01487	mg/L	0.004702	31.63%
Co 228.616†	-44.6	-0.00128	mg/L	0.000292	-0.00128	mg/L	0.000292	22.72%
Co 230.786†	0.6	0.00357	mg/L	0.006099	0.00357	mg/L	0.006099	170.70%
Co 238.892†	-23.7	-0.1140	mg/L	0.00793	-0.1140	mg/L	0.00793	6.96%
Cr 205.560†	-0.5	-0.02237	mg/L	0.020853	-0.02237	mg/L	0.020853	93.20%
Cr 267.716†	-32.6	-0.00149	mg/L	0.000083	-0.00149	mg/L	0.000083	5.54%
Cr 283.563†	26.5	0.02962	mg/L	0.000735	0.02962	mg/L	0.000735	2.48%
Cu 224.700†	1.3	0.01527	mg/L	0.022296	0.01527	mg/L	0.022296	145.98%
Cu 324.752†	4.2	0.00118	mg/L	0.000776	0.00118	mg/L	0.000776	65.56%
Cu 327.393†	90.4	0.00163	mg/L	0.000284	0.00163	mg/L	0.000284	17.41%
Fe 238.204†	49590.6	93.37	mg/L	0.338	93.37	mg/L	0.338	0.36%
Fe 239.562†	38796.8	92.76	mg/L	1.357	92.76	mg/L	1.357	1.46%
Fe 259.939†	114924.5	93.66	mg/L	0.227	93.66	mg/L	0.227	0.24%
Fe 273.955†	19216.9	103.8	mg/L	1.68	103.8	mg/L	1.68	1.62%
QC value within limits for Fe 273.955 Recovery = 103.79%								
K 766.490†	46672.4	102.4	mg/L	1.67	102.4	mg/L	1.67	1.63%
QC value within limits for K 766.490 Recovery = 102.37%								
Li 610.362†	-177.0	-0.03421	mg/L	0.013745	-0.03421	mg/L	0.013745	40.18%
Li 670.784†	311.1	0.00771	mg/L	0.002034	0.00771	mg/L	0.002034	26.39%
Mg 279.077†	12320.7	58.96	mg/L	1.051	58.96	mg/L	1.051	1.78%
QC value within limits for Mg 279.077 Recovery = 98.27%								
Mg 280.271†	1860891.8	55.37	mg/L	0.165	55.37	mg/L	0.165	0.30%
Mg 285.213†	51046.3	55.21	mg/L	0.143	55.21	mg/L	0.143	0.26%
Mn 257.610†	16.9	0.00347	mg/L	0.000371	0.00347	mg/L	0.000371	10.72%
Mn 259.372†	829.8	0.00259	mg/L	0.000607	0.00259	mg/L	0.000607	23.39%
Mn 260.568†	1.3	0.00035	mg/L	0.000364	0.00035	mg/L	0.000364	105.20%
Mo 202.031†	-2.6	-0.1026	mg/L	0.04539	-0.1026	mg/L	0.04539	44.23%
Mo 203.845†	-0.2	-0.01536	mg/L	0.050832	-0.01536	mg/L	0.050832	331.04%
Mo 204.597†	13.8	0.00221	mg/L	0.000381	0.00221	mg/L	0.000381	17.21%
Na 588.995†	342029.4	94.99	mg/L	0.200	94.99	mg/L	0.200	0.21%
Na 589.592†	372759.9	97.31	mg/L	0.244	97.31	mg/L	0.244	0.25%
QC value within limits for Na 589.592 Recovery = 97.31%								
Ni 221.648†	0.7	0.02342	mg/L	0.028159	0.02342	mg/L	0.028159	120.25%
Ni 231.604†	21.5	0.00195	mg/L	0.000024	0.00195	mg/L	0.000024	1.25%
Ni 232.003†	-0.3	-0.00526	mg/L	0.020339	-0.00526	mg/L	0.020339	386.65%
Pb 217.000†	0.8	0.08403	mg/L	0.115458	0.08403	mg/L	0.115458	137.40%
Pb 220.353†	3.2	0.00142	mg/L	0.001292	0.00142	mg/L	0.001292	91.21%

Sb 206.836†	-0.0	0.00000 mg/L	0.001573	0.00000 mg/L	0.001573	>999.9%
Sb 217.582†	-0.1	-0.01185 mg/L	0.073041	-0.01185 mg/L	0.073041	616.41%
Se 196.026†	-18.2	-0.02294 mg/L	0.002293	-0.02294 mg/L	0.002293	10.00%
Se 203.985†	10.8	0.02344 mg/L	0.007714	0.02344 mg/L	0.007714	32.91%
Sn 189.927†	0.4	0.00034 mg/L	0.002872	0.00034 mg/L	0.002872	837.65%
Sn 235.485†	329.1	13.30 mg/L	0.524	13.30 mg/L	0.524	3.94%
Sr 407.771†	-41.5	-0.00040 mg/L	0.000030	-0.00040 mg/L	0.000030	7.50%
Sr 421.552†	42.9	0.00028 mg/L	0.000104	0.00028 mg/L	0.000104	37.75%
Sr 460.733†	-21.1	-0.00305 mg/L	0.008392	-0.00305 mg/L	0.008392	275.48%
Ti 334.940†	8.4	0.00095 mg/L	0.000230	0.00095 mg/L	0.000230	24.11%
Ti 336.121†	4.2	0.00056 mg/L	0.000498	0.00056 mg/L	0.000498	88.93%
Ti 337.279†	3.0	0.00106 mg/L	0.000694	0.00106 mg/L	0.000694	65.66%
Tl 190.801†	4.5	0.00662 mg/L	0.006156	0.00662 mg/L	0.006156	93.05%
Tl 276.787†	9221.0	2.624 mg/L	0.0163	2.624 mg/L	0.0163	0.62%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-4.6	-0.00530 mg/L	0.002507	-0.00530 mg/L	0.002507	47.29%
V 309.310†	10.5	0.00637 mg/L	0.004989	0.00637 mg/L	0.004989	78.29%
V 310.230†	580.9	0.00426 mg/L	0.001282	0.00426 mg/L	0.001282	30.12%
Zn 202.548†	3.3	0.01479 mg/L	0.002426	0.01479 mg/L	0.002426	16.41%
Zn 206.200†	-1.3	-0.01551 mg/L	0.004742	-0.01551 mg/L	0.004742	30.57%
Zn 213.857†	17.4	0.03280 mg/L	0.002751	0.03280 mg/L	0.002751	8.39%

All analytes passed QC.

Sequence No.: 30 **Autosampler Location: 18**
Sample ID: wash **Date Collected: 9/12/01 1:10:52 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	132833.3						3012.65	2.27%
Y 360.073	3170235.4						26832.04	0.85%
Ag 328.068†	50.2	0.00030	mg/L	0.000177	0.00030	mg/L	0.000177	59.41%
Ag 338.289†	-14.2	-0.00015	mg/L	0.000599	-0.00015	mg/L	0.000599	389.18%
Al 308.215†	-13.7	-0.05732	mg/L	0.010738	-0.05732	mg/L	0.010738	18.73%
Al 394.401†	-19.6	-0.04187	mg/L	0.006270	-0.04187	mg/L	0.006270	14.97%
Al 396.153†	-91.6	-0.04909	mg/L	0.002028	-0.04909	mg/L	0.002028	4.13%
As 188.979†	-0.3	-0.1270	mg/L	0.24297	-0.1270	mg/L	0.24297	191.31%
As 193.696†	2.1	0.00327	mg/L	0.002131	0.00327	mg/L	0.002131	65.12%
As 197.197†	-0.1	-0.06962	mg/L	0.122522	-0.06962	mg/L	0.122522	175.98%
B 208.889†	-0.3	-0.01313	mg/L	0.023873	-0.01313	mg/L	0.023873	181.88%
B 249.677†	-0.3	-0.00129	mg/L	0.011869	-0.00129	mg/L	0.011869	923.43%
B 249.772†	-4.3	-0.00917	mg/L	0.002475	-0.00917	mg/L	0.002475	26.98%
Ba 233.527†	-0.4	-0.00073	mg/L	0.002129	-0.00073	mg/L	0.002129	292.74%
Ba 455.403†	-31.8	-0.00057	mg/L	0.000030	-0.00057	mg/L	0.000030	5.35%
Ba 493.408†	14.3	0.00014	mg/L	0.000441	0.00014	mg/L	0.000441	324.13%
Be 234.861†	-17.5	-0.00007	mg/L	0.000044	-0.00007	mg/L	0.000044	62.85%
Be 313.042†	-1.1	-0.00005	mg/L	0.000120	-0.00005	mg/L	0.000120	247.80%
Be 313.107†	-1.1	-0.00005	mg/L	0.000120	-0.00005	mg/L	0.000120	247.80%
Ca 315.887†	-115.5	-0.1082	mg/L	0.00719	-0.1082	mg/L	0.00719	6.65%
Ca 317.933†	-94.8	-0.1053	mg/L	0.00523	-0.1053	mg/L	0.00523	4.96%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	1.1	0.00004	mg/L	0.000015	0.00004	mg/L	0.000015	40.96%
Cd 228.802†	0.0	0.00002	mg/L	0.000545	0.00002	mg/L	0.000545	>999.9%
Ce 413.380†	9.2	0.01022	mg/L	0.010113	0.01022	mg/L	0.010113	98.95%
Ce 413.764†	0.5	0.00058	mg/L	0.016064	0.00058	mg/L	0.016064	>999.9%
Ce 418.660†	18.0	0.00918	mg/L	0.009787	0.00918	mg/L	0.009787	106.65%
Co 228.616†	38.2	0.00110	mg/L	0.000364	0.00110	mg/L	0.000364	33.03%
Co 230.786†	0.6	0.00400	mg/L	0.001315	0.00400	mg/L	0.001315	32.85%
Co 238.892†	0.4	0.00172	mg/L	0.001946	0.00172	mg/L	0.001946	113.39%
Cr 205.560†	-0.3	-0.01439	mg/L	0.034983	-0.01439	mg/L	0.034983	243.19%
Cr 267.716†	-3.7	-0.00017	mg/L	0.000074	-0.00017	mg/L	0.000074	44.04%
Cr 283.563†	-0.8	-0.00090	mg/L	0.002471	-0.00090	mg/L	0.002471	273.32%
Cu 224.700†	0.0	0.00026	mg/L	0.006296	0.00026	mg/L	0.006296	>999.9%
Cu 324.752†	-9.7	-0.00275	mg/L	0.000326	-0.00275	mg/L	0.000326	11.89%
Cu 327.393†	-148.8	-0.00269	mg/L	0.000270	-0.00269	mg/L	0.000270	10.05%

Fe 238.204†	9.3	0.01744	mg/L	0.001927	0.01744	mg/L	0.001927	11.05%
Fe 239.562†	8.1	0.01931	mg/L	0.003931	0.01931	mg/L	0.003931	20.36%
Fe 259.939†	20.5	0.01667	mg/L	0.002357	0.01667	mg/L	0.002357	14.14%
Fe 273.955†	5.1	0.02728	mg/L	0.007057	0.02728	mg/L	0.007057	25.87%
K 766.490†	-23.9	-0.05242	mg/L	0.081801	-0.05242	mg/L	0.081801	156.06%
Li 610.362†	97.8	0.01890	mg/L	0.008909	0.01890	mg/L	0.008909	47.13%
Li 670.784†	-289.8	-0.00718	mg/L	0.001142	-0.00718	mg/L	0.001142	15.90%
Mg 279.077†	-0.7	-0.00329	mg/L	0.017169	-0.00329	mg/L	0.017169	521.42%
Mg 280.271†	483.7	0.01439	mg/L	0.001081	0.01439	mg/L	0.001081	7.51%
Mg 285.213†	13.8	0.01493	mg/L	0.002291	0.01493	mg/L	0.002291	15.34%
Mn 257.610†	-5.6	-0.00115	mg/L	0.000040	-0.00115	mg/L	0.000040	3.52%
Mn 259.372†	-8.0	-0.00095	mg/L	0.000273	-0.00095	mg/L	0.000273	28.74%
Mn 260.568†	-4.0	-0.00105	mg/L	0.000388	-0.00105	mg/L	0.000388	36.88%
Mo 202.031†	-0.7	-0.02716	mg/L	0.028435	-0.02716	mg/L	0.028435	104.70%
Mo 203.845†	0.1	0.00499	mg/L	0.072664	0.00499	mg/L	0.072664	>999.9%
Mo 204.597†	2.7	0.00044	mg/L	0.000275	0.00044	mg/L	0.000275	62.59%
Na 588.995†	-1307.8	-0.3632	mg/L	0.01858	-0.3632	mg/L	0.01858	5.12%
Na 589.592†	-1518.3	-0.3963	mg/L	0.00860	-0.3963	mg/L	0.00860	2.17%
Ni 221.648†	0.2	0.00691	mg/L	0.013429	0.00691	mg/L	0.013429	194.34%
Ni 231.604†	4.0	0.00036	mg/L	0.000126	0.00036	mg/L	0.000126	34.55%
Ni 232.003†	-1.2	-0.01987	mg/L	0.013528	-0.01987	mg/L	0.013528	68.10%
Pb 217.000†	0.5	0.04572	mg/L	0.032382	0.04572	mg/L	0.032382	70.83%
Pb 220.353†	-4.4	-0.00193	mg/L	0.002975	-0.00193	mg/L	0.002975	153.98%
Sb 206.836†	1.3	0.00075	mg/L	0.001382	0.00075	mg/L	0.001382	184.96%
Sb 217.582†	-0.4	-0.07059	mg/L	0.100454	-0.07059	mg/L	0.100454	142.30%
Se 196.026†	-0.4	-0.00045	mg/L	0.004012	-0.00045	mg/L	0.004012	894.70%
Se 203.985†	4.1	0.00883	mg/L	0.003597	0.00883	mg/L	0.003597	40.75%
Sn 189.927†	-1.5	-0.00139	mg/L	0.001489	-0.00139	mg/L	0.001489	107.33%
Sn 235.485†	-0.7	-0.02801	mg/L	0.064091	-0.02801	mg/L	0.064091	228.84%
Sr 407.771†	-325.9	-0.00315	mg/L	0.000045	-0.00315	mg/L	0.000045	1.42%
Sr 421.552†	-468.1	-0.00302	mg/L	0.000098	-0.00302	mg/L	0.000098	3.25%
Sr 460.733†	-26.9	-0.00389	mg/L	0.006010	-0.00389	mg/L	0.006010	154.60%
Ti 334.940†	1.2	0.00013	mg/L	0.000135	0.00013	mg/L	0.000135	102.20%
Ti 336.121†	-2.6	-0.00034	mg/L	0.000647	-0.00034	mg/L	0.000647	189.63%
Ti 337.279†	-1.9	-0.00068	mg/L	0.000274	-0.00068	mg/L	0.000274	40.41%
Tl 190.801†	0.3	0.00048	mg/L	0.000444	0.00048	mg/L	0.000444	92.89%
Tl 276.787†	-6.3	-0.00178	mg/L	0.001498	-0.00178	mg/L	0.001498	84.06%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	1.2	0.00137	mg/L	0.000445	0.00137	mg/L	0.000445	32.38%
V 309.310†	-1.1	-0.00066	mg/L	0.001250	-0.00066	mg/L	0.001250	188.54%
V 310.230†	204.1	0.00150	mg/L	0.000137	0.00150	mg/L	0.000137	9.15%
Zn 202.548†	-1.3	-0.00720	mg/L	0.005747	-0.00720	mg/L	0.005747	79.81%
Zn 206.200†	0.1	0.00126	mg/L	0.001824	0.00126	mg/L	0.001824	144.23%
Zn 213.857†	-2.2	-0.00521	mg/L	0.002383	-0.00521	mg/L	0.002383	45.76%

Sequence No.: 31 **Autosampler Location: 28**
Sample ID: LRB **Date Collected: 9/12/01 1:15:25 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: LRB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	129349.8						3180.12	2.46%
Y 360.073	3126718.6						45499.90	1.46%
Ag 328.068†	38.4	0.00023	mg/L	0.000227	0.00023	mg/L	0.000227	99.46%
Ag 338.289†	-15.2	-0.00016	mg/L	0.000529	-0.00016	mg/L	0.000529	321.38%
Al 308.215†	-20.0	-0.08341	mg/L	0.008102	-0.08341	mg/L	0.008102	9.71%
Al 394.401†	-36.0	-0.07697	mg/L	0.006569	-0.07697	mg/L	0.006569	8.53%
Al 396.153†	-142.9	-0.07686	mg/L	0.000572	-0.07686	mg/L	0.000572	0.74%
As 188.979†	-0.4	-0.1402	mg/L	0.42757	-0.1402	mg/L	0.42757	304.93%
As 193.696†	-2.8	-0.00433	mg/L	0.004319	-0.00433	mg/L	0.004319	99.69%
As 197.197†	0.4	0.2186	mg/L	0.16977	0.2186	mg/L	0.16977	77.67%
B 208.889†	-0.1	-0.00268	mg/L	0.079744	-0.00268	mg/L	0.079744	>999.9%
B 249.677†	-0.7	-0.00319	mg/L	0.015836	-0.00319	mg/L	0.015836	495.80%
B 249.772†	-4.0	-0.00845	mg/L	0.000338	-0.00845	mg/L	0.000338	4.00%
Ba 233.527†	-1.2	-0.00193	mg/L	0.001949	-0.00193	mg/L	0.001949	100.81%

Ba 455.403†	-1.2	-0.00002 mg/L	0.000049	-0.00002 mg/L	0.000049	234.70%
Ba 493.408†	59.1	0.00056 mg/L	0.000210	0.00056 mg/L	0.000210	37.35%
Be 234.861†	-33.5	-0.00013 mg/L	0.000037	-0.00013 mg/L	0.000037	27.16%
Be 313.042†	-2.3	-0.00010 mg/L	0.000150	-0.00010 mg/L	0.000150	146.11%
Be 313.107†	-2.3	-0.00010 mg/L	0.000150	-0.00010 mg/L	0.000150	146.11%
Ca 315.887†	-80.6	-0.07544 mg/L	0.009907	-0.07544 mg/L	0.009907	13.13%
Ca 317.933†	-60.9	-0.06770 mg/L	0.009144	-0.06770 mg/L	0.009144	13.51%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	-7.0	-0.00023 mg/L	0.000118	-0.00023 mg/L	0.000118	52.17%
Cd 228.802†	-0.6	-0.00115 mg/L	0.001192	-0.00115 mg/L	0.001192	104.13%
Ce 413.380†	-1.1	-0.00123 mg/L	0.005827	-0.00123 mg/L	0.005827	474.89%
Ce 413.764†	-1.6	-0.00170 mg/L	0.010227	-0.00170 mg/L	0.010227	603.04%
Ce 418.660†	-16.0	-0.00813 mg/L	0.005429	-0.00813 mg/L	0.005429	66.79%
Co 228.616†	-1.2	-0.00004 mg/L	0.000399	-0.00004 mg/L	0.000399	>999.9%
Co 230.786†	-0.9	-0.00553 mg/L	0.000910	-0.00553 mg/L	0.000910	16.44%
Co 238.892†	-1.0	-0.00460 mg/L	0.002074	-0.00460 mg/L	0.002074	45.14%
Cr 205.560†	0.0	0.00170 mg/L	0.022023	0.00170 mg/L	0.022023	>999.9%
Cr 267.716†	1.2	0.00006 mg/L	0.000153	0.00006 mg/L	0.000153	272.51%
Cr 283.563†	0.8	0.00087 mg/L	0.002406	0.00087 mg/L	0.002406	275.47%
Cu 224.700†	-0.6	-0.00675 mg/L	0.020144	-0.00675 mg/L	0.020144	298.41%
Cu 324.752†	-7.0	-0.00199 mg/L	0.000379	-0.00199 mg/L	0.000379	19.05%
Cu 327.393†	-55.4	-0.00100 mg/L	0.000499	-0.00100 mg/L	0.000499	49.74%
Fe 238.204†	2.1	0.00399 mg/L	0.000295	0.00399 mg/L	0.000295	7.40%
Fe 239.562†	3.5	0.00831 mg/L	0.001739	0.00831 mg/L	0.001739	20.93%
Fe 259.939†	7.7	0.00627 mg/L	0.002439	0.00627 mg/L	0.002439	38.88%
Fe 273.955†	1.3	0.00684 mg/L	0.001928	0.00684 mg/L	0.001928	28.19%
K 766.490†	-96.6	-0.2120 mg/L	0.04316	-0.2120 mg/L	0.04316	20.36%
Li 610.362†	-17.0	-0.00328 mg/L	0.012962	-0.00328 mg/L	0.012962	394.63%
Li 670.784†	-244.7	-0.00606 mg/L	0.000417	-0.00606 mg/L	0.000417	6.88%
Mg 279.077†	-7.8	-0.03737 mg/L	0.018761	-0.03737 mg/L	0.018761	50.20%
Mg 280.271†	-377.0	-0.01122 mg/L	0.000511	-0.01122 mg/L	0.000511	4.55%
Mg 285.213†	-10.8	-0.01169 mg/L	0.001411	-0.01169 mg/L	0.001411	12.07%
Mn 257.610†	-4.0	-0.00082 mg/L	0.000318	-0.00082 mg/L	0.000318	38.81%
Mn 259.372†	-6.6	-0.00069 mg/L	0.000840	-0.00069 mg/L	0.000840	120.86%
Mn 260.568†	-1.8	-0.00048 mg/L	0.000245	-0.00048 mg/L	0.000245	51.31%
Mo 202.031†	-0.9	-0.03649 mg/L	0.056708	-0.03649 mg/L	0.056708	155.42%
Mo 203.845†	0.4	0.02309 mg/L	0.028027	0.02309 mg/L	0.028027	121.37%
Mo 204.597†	3.0	0.00048 mg/L	0.000585	0.00048 mg/L	0.000585	122.64%
Na 588.995†	-1531.6	-0.4253 mg/L	0.03039	-0.4253 mg/L	0.03039	7.14%
Na 589.592†	-1663.1	-0.4341 mg/L	0.00662	-0.4341 mg/L	0.00662	1.53%
Ni 221.648†	-0.1	-0.00299 mg/L	0.028614	-0.00299 mg/L	0.028614	956.64%
Ni 231.604†	3.9	0.00036 mg/L	0.000303	0.00036 mg/L	0.000303	84.40%
Ni 232.003†	-1.0	-0.01620 mg/L	0.009405	-0.01620 mg/L	0.009405	58.05%
Pb 217.000†	0.1	0.00874 mg/L	0.093950	0.00874 mg/L	0.093950	>999.9%
Pb 220.353†	-3.4	-0.00151 mg/L	0.001275	-0.00151 mg/L	0.001275	84.44%
Sb 206.836†	-0.5	-0.00027 mg/L	0.001268	-0.00027 mg/L	0.001268	466.79%
Sb 217.582†	0.1	0.01442 mg/L	0.158860	0.01442 mg/L	0.158860	>999.9%
Se 196.026†	2.3	0.00295 mg/L	0.002553	0.00295 mg/L	0.002553	86.40%
Se 203.985†	-4.4	-0.00960 mg/L	0.004143	-0.00960 mg/L	0.004143	43.16%
Sn 189.927†	-0.6	-0.00059 mg/L	0.001671	-0.00059 mg/L	0.001671	284.15%
Sn 235.485†	-1.0	-0.04164 mg/L	0.037615	-0.04164 mg/L	0.037615	90.34%
Sr 407.771†	-287.3	-0.00278 mg/L	0.000006	-0.00278 mg/L	0.000006	0.22%
Sr 421.552†	-401.9	-0.00259 mg/L	0.000106	-0.00259 mg/L	0.000106	4.10%
Sr 460.733†	-16.1	-0.00233 mg/L	0.024171	-0.00233 mg/L	0.024171	>999.9%
Ti 334.940†	1.8	0.00020 mg/L	0.000209	0.00020 mg/L	0.000209	102.84%
Ti 336.121†	-1.9	-0.00026 mg/L	0.000514	-0.00026 mg/L	0.000514	200.11%
Ti 337.279†	-2.5	-0.00089 mg/L	0.000192	-0.00089 mg/L	0.000192	21.68%
Tl 190.801†	-0.0	0.00000 mg/L	0.002667	0.00000 mg/L	0.002667	>999.9%
Tl 276.787†	-10.8	-0.00307 mg/L	0.001132	-0.00307 mg/L	0.001132	36.92%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	1.3	0.00144 mg/L	0.000291	0.00144 mg/L	0.000291	20.18%
V 309.310†	0.1	0.00007 mg/L	0.001457	0.00007 mg/L	0.001457	>999.9%
V 310.230†	-102.0	-0.00075 mg/L	0.000868	-0.00075 mg/L	0.000868	116.15%
Zn 202.548†	-0.6	-0.00332 mg/L	0.008601	-0.00332 mg/L	0.008601	258.86%
Zn 206.200†	0.6	0.00683 mg/L	0.002887	0.00683 mg/L	0.002887	42.28%
Zn 213.857†	1.0	0.00253 mg/L	0.002840	0.00253 mg/L	0.002840	112.32%

Analyst:
Sample Wt:
Dilution:

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	127070.7						2253.76	1.77%
Y 360.073	3098629.9						39099.80	1.26%
Ag 328.068†	4328.6	0.02572	mg/L	0.000104	0.02572	mg/L	0.000104	0.41%
Ag 338.289†	2399.0	0.02595	mg/L	0.000565	0.02595	mg/L	0.000565	2.18%
Al 308.215†	227.3	0.9490	mg/L	0.01602	0.9490	mg/L	0.01602	1.69%
Al 394.401†	439.9	0.9419	mg/L	0.01806	0.9419	mg/L	0.01806	1.92%
Al 396.153†	1895.3	1.046	mg/L	0.0310	1.046	mg/L	0.0310	2.96%
As 188.979†	1.8	0.7197	mg/L	0.22022	0.7197	mg/L	0.22022	30.60%
As 193.696†	136.0	0.2137	mg/L	0.00738	0.2137	mg/L	0.00738	3.45%
As 197.197†	0.7	0.3440	mg/L	0.11230	0.3440	mg/L	0.11230	32.64%
B 208.889†	24.6	0.9353	mg/L	0.03083	0.9353	mg/L	0.03083	3.30%
B 249.677†	199.6	0.8988	mg/L	0.00307	0.8988	mg/L	0.00307	0.34%
B 249.772†	423.6	0.8993	mg/L	0.02095	0.8993	mg/L	0.02095	2.33%
Ba 233.527†	118.0	0.1978	mg/L	0.00526	0.1978	mg/L	0.00526	2.66%
Ba 455.403†	11668.3	0.2073	mg/L	0.00512	0.2073	mg/L	0.00512	2.47%
Ba 493.408†	21553.5	0.2054	mg/L	0.00500	0.2054	mg/L	0.00500	2.43%
Be 234.861†	955.8	0.00384	mg/L	0.000292	0.00384	mg/L	0.000292	7.61%
Be 313.042†	228.3	0.01010	mg/L	0.000115	0.01010	mg/L	0.000115	1.14%
Be 313.107†	228.3	0.01010	mg/L	0.000115	0.01010	mg/L	0.000115	1.14%
Ca 315.887†	58665.5	54.92	mg/L	1.340	54.92	mg/L	1.340	2.44%
Ca 317.933†	45794.7	50.87	mg/L	1.309	50.87	mg/L	1.309	2.57%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	1498.3	0.04865	mg/L	0.000742	0.04865	mg/L	0.000742	1.52%
Cd 228.802†	27.2	0.04891	mg/L	0.000185	0.04891	mg/L	0.000185	0.38%
Ce 413.380†	461.3	0.5099	mg/L	0.02406	0.5099	mg/L	0.02406	4.72%
Ce 413.764†	467.2	0.5018	mg/L	0.00265	0.5018	mg/L	0.00265	0.53%
Ce 418.660†	1042.4	0.5312	mg/L	0.02506	0.5312	mg/L	0.02506	4.72%
Co 228.616†	3331.7	0.09601	mg/L	0.001727	0.09601	mg/L	0.001727	1.80%
Co 230.786†	15.2	0.09887	mg/L	0.007695	0.09887	mg/L	0.007695	7.78%
Co 238.892†	19.7	0.09461	mg/L	0.002768	0.09461	mg/L	0.002768	2.93%
Cr 205.560†	1.7	0.07891	mg/L	0.006129	0.07891	mg/L	0.006129	7.77%
Cr 267.716†	2149.5	0.09836	mg/L	0.001620	0.09836	mg/L	0.001620	1.65%
Cr 283.563†	90.3	0.1010	mg/L	0.00420	0.1010	mg/L	0.00420	4.16%
Cu 224.700†	7.6	0.09334	mg/L	0.015257	0.09334	mg/L	0.015257	16.35%
Cu 324.752†	324.2	0.09173	mg/L	0.002227	0.09173	mg/L	0.002227	2.43%
Cu 327.393†	5312.9	0.09605	mg/L	0.000907	0.09605	mg/L	0.000907	0.94%
Fe 238.204†	538.0	1.013	mg/L	0.0182	1.013	mg/L	0.0182	1.80%
Fe 239.562†	426.6	1.020	mg/L	0.0167	1.020	mg/L	0.0167	1.64%
Fe 259.939†	1249.4	1.018	mg/L	0.0142	1.018	mg/L	0.0142	1.39%
Fe 273.955†	209.3	1.130	mg/L	0.0187	1.130	mg/L	0.0187	1.65%
K 766.490†	12299.5	26.98	mg/L	0.683	26.98	mg/L	0.683	2.53%
Li 610.362†	394.1	0.07617	mg/L	0.017109	0.07617	mg/L	0.017109	22.46%
Li 670.784†	3770.2	0.09338	mg/L	0.002950	0.09338	mg/L	0.002950	3.16%
Mg 279.077†	4312.9	20.64	mg/L	0.349	20.64	mg/L	0.349	1.69%
Mg 280.271†	664451.2	19.77	mg/L	0.082	19.77	mg/L	0.082	0.41%
Mg 285.213†	18600.8	20.12	mg/L	0.497	20.12	mg/L	0.497	2.47%
Mn 257.610†	962.8	0.1973	mg/L	0.00309	0.1973	mg/L	0.00309	1.57%
Mn 259.372†	1508.9	0.1969	mg/L	0.00282	0.1969	mg/L	0.00282	1.43%
Mn 260.568†	748.7	0.1974	mg/L	0.00423	0.1974	mg/L	0.00423	2.14%
Mo 202.031†	0.3	0.01271	mg/L	0.018921	0.01271	mg/L	0.018921	148.86%
Mo 203.845†	1.8	0.1193	mg/L	0.12012	0.1193	mg/L	0.12012	100.68%
Mo 204.597†	621.7	0.09976	mg/L	0.001213	0.09976	mg/L	0.001213	1.22%
Na 588.995†	177620.1	49.33	mg/L	0.163	49.33	mg/L	0.163	0.33%
Na 589.592†	191882.9	50.09	mg/L	0.226	50.09	mg/L	0.226	0.45%
Ni 221.648†	6.6	0.2269	mg/L	0.01341	0.2269	mg/L	0.01341	5.91%
Ni 231.604†	2149.8	0.1954	mg/L	0.00340	0.1954	mg/L	0.00340	1.74%
Ni 232.003†	11.9	0.1898	mg/L	0.01137	0.1898	mg/L	0.01137	5.99%
Pb 217.000†	4.2	0.4258	mg/L	0.00735	0.4258	mg/L	0.00735	1.73%
Pb 220.353†	1118.9	0.4952	mg/L	0.00834	0.4952	mg/L	0.00834	1.68%
Sb 206.836†	897.3	0.5143	mg/L	0.00591	0.5143	mg/L	0.00591	1.15%
Sb 217.582†	2.6	0.4660	mg/L	0.05844	0.4660	mg/L	0.05844	12.54%
Se 196.026†	404.4	0.5095	mg/L	0.00551	0.5095	mg/L	0.00551	1.08%

Se 203.985†	223.2	0.4828 mg/L	0.00256	0.4828 mg/L	0.00256	0.53%
Sn 189.927†	536.6	0.4974 mg/L	0.00753	0.4974 mg/L	0.00753	1.51%
Sn 235.485†	13.0	0.5271 mg/L	0.04090	0.5271 mg/L	0.04090	7.76%
Sr 407.771†	100784.2	0.9747 mg/L	0.00062	0.9747 mg/L	0.00062	0.06%
Sr 421.552†	158033.9	1.018 mg/L	0.0031	1.018 mg/L	0.0031	0.30%
Sr 460.733†	7095.1	1.026 mg/L	0.0223	1.026 mg/L	0.0223	2.18%
Ti 334.940†	894.1	0.1012 mg/L	0.00190	0.1012 mg/L	0.00190	1.88%
Ti 336.121†	758.9	0.1008 mg/L	0.00104	0.1008 mg/L	0.00104	1.03%
Ti 337.279†	287.2	0.1014 mg/L	0.00170	0.1014 mg/L	0.00170	1.67%
Tl 190.801†	332.9	0.4945 mg/L	0.00639	0.4945 mg/L	0.00639	1.29%
Tl 276.787†	2390.0	0.6801 mg/L	0.00270	0.6801 mg/L	0.00270	0.40%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	89.5	0.1021 mg/L	0.00140	0.1021 mg/L	0.00140	1.37%
V 309.310†	149.7	0.09125 mg/L	0.002200	0.09125 mg/L	0.002200	2.41%
V 310.230†	13700.5	0.1004 mg/L	0.00100	0.1004 mg/L	0.00100	1.00%
Zn 202.548†	168.7	0.9526 mg/L	0.02586	0.9526 mg/L	0.02586	2.71%
Zn 206.200†	81.4	0.9503 mg/L	0.00768	0.9503 mg/L	0.00768	0.81%
Zn 213.857†	409.6	0.9871 mg/L	0.00644	0.9871 mg/L	0.00644	0.65%

Sequence No.: 33 **Autosampler Location: 30**
Sample ID: Filter Blank 1 **Date Collected: 9/12/01 1:24:17 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: Filter Blank 1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	129143.8						1191.11	0.92%
Y 360.073	3141172.8						16003.91	0.51%
Ag 328.068†	30.8	0.00018	mg/L	0.000140	0.00018	mg/L	0.000140	76.85%
Ag 338.289†	-67.0	-0.00072	mg/L	0.000616	-0.00072	mg/L	0.000616	85.02%
Al 308.215†	217.6	0.9085	mg/L	0.00246	0.9085	mg/L	0.00246	0.27%
Al 394.401†	425.3	0.9105	mg/L	0.00959	0.9105	mg/L	0.00959	1.05%
Al 396.153†	1675.8	0.9144	mg/L	0.00934	0.9144	mg/L	0.00934	1.02%
As 188.979†	0.2	0.06396	mg/L	0.056547	0.06396	mg/L	0.056547	88.41%
As 193.696†	-0.9	-0.00142	mg/L	0.002280	-0.00142	mg/L	0.002280	160.26%
As 197.197†	0.6	0.3041	mg/L	0.24704	0.3041	mg/L	0.24704	81.24%
B 208.889†	14.5	0.5518	mg/L	0.03885	0.5518	mg/L	0.03885	7.04%
B 249.677†	123.5	0.5564	mg/L	0.00591	0.5564	mg/L	0.00591	1.06%
B 249.772†	259.3	0.5505	mg/L	0.00839	0.5505	mg/L	0.00839	1.52%
Ba 233.527†	136.5	0.2289	mg/L	0.00308	0.2289	mg/L	0.00308	1.35%
Ba 455.403†	13311.7	0.2365	mg/L	0.00590	0.2365	mg/L	0.00590	2.49%
Ba 493.408†	24571.2	0.2342	mg/L	0.00635	0.2342	mg/L	0.00635	2.71%
Be 234.861†	-176.4	-0.00071	mg/L	0.000042	-0.00071	mg/L	0.000042	5.92%
Be 313.042†	-3.5	-0.00016	mg/L	0.000068	-0.00016	mg/L	0.000068	43.55%
Be 313.107†	-3.5	-0.00016	mg/L	0.000068	-0.00016	mg/L	0.000068	43.55%
Ca 315.887†	3334.0	3.121	mg/L	0.0085	3.121	mg/L	0.0085	0.27%
Ca 317.933†	2621.0	2.911	mg/L	0.0636	2.911	mg/L	0.0636	2.18%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-5.8	-0.00019	mg/L	0.000146	-0.00019	mg/L	0.000146	77.86%
Cd 228.802†	-0.7	-0.00125	mg/L	0.000405	-0.00125	mg/L	0.000405	32.32%
Ce 413.380†	-4.0	-0.00437	mg/L	0.006718	-0.00437	mg/L	0.006718	153.57%
Ce 413.764†	-0.6	-0.00060	mg/L	0.009379	-0.00060	mg/L	0.009379	>999.9%
Ce 418.660†	-0.2	-0.00009	mg/L	0.010166	-0.00009	mg/L	0.010166	>999.9%
Co 228.616†	4.9	0.00014	mg/L	0.000196	0.00014	mg/L	0.000196	140.00%
Co 230.786†	-0.2	-0.00158	mg/L	0.001592	-0.00158	mg/L	0.001592	101.02%
Co 238.892†	-0.3	-0.00155	mg/L	0.001278	-0.00155	mg/L	0.001278	82.32%
Cr 205.560†	-0.0	-0.00038	mg/L	0.006230	-0.00038	mg/L	0.006230	>999.9%
Cr 267.716†	114.1	0.00522	mg/L	0.000008	0.00522	mg/L	0.000008	0.15%
Cr 283.563†	4.6	0.00518	mg/L	0.002039	0.00518	mg/L	0.002039	39.38%
Cu 224.700†	0.1	0.00137	mg/L	0.024018	0.00137	mg/L	0.024018	>999.9%
Cu 324.752†	-6.3	-0.00178	mg/L	0.001030	-0.00178	mg/L	0.001030	57.77%
Cu 327.393†	18.9	0.00034	mg/L	0.000123	0.00034	mg/L	0.000123	35.90%
Fe 238.204†	50.6	0.09531	mg/L	0.002115	0.09531	mg/L	0.002115	2.22%
Fe 239.562†	40.5	0.09673	mg/L	0.002881	0.09673	mg/L	0.002881	2.98%
Fe 259.939†	116.9	0.09523	mg/L	0.000922	0.09523	mg/L	0.000922	0.97%
Fe 273.955†	19.5	0.1051	mg/L	0.00360	0.1051	mg/L	0.00360	3.43%

K 766.490†	818.6	1.795	mg/L	0.1031	1.795	mg/L	0.1031	5.74%
Li 610.362†	-98.2	-0.01897	mg/L	0.007612	-0.01897	mg/L	0.007612	40.12%
Li 670.784†	-245.3	-0.00608	mg/L	0.000529	-0.00608	mg/L	0.000529	8.70%
Mg 279.077†	180.5	0.8638	mg/L	0.03251	0.8638	mg/L	0.03251	3.76%
Mg 280.271†	28846.5	0.8583	mg/L	0.01682	0.8583	mg/L	0.01682	1.96%
Mg 285.213†	789.8	0.8541	mg/L	0.00523	0.8541	mg/L	0.00523	0.61%
Mn 257.610†	1.6	0.00033	mg/L	0.000198	0.00033	mg/L	0.000198	59.43%
Mn 259.372†	2.2	0.00018	mg/L	0.000678	0.00018	mg/L	0.000678	380.77%
Mn 260.568†	2.1	0.00057	mg/L	0.000290	0.00057	mg/L	0.000290	51.30%
Mo 202.031†	0.0	0.00148	mg/L	0.002902	0.00148	mg/L	0.002902	196.02%
Mo 203.845†	-1.6	-0.1029	mg/L	0.03334	-0.1029	mg/L	0.03334	32.41%
Mo 204.597†	-1.6	-0.00026	mg/L	0.000166	-0.00026	mg/L	0.000166	64.95%
Na 588.995†	161360.7	44.81	mg/L	0.102	44.81	mg/L	0.102	0.23%
Na 589.592†	174069.5	45.44	mg/L	0.151	45.44	mg/L	0.151	0.33%
Ni 221.648†	-1.9	-0.06689	mg/L	0.016028	-0.06689	mg/L	0.016028	23.96%
Ni 231.604†	13.7	0.00124	mg/L	0.000396	0.00124	mg/L	0.000396	31.85%
Ni 232.003†	-0.3	-0.00502	mg/L	0.022853	-0.00502	mg/L	0.022853	455.62%
Pb 217.000†	-0.1	-0.01045	mg/L	0.114723	-0.01045	mg/L	0.114723	>999.9%
Pb 220.353†	-4.1	-0.00181	mg/L	0.000362	-0.00181	mg/L	0.000362	20.03%
Sb 206.836†	-0.4	-0.00021	mg/L	0.001594	-0.00021	mg/L	0.001594	756.54%
Sb 217.582†	-0.5	-0.09350	mg/L	0.125385	-0.09350	mg/L	0.125385	134.10%
Se 196.026†	2.5	0.00313	mg/L	0.002661	0.00313	mg/L	0.002661	85.04%
Se 203.985†	-1.9	-0.00411	mg/L	0.005014	-0.00411	mg/L	0.005014	121.98%
Sn 189.927†	1.1	0.00104	mg/L	0.000714	0.00104	mg/L	0.000714	68.59%
Sn 235.485†	0.2	0.00725	mg/L	0.042415	0.00725	mg/L	0.042415	584.65%
Sr 407.771†	-82.4	-0.00080	mg/L	0.000040	-0.00080	mg/L	0.000040	5.03%
Sr 421.552†	-81.2	-0.00052	mg/L	0.000093	-0.00052	mg/L	0.000093	17.82%
Sr 460.733†	-23.5	-0.00340	mg/L	0.004962	-0.00340	mg/L	0.004962	145.83%
Ti 334.940†	42.9	0.00486	mg/L	0.000078	0.00486	mg/L	0.000078	1.61%
Ti 336.121†	34.1	0.00453	mg/L	0.000211	0.00453	mg/L	0.000211	4.67%
Ti 337.279†	14.9	0.00526	mg/L	0.000278	0.00526	mg/L	0.000278	5.29%
Tl 190.801†	2.5	0.00377	mg/L	0.001205	0.00377	mg/L	0.001205	31.94%
Tl 276.787†	43.8	0.01247	mg/L	0.002667	0.01247	mg/L	0.002667	21.39%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	1.6	0.00188	mg/L	0.001228	0.00188	mg/L	0.001228	65.29%
V 309.310†	-0.0	-0.00001	mg/L	0.000904	-0.00001	mg/L	0.000904	>999.9%
V 310.230†	-113.0	-0.00083	mg/L	0.000326	-0.00083	mg/L	0.000326	39.39%
Zn 202.548†	2.4	0.01346	mg/L	0.003569	0.01346	mg/L	0.003569	26.52%
Zn 206.200†	0.5	0.00560	mg/L	0.006425	0.00560	mg/L	0.006425	114.73%
Zn 213.857†	3.0	0.00728	mg/L	0.002974	0.00728	mg/L	0.002974	40.84%

Sequence No.: 34 **Autosampler Location: 31**
Sample ID: Filter Blank 2 **Date Collected: 9/12/01 1:29:15 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: Filter Blank 2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	128118.9						1844.74	1.44%
Y 360.073	3103704.6						24692.93	0.80%
Ag 328.068†	60.8	0.00036	mg/L	0.000218	0.00036	mg/L	0.000218	60.44%
Ag 338.289†	-37.7	-0.00041	mg/L	0.000338	-0.00041	mg/L	0.000338	83.02%
Al 308.215†	199.2	0.8320	mg/L	0.01767	0.8320	mg/L	0.01767	2.12%
Al 394.401†	391.6	0.8383	mg/L	0.01754	0.8383	mg/L	0.01754	2.09%
Al 396.153†	1534.7	0.8398	mg/L	0.01373	0.8398	mg/L	0.01373	1.63%
As 188.979†	0.1	0.04734	mg/L	0.172021	0.04734	mg/L	0.172021	363.38%
As 193.696†	-0.7	-0.00114	mg/L	0.001820	-0.00114	mg/L	0.001820	159.17%
As 197.197†	-0.1	-0.06091	mg/L	0.194161	-0.06091	mg/L	0.194161	318.78%
B 208.889†	14.8	0.5649	mg/L	0.03970	0.5649	mg/L	0.03970	7.03%
B 249.677†	103.5	0.4660	mg/L	0.01420	0.4660	mg/L	0.01420	3.05%
B 249.772†	221.7	0.4706	mg/L	0.00806	0.4706	mg/L	0.00806	1.71%
Ba 233.527†	131.3	0.2201	mg/L	0.00451	0.2201	mg/L	0.00451	2.05%
Ba 455.403†	12594.4	0.2238	mg/L	0.00017	0.2238	mg/L	0.00017	0.08%
Ba 493.408†	23328.0	0.2223	mg/L	0.00049	0.2223	mg/L	0.00049	0.22%
Be 234.861†	-197.1	-0.00079	mg/L	0.000022	-0.00079	mg/L	0.000022	2.79%
Be 313.042†	-5.6	-0.00025	mg/L	0.000098	-0.00025	mg/L	0.000098	39.54%

Be 313.107†	-5.6	-0.00025 mg/L	0.000098	-0.00025 mg/L	0.000098	39.54%
Ca 315.887†	3144.2	2.943 mg/L	0.0479	2.943 mg/L	0.0479	1.63%
Ca 317.933†	2438.5	2.708 mg/L	0.0202	2.708 mg/L	0.0202	0.75%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	-3.5	-0.00011 mg/L	0.000025	-0.00011 mg/L	0.000025	21.86%
Cd 228.802†	-0.6	-0.00105 mg/L	0.001057	-0.00105 mg/L	0.001057	100.96%
Ce 413.380†	0.4	0.00047 mg/L	0.005425	0.00047 mg/L	0.005425	>999.9%
Ce 413.764†	-2.6	-0.00274 mg/L	0.019808	-0.00274 mg/L	0.019808	722.51%
Ce 418.660†	17.5	0.00893 mg/L	0.014107	0.00893 mg/L	0.014107	157.96%
Co 228.616†	3.8	0.00011 mg/L	0.000312	0.00011 mg/L	0.000312	282.87%
Co 230.786†	0.1	0.00081 mg/L	0.001707	0.00081 mg/L	0.001707	209.97%
Co 238.892†	0.0	0.00013 mg/L	0.001094	0.00013 mg/L	0.001094	826.53%
Cr 205.560†	0.3	0.01274 mg/L	0.011790	0.01274 mg/L	0.011790	92.54%
Cr 267.716†	110.2	0.00504 mg/L	0.000064	0.00504 mg/L	0.000064	1.28%
Cr 283.563†	1.6	0.00176 mg/L	0.002163	0.00176 mg/L	0.002163	122.97%
Cu 224.700†	0.1	0.00075 mg/L	0.017009	0.00075 mg/L	0.017009	>999.9%
Cu 324.752†	-3.1	-0.00088 mg/L	0.000827	-0.00088 mg/L	0.000827	94.36%
Cu 327.393†	-31.5	-0.00057 mg/L	0.000200	-0.00057 mg/L	0.000200	35.24%
Fe 238.204†	52.1	0.09816 mg/L	0.000411	0.09816 mg/L	0.000411	0.42%
Fe 239.562†	42.5	0.1017 mg/L	0.00341	0.1017 mg/L	0.00341	3.35%
Fe 259.939†	123.5	0.1007 mg/L	0.00166	0.1007 mg/L	0.00166	1.65%
Fe 273.955†	19.4	0.1049 mg/L	0.00549	0.1049 mg/L	0.00549	5.24%
K 766.490†	761.4	1.670 mg/L	0.0342	1.670 mg/L	0.0342	2.05%
Li 610.362†	95.5	0.01847 mg/L	0.009908	0.01847 mg/L	0.009908	53.65%
Li 670.784†	-190.1	-0.00471 mg/L	0.001513	-0.00471 mg/L	0.001513	32.15%
Mg 279.077†	164.5	0.7872 mg/L	0.01906	0.7872 mg/L	0.01906	2.42%
Mg 280.271†	26770.2	0.7965 mg/L	0.00071	0.7965 mg/L	0.00071	0.09%
Mg 285.213†	736.7	0.7967 mg/L	0.01568	0.7967 mg/L	0.01568	1.97%
Mn 257.610†	2.2	0.00045 mg/L	0.000216	0.00045 mg/L	0.000216	47.60%
Mn 259.372†	6.5	0.00111 mg/L	0.000363	0.00111 mg/L	0.000363	32.60%
Mn 260.568†	2.4	0.00063 mg/L	0.000334	0.00063 mg/L	0.000334	52.79%
Mo 202.031†	-1.9	-0.07584 mg/L	0.022745	-0.07584 mg/L	0.022745	29.99%
Mo 203.845†	-0.1	-0.00828 mg/L	0.124616	-0.00828 mg/L	0.124616	>999.9%
Mo 204.597†	-5.2	-0.00084 mg/L	0.000153	-0.00084 mg/L	0.000153	18.27%
Na 588.995†	151254.9	42.01 mg/L	0.068	42.01 mg/L	0.068	0.16%
Na 589.592†	163341.7	42.64 mg/L	0.035	42.64 mg/L	0.035	0.08%
Ni 221.648†	-1.7	-0.05717 mg/L	0.020604	-0.05717 mg/L	0.020604	36.04%
Ni 231.604†	11.4	0.00104 mg/L	0.000434	0.00104 mg/L	0.000434	41.75%
Ni 232.003†	-0.8	-0.01269 mg/L	0.013325	-0.01269 mg/L	0.013325	105.03%
Pb 217.000†	0.2	0.01735 mg/L	0.033302	0.01735 mg/L	0.033302	191.98%
Pb 220.353†	-0.9	-0.00040 mg/L	0.000375	-0.00040 mg/L	0.000375	94.54%
Sb 206.836†	-2.8	-0.00160 mg/L	0.001364	-0.00160 mg/L	0.001364	85.03%
Sb 217.582†	-0.2	-0.02714 mg/L	0.061168	-0.02714 mg/L	0.061168	225.37%
Se 196.026†	5.1	0.00648 mg/L	0.003088	0.00648 mg/L	0.003088	47.68%
Se 203.985†	-2.1	-0.00453 mg/L	0.005911	-0.00453 mg/L	0.005911	130.37%
Sn 189.927†	0.8	0.00075 mg/L	0.001677	0.00075 mg/L	0.001677	223.83%
Sn 235.485†	0.2	0.00656 mg/L	0.038296	0.00656 mg/L	0.038296	583.50%
Sr 407.771†	-94.8	-0.00092 mg/L	0.000057	-0.00092 mg/L	0.000057	6.23%
Sr 421.552†	-108.5	-0.00070 mg/L	0.000032	-0.00070 mg/L	0.000032	4.55%
Sr 460.733†	-48.9	-0.00707 mg/L	0.019191	-0.00707 mg/L	0.019191	271.35%
Ti 334.940†	46.8	0.00530 mg/L	0.000781	0.00530 mg/L	0.000781	14.75%
Ti 336.121†	35.7	0.00474 mg/L	0.000785	0.00474 mg/L	0.000785	16.56%
Ti 337.279†	15.9	0.00561 mg/L	0.001184	0.00561 mg/L	0.001184	21.09%
Tl 190.801†	-0.6	-0.00087 mg/L	0.004151	-0.00087 mg/L	0.004151	479.10%
Tl 276.787†	36.2	0.01030 mg/L	0.001360	0.01030 mg/L	0.001360	13.20%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	3.4	0.00389 mg/L	0.001194	0.00389 mg/L	0.001194	30.67%
V 309.310†	-0.9	-0.00055 mg/L	0.000669	-0.00055 mg/L	0.000669	122.67%
V 310.230†	-269.2	-0.00197 mg/L	0.000444	-0.00197 mg/L	0.000444	22.51%
Zn 202.548†	2.0	0.01152 mg/L	0.006602	0.01152 mg/L	0.006602	57.33%
Zn 206.200†	1.4	0.01658 mg/L	0.006151	0.01658 mg/L	0.006151	37.10%
Zn 213.857†	6.0	0.01444 mg/L	0.001461	0.01444 mg/L	0.001461	10.12%

Sequence No.: 35
Sample ID: Filter Blank 3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 9/12/01 1:34:10 PM
Sample Prep Volume:
Data Type: Original

Mean Data: Filter Blank 3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	126592.5						1289.02	1.02%
Y 360.073	3116239.0						12337.79	0.40%
Ag 328.068†	47.2	0.00028	mg/L	0.000164	0.00028	mg/L	0.000164	58.61%
Ag 338.289†	-14.8	-0.00016	mg/L	0.001339	-0.00016	mg/L	0.001339	834.25%
Al 308.215†	235.0	0.9811	mg/L	0.02325	0.9811	mg/L	0.02325	2.37%
Al 394.401†	466.6	0.9991	mg/L	0.01470	0.9991	mg/L	0.01470	1.47%
Al 396.153†	1856.0	1.014	mg/L	0.0316	1.014	mg/L	0.0316	3.12%
As 188.979†	0.3	0.1132	mg/L	0.23200	0.1132	mg/L	0.23200	205.03%
As 193.696†	0.2	0.00035	mg/L	0.000687	0.00035	mg/L	0.000687	195.05%
As 197.197†	0.2	0.07732	mg/L	0.384052	0.07732	mg/L	0.384052	496.72%
B 208.889†	14.2	0.5405	mg/L	0.08575	0.5405	mg/L	0.08575	15.86%
B 249.677†	112.2	0.5052	mg/L	0.01395	0.5052	mg/L	0.01395	2.76%
B 249.772†	238.4	0.5060	mg/L	0.01592	0.5060	mg/L	0.01592	3.15%
Ba 233.527†	148.6	0.2492	mg/L	0.00602	0.2492	mg/L	0.00602	2.42%
Ba 455.403†	14720.2	0.2616	mg/L	0.00437	0.2616	mg/L	0.00437	1.67%
Ba 493.408†	27043.3	0.2578	mg/L	0.00432	0.2578	mg/L	0.00432	1.68%
Be 234.861†	-204.8	-0.00082	mg/L	0.000025	-0.00082	mg/L	0.000025	3.05%
Be 313.042†	-8.9	-0.00039	mg/L	0.000123	-0.00039	mg/L	0.000123	31.28%
Be 313.107†	-8.9	-0.00039	mg/L	0.000123	-0.00039	mg/L	0.000123	31.28%
Ca 315.887†	3591.4	3.362	mg/L	0.0629	3.362	mg/L	0.0629	1.87%
Ca 317.933†	2828.2	3.141	mg/L	0.0347	3.141	mg/L	0.0347	1.10%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-4.0	-0.00013	mg/L	0.000101	-0.00013	mg/L	0.000101	77.47%
Cd 228.802†	-0.1	-0.00020	mg/L	0.000423	-0.00020	mg/L	0.000423	213.84%
Ce 413.380†	4.8	0.00535	mg/L	0.010824	0.00535	mg/L	0.010824	202.26%
Ce 413.764†	1.9	0.00209	mg/L	0.014233	0.00209	mg/L	0.014233	680.75%
Ce 418.660†	8.0	0.00409	mg/L	0.005645	0.00409	mg/L	0.005645	138.07%
Co 228.616†	23.4	0.00067	mg/L	0.000191	0.00067	mg/L	0.000191	28.35%
Co 230.786†	0.1	0.00047	mg/L	0.004997	0.00047	mg/L	0.004997	>999.9%
Co 238.892†	-0.3	-0.00154	mg/L	0.002891	-0.00154	mg/L	0.002891	187.33%
Cr 205.560†	-0.3	-0.01183	mg/L	0.010650	-0.01183	mg/L	0.010650	90.02%
Cr 267.716†	131.7	0.00603	mg/L	0.000142	0.00603	mg/L	0.000142	2.35%
Cr 283.563†	4.8	0.00540	mg/L	0.003612	0.00540	mg/L	0.003612	66.90%
Cu 224.700†	-0.7	-0.00869	mg/L	0.012250	-0.00869	mg/L	0.012250	141.04%
Cu 324.752†	-5.1	-0.00144	mg/L	0.000121	-0.00144	mg/L	0.000121	8.36%
Cu 327.393†	-5.9	-0.00011	mg/L	0.000197	-0.00011	mg/L	0.000197	184.28%
Fe 238.204†	59.4	0.1119	mg/L	0.00549	0.1119	mg/L	0.00549	4.91%
Fe 239.562†	47.8	0.1142	mg/L	0.00264	0.1142	mg/L	0.00264	2.31%
Fe 259.939†	141.5	0.1153	mg/L	0.00382	0.1153	mg/L	0.00382	3.31%
Fe 273.955†	23.9	0.1292	mg/L	0.00744	0.1292	mg/L	0.00744	5.76%
K 766.490†	937.3	2.056	mg/L	0.0578	2.056	mg/L	0.0578	2.81%
Li 610.362†	30.2	0.00583	mg/L	0.014732	0.00583	mg/L	0.014732	252.61%
Li 670.784†	-179.9	-0.00445	mg/L	0.002632	-0.00445	mg/L	0.002632	59.08%
Mg 279.077†	199.2	0.9532	mg/L	0.01792	0.9532	mg/L	0.01792	1.88%
Mg 280.271†	31298.6	0.9312	mg/L	0.01810	0.9312	mg/L	0.01810	1.94%
Mg 285.213†	848.1	0.9172	mg/L	0.01459	0.9172	mg/L	0.01459	1.59%
Mn 257.610†	3.0	0.00062	mg/L	0.000304	0.00062	mg/L	0.000304	49.33%
Mn 259.372†	8.2	0.00109	mg/L	0.000624	0.00109	mg/L	0.000624	57.53%
Mn 260.568†	2.2	0.00059	mg/L	0.000459	0.00059	mg/L	0.000459	78.42%
Mo 202.031†	-0.7	-0.02862	mg/L	0.078920	-0.02862	mg/L	0.078920	275.71%
Mo 203.845†	-1.1	-0.07203	mg/L	0.172619	-0.07203	mg/L	0.172619	239.65%
Mo 204.597†	0.3	0.00005	mg/L	0.000491	0.00005	mg/L	0.000491	948.93%
Na 588.995†	173143.1	48.08	mg/L	0.181	48.08	mg/L	0.181	0.38%
Na 589.592†	187968.6	49.07	mg/L	0.171	49.07	mg/L	0.171	0.35%
Ni 221.648†	-1.2	-0.04116	mg/L	0.009686	-0.04116	mg/L	0.009686	23.53%
Ni 231.604†	10.3	0.00093	mg/L	0.000557	0.00093	mg/L	0.000557	59.58%
Ni 232.003†	-1.4	-0.02262	mg/L	0.009726	-0.02262	mg/L	0.009726	43.00%
Pb 217.000†	1.0	0.1053	mg/L	0.06597	0.1053	mg/L	0.06597	62.67%
Pb 220.353†	-1.7	-0.00074	mg/L	0.001594	-0.00074	mg/L	0.001594	214.22%
Sb 206.836†	-3.2	-0.00181	mg/L	0.001200	-0.00181	mg/L	0.001200	66.39%
Sb 217.582†	-0.7	-0.1202	mg/L	0.02579	-0.1202	mg/L	0.02579	21.45%
Se 196.026†	6.2	0.00787	mg/L	0.001395	0.00787	mg/L	0.001395	17.72%
Se 203.985†	-2.4	-0.00525	mg/L	0.003494	-0.00525	mg/L	0.003494	66.59%
Sn 189.927†	0.7	0.00060	mg/L	0.001596	0.00060	mg/L	0.001596	264.20%
Sn 235.485†	-1.0	-0.04221	mg/L	0.028589	-0.04221	mg/L	0.028589	67.73%
Sr 407.771†	-81.8	-0.00079	mg/L	0.000039	-0.00079	mg/L	0.000039	4.97%

Sr 421.552†	-73.7	-0.00047 mg/L	0.000130	-0.00047 mg/L	0.000130	27.43%
Sr 460.733†	-1.0	-0.00014 mg/L	0.005968	-0.00014 mg/L	0.005968	>999.9%
Ti 334.940†	45.9	0.00520 mg/L	0.000339	0.00520 mg/L	0.000339	6.52%
Ti 336.121†	40.7	0.00540 mg/L	0.000295	0.00540 mg/L	0.000295	5.47%
Ti 337.279†	16.1	0.00569 mg/L	0.000520	0.00569 mg/L	0.000520	9.13%
Tl 190.801†	-1.5	-0.00224 mg/L	0.002848	-0.00224 mg/L	0.002848	127.30%
Tl 276.787†	35.2	0.01002 mg/L	0.002944	0.01002 mg/L	0.002944	29.40%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	4.5	0.00512 mg/L	0.002760	0.00512 mg/L	0.002760	53.92%
V 309.310†	-1.8	-0.00110 mg/L	0.001058	-0.00110 mg/L	0.001058	95.78%
V 310.230†	-3.4	-0.00003 mg/L	0.000825	-0.00003 mg/L	0.000825	>999.9%
Zn 202.548†	1.3	0.00749 mg/L	0.007735	0.00749 mg/L	0.007735	103.23%
Zn 206.200†	1.0	0.01147 mg/L	0.008616	0.01147 mg/L	0.008616	75.12%
Zn 213.857†	4.4	0.01066 mg/L	0.003312	0.01066 mg/L	0.003312	31.07%

Sequence No.: 36 **Autosampler Location: 33**
Sample ID: Filter Blank 3 Spike **Date Collected: 9/12/01 1:38:40 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: Filter Blank 3 Spike

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	129165.1						2359.56	1.83%
Y 360.073	3076004.8						12003.62	0.39%
Ag 328.068†	4322.5	0.02569	mg/L	0.000727	0.02569	mg/L	0.000727	2.83%
Ag 338.289†	2364.5	0.02558	mg/L	0.000335	0.02558	mg/L	0.000335	1.31%
Al 308.215†	465.8	1.945	mg/L	0.0285	1.945	mg/L	0.0285	1.47%
Al 394.401†	897.6	1.922	mg/L	0.0467	1.922	mg/L	0.0467	2.43%
Al 396.153†	3654.1	2.005	mg/L	0.0341	2.005	mg/L	0.0341	1.70%
As 188.979†	1.1	0.4134	mg/L	0.29614	0.4134	mg/L	0.29614	71.64%
As 193.696†	133.9	0.2103	mg/L	0.00300	0.2103	mg/L	0.00300	1.43%
As 197.197†	0.6	0.2807	mg/L	0.25007	0.2807	mg/L	0.25007	89.10%
B 208.889†	36.6	1.395	mg/L	0.0262	1.395	mg/L	0.0262	1.88%
B 249.677†	315.2	1.419	mg/L	0.0315	1.419	mg/L	0.0315	2.22%
B 249.772†	671.1	1.425	mg/L	0.0279	1.425	mg/L	0.0279	1.96%
Ba 233.527†	258.3	0.4331	mg/L	0.01203	0.4331	mg/L	0.01203	2.78%
Ba 455.403†	25336.3	0.4502	mg/L	0.00375	0.4502	mg/L	0.00375	0.83%
Ba 493.408†	46500.5	0.4432	mg/L	0.00378	0.4432	mg/L	0.00378	0.85%
Be 234.861†	800.2	0.00321	mg/L	0.000239	0.00321	mg/L	0.000239	7.43%
Be 313.042†	225.3	0.00996	mg/L	0.000077	0.00996	mg/L	0.000077	0.77%
Be 313.107†	225.3	0.00996	mg/L	0.000077	0.00996	mg/L	0.000077	0.77%
Ca 315.887†	60150.1	56.31	mg/L	0.617	56.31	mg/L	0.617	1.10%
Ca 317.933†	46874.9	52.07	mg/L	0.527	52.07	mg/L	0.527	1.01%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	1470.7	0.04775	mg/L	0.000076	0.04775	mg/L	0.000076	0.16%
Cd 228.802†	26.2	0.04714	mg/L	0.000607	0.04714	mg/L	0.000607	1.29%
Ce 413.380†	453.5	0.5012	mg/L	0.00673	0.5012	mg/L	0.00673	1.34%
Ce 413.764†	451.4	0.4849	mg/L	0.01685	0.4849	mg/L	0.01685	3.47%
Ce 418.660†	1005.3	0.5122	mg/L	0.02646	0.5122	mg/L	0.02646	5.16%
Co 228.616†	3229.7	0.09307	mg/L	0.000890	0.09307	mg/L	0.000890	0.96%
Co 230.786†	13.8	0.08970	mg/L	0.005351	0.08970	mg/L	0.005351	5.96%
Co 238.892†	19.1	0.09185	mg/L	0.000737	0.09185	mg/L	0.000737	0.80%
Cr 205.560†	1.5	0.06876	mg/L	0.027434	0.06876	mg/L	0.027434	39.90%
Cr 267.716†	2239.0	0.1025	mg/L	0.00166	0.1025	mg/L	0.00166	1.62%
Cr 283.563†	95.5	0.1068	mg/L	0.00079	0.1068	mg/L	0.00079	0.74%
Cu 224.700†	7.5	0.09162	mg/L	0.002035	0.09162	mg/L	0.002035	2.22%
Cu 324.752†	312.2	0.08834	mg/L	0.001535	0.08834	mg/L	0.001535	1.74%
Cu 327.393†	5254.5	0.09499	mg/L	0.001894	0.09499	mg/L	0.001894	1.99%
Fe 238.204†	577.8	1.088	mg/L	0.0190	1.088	mg/L	0.0190	1.74%
Fe 239.562†	457.2	1.093	mg/L	0.0163	1.093	mg/L	0.0163	1.49%
Fe 259.939†	1345.9	1.097	mg/L	0.0131	1.097	mg/L	0.0131	1.20%
Fe 273.955†	225.9	1.220	mg/L	0.0107	1.220	mg/L	0.0107	0.87%
K 766.490†	12933.0	28.37	mg/L	0.222	28.37	mg/L	0.222	0.78%
Li 610.362†	340.1	0.06573	mg/L	0.015156	0.06573	mg/L	0.015156	23.06%
Li 670.784†	3753.2	0.09296	mg/L	0.001469	0.09296	mg/L	0.001469	1.58%
Mg 279.077†	4407.4	21.09	mg/L	0.336	21.09	mg/L	0.336	1.59%

Mg 280.271†	689253.3	20.51 mg/L	0.219	20.51 mg/L	0.219	1.07%
Mg 285.213†	18803.3	20.34 mg/L	0.171	20.34 mg/L	0.171	0.84%
Mn 257.610†	945.7	0.1938 mg/L	0.00316	0.1938 mg/L	0.00316	1.63%
Mn 259.372†	1486.1	0.1938 mg/L	0.00207	0.1938 mg/L	0.00207	1.07%
Mn 260.568†	725.2	0.1912 mg/L	0.00356	0.1912 mg/L	0.00356	1.86%
Mo 202.031†	0.6	0.02257 mg/L	0.033013	0.02257 mg/L	0.033013	146.26%
Mo 203.845†	1.7	0.1109 mg/L	0.04291	0.1109 mg/L	0.04291	38.69%
Mo 204.597†	610.0	0.09788 mg/L	0.001397	0.09788 mg/L	0.001397	1.43%
Na 588.995†	345681.3	96.00 mg/L	1.064	96.00 mg/L	1.064	1.11%
Na 589.592†	376267.6	98.22 mg/L	0.992	98.22 mg/L	0.992	1.01%
Ni 221.648†	3.6	0.1235 mg/L	0.04304	0.1235 mg/L	0.04304	34.86%
Ni 231.604†	2119.9	0.1927 mg/L	0.00441	0.1927 mg/L	0.00441	2.29%
Ni 232.003†	11.5	0.1847 mg/L	0.03492	0.1847 mg/L	0.03492	18.90%
Pb 217.000†	5.4	0.5428 mg/L	0.17493	0.5428 mg/L	0.17493	32.23%
Pb 220.353†	1096.7	0.4854 mg/L	0.00282	0.4854 mg/L	0.00282	0.58%
Sb 206.836†	773.1	0.4431 mg/L	0.00036	0.4431 mg/L	0.00036	0.08%
Sb 217.582†	2.0	0.3460 mg/L	0.16647	0.3460 mg/L	0.16647	48.12%
Se 196.026†	402.0	0.5064 mg/L	0.00269	0.5064 mg/L	0.00269	0.53%
Se 203.985†	223.6	0.4836 mg/L	0.01148	0.4836 mg/L	0.01148	2.37%
Sn 189.927†	523.0	0.4848 mg/L	0.00446	0.4848 mg/L	0.00446	0.92%
Sn 235.485†	12.9	0.5219 mg/L	0.08485	0.5219 mg/L	0.08485	16.26%
Sr 407.771†	100196.9	0.9690 mg/L	0.01187	0.9690 mg/L	0.01187	1.22%
Sr 421.552†	157308.9	1.014 mg/L	0.0115	1.014 mg/L	0.0115	1.13%
Sr 460.733†	6843.2	0.9895 mg/L	0.01146	0.9895 mg/L	0.01146	1.16%
Ti 334.940†	915.8	0.1037 mg/L	0.00164	0.1037 mg/L	0.00164	1.58%
Ti 336.121†	782.6	0.1040 mg/L	0.00167	0.1040 mg/L	0.00167	1.61%
Ti 337.279†	295.4	0.1042 mg/L	0.00170	0.1042 mg/L	0.00170	1.63%
Tl 190.801†	330.5	0.4910 mg/L	0.00210	0.4910 mg/L	0.00210	0.43%
Tl 276.787†	2358.6	0.6712 mg/L	0.02051	0.6712 mg/L	0.02051	3.05%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	86.9	0.09916 mg/L	0.001465	0.09916 mg/L	0.001465	1.48%
V 309.310†	144.6	0.08810 mg/L	0.001588	0.08810 mg/L	0.001588	1.80%
V 310.230†	13424.0	0.09838 mg/L	0.002283	0.09838 mg/L	0.002283	2.32%
Zn 202.548†	170.2	0.9610 mg/L	0.02941	0.9610 mg/L	0.02941	3.06%
Zn 206.200†	80.2	0.9364 mg/L	0.01343	0.9364 mg/L	0.01343	1.43%
Zn 213.857†	404.8	0.9756 mg/L	0.01834	0.9756 mg/L	0.01834	1.88%

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Sequence No.: 37
Sample ID: wash
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 9/12/01 1:43:12 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	134173.3						1309.59	0.98%
Y 360.073	3162907.0						28012.39	0.89%
Ag 328.068†	67.2	0.00040	mg/L	0.000391	0.00040	mg/L	0.000391	97.86%
Ag 338.289†	21.9	0.00024	mg/L	0.000479	0.00024	mg/L	0.000479	202.50%
Al 308.215†	-19.1	-0.07955	mg/L	0.010139	-0.07955	mg/L	0.010139	12.75%
Al 394.401†	-36.3	-0.07771	mg/L	0.003710	-0.07771	mg/L	0.003710	4.77%
Al 396.153†	-157.8	-0.08573	mg/L	0.007309	-0.08573	mg/L	0.007309	8.53%
As 188.979†	0.4	0.1589	mg/L	0.33289	0.1589	mg/L	0.33289	209.55%
As 193.696†	-0.4	-0.00058	mg/L	0.001495	-0.00058	mg/L	0.001495	259.76%
As 197.197†	0.3	0.1638	mg/L	0.25087	0.1638	mg/L	0.25087	153.13%
B 208.889†	-0.5	-0.01722	mg/L	0.020285	-0.01722	mg/L	0.020285	117.83%
B 249.677†	2.1	0.00929	mg/L	0.009926	0.00929	mg/L	0.009926	106.81%
B 249.772†	4.3	0.00916	mg/L	0.003731	0.00916	mg/L	0.003731	40.74%
Ba 233.527†	0.1	0.00013	mg/L	0.000533	0.00013	mg/L	0.000533	401.71%
Ba 455.403†	-30.6	-0.00054	mg/L	0.000047	-0.00054	mg/L	0.000047	8.71%
Ba 493.408†	39.3	0.00037	mg/L	0.000583	0.00037	mg/L	0.000583	155.66%
Be 234.861†	18.2	0.00007	mg/L	0.000076	0.00007	mg/L	0.000076	104.07%
Be 313.042†	-0.8	-0.00003	mg/L	0.000043	-0.00003	mg/L	0.000043	124.76%
Be 313.107†	-0.8	-0.00003	mg/L	0.000043	-0.00003	mg/L	0.000043	124.76%
Ca 315.887†	-162.6	-0.1522	mg/L	0.00622	-0.1522	mg/L	0.00622	4.08%
Ca 317.933†	-125.2	-0.1390	mg/L	0.00034	-0.1390	mg/L	0.00034	0.25%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%

Cd 226.502†	-2.3	-0.00008 mg/L	0.000069	-0.00008 mg/L	0.000069	91.66%
Cd 228.802†	-0.9	-0.00170 mg/L	0.000792	-0.00170 mg/L	0.000792	46.58%
Ce 413.380†	3.9	0.00429 mg/L	0.012074	0.00429 mg/L	0.012074	281.14%
Ce 413.764†	3.7	0.00402 mg/L	0.008337	0.00402 mg/L	0.008337	207.58%
Ce 418.660†	24.4	0.01245 mg/L	0.006439	0.01245 mg/L	0.006439	51.70%
Co 228.616†	-5.1	-0.00015 mg/L	0.000250	-0.00015 mg/L	0.000250	170.50%
Co 230.786†	0.2	0.00151 mg/L	0.001527	0.00151 mg/L	0.001527	101.13%
Co 238.892†	-1.3	-0.00647 mg/L	0.002388	-0.00647 mg/L	0.002388	36.91%
Cr 205.560†	0.1	0.00254 mg/L	0.029660	0.00254 mg/L	0.029660	>999.9%
Cr 267.716†	-1.9	-0.00009 mg/L	0.000132	-0.00009 mg/L	0.000132	153.87%
Cr 283.563†	1.3	0.00148 mg/L	0.001582	0.00148 mg/L	0.001582	107.06%
Cu 224.700†	-0.6	-0.00793 mg/L	0.014495	-0.00793 mg/L	0.014495	182.81%
Cu 324.752†	-13.1	-0.00371 mg/L	0.000296	-0.00371 mg/L	0.000296	7.99%
Cu 327.393†	-152.1	-0.00275 mg/L	0.000514	-0.00275 mg/L	0.000514	18.68%
Fe 238.204†	-1.4	-0.00259 mg/L	0.001245	-0.00259 mg/L	0.001245	48.04%
Fe 239.562†	0.2	0.00054 mg/L	0.002109	0.00054 mg/L	0.002109	387.58%
Fe 259.939†	-1.2	-0.00094 mg/L	0.001393	-0.00094 mg/L	0.001393	147.55%
Fe 273.955†	-0.1	-0.00041 mg/L	0.005693	-0.00041 mg/L	0.005693	>999.9%
K 766.490†	-82.8	-0.1816 mg/L	0.02207	-0.1816 mg/L	0.02207	12.15%
Li 610.362†	100.0	0.01934 mg/L	0.009393	0.01934 mg/L	0.009393	48.57%
Li 670.784†	-337.0	-0.00835 mg/L	0.001575	-0.00835 mg/L	0.001575	18.87%
Mg 279.077†	-11.1	-0.05307 mg/L	0.043421	-0.05307 mg/L	0.043421	81.82%
Mg 280.271†	-502.0	-0.01494 mg/L	0.000888	-0.01494 mg/L	0.000888	5.95%
Mg 285.213†	-13.6	-0.01470 mg/L	0.002323	-0.01470 mg/L	0.002323	15.80%
Mn 257.610†	-3.7	-0.00077 mg/L	0.000188	-0.00077 mg/L	0.000188	24.55%
Mn 259.372†	-0.2	0.00002 mg/L	0.000552	0.00002 mg/L	0.000552	>999.9%
Mn 260.568†	-3.2	-0.00083 mg/L	0.000095	-0.00083 mg/L	0.000095	11.41%
Mo 202.031†	-0.2	-0.00900 mg/L	0.022341	-0.00900 mg/L	0.022341	248.14%
Mo 203.845†	-0.8	-0.05016 mg/L	0.036717	-0.05016 mg/L	0.036717	73.20%
Mo 204.597†	2.1	0.00034 mg/L	0.000192	0.00034 mg/L	0.000192	57.29%
Na 588.995†	-1084.4	-0.3011 mg/L	0.01513	-0.3011 mg/L	0.01513	5.02%
Na 589.592†	-1283.7	-0.3351 mg/L	0.01551	-0.3351 mg/L	0.01551	4.63%
Ni 221.648†	0.2	0.00606 mg/L	0.009811	0.00606 mg/L	0.009811	161.77%
Ni 231.604†	5.8	0.00053 mg/L	0.000373	0.00053 mg/L	0.000373	70.81%
Ni 232.003†	-1.2	-0.01994 mg/L	0.007167	-0.01994 mg/L	0.007167	35.94%
Pb 217.000†	0.2	0.01884 mg/L	0.058481	0.01884 mg/L	0.058481	310.48%
Pb 220.353†	-2.7	-0.00118 mg/L	0.000250	-0.00118 mg/L	0.000250	21.12%
Sb 206.836†	-0.1	-0.00007 mg/L	0.001260	-0.00007 mg/L	0.001260	>999.9%
Sb 217.582†	-0.7	-0.1207 mg/L	0.06793	-0.1207 mg/L	0.06793	56.26%
Se 196.026†	0.4	0.00052 mg/L	0.001669	0.00052 mg/L	0.001669	320.18%
Se 203.985†	2.1	0.00459 mg/L	0.002763	0.00459 mg/L	0.002763	60.25%
Sn 189.927†	0.8	0.00070 mg/L	0.001892	0.00070 mg/L	0.001892	271.58%
Sn 235.485†	-2.0	-0.08034 mg/L	0.065382	-0.08034 mg/L	0.065382	81.39%
Sr 407.771†	-309.9	-0.00300 mg/L	0.000065	-0.00300 mg/L	0.000065	2.18%
Sr 421.552†	-456.6	-0.00294 mg/L	0.000047	-0.00294 mg/L	0.000047	1.59%
Sr 460.733†	-27.2	-0.00393 mg/L	0.002165	-0.00393 mg/L	0.002165	55.07%
Ti 334.940†	-0.4	-0.00004 mg/L	0.000152	-0.00004 mg/L	0.000152	361.02%
Ti 336.121†	-1.4	-0.00018 mg/L	0.000472	-0.00018 mg/L	0.000472	262.42%
Ti 337.279†	-1.5	-0.00052 mg/L	0.000897	-0.00052 mg/L	0.000897	173.58%
Tl 190.801†	1.8	0.00266 mg/L	0.002377	0.00266 mg/L	0.002377	89.29%
Tl 276.787†	3.5	0.00099 mg/L	0.004113	0.00099 mg/L	0.004113	416.83%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	1.9	0.00220 mg/L	0.000333	0.00220 mg/L	0.000333	15.16%
V 309.310†	0.4	0.00025 mg/L	0.001138	0.00025 mg/L	0.001138	452.18%
V 310.230†	-318.6	-0.00233 mg/L	0.001093	-0.00233 mg/L	0.001093	46.82%
Zn 202.548†	-1.1	-0.00643 mg/L	0.013433	-0.00643 mg/L	0.013433	208.79%
Zn 206.200†	0.1	0.00117 mg/L	0.011264	0.00117 mg/L	0.011264	958.68%
Zn 213.857†	-0.5	-0.00129 mg/L	0.005696	-0.00129 mg/L	0.005696	442.55%

Sequence No.: 38
Sample ID: BLANK
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 9/12/01 1:47:44 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

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Y 371.029            129392.3                                                    1047.80   0.81%
Y 360.073           3158805.0                                                   28912.57   0.92%
Ag 328.068†              67.6     0.00040 mg/L      0.000317     0.00040 mg/L   0.000317  78.80%
   QC value within limits for Ag 328.068  Recovery = Not calculated
Ag 338.289†              50.2     0.00054 mg/L      0.000249     0.00054 mg/L   0.000249  45.85%
   QC value within limits for Ag 338.289  Recovery = Not calculated
Al 308.215†              -9.6    -0.04028 mg/L      0.009228    -0.04028 mg/L   0.009228  22.91%
   QC value within limits for Al 308.215  Recovery = Not calculated
Al 394.401†             -10.3    -0.02216 mg/L      0.004604    -0.02216 mg/L   0.004604  20.78%
   QC value within limits for Al 394.401  Recovery = Not calculated
Al 396.153†             -42.1    -0.02253 mg/L      0.001865    -0.02253 mg/L   0.001865   8.28%
   QC value within limits for Al 396.153  Recovery = Not calculated
As 188.979†               0.6      0.2452 mg/L       0.45044      0.2452 mg/L    0.45044 183.74%
   QC value within limits for As 188.979  Recovery = Not calculated
As 193.696†               0.1     0.00012 mg/L      0.001123     0.00012 mg/L   0.001123 968.69%
   QC value within limits for As 193.696  Recovery = Not calculated
As 197.197†               0.4      0.1929 mg/L       0.16497      0.1929 mg/L    0.16497  85.53%
   QC value within limits for As 197.197  Recovery = Not calculated
B 208.889†               -0.2    -0.00909 mg/L      0.012293    -0.00909 mg/L   0.012293 135.29%
   QC value within limits for B 208.889  Recovery = Not calculated
B 249.677†                3.4     0.01548 mg/L      0.010593     0.01548 mg/L   0.010593  68.42%
   QC value within limits for B 249.677  Recovery = Not calculated
B 249.772†                6.8     0.01436 mg/L      0.004066     0.01436 mg/L   0.004066  28.31%
   QC value within limits for B 249.772  Recovery = Not calculated
Ba 233.527†              -1.0    -0.00159 mg/L      0.000512    -0.00159 mg/L   0.000512  32.10%
   QC value within limits for Ba 233.527  Recovery = Not calculated
Ba 455.403†             -14.7    -0.00026 mg/L      0.000081    -0.00026 mg/L   0.000081  30.87%
   QC value within limits for Ba 455.403  Recovery = Not calculated
Ba 493.408†             -13.4    -0.00013 mg/L      0.000437    -0.00013 mg/L   0.000437 342.03%
   QC value within limits for Ba 493.408  Recovery = Not calculated
Be 234.861†               4.7     0.00002 mg/L      0.000049     0.00002 mg/L   0.000049 261.43%
   QC value within limits for Be 234.861  Recovery = Not calculated
Be 313.042†              -4.8    -0.00021 mg/L      0.000110    -0.00021 mg/L   0.000110  52.34%
   QC value within limits for Be 313.042  Recovery = Not calculated
Be 313.107†              -4.8    -0.00021 mg/L      0.000110    -0.00021 mg/L   0.000110  52.34%
   QC value within limits for Be 313.107  Recovery = Not calculated
Ca 315.887†             -51.4    -0.04814 mg/L      0.006212    -0.04814 mg/L   0.006212  12.90%
   QC value within limits for Ca 315.887  Recovery = Not calculated
Ca 317.933†             -36.3    -0.04032 mg/L      0.006578    -0.04032 mg/L   0.006578  16.32%
   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      0.000067     0.00000 mg/L   0.000067 >999.9%
   QC value within limits for Cd 226.502  Recovery = Not calculated
Cd 228.802†              -1.1    -0.00189 mg/L      0.002340    -0.00189 mg/L   0.002340 123.91%
   QC value within limits for Cd 228.802  Recovery = Not calculated
Ce 413.380†               4.0     0.00448 mg/L      0.000963     0.00448 mg/L   0.000963  21.51%
   QC value within limits for Ce 413.380  Recovery = Not calculated
Ce 413.764†             -13.7    -0.01476 mg/L      0.011139    -0.01476 mg/L   0.011139  75.49%
   QC value within limits for Ce 413.764  Recovery = Not calculated
Ce 418.660†              18.7     0.00954 mg/L      0.005588     0.00954 mg/L   0.005588  58.58%
   QC value within limits for Ce 418.660  Recovery = Not calculated
Co 228.616†             -15.8    -0.00045 mg/L      0.000176    -0.00045 mg/L   0.000176  38.84%
   QC value within limits for Co 228.616  Recovery = Not calculated
Co 230.786†               0.1     0.00094 mg/L      0.001860     0.00094 mg/L   0.001860 197.68%
   QC value within limits for Co 230.786  Recovery = Not calculated
Co 238.892†              -1.3    -0.00617 mg/L      0.001129    -0.00617 mg/L   0.001129  18.28%
   QC value within limits for Co 238.892  Recovery = Not calculated
Cr 205.560†               0.1     0.00379 mg/L      0.005188     0.00379 mg/L   0.005188 136.80%
   QC value within limits for Cr 205.560  Recovery = Not calculated
Cr 267.716†              -0.4    -0.00002 mg/L      0.000099    -0.00002 mg/L   0.000099 549.66%
   QC value within limits for Cr 267.716  Recovery = Not calculated
Cr 283.563†              -0.2    -0.00017 mg/L      0.003038    -0.00017 mg/L   0.003038 >999.9%
   QC value within limits for Cr 283.563  Recovery = Not calculated
Cu 224.700†              -0.8    -0.00943 mg/L      0.006262    -0.00943 mg/L   0.006262  66.37%
   QC value within limits for Cu 224.700  Recovery = Not calculated
Cu 324.752†             -10.7    -0.00303 mg/L      0.001071    -0.00303 mg/L   0.001071  35.36%
   QC value within limits for Cu 324.752  Recovery = Not calculated
Cu 327.393†            -104.2    -0.00188 mg/L      0.000498    -0.00188 mg/L   0.000498  26.46%
   QC value within limits for Cu 327.393  Recovery = Not calculated
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Fe 238.204†                -1.9    -0.00355 mg/L      0.001272    -0.00355 mg/L      0.001272  35.83%
   QC value within limits for Fe 238.204  Recovery = Not calculated
Fe 239.562†                -0.7    -0.00178 mg/L      0.001633    -0.00178 mg/L      0.001633  91.84%
   QC value within limits for Fe 239.562  Recovery = Not calculated
Fe 259.939†                -4.9    -0.00396 mg/L      0.000281    -0.00396 mg/L      0.000281   7.10%
   QC value within limits for Fe 259.939  Recovery = Not calculated
Fe 273.955†                -0.2    -0.00132 mg/L      0.001709    -0.00132 mg/L      0.001709 129.21%
   QC value within limits for Fe 273.955  Recovery = Not calculated
K 766.490†               -20.9    -0.04579 mg/L      0.043286    -0.04579 mg/L      0.043286  94.53%
   QC value within limits for K 766.490  Recovery = Not calculated
Li 610.362†                30.7     0.00593 mg/L      0.013851     0.00593 mg/L      0.013851 233.66%
   QC value within limits for Li 610.362  Recovery = Not calculated
Li 670.784†              -153.8    -0.00381 mg/L      0.001946    -0.00381 mg/L      0.001946  51.09%
   QC value within limits for Li 670.784  Recovery = Not calculated
Mg 279.077†                -5.2    -0.02475 mg/L      0.032052    -0.02475 mg/L      0.032052 129.52%
   QC value within limits for Mg 279.077  Recovery = Not calculated
Mg 280.271†              -327.8    -0.00975 mg/L      0.000124    -0.00975 mg/L      0.000124   1.28%
   QC value within limits for Mg 280.271  Recovery = Not calculated
Mg 285.213†                -9.8    -0.01059 mg/L      0.000992    -0.01059 mg/L      0.000992   9.37%
   QC value within limits for Mg 285.213  Recovery = Not calculated
Mn 257.610†                -3.4    -0.00070 mg/L      0.000147    -0.00070 mg/L      0.000147  20.92%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mn 259.372†                -4.1    -0.00041 mg/L      0.000739    -0.00041 mg/L      0.000739 178.69%
   QC value within limits for Mn 259.372  Recovery = Not calculated
Mn 260.568†                -2.8    -0.00075 mg/L      0.000226    -0.00075 mg/L      0.000226  30.02%
   QC value within limits for Mn 260.568  Recovery = Not calculated
Mo 202.031†                -0.6    -0.02485 mg/L      0.016840    -0.02485 mg/L      0.016840  67.76%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Mo 203.845†                -1.9     -0.1234 mg/L       0.04917     -0.1234 mg/L       0.04917  39.85%
   QC value within limits for Mo 203.845  Recovery = Not calculated
Mo 204.597†                 2.3     0.00037 mg/L      0.000404     0.00037 mg/L      0.000404 108.82%
   QC value within limits for Mo 204.597  Recovery = Not calculated
Na 588.995†            -1120.9     -0.3113 mg/L       0.01109     -0.3113 mg/L       0.01109   3.56%
   QC value within limits for Na 588.995  Recovery = Not calculated
Na 589.592†            -1197.2     -0.3125 mg/L       0.01676     -0.3125 mg/L       0.01676   5.36%
   QC value within limits for Na 589.592  Recovery = Not calculated
Ni 221.648†                -0.0    -0.00016 mg/L      0.007503    -0.00016 mg/L      0.007503 >999.9%
   QC value within limits for Ni 221.648  Recovery = Not calculated
Ni 231.604†                 1.7     0.00015 mg/L      0.000202     0.00015 mg/L      0.000202 134.10%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Ni 232.003†                -0.4    -0.00646 mg/L      0.008652    -0.00646 mg/L      0.008652 133.84%
   QC value within limits for Ni 232.003  Recovery = Not calculated
Pb 217.000†                 0.2     0.01647 mg/L      0.064428     0.01647 mg/L      0.064428 391.24%
   QC value within limits for Pb 217.000  Recovery = Not calculated
Pb 220.353†                -0.9    -0.00041 mg/L      0.000670    -0.00041 mg/L      0.000670 164.05%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†                -4.2    -0.00238 mg/L      0.000745    -0.00238 mg/L      0.000745  31.27%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Sb 217.582†                -0.8     -0.1342 mg/L       0.02311     -0.1342 mg/L       0.02311  17.22%
   QC value within limits for Sb 217.582  Recovery = Not calculated
Se 196.026†                 3.8     0.00474 mg/L      0.004455     0.00474 mg/L      0.004455  93.92%
   QC value within limits for Se 196.026  Recovery = Not calculated
Se 203.985†                 3.6     0.00769 mg/L      0.003031     0.00769 mg/L      0.003031  39.42%
   QC value within limits for Se 203.985  Recovery = Not calculated
Sn 189.927†                 0.3     0.00025 mg/L      0.001256     0.00025 mg/L      0.001256 493.40%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Sn 235.485†                -1.3    -0.05298 mg/L      0.077743    -0.05298 mg/L      0.077743 146.75%
   QC value within limits for Sn 235.485  Recovery = Not calculated
Sr 407.771†              -100.7    -0.00097 mg/L      0.000016    -0.00097 mg/L      0.000016   1.62%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Sr 421.552†              -104.8    -0.00068 mg/L      0.000031    -0.00068 mg/L      0.000031   4.63%
   QC value within limits for Sr 421.552  Recovery = Not calculated
Sr 460.733†               -63.7    -0.00922 mg/L      0.015440    -0.00922 mg/L      0.015440 167.52%
   QC value within limits for Sr 460.733  Recovery = Not calculated
Ti 334.940†                 0.0     0.00000 mg/L      0.000209     0.00000 mg/L      0.000209 >999.9%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Ti 336.121†                -3.7    -0.00049 mg/L      0.000299    -0.00049 mg/L      0.000299  61.61%
   QC value within limits for Ti 336.121  Recovery = Not calculated
Ti 337.279†                 0.4     0.00013 mg/L      0.000387     0.00013 mg/L      0.000387 290.50%
   QC value within limits for Ti 337.279  Recovery = Not calculated
```

Tl 190.801†	0.3	0.00038 mg/L	0.001756	0.00038 mg/L	0.001756	462.49%
QC value within limits for Tl 190.801 Recovery = Not calculated						
Tl 276.787†	4.5	0.00128 mg/L	0.004099	0.00128 mg/L	0.004099	319.73%
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†	2.7	0.00312 mg/L	0.001837	0.00312 mg/L	0.001837	58.87%
QC value within limits for V 290.880 Recovery = Not calculated						
V 309.310†	1.4	0.00083 mg/L	0.001275	0.00083 mg/L	0.001275	153.64%
QC value within limits for V 309.310 Recovery = Not calculated						
V 310.230†	-177.3	-0.00130 mg/L	0.001157	-0.00130 mg/L	0.001157	89.07%
QC value within limits for V 310.230 Recovery = Not calculated						
Zn 202.548†	-2.0	-0.01135 mg/L	0.003278	-0.01135 mg/L	0.003278	28.87%
QC value within limits for Zn 202.548 Recovery = Not calculated						
Zn 206.200†	-0.0	-0.00055 mg/L	0.005979	-0.00055 mg/L	0.005979	>999.9%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zn 213.857†	-0.4	-0.00090 mg/L	0.001498	-0.00090 mg/L	0.001498	166.99%
QC value within limits for Zn 213.857 Recovery = Not calculated						

All analytes passed QC.

Sequence No.: 39
Sample ID: LCM1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 9/12/01 1:52:10 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	131125.9						2877.11	2.19%
Y 360.073	3131081.8						8215.95	0.26%
Ag 328.068†	29684.3	0.1764	mg/L	0.00258	0.1764	mg/L	0.00258	1.46%
Ag 338.289†	16417.4	0.1776	mg/L	0.00136	0.1776	mg/L	0.00136	0.76%
Al 308.215†	217.3	0.9076	mg/L	0.01322	0.9076	mg/L	0.01322	1.46%
QC value within limits for Al 308.215 Recovery = 90.76%								
Al 394.401†	421.2	0.9017	mg/L	0.01567	0.9017	mg/L	0.01567	1.74%
QC value within limits for Al 394.401 Recovery = 90.17%								
Al 396.153†	1724.8	0.9400	mg/L	0.01481	0.9400	mg/L	0.01481	1.58%
QC value within limits for Al 396.153 Recovery = 94.00%								
As 188.979†	5.0	1.938	mg/L	0.2160	1.938	mg/L	0.2160	11.15%
QC value within limits for As 188.979 Recovery = 96.89%								
As 193.696†	1317.3	2.069	mg/L	0.0150	2.069	mg/L	0.0150	0.72%
QC value within limits for As 193.696 Recovery = 103.46%								
As 197.197†	4.2	2.028	mg/L	0.2860	2.028	mg/L	0.2860	14.10%
QC value within limits for As 197.197 Recovery = 101.42%								
B 208.889†	22.7	0.8656	mg/L	0.05982	0.8656	mg/L	0.05982	6.91%
QC value less than the lower limit for B 208.889 Recovery = 86.56%								
B 249.677†	207.5	0.9344	mg/L	0.02810	0.9344	mg/L	0.02810	3.01%
QC value within limits for B 249.677 Recovery = 93.44%								
B 249.772†	442.1	0.9385	mg/L	0.01887	0.9385	mg/L	0.01887	2.01%
QC value within limits for B 249.772 Recovery = 93.85%								
Ba 233.527†	591.6	0.9919	mg/L	0.01498	0.9919	mg/L	0.01498	1.51%
QC value within limits for Ba 233.527 Recovery = 99.19%								
Ba 455.403†	57421.4	1.020	mg/L	0.0010	1.020	mg/L	0.0010	0.10%
QC value within limits for Ba 455.403 Recovery = 102.04%								
Ba 493.408†	105893.7	1.009	mg/L	0.0004	1.009	mg/L	0.0004	0.04%
QC value within limits for Ba 493.408 Recovery = 100.93%								
Be 234.861†	275768.5	1.107	mg/L	0.0042	1.107	mg/L	0.0042	0.38%
QC value greater than the upper limit for Be 234.861 Recovery = 110.72%								
Be 313.042†	22438.9	0.9922	mg/L	0.00384	0.9922	mg/L	0.00384	0.39%
QC value within limits for Be 313.042 Recovery = 99.22%								
Be 313.107†	22438.9	0.9922	mg/L	0.00384	0.9922	mg/L	0.00384	0.39%
QC value within limits for Be 313.107 Recovery = 99.22%								
Ca 315.887†	1022.5	0.9572	mg/L	0.01264	0.9572	mg/L	0.01264	1.32%
QC value within limits for Ca 315.887 Recovery = 95.72%								
Ca 317.933†	792.9	0.8807	mg/L	0.02219	0.8807	mg/L	0.02219	2.52%
QC value less than the lower limit for Ca 317.933 Recovery = 88.07%								
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†	30602.5	0.9937 mg/L	0.01235	0.9937 mg/L	0.01235	1.24%
QC value within limits for Cd 226.502 Recovery = 99.37%						
Cd 228.802†	541.9	0.9747 mg/L	0.01496	0.9747 mg/L	0.01496	1.53%
QC value within limits for Cd 228.802 Recovery = 97.47%						
Ce 413.380†	921.8	1.019 mg/L	0.0453	1.019 mg/L	0.0453	4.45%
QC value within limits for Ce 413.380 Recovery = 101.88%						
Ce 413.764†	927.6	0.9964 mg/L	0.01787	0.9964 mg/L	0.01787	1.79%
QC value within limits for Ce 413.764 Recovery = 99.64%						
Ce 418.660†	2001.9	1.020 mg/L	0.0313	1.020 mg/L	0.0313	3.07%
QC value within limits for Ce 418.660 Recovery = 102.01%						
Co 228.616†	34339.0	0.9896 mg/L	0.01408	0.9896 mg/L	0.01408	1.42%
QC value within limits for Co 228.616 Recovery = 98.96%						
Co 230.786†	153.1	0.9943 mg/L	0.02415	0.9943 mg/L	0.02415	2.43%
QC value within limits for Co 230.786 Recovery = 99.43%						
Co 238.892†	204.2	0.9833 mg/L	0.01122	0.9833 mg/L	0.01122	1.14%
QC value within limits for Co 238.892 Recovery = 98.33%						
Cr 205.560†	21.6	0.9911 mg/L	0.02864	0.9911 mg/L	0.02864	2.89%
QC value within limits for Cr 205.560 Recovery = 99.11%						
Cr 267.716†	21562.8	0.9867 mg/L	0.01263	0.9867 mg/L	0.01263	1.28%
QC value within limits for Cr 267.716 Recovery = 98.67%						
Cr 283.563†	899.7	1.007 mg/L	0.0167	1.007 mg/L	0.0167	1.66%
QC value within limits for Cr 283.563 Recovery = 100.70%						
Cu 224.700†	80.6	0.9842 mg/L	0.02291	0.9842 mg/L	0.02291	2.33%
QC value within limits for Cu 224.700 Recovery = 98.42%						
Cu 324.752†	3417.5	0.9669 mg/L	0.00299	0.9669 mg/L	0.00299	0.31%
QC value within limits for Cu 324.752 Recovery = 96.69%						
Cu 327.393†	53836.7	0.9733 mg/L	0.00253	0.9733 mg/L	0.00253	0.26%
QC value within limits for Cu 327.393 Recovery = 97.33%						
Fe 238.204†	526.7	0.9916 mg/L	0.01375	0.9916 mg/L	0.01375	1.39%
QC value within limits for Fe 238.204 Recovery = 99.16%						
Fe 239.562†	415.4	0.9931 mg/L	0.01401	0.9931 mg/L	0.01401	1.41%
QC value within limits for Fe 239.562 Recovery = 99.31%						
Fe 259.939†	1223.7	0.9973 mg/L	0.01806	0.9973 mg/L	0.01806	1.81%
QC value within limits for Fe 259.939 Recovery = 99.73%						
Fe 273.955†	204.0	1.102 mg/L	0.0167	1.102 mg/L	0.0167	1.52%
QC value greater than the upper limit for Fe 273.955 Recovery = 110.19%						
K 766.490†	2348.4	5.151 mg/L	0.0248	5.151 mg/L	0.0248	0.48%
QC value within limits for K 766.490 Recovery = 103.02%						
Li 610.362†	5239.8	1.013 mg/L	0.0188	1.013 mg/L	0.0188	1.86%
QC value within limits for Li 610.362 Recovery = 101.28%						
Li 670.784†	39913.3	0.9886 mg/L	0.00979	0.9886 mg/L	0.00979	0.99%
QC value within limits for Li 670.784 Recovery = 98.86%						
Mg 279.077†	210.4	1.007 mg/L	0.0133	1.007 mg/L	0.0133	1.33%
QC value within limits for Mg 279.077 Recovery = 100.67%						
Mg 280.271†	33600.5	0.9997 mg/L	0.00195	0.9997 mg/L	0.00195	0.20%
QC value within limits for Mg 280.271 Recovery = 99.97%						
Mg 285.213†	915.4	0.9900 mg/L	0.01832	0.9900 mg/L	0.01832	1.85%
QC value within limits for Mg 285.213 Recovery = 99.00%						
Mn 257.610†	4854.7	0.9949 mg/L	0.00914	0.9949 mg/L	0.00914	0.92%
QC value within limits for Mn 257.610 Recovery = 99.49%						
Mn 259.372†	7563.3	0.9881 mg/L	0.00186	0.9881 mg/L	0.00186	0.19%
QC value within limits for Mn 259.372 Recovery = 98.81%						
Mn 260.568†	3752.5	0.9894 mg/L	0.00889	0.9894 mg/L	0.00889	0.90%
QC value within limits for Mn 260.568 Recovery = 98.94%						
Mo 202.031†	20.7	0.8197 mg/L	0.03277	0.8197 mg/L	0.03277	4.00%
QC value less than the lower limit for Mo 202.031 Recovery = 81.97%						
Mo 203.845†	13.4	0.8805 mg/L	0.06222	0.8805 mg/L	0.06222	7.07%
QC value less than the lower limit for Mo 203.845 Recovery = 88.05%						
Mo 204.597†	5547.5	0.8901 mg/L	0.01189	0.8901 mg/L	0.01189	1.34%
QC value less than the lower limit for Mo 204.597 Recovery = 89.01%						
Na 588.995†	2401.1	0.6668 mg/L	0.01184	0.6668 mg/L	0.01184	1.78%
Na 589.592†	2595.9	0.6776 mg/L	0.00879	0.6776 mg/L	0.00879	1.30%
Ni 221.648†	27.7	0.9601 mg/L	0.05048	0.9601 mg/L	0.05048	5.26%
QC value within limits for Ni 221.648 Recovery = 96.01%						
Ni 231.604†	11136.0	1.012 mg/L	0.0151	1.012 mg/L	0.0151	1.49%
QC value within limits for Ni 231.604 Recovery = 101.22%						
Ni 232.003†	62.6	1.003 mg/L	0.0122	1.003 mg/L	0.0122	1.21%
QC value within limits for Ni 232.003 Recovery = 100.34%						
Pb 217.000†	19.7	1.987 mg/L	0.1476	1.987 mg/L	0.1476	7.43%

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   QC value within limits for Pb 217.000  Recovery = 99.34%
Pb 220.353†            4470.5       1.979 mg/L        0.0311       1.979 mg/L        0.0311   1.57%
   QC value within limits for Pb 220.353  Recovery = 98.94%
Sb 206.836†            3265.7       1.872 mg/L        0.0378       1.872 mg/L        0.0378   2.02%
   QC value within limits for Sb 206.836  Recovery = 93.59%
Sb 217.582†              10.6       1.869 mg/L        0.1414       1.869 mg/L        0.1414   7.57%
   QC value within limits for Sb 217.582  Recovery = 93.43%
Se 196.026†             864.4       1.089 mg/L        0.0017       1.089 mg/L        0.0017   0.16%
   QC value within limits for Se 196.026  Recovery = 108.89%
Se 203.985†             521.4       1.128 mg/L        0.0070       1.128 mg/L        0.0070   0.62%
   QC value greater than the upper limit for Se 203.985  Recovery = 112.79%
Sn 189.927†            4842.7       4.489 mg/L        0.0275       4.489 mg/L        0.0275   0.61%
   QC value less than the lower limit for Sn 189.927  Recovery = 89.78%
Sn 235.485†             107.8       4.360 mg/L        0.2252       4.360 mg/L        0.2252   5.16%
   QC value less than the lower limit for Sn 235.485  Recovery = 87.19%
Sr 407.771†           99902.5       0.9661 mg/L       0.00275      0.9661 mg/L       0.00275   0.28%
   QC value within limits for Sr 407.771  Recovery = 96.61%
Sr 421.552†          157907.1       1.018 mg/L        0.0018       1.018 mg/L        0.0018   0.18%
   QC value within limits for Sr 421.552  Recovery = 101.76%
Sr 460.733†            6842.5       0.9894 mg/L       0.00419      0.9894 mg/L       0.00419   0.42%
   QC value within limits for Sr 460.733  Recovery = 98.94%
Ti 334.940†            7903.9       0.8949 mg/L       0.00073      0.8949 mg/L       0.00073   0.08%
   QC value less than the lower limit for Ti 334.940  Recovery = 89.49%
Ti 336.121†            6728.5       0.8941 mg/L       0.00373      0.8941 mg/L       0.00373   0.42%
   QC value less than the lower limit for Ti 336.121  Recovery = 89.41%
Ti 337.279†            2545.5       0.8983 mg/L       0.00309      0.8983 mg/L       0.00309   0.34%
   QC value less than the lower limit for Ti 337.279  Recovery = 89.83%
Tl 190.801†            3403.7       5.056 mg/L        0.1038       5.056 mg/L        0.1038   2.05%
   QC value within limits for Tl 190.801  Recovery = 101.12%
Tl 276.787†           16381.4       4.662 mg/L        0.0694       4.662 mg/L        0.0694   1.49%
   QC value within limits for Tl 276.787  Recovery = 93.24%
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†             873.8       0.9976 mg/L       0.01306      0.9976 mg/L       0.01306   1.31%
   QC value within limits for V 290.880  Recovery = 99.76%
V 309.310†            1653.9       1.008 mg/L        0.0168       1.008 mg/L        0.0168   1.67%
   QC value within limits for V 309.310  Recovery = 100.79%
V 310.230†          134302.0       0.9842 mg/L       0.00593      0.9842 mg/L       0.00593   0.60%
   QC value within limits for V 310.230  Recovery = 98.42%
Zn 202.548†             167.9       0.9412 mg/L       0.01821      0.9412 mg/L       0.01821   1.93%
   QC value within limits for Zn 202.548  Recovery = 94.12%
Zn 206.200†              80.3       0.9383 mg/L       0.02294      0.9383 mg/L       0.02294   2.44%
   QC value within limits for Zn 206.200  Recovery = 93.83%
Zn 213.857†             391.6       0.9391 mg/L       0.02330      0.9391 mg/L       0.02330   2.48%
   QC value within limits for Zn 213.857  Recovery = 93.91%
QC Failed.  Continue with analysis.
```

Sequence No.: 40 **Autosampler Location: 3**
Sample ID: LCM2 **Date Collected: 9/12/01 1:56:43 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	129016.9						1401.60	1.09%
Y 360.073	3139161.8						31474.21	1.00%
Ag 328.068†	8267.9	0.04913	mg/L	0.000595	0.04913	mg/L	0.000595	1.21%
QC value within limits for Ag 328.068 Recovery = 98.27%								
Ag 338.289†	4587.5	0.04963	mg/L	0.000381	0.04963	mg/L	0.000381	0.77%
QC value within limits for Ag 338.289 Recovery = 99.26%								
Al 308.215†	-18.9	-0.07891	mg/L	0.002690	-0.07891	mg/L	0.002690	3.41%
Al 394.401†	-34.6	-0.07418	mg/L	0.007081	-0.07418	mg/L	0.007081	9.55%
Al 396.153†	-124.4	-0.06735	mg/L	0.000547	-0.06735	mg/L	0.000547	0.81%
As 188.979†	0.4	0.1601	mg/L	0.67979	0.1601	mg/L	0.67979	424.54%
As 193.696†	1.3	0.00210	mg/L	0.003902	0.00210	mg/L	0.003902	185.86%
As 197.197†	0.7	0.3473	mg/L	0.25701	0.3473	mg/L	0.25701	74.00%

B 208.889†	2.8	0.1078 mg/L	0.01912	0.1078 mg/L	0.01912	17.74%
B 249.677†	6.6	0.02977 mg/L	0.011982	0.02977 mg/L	0.011982	40.25%
B 249.772†	9.9	0.02102 mg/L	0.003410	0.02102 mg/L	0.003410	16.22%
Ba 233.527†	-0.7	-0.00113 mg/L	0.000754	-0.00113 mg/L	0.000754	66.87%
Ba 455.403†	-3.0	-0.00005 mg/L	0.000072	-0.00005 mg/L	0.000072	134.31%
Ba 493.408†	16.0	0.00015 mg/L	0.000680	0.00015 mg/L	0.000680	445.86%
Be 234.861†	34.8	0.00014 mg/L	0.000074	0.00014 mg/L	0.000074	53.14%
Be 313.042†	-0.2	-0.00001 mg/L	0.000039	-0.00001 mg/L	0.000039	462.92%
Be 313.107†	-0.2	-0.00001 mg/L	0.000039	-0.00001 mg/L	0.000039	462.92%
Ca 315.887†	-137.1	-0.1283 mg/L	0.00103	-0.1283 mg/L	0.00103	0.80%
Ca 317.933†	-99.4	-0.1104 mg/L	0.00565	-0.1104 mg/L	0.00565	5.12%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	6.8	0.00022 mg/L	0.000150	0.00022 mg/L	0.000150	68.11%
Cd 228.802†	0.2	0.00031 mg/L	0.000336	0.00031 mg/L	0.000336	109.14%
Ce 413.380†	0.9	0.00095 mg/L	0.013789	0.00095 mg/L	0.013789	>999.9%
Ce 413.764†	-6.0	-0.00650 mg/L	0.005762	-0.00650 mg/L	0.005762	88.69%
Ce 418.660†	6.2	0.00314 mg/L	0.002811	0.00314 mg/L	0.002811	89.57%
Co 228.616†	3.6	0.00010 mg/L	0.000595	0.00010 mg/L	0.000595	581.17%
Co 230.786†	0.1	0.00064 mg/L	0.006121	0.00064 mg/L	0.006121	960.85%
Co 238.892†	-1.0	-0.00461 mg/L	0.001374	-0.00461 mg/L	0.001374	29.82%
Cr 205.560†	0.1	0.00441 mg/L	0.009224	0.00441 mg/L	0.009224	209.23%
Cr 267.716†	7.6	0.00035 mg/L	0.000116	0.00035 mg/L	0.000116	33.26%
Cr 283.563†	-2.0	-0.00224 mg/L	0.000277	-0.00224 mg/L	0.000277	12.38%
Cu 224.700†	0.0	0.00002 mg/L	0.006888	0.00002 mg/L	0.006888	>999.9%
Cu 324.752†	-0.8	-0.00023 mg/L	0.001124	-0.00023 mg/L	0.001124	492.07%
Cu 327.393†	-8.4	-0.00015 mg/L	0.000416	-0.00015 mg/L	0.000416	273.13%
Fe 238.204†	-0.8	-0.00141 mg/L	0.000947	-0.00141 mg/L	0.000947	66.98%
Fe 239.562†	0.2	0.00047 mg/L	0.003516	0.00047 mg/L	0.003516	749.24%
Fe 259.939†	-2.1	-0.00171 mg/L	0.001118	-0.00171 mg/L	0.001118	65.47%
Fe 273.955†	-0.9	-0.00481 mg/L	0.002646	-0.00481 mg/L	0.002646	55.03%
K 766.490†	4.9	0.01078 mg/L	0.021427	0.01078 mg/L	0.021427	198.75%
Li 610.362†	1.9	0.00037 mg/L	0.007740	0.00037 mg/L	0.007740	>999.9%
Li 670.784†	53.1	0.00131 mg/L	0.001278	0.00131 mg/L	0.001278	97.24%
Mg 279.077†	-7.6	-0.03620 mg/L	0.001561	-0.03620 mg/L	0.001561	4.31%
Mg 280.271†	-530.9	-0.01579 mg/L	0.000137	-0.01579 mg/L	0.000137	0.87%
Mg 285.213†	-14.8	-0.01605 mg/L	0.000619	-0.01605 mg/L	0.000619	3.86%
Mn 257.610†	-1.2	-0.00025 mg/L	0.000042	-0.00025 mg/L	0.000042	17.09%
Mn 259.372†	4.1	0.00065 mg/L	0.000206	0.00065 mg/L	0.000206	31.50%
Mn 260.568†	0.6	0.00015 mg/L	0.000459	0.00015 mg/L	0.000459	297.85%
Mo 202.031†	-0.6	-0.02205 mg/L	0.011507	-0.02205 mg/L	0.011507	52.18%
Mo 203.845†	-0.6	-0.03650 mg/L	0.135162	-0.03650 mg/L	0.135162	370.32%
Mo 204.597†	6.4	0.00102 mg/L	0.000314	0.00102 mg/L	0.000314	30.73%
Na 588.995†	-1375.1	-0.3819 mg/L	0.01500	-0.3819 mg/L	0.01500	3.93%
Na 589.592†	-1358.7	-0.3547 mg/L	0.02223	-0.3547 mg/L	0.02223	6.27%
Ni 221.648†	0.8	0.02767 mg/L	0.023162	0.02767 mg/L	0.023162	83.72%
Ni 231.604†	4.2	0.00038 mg/L	0.000368	0.00038 mg/L	0.000368	97.26%
Ni 232.003†	0.2	0.00306 mg/L	0.022021	0.00306 mg/L	0.022021	720.66%
Pb 217.000†	0.9	0.09276 mg/L	0.048743	0.09276 mg/L	0.048743	52.55%
Pb 220.353†	5.7	0.00254 mg/L	0.000603	0.00254 mg/L	0.000603	23.69%
Sb 206.836†	1.9	0.00108 mg/L	0.002960	0.00108 mg/L	0.002960	275.10%
Sb 217.582†	-0.6	-0.1100 mg/L	0.04107	-0.1100 mg/L	0.04107	37.34%
Se 196.026†	3.2	0.00405 mg/L	0.003765	0.00405 mg/L	0.003765	92.90%
Se 203.985†	1.5	0.00320 mg/L	0.006720	0.00320 mg/L	0.006720	209.88%
Sn 189.927†	1.9	0.00172 mg/L	0.001481	0.00172 mg/L	0.001481	85.91%
Sn 235.485†	1.3	0.05096 mg/L	0.057888	0.05096 mg/L	0.057888	113.60%
Sr 407.771†	-292.4	-0.00283 mg/L	0.000029	-0.00283 mg/L	0.000029	1.02%
Sr 421.552†	-407.3	-0.00262 mg/L	0.000097	-0.00262 mg/L	0.000097	3.69%
Sr 460.733†	-92.3	-0.01334 mg/L	0.009920	-0.01334 mg/L	0.009920	74.35%
Ti 334.940†	2.8	0.00032 mg/L	0.000344	0.00032 mg/L	0.000344	106.75%
Ti 336.121†	-0.0	-0.00001 mg/L	0.000783	-0.00001 mg/L	0.000783	>999.9%
Ti 337.279†	-0.2	-0.00009 mg/L	0.000277	-0.00009 mg/L	0.000277	323.49%
Tl 190.801†	1.7	0.00259 mg/L	0.000594	0.00259 mg/L	0.000594	22.91%
Tl 276.787†	4.2	0.00120 mg/L	0.002238	0.00120 mg/L	0.002238	185.91%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	2.3	0.00258 mg/L	0.003476	0.00258 mg/L	0.003476	134.82%
V 309.310†	-0.1	-0.00007 mg/L	0.000978	-0.00007 mg/L	0.000978	>999.9%
V 310.230†	-318.5	-0.00233 mg/L	0.000691	-0.00233 mg/L	0.000691	29.62%
Zn 202.548†	2.6	0.01469 mg/L	0.006591	0.01469 mg/L	0.006591	44.88%
Zn 206.200†	1.5	0.01783 mg/L	0.004595	0.01783 mg/L	0.004595	25.77%
Zn 213.857†	3.9	0.00937 mg/L	0.002793	0.00937 mg/L	0.002793	29.81%

All analytes passed QC.

Sequence No.: 41
Sample ID: Hi AQC
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/12/01 2:01:11 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	127491.5						920.54	0.72%
Y 360.073	3019883.2						29969.43	0.99%
Ag 328.068†	-186.9	-0.00111	mg/L	0.000203	-0.00111	mg/L	0.000203	18.26%
Ag 338.289†	126.3	0.00137	mg/L	0.000134	0.00137	mg/L	0.000134	9.80%
Al 308.215†	23504.2	98.15	mg/L	1.794	98.15	mg/L	1.794	1.83%
QC value within limits for Al 308.215 Recovery = 98.15%								
Al 394.401†	45647.6	97.73	mg/L	2.027	97.73	mg/L	2.027	2.07%
Al 396.153†	178755.5	97.55	mg/L	0.464	97.55	mg/L	0.464	0.48%
As 188.979†	-0.5	-0.2010	mg/L	0.60431	-0.2010	mg/L	0.60431	300.71%
As 193.696†	-1.0	-0.00159	mg/L	0.000685	-0.00159	mg/L	0.000685	43.05%
As 197.197†	-0.5	-0.2497	mg/L	0.18896	-0.2497	mg/L	0.18896	75.66%
B 208.889†	2.9	0.1098	mg/L	0.02108	0.1098	mg/L	0.02108	19.19%
B 249.677†	0.1	0.00059	mg/L	0.008551	0.00059	mg/L	0.008551	>999.9%
B 249.772†	79.1	0.1679	mg/L	0.00411	0.1679	mg/L	0.00411	2.45%
Ba 233.527†	0.3	0.00045	mg/L	0.001108	0.00045	mg/L	0.001108	246.75%
Ba 455.403†	-7.6	-0.00013	mg/L	0.000053	-0.00013	mg/L	0.000053	39.04%
Ba 493.408†	80.3	0.00077	mg/L	0.000201	0.00077	mg/L	0.000201	26.20%
Be 234.861†	-169198.8	-0.6793	mg/L	0.0072[illegible]	-0.6793	mg/L	0.00720	1.[illegible]6%
Be 313.042†	5.3	0.00024	mg/L	0.000117	0.00024	mg/L	0.000117	49.48%
Be 313.107†	5.3	0.00024	mg/L	0.000117	0.00024	mg/L	0.000117	49.48%
Ca 315.887†	110773.2	103.7	mg/L	2.16	103.7	mg/L	2.16	2.08%
QC value within limits for Ca 315.887 Recovery = 103.70%								
Ca 317.933†	86277.6	95.83	mg/L	0.384	95.83	mg/L	0.384	0.40%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	81.8	0.00266	mg/L	0.000153	0.00266	mg/L	0.000153	5.77%
Cd 228.802†	-0.4	-0.00077	mg/L	0.001282	-0.00077	mg/L	0.001282	167.45%
Ce 413.380†	24.4	0.02692	mg/L	0.010035	0.02692	mg/L	0.010035	37.27%
Ce 413.764†	-12.7	-0.01364	mg/L	0.010579	-0.01364	mg/L	0.010579	77.54%
Ce 418.660†	28.4	0.01445	mg/L	0.014173	0.01445	mg/L	0.014173	98.09%
Co 228.616†	-61.5	-0.00177	mg/L	0.000437	-0.00177	mg/L	0.000437	24.68%
Co 230.786†	0.1	0.00042	mg/L	0.006206	0.00042	mg/L	0.006206	>999.9%
Co 238.892†	-24.2	-0.1167	mg/L	0.02309	-0.1167	mg/L	0.02309	19.79%
Cr 205.560†	-0.7	-0.03405	mg/L	0.019681	-0.03405	mg/L	0.019681	57.81%
Cr 267.716†	-34.1	-0.00156	mg/L	0.000181	-0.00156	mg/L	0.000181	11.60%
Cr 283.563†	28.2	0.03151	mg/L	0.000506	0.03151	mg/L	0.000506	1.60%
Cu 224.700†	0.1	0.00065	mg/L	0.013279	0.00065	mg/L	0.013279	>999.9%
Cu 324.752†	-1.5	-0.00042	mg/L	0.000906	-0.00042	mg/L	0.000906	218.11%
Cu 327.393†	61.5	0.00111	mg/L	0.000425	0.00111	mg/L	0.000425	38.27%
Fe 238.204†	49703.3	93.58	mg/L	0.333	93.58	mg/L	0.333	0.36%
Fe 239.562†	39241.2	93.82	mg/L	2.150	93.82	mg/L	2.150	2.29%
Fe 259.939†	115587.0	94.20	mg/L	0.582	94.20	mg/L	0.582	0.62%
Fe 273.955†	19475.9	105.2	mg/L	1.77	105.2	mg/L	1.77	1.68%
QC value within limits for Fe 273.955 Recovery = 105.19%								
K 766.490†	47333.8	103.8	mg/L	2.07	103.8	mg/L	2.07	1.99%
QC value within limits for K 766.490 Recovery = 103.82%								
Li 610.362†	-298.7	-0.05773	mg/L	0.008042	-0.05773	mg/L	0.008042	13.93%
Li 670.784†	356.3	0.00882	mg/L	0.001756	0.00882	mg/L	0.001756	19.90%
Mg 279.077†	12475.7	59.70	mg/L	1.029	59.70	mg/L	1.029	1.72%
QC value within limits for Mg 279.077 Recovery = 99.50%								
Mg 280.271†	1870243.2	55.64	mg/L	0.250	55.64	mg/L	0.250	0.45%
Mg 285.213†	51402.2	55.59	mg/L	0.990	55.59	mg/L	0.990	1.78%
Mn 257.610†	16.4	0.00336	mg/L	0.000104	0.00336	mg/L	0.000104	3.09%
Mn 259.372†	827.1	0.00097	mg/L	0.000909	0.00097	mg/L	0.000909	93.44%
Mn 260.568†	1.5	0.00040	mg/L	0.000305	0.00040	mg/L	0.000305	76.99%
Mo 202.031†	-3.5	-0.1393	mg/L	0.02739	-0.1393	mg/L	0.02739	19.67%
Mo 203.845†	1.5	0.1017	mg/L	0.14272	0.1017	mg/L	0.14272	140.40%
Mo 204.597†	14.6	0.00234	mg/L	0.000335	0.00234	mg/L	0.000335	14.33%

Na 588.995†	343155.5	95.30 mg/L	0.462	95.30 mg/L	0.462	0.48%
Na 589.592†	374835.3	97.85 mg/L	0.525	97.85 mg/L	0.525	0.54%

QC value within limits for Na 589.592 Recovery = 97.85%

Ni 221.648†	0.2	0.00664 mg/L	0.017897	0.00664 mg/L	0.017897	269.70%
Ni 231.604†	23.6	0.00214 mg/L	0.000454	0.00214 mg/L	0.000454	21.21%
Ni 232.003†	0.0	0.00071 mg/L	0.022475	0.00071 mg/L	0.022475	>999.9%
Pb 217.000†	0.3	0.02782 mg/L	0.172216	0.02782 mg/L	0.172216	619.08%
Pb 220.353†	1.5	0.00066 mg/L	0.001053	0.00066 mg/L	0.001053	159.40%
Sb 206.836†	3.3	0.00188 mg/L	0.000806	0.00188 mg/L	0.000806	42.75%
Sb 217.582†	-1.1	-0.1945 mg/L	0.08982	-0.1945 mg/L	0.08982	46.18%
Se 196.026†	-16.0	-0.02018 mg/L	0.007391	-0.02018 mg/L	0.007391	36.62%
Se 203.985†	8.4	0.01820 mg/L	0.007659	0.01820 mg/L	0.007659	42.09%
Sn 189.927†	0.5	0.00048 mg/L	0.001946	0.00048 mg/L	0.001946	409.30%
Sn 235.485†	316.0	12.78 mg/L	0.123	12.78 mg/L	0.123	0.97%
Sr 407.771†	-45.6	-0.00044 mg/L	0.000055	-0.00044 mg/L	0.000055	12.45%
Sr 421.552†	51.0	0.00033 mg/L	0.000168	0.00033 mg/L	0.000168	51.04%
Sr 460.733†	-1.4	-0.00020 mg/L	0.003338	-0.00020 mg/L	0.003338	>999.9%
Ti 334.940†	7.1	0.00080 mg/L	0.000290	0.00080 mg/L	0.000290	36.31%
Ti 336.121†	3.3	0.00044 mg/L	0.000597	0.00044 mg/L	0.000597	136.05%
Ti 337.279†	3.2	0.00112 mg/L	0.000418	0.00112 mg/L	0.000418	37.23%
Tl 190.801†	3.2	0.00472 mg/L	0.002285	0.00472 mg/L	0.002285	48.44%
Tl 276.787†	9204.5	2.619 mg/L	0.0401	2.619 mg/L	0.0401	1.53%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-2.7	-0.00311 mg/L	0.003184	-0.00311 mg/L	0.003184	102.47%
V 309.310†	11.8	0.00720 mg/L	0.011146	0.00720 mg/L	0.011146	154.83%
V 310.230†	319.6	0.00234 mg/L	0.000630	0.00234 mg/L	0.000630	26.92%
Zn 202.548†	4.5	0.02167 mg/L	0.011135	0.02167 mg/L	0.011135	51.39%
Zn 206.200†	-1.8	-0.02080 mg/L	0.002328	-0.02080 mg/L	0.002328	11.19%
Zn 213.857†	18.3	0.03489 mg/L	0.003357	0.03489 mg/L	0.003357	9.62%

All analytes passed QC.

Sequence No.: 42 **Autosampler Location: 18**
Sample ID: wash **Date Collected: 9/12/01 2:05:50 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	133668.9						1643.12	1.23%
Y 360.073	3162452.3						65718.77	2.08%
Ag 328.068†	28.0	0.00017	mg/L	0.000400	0.00017	mg/L	0.000400	240.19%
Ag 338.289†	-3.1	-0.00003	mg/L	0.000521	-0.00003	mg/L	0.000521	>999.9%
Al 308.215†	-10.4	-0.04349	mg/L	0.001864	-0.04349	mg/L	0.001864	4.29%
Al 394.401†	-18.9	-0.04036	mg/L	0.007712	-0.04036	mg/L	0.007712	19.11%
Al 396.153†	-88.3	-0.04658	mg/L	0.002648	-0.04658	mg/L	0.002648	5.69%
As 188.979†	-0.2	-0.07383	mg/L	0.490834	-0.07383	mg/L	0.490834	664.79%
As 193.696†	1.5	0.00240	mg/L	0.001065	0.00240	mg/L	0.001065	44.48%
As 197.197†	-0.0	-0.01886	mg/L	0.202125	-0.01886	mg/L	0.202125	>999.9%
B 208.889†	0.2	0.00880	mg/L	0.086233	0.00880	mg/L	0.086233	979.99%
B 249.677†	-0.8	-0.00364	mg/L	0.001456	-0.00364	mg/L	0.001456	39.97%
B 249.772†	-4.5	-0.00957	mg/L	0.002810	-0.00957	mg/L	0.002810	29.36%
Ba 233.527†	-1.6	-0.00271	mg/L	0.001365	-0.00271	mg/L	0.001365	50.36%
Ba 455.403†	-28.7	-0.00051	mg/L	0.000070	-0.00051	mg/L	0.000070	13.75%
Ba 493.408†	-15.7	-0.00015	mg/L	0.000705	-0.00015	mg/L	0.000705	471.48%
Be 234.861†	-6.7	-0.00003	mg/L	0.000054	-0.00003	mg/L	0.000054	198.69%
Be 313.042†	0.0	0.00000	mg/L	0.000084	0.00000	mg/L	0.000084	>999.9%
Be 313.107†	0.0	0.00000	mg/L	0.000084	0.00000	mg/L	0.000084	>999.9%
Ca 315.887†	-115.1	-0.1077	mg/L	0.00701	-0.1077	mg/L	0.00701	6.50%
Ca 317.933†	-95.6	-0.1062	mg/L	0.00589	-0.1062	mg/L	0.00589	5.54%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	1.1	0.00004	mg/L	0.000105	0.00004	mg/L	0.000105	295.37%
Cd 228.802†	-0.7	-0.00126	mg/L	0.001143	-0.00126	mg/L	0.001143	90.62%
Ce 413.380†	1.5	0.00167	mg/L	0.008287	0.00167	mg/L	0.008287	496.71%
Ce 413.764†	-4.2	-0.00446	mg/L	0.010038	-0.00446	mg/L	0.010038	225.15%
Ce 418.660†	4.4	0.00226	mg/L	0.005145	0.00226	mg/L	0.005145	227.39%
Co 228.616†	23.5	0.00068	mg/L	0.000308	0.00068	mg/L	0.000308	45.38%

Co 230.786†	0.6	0.00398	mg/L	0.002090	0.00398	mg/L	0.002090	52.57%
Co 238.892†	-0.6	-0.00286	mg/L	0.001924	-0.00286	mg/L	0.001924	67.26%
Cr 205.560†	-0.1	-0.00491	mg/L	0.013237	-0.00491	mg/L	0.013237	269.57%
Cr 267.716†	-4.6	-0.00021	mg/L	0.000096	-0.00021	mg/L	0.000096	46.06%
Cr 283.563†	-0.4	-0.00047	mg/L	0.001623	-0.00047	mg/L	0.001623	343.77%
Cu 224.700†	-0.9	-0.01102	mg/L	0.003707	-0.01102	mg/L	0.003707	33.65%
Cu 324.752†	-10.6	-0.00299	mg/L	0.000281	-0.00299	mg/L	0.000281	9.39%
Cu 327.393†	-146.6	-0.00265	mg/L	0.000316	-0.00265	mg/L	0.000316	11.93%
Fe 238.204†	7.9	0.01486	mg/L	0.003317	0.01486	mg/L	0.003317	22.32%
Fe 239.562†	8.1	0.01931	mg/L	0.003536	0.01931	mg/L	0.003536	18.32%
Fe 259.939†	21.9	0.01782	mg/L	0.002635	0.01782	mg/L	0.002635	14.78%
Fe 273.955†	3.3	0.01807	mg/L	0.009094	0.01807	mg/L	0.009094	50.32%
K 766.490†	-65.9	-0.1446	mg/L	0.02006	-0.1446	mg/L	0.02006	13.87%
Li 610.362†	103.2	0.01995	mg/L	0.020643	0.01995	mg/L	0.020643	103.46%
Li 670.784†	-356.7	-0.00883	mg/L	0.001606	-0.00883	mg/L	0.001606	18.18%
Mg 279.077†	-0.6	-0.00267	mg/L	0.004179	-0.00267	mg/L	0.004179	156.53%
Mg 280.271†	479.4	0.01426	mg/L	0.001330	0.01426	mg/L	0.001330	9.32%
Mg 285.213†	13.1	0.01415	mg/L	0.001190	0.01415	mg/L	0.001190	8.41%
Mn 257.610†	-4.4	-0.00091	mg/L	0.000113	-0.00091	mg/L	0.000113	12.45%
Mn 259.372†	-2.3	-0.00007	mg/L	0.000382	-0.00007	mg/L	0.000382	551.71%
Mn 260.568†	-3.8	-0.00100	mg/L	0.000670	-0.00100	mg/L	0.000670	67.17%
Mo 202.031†	-1.4	-0.05382	mg/L	0.015111	-0.05382	mg/L	0.015111	28.08%
Mo 203.845†	-1.0	-0.06297	mg/L	0.057615	-0.06297	mg/L	0.057615	91.50%
Mo 204.597†	3.2	0.00051	mg/L	0.000891	0.00051	mg/L	0.000891	176.05%
Na 588.995†	-1271.5	-0.3531	mg/L	0.02612	-0.3531	mg/L	0.02612	7.40%
Na 589.592†	-1443.0	-0.3767	mg/L	0.01895	-0.3767	mg/L	0.01895	5.03%
Ni 221.648†	0.8	0.02912	mg/L	0.006514	0.02912	mg/L	0.006514	22.37%
Ni 231.604†	4.6	0.00042	mg/L	0.000447	0.00042	mg/L	0.000447	107.44%
Ni 232.003†	-2.1	-0.03334	mg/L	0.012158	-0.03334	mg/L	0.012158	36.47%
Pb 217.000†	0.8	0.07755	mg/L	0.033735	0.07755	mg/L	0.033735	43.50%
Pb 220.353†	-4.6	-0.00203	mg/L	0.001166	-0.00203	mg/L	0.001166	57.45%
Sb 206.836†	-0.2	-0.00012	mg/L	0.002344	-0.00012	mg/L	0.002344	>999.9%
Sb 217.582†	-1.1	-0.2033	mg/L	0.12708	-0.2033	mg/L	0.12708	62.50%
Se 196.026†	-0.7	-0.00084	mg/L	0.003827	-0.00084	mg/L	0.003827	454.63%
Se 203.985†	5.5	0.01192	mg/L	0.011187	0.01192	mg/L	0.011187	93.87%
Sn 189.927†	-2.1	-0.00193	mg/L	0.000926	-0.00193	mg/L	0.000926	47.86%
Sn 235.485†	-0.3	-0.01146	mg/L	0.011947	-0.01146	mg/L	0.011947	104.28%
Sr 407.771†	-324.9	-0.00314	mg/L	0.000017	-0.00314	mg/L	0.000017	0.56%
Sr 421.552†	-478.2	-0.00308	mg/L	0.000048	-0.00308	mg/L	0.000048	1.57%
Sr 460.733†	27.4	0.00395	mg/L	0.007516	0.00395	mg/L	0.007516	190.04%
Ti 334.940†	0.3	0.00004	mg/L	0.000423	0.00004	mg/L	0.000423	>999.9%
Ti 336.121†	-2.0	-0.00027	mg/L	0.000400	-0.00027	mg/L	0.000400	148.28%
Ti 337.279†	-1.4	-0.00050	mg/L	0.001369	-0.00050	mg/L	0.001369	272.15%
Tl 190.801†	0.1	0.00016	mg/L	0.002228	0.00016	mg/L	0.002228	>999.9%
Tl 276.787†	-1.8	-0.00051	mg/L	0.004214	-0.00051	mg/L	0.004214	821.36%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	2.8	0.00318	mg/L	0.002167	0.00318	mg/L	0.002167	68.06%
V 309.310†	-0.3	-0.00021	mg/L	0.000279	-0.00021	mg/L	0.000279	134.06%
V 310.230†	-264.0	-0.00193	mg/L	0.000810	-0.00193	mg/L	0.000810	41.86%
Zn 202.548†	-1.0	-0.00574	mg/L	0.006533	-0.00574	mg/L	0.006533	113.83%
Zn 206.200†	-0.4	-0.00516	mg/L	0.005042	-0.00516	mg/L	0.005042	97.74%
Zn 213.857†	-1.3	-0.00317	mg/L	0.001962	-0.00317	mg/L	0.001962	61.85%

Sequence No.: 43
Sample ID: 2001AH07S01
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 9/12/01 2:10:22 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 2001AH07S01

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	128140.1						473.09	0.37%
Y 360.073	3127693.9						5337.76	0.17%
Ag 328.068†	188.2	0.00112	mg/L	0.000147	0.00112	mg/L	0.000147	13.18%
Ag 338.289†	52.6	0.00057	mg/L	0.000670	0.00057	mg/L	0.000670	117.63%
Al 308.215†	362.7	1.515	mg/L	0.0228	1.515	mg/L	0.0228	1.50%
Al 394.401†	700.3	1.499	mg/L	0.0318	1.499	mg/L	0.0318	2.12%

Al 396.153†	2803.9	1.532 mg/L	0.0602	1.532 mg/L	0.0602	3.93%
As 188.979†	-0.5	-0.1804 mg/L	0.16180	-0.1804 mg/L	0.16180	89.70%
As 193.696†	2.2	0.00349 mg/L	0.003354	0.00349 mg/L	0.003354	96.15%
As 197.197†	0.5	0.2194 mg/L	0.17839	0.2194 mg/L	0.17839	81.29%
B 208.889†	10.2	0.3901 mg/L	0.06233	0.3901 mg/L	0.06233	15.98%
B 249.677†	66.2	0.2983 mg/L	0.01995	0.2983 mg/L	0.01995	6.69%
B 249.772†	144.0	0.3057 mg/L	0.00934	0.3057 mg/L	0.00934	3.05%
Ba 233.527†	161.4	0.2707 mg/L	0.00532	0.2707 mg/L	0.00532	1.97%
Ba 455.403†	15339.5	0.2726 mg/L	0.00651	0.2726 mg/L	0.00651	2.39%
Ba 493.408†	28389.3	0.2706 mg/L	0.00643	0.2706 mg/L	0.00643	2.38%
Be 234.861†	-1389.8	-0.00558 mg/L	0.000038	-0.00558 mg/L	0.000038	0.69%
Be 313.042†	-0.6	-0.00003 mg/L	0.000037	-0.00003 mg/L	0.000037	127.66%
Be 313.107†	-0.6	-0.00003 mg/L	0.000037	-0.00003 mg/L	0.000037	127.66%
Ca 315.887†	6034.4	5.649 mg/L	0.0944	5.649 mg/L	0.0944	1.67%
Ca 317.933†	4705.9	5.227 mg/L	0.0968	5.227 mg/L	0.0968	1.85%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	28.1	0.00091 mg/L	0.000112	0.00091 mg/L	0.000112	12.24%
Cd 228.802†	-0.0	-0.00001 mg/L	0.001148	-0.00001 mg/L	0.001148	>999.9%
Ce 413.380†	1.4	0.00158 mg/L	0.004740	0.00158 mg/L	0.004740	299.95%
Ce 413.764†	-4.4	-0.00477 mg/L	0.008993	-0.00477 mg/L	0.008993	188.45%
Ce 418.660†	2.2	0.00112 mg/L	0.004794	0.00112 mg/L	0.004794	426.16%
Co 228.616†	20.3	0.00058 mg/L	0.000110	0.00058 mg/L	0.000110	18.83%
Co 230.786†	-0.4	-0.00285 mg/L	0.003491	-0.00285 mg/L	0.003491	122.61%
Co 238.892†	-0.3	-0.00137 mg/L	0.003781	-0.00137 mg/L	0.003781	275.70%
Cr 205.560†	-0.1	-0.00609 mg/L	0.009868	-0.00609 mg/L	0.009868	162.07%
Cr 267.716†	199.4	0.00913 mg/L	0.000460	0.00913 mg/L	0.000460	5.04%
Cr 283.563†	7.2	0.00806 mg/L	0.001801	0.00806 mg/L	0.001801	22.36%
Cu 224.700†	205.9	2.514 mg/L	0.0629	2.514 mg/L	0.0629	2.50%
Cu 324.752†	8652.8	2.448 mg/L	0.0649	2.448 mg/L	0.0649	2.65%
Cu 327.393†	139403.6	2.520 mg/L	0.0314	2.520 mg/L	0.0314	1.24%
Fe 238.204†	430.0	0.8097 mg/L	0.00835	0.8097 mg/L	0.00835	1.03%
Fe 239.562†	338.6	0.8097 mg/L	0.01155	0.8097 mg/L	0.01155	1.43%
Fe 259.939†	997.6	0.8130 mg/L	0.00893	0.8130 mg/L	0.00893	1.10%
Fe 273.955†	167.9	0.9069 mg/L	0.01854	0.9069 mg/L	0.01854	2.04%
K 766.490†	1133.9	2.487 mg/L	0.1023	2.487 mg/L	0.1023	4.11%
Li 610.362†	-86.0	-0.01662 mg/L	0.009718	-0.01662 mg/L	0.009718	58.49%
Li 670.784†	-248.1	-0.00614 mg/L	0.001434	-0.00614 mg/L	0.001434	23.34%
Mg 279.077†	264.1	1.264 mg/L	0.0184	1.264 mg/L	0.0184	1.45%
Mg 280.271†	41066.8	1.222 mg/L	0.0253	1.222 mg/L	0.0253	2.07%
Mg 285.213†	1123.5	1.215 mg/L	0.0103	1.215 mg/L	0.0103	0.85%
Mn 257.610†	936.6	0.1920 mg/L	0.00156	0.1920 mg/L	0.00156	0.81%
Mn 259.372†	1462.3	0.1913 mg/L	0.00231	0.1913 mg/L	0.00231	1.21%
Mn 260.568†	725.4	0.1913 mg/L	0.00166	0.1913 mg/L	0.00166	0.87%
Mo 202.031†	-1.3	-0.05227 mg/L	0.027331	-0.05227 mg/L	0.027331	52.29%
Mo 203.845†	-0.9	-0.05678 mg/L	0.122750	-0.05678 mg/L	0.122750	216.17%
Mo 204.597†	8.2	0.00132 mg/L	0.000438	0.00132 mg/L	0.000438	33.27%
Na 588.995†	180697.6	50.18 mg/L	0.114	50.18 mg/L	0.114	0.23%
Na 589.592†	195426.2	51.01 mg/L	0.100	51.01 mg/L	0.100	0.20%
Ni 221.648†	-1.6	-0.05697 mg/L	0.014790	-0.05697 mg/L	0.014790	25.96%
Ni 231.604†	42.6	0.00387 mg/L	0.000158	0.00387 mg/L	0.000158	4.09%
Ni 232.003†	-0.3	-0.00459 mg/L	0.022119	-0.00459 mg/L	0.022119	481.78%
Pb 217.000†	1.7	0.1729 mg/L	0.15502	0.1729 mg/L	0.15502	89.64%
Pb 220.353†	58.9	0.02605 mg/L	0.000625	0.02605 mg/L	0.000625	2.40%
Sb 206.836†	3.6	0.00205 mg/L	0.001984	0.00205 mg/L	0.001984	96.69%
Sb 217.582†	-0.6	-0.1026 mg/L	0.17070	-0.1026 mg/L	0.17070	166.42%
Se 196.026†	21.0	0.02652 mg/L	0.001229	0.02652 mg/L	0.001229	4.64%
Se 203.985†	7.4	0.01597 mg/L	0.009820	0.01597 mg/L	0.009820	61.50%
Sn 189.927†	4.5	0.00421 mg/L	0.002221	0.00421 mg/L	0.002221	52.80%
Sn 235.485†	1.6	0.06459 mg/L	0.051500	0.06459 mg/L	0.051500	79.74%
Sr 407.771†	553.3	0.00535 mg/L	0.000073	0.00535 mg/L	0.000073	1.37%
Sr 421.552†	919.2	0.00592 mg/L	0.000422	0.00592 mg/L	0.000422	7.12%
Sr 460.733†	84.8	0.01226 mg/L	0.017142	0.01226 mg/L	0.017142	139.77%
Ti 334.940†	185.8	0.02104 mg/L	0.000307	0.02104 mg/L	0.000307	1.46%
Ti 336.121†	157.8	0.02097 mg/L	0.000576	0.02097 mg/L	0.000576	2.75%
Ti 337.279†	58.8	0.02074 mg/L	0.000950	0.02074 mg/L	0.000950	4.58%
Tl 190.801†	0.6	0.00096 mg/L	0.002334	0.00096 mg/L	0.002334	242.12%
Tl 276.787†	97.1	0.02762 mg/L	0.013256	0.02762 mg/L	0.013256	47.99%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	2.3	0.00264 mg/L	0.001044	0.00264 mg/L	0.001044	39.49%
V 309.310†	5.2	0.00317 mg/L	0.001307	0.00317 mg/L	0.001307	41.19%

V 310.230†	41.3	0.00030 mg/L	0.000225	0.00030 mg/L	0.000225	74.19%
Zn 202.548†	20.2	0.09579 mg/L	0.005872	0.09579 mg/L	0.005872	6.13%
Zn 206.200†	8.6	0.1005 mg/L	0.00254	0.1005 mg/L	0.00254	2.53%
Zn 213.857†	41.5	0.09872 mg/L	0.005332	0.09872 mg/L	0.005332	5.40%

Sequence No.: 44
Sample ID: 2001AH07S01 Dup
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 9/12/01 2:14:54 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 2001AH07S01 Dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	130247.7						1730.93	1.33%
Y 360.073	3107303.7						18814.62	0.61%
Ag 328.068†	200.1	0.00119	mg/L	0.000335	0.00119	mg/L	0.000335	28.13%
Ag 338.289†	22.8	0.00025	mg/L	0.000237	0.00025	mg/L	0.000237	95.85%
Al 308.215†	356.6	1.489	mg/L	0.0141	1.489	mg/L	0.0141	0.95%
Al 394.401†	691.6	1.481	mg/L	0.0126	1.481	mg/L	0.0126	0.85%
Al 396.153†	2702.1	1.476	mg/L	0.0212	1.476	mg/L	0.0212	1.44%
As 188.979†	-0.1	-0.05538	mg/L	0.279231	-0.05538	mg/L	0.279231	504.25%
As 193.696†	3.5	0.00549	mg/L	0.004187	0.00549	mg/L	0.004187	76.30%
As 197.197†	0.1	0.06632	mg/L	0.156729	0.06632	mg/L	0.156729	236.31%
B 208.889†	8.5	0.3250	mg/L	0.06653	0.3250	mg/L	0.06653	20.47%
B 249.677†	67.4	0.3034	mg/L	0.01365	0.3034	mg/L	0.01365	4.50%
B 249.772†	140.6	0.2985	mg/L	0.00215	0.2985	mg/L	0.00215	0.72%
Ba 233.527†	157.0	0.2632	mg/L	0.00096	0.2632	mg/L	0.00096	0.36%
Ba 455.403†	15118.3	0.2686	mg/L	0.00050	0.2686	mg/L	0.00050	0.19%
Ba 493.408†	27916.9	0.2661	mg/L	0.00154	0.2661	mg/L	0.00154	0.58%
Be 234.861†	-1378.3	-0.00553	mg/L	0.000366	-0.00553	mg/L	0.000366	6.62%
Be 313.042†	2.2	0.00010	mg/L	0.000029	0.00010	mg/L	0.000029	29.29%
Be 313.107†	2.2	0.00010	mg/L	0.000029	0.00010	mg/L	0.000029	29.29%
Ca 315.887†	5908.4	5.531	mg/L	0.0591	5.531	mg/L	0.0591	1.07%
Ca 317.933†	4624.1	5.136	mg/L	0.0199	5.136	mg/L	0.0199	0.39%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	27.4	0.00089	mg/L	0.000065	0.00089	mg/L	0.000065	7.27%
Cd 228.802†	0.3	0.00061	mg/L	0.001274	0.00061	mg/L	0.001274	209.02%
Ce 413.380†	-3.2	-0.00354	mg/L	0.006062	-0.00354	mg/L	0.006062	171.18%
Ce 413.764†	-3.2	-0.00339	mg/L	0.004642	-0.00339	mg/L	0.004642	136.84%
Ce 418.660†	5.7	0.00290	mg/L	0.009495	0.00290	mg/L	0.009495	327.29%
Co 228.616†	28.0	0.00081	mg/L	0.000082	0.00081	mg/L	0.000082	10.21%
Co 230.786†	0.4	0.00267	mg/L	0.001472	0.00267	mg/L	0.001472	55.05%
Co 238.892†	-0.8	-0.00399	mg/L	0.001569	-0.00399	mg/L	0.001569	39.30%
Cr 205.560†	-0.0	-0.00077	mg/L	0.024661	-0.00077	mg/L	0.024661	>999.9%
Cr 267.716†	204.3	0.00935	mg/L	0.000172	0.00935	mg/L	0.000172	1.84%
Cr 283.563†	8.3	0.00932	mg/L	0.001721	0.00932	mg/L	0.001721	18.46%
Cu 224.700†	205.4	2.508	mg/L	0.0093	2.508	mg/L	0.0093	0.37%
Cu 324.752†	8599.8	2.433	mg/L	0.0051	2.433	mg/L	0.0051	0.21%
Cu 327.393†	142416.6	2.575	mg/L	0.0710	2.575	mg/L	0.0710	2.76%
Fe 238.204†	421.2	0.7931	mg/L	0.01070	0.7931	mg/L	0.01070	1.35%
Fe 239.562†	332.2	0.7942	mg/L	0.00840	0.7942	mg/L	0.00840	1.06%
Fe 259.939†	979.0	0.7979	mg/L	0.00707	0.7979	mg/L	0.00707	0.89%
Fe 273.955†	166.4	0.8985	mg/L	0.01979	0.8985	mg/L	0.01979	2.20%
K 766.490†	1108.6	2.432	mg/L	0.0616	2.432	mg/L	0.0616	2.54%
Li 610.362†	-48.7	-0.00940	mg/L	0.003733	-0.00940	mg/L	0.003733	39.70%
Li 670.784†	-191.0	-0.00473	mg/L	0.000477	-0.00473	mg/L	0.000477	10.09%
Mg 279.077†	254.8	1.220	mg/L	0.0309	1.220	mg/L	0.0309	2.54%
Mg 280.271†	40372.4	1.201	mg/L	0.0068	1.201	mg/L	0.0068	0.57%
Mg 285.213†	1113.3	1.204	mg/L	0.0137	1.204	mg/L	0.0137	1.14%
Mn 257.610†	938.6	0.1924	mg/L	0.00104	0.1924	mg/L	0.00104	0.54%
Mn 259.372†	1467.0	0.1919	mg/L	0.00147	0.1919	mg/L	0.00147	0.77%
Mn 260.568†	723.3	0.1907	mg/L	0.00220	0.1907	mg/L	0.00220	1.15%
Mo 202.031†	-1.0	-0.03830	mg/L	0.045966	-0.03830	mg/L	0.045966	120.02%
Mo 203.845†	-1.1	-0.07166	mg/L	0.082296	-0.07166	mg/L	0.082296	114.84%
Mo 204.597†	8.2	0.00132	mg/L	0.000321	0.00132	mg/L	0.000321	24.36%
Na 588.995†	178905.5	49.68	mg/L	0.309	49.68	mg/L	0.309	0.62%
Na 589.592†	193599.9	50.54	mg/L	0.253	50.54	mg/L	0.253	0.50%

Ni 221.648†	-2.1	-0.07413 mg/L	0.017753	-0.07413 mg/L	0.017753	23.95%
Ni 231.604†	49.3	0.00448 mg/L	0.000423	0.00448 mg/L	0.000423	9.44%
Ni 232.003†	-0.2	-0.00258 mg/L	0.011684	-0.00258 mg/L	0.011684	452.24%
Pb 217.000†	-0.3	-0.03164 mg/L	0.034562	-0.03164 mg/L	0.034562	109.24%
Pb 220.353†	60.1	0.02661 mg/L	0.001645	0.02661 mg/L	0.001645	6.18%
Sb 206.836†	3.4	0.00193 mg/L	0.000181	0.00193 mg/L	0.000181	9.40%
Sb 217.582†	-0.1	-0.02505 mg/L	0.045697	-0.02505 mg/L	0.045697	182.42%
Se 196.026†	18.9	0.02387 mg/L	0.003383	0.02387 mg/L	0.003383	14.17%
Se 203.985†	7.4	0.01606 mg/L	0.003017	0.01606 mg/L	0.003017	18.78%
Sn 189.927†	2.9	0.00267 mg/L	0.002216	0.00267 mg/L	0.002216	82.95%
Sn 235.485†	2.1	0.08660 mg/L	0.055384	0.08660 mg/L	0.055384	63.95%
Sr 407.771†	514.1	0.00497 mg/L	0.000059	0.00497 mg/L	0.000059	1.19%
Sr 421.552†	866.7	0.00559 mg/L	0.000296	0.00559 mg/L	0.000296	5.31%
Sr 460.733†	31.0	0.00448 mg/L	0.007716	0.00448 mg/L	0.007716	172.31%
Ti 334.940†	190.6	0.02158 mg/L	0.000402	0.02158 mg/L	0.000402	1.86%
Ti 336.121†	161.5	0.02146 mg/L	0.000845	0.02146 mg/L	0.000845	3.94%
Ti 337.279†	61.4	0.02165 mg/L	0.001097	0.02165 mg/L	0.001097	5.07%
Tl 190.801†	0.5	0.00067 mg/L	0.000410	0.00067 mg/L	0.000410	61.27%
Tl 276.787†	132.4	0.03767 mg/L	0.015429	0.03767 mg/L	0.015429	40.96%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	2.7	0.00303 mg/L	0.003067	0.00303 mg/L	0.003067	101.29%
V 309.310†	3.9	0.00239 mg/L	0.001109	0.00239 mg/L	0.001109	46.37%
V 310.230†	347.5	0.00255 mg/L	0.001396	0.00255 mg/L	0.001396	54.81%
Zn 202.548†	21.9	0.1054 mg/L	0.01223	0.1054 mg/L	0.01223	11.60%
Zn 206.200†	10.0	0.1169 mg/L	0.00483	0.1169 mg/L	0.00483	4.13%
Zn 213.857†	50.6	0.1206 mg/L	0.00494	0.1206 mg/L	0.00494	4.10%

Sequence No.: 45
Sample ID: 2001AH07D01
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 9/12/01 2:19:28 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 2001AH07D01

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	127912.9						368.48	0.29%
Y 360.073	3110520.2						37065.90	1.19%
Ag 328.068†	76.8	0.00046	mg/L	0.000393	0.00046	mg/L	0.000393	86.22%
Ag 338.289†	-63.4	-0.00069	mg/L	0.000109	-0.00069	mg/L	0.000109	15.94%
Al 308.215†	673.9	2.814	mg/L	0.0570	2.814	mg/L	0.0570	2.02%
Al 394.401†	1309.1	2.803	mg/L	0.0380	2.803	mg/L	0.0380	1.36%
Al 396.153†	5257.8	2.870	mg/L	0.1086	2.870	mg/L	0.1086	3.78%
As 188.979†	0.4	0.1515	mg/L	0.47892	0.1515	mg/L	0.47892	316.23%
As 193.696†	2.5	0.00393	mg/L	0.002259	0.00393	mg/L	0.002259	57.52%
As 197.197†	0.9	0.4624	mg/L	0.29594	0.4624	mg/L	0.29594	64.01%
B 208.889†	10.3	0.3915	mg/L	0.11178	0.3915	mg/L	0.11178	28.55%
B 249.677†	80.6	0.3631	mg/L	0.01065	0.3631	mg/L	0.01065	2.93%
B 249.772†	175.6	0.3729	mg/L	0.01228	0.3729	mg/L	0.01228	3.29%
Ba 233.527†	203.8	0.3416	mg/L	0.00955	0.3416	mg/L	0.00955	2.79%
Ba 455.403†	19847.4	0.3527	mg/L	0.01195	0.3527	mg/L	0.01195	3.39%
Ba 493.408†	36575.5	0.3486	mg/L	0.01188	0.3486	mg/L	0.01188	3.41%
Be 234.861†	-2053.3	-0.00824	mg/L	0.000100	-0.00824	mg/L	0.000100	1.22%
Be 313.042†	-1.1	-0.00005	mg/L	0.000029	-0.00005	mg/L	0.000029	57.21%
Be 313.107†	-1.1	-0.00005	mg/L	0.000029	-0.00005	mg/L	0.000029	57.21%
Ca 315.887†	7946.0	7.439	mg/L	0.2336	7.439	mg/L	0.2336	3.14%
Ca 317.933†	6246.2	6.938	mg/L	0.1853	6.938	mg/L	0.1853	2.67%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	37.1	0.00120	mg/L	0.000110	0.00120	mg/L	0.000110	9.15%
Cd 228.802†	0.1	0.00012	mg/L	0.002361	0.00012	mg/L	0.002361	>999.9%
Ce 413.380†	-7.4	-0.00822	mg/L	0.003355	-0.00822	mg/L	0.003355	40.81%
Ce 413.764†	-1.7	-0.00184	mg/L	0.012519	-0.00184	mg/L	0.012519	679.62%
Ce 418.660†	16.6	0.00848	mg/L	0.002051	0.00848	mg/L	0.002051	24.19%
Co 228.616†	31.1	0.00090	mg/L	0.000319	0.00090	mg/L	0.000319	35.51%
Co 230.786†	0.7	0.00458	mg/L	0.004233	0.00458	mg/L	0.004233	92.48%
Co 238.892†	-0.1	-0.00043	mg/L	0.004629	-0.00043	mg/L	0.004629	>999.9%
Cr 205.560†	0.3	0.01519	mg/L	0.026271	0.01519	mg/L	0.026271	172.97%
Cr 267.716†	254.6	0.01165	mg/L	0.000207	0.01165	mg/L	0.000207	1.77%

Cr 283.563†	13.2	0.01475 mg/L	0.003433	0.01475 mg/L	0.003433	23.27%
Cu 224.700†	17.6	0.2144 mg/L	0.01946	0.2144 mg/L	0.01946	9.08%
Cu 324.752†	746.1	0.2111 mg/L	0.00433	0.2111 mg/L	0.00433	2.05%
Cu 327.393†	11325.4	0.2047 mg/L	0.00269	0.2047 mg/L	0.00269	1.31%
Fe 238.204†	659.0	1.241 mg/L	0.0285	1.241 mg/L	0.0285	2.30%
Fe 239.562†	518.8	1.240 mg/L	0.0248	1.240 mg/L	0.0248	2.00%
Fe 259.939†	1537.1	1.253 mg/L	0.0274	1.253 mg/L	0.0274	2.19%
Fe 273.955†	256.8	1.387 mg/L	0.0308	1.387 mg/L	0.0308	2.22%
K 766.490†	1489.3	3.267 mg/L	0.1030	3.267 mg/L	0.1030	3.15%
Li 610.362†	-2.3	-0.00045 mg/L	0.018498	-0.00045 mg/L	0.018498	>999.9%
Li 670.784†	-139.5	-0.00345 mg/L	0.001896	-0.00345 mg/L	0.001896	54.87%
Mg 279.077†	355.3	1.700 mg/L	0.0271	1.700 mg/L	0.0271	1.59%
Mg 280.271†	56134.9	1.670 mg/L	0.0531	1.670 mg/L	0.0531	3.18%
Mg 285.213†	1525.2	1.649 mg/L	0.0337	1.649 mg/L	0.0337	2.05%
Mn 257.610†	1419.6	0.2909 mg/L	0.00592	0.2909 mg/L	0.00592	2.03%
Mn 259.372†	2221.3	0.2903 mg/L	0.00611	0.2903 mg/L	0.00611	2.11%
Mn 260.568†	1093.6	0.2883 mg/L	0.00615	0.2883 mg/L	0.00615	2.13%
Mo 202.031†	-0.4	-0.01435 mg/L	0.103127	-0.01435 mg/L	0.103127	718.48%
Mo 203.845†	-0.3	-0.01861 mg/L	0.063098	-0.01861 mg/L	0.063098	338.97%
Mo 204.597†	12.3	0.00198 mg/L	0.000646	0.00198 mg/L	0.000646	32.62%
Na 588.995†	217578.2	60.42 mg/L	1.073	60.42 mg/L	1.073	1.78%
Na 589.592†	235799.7	61.55 mg/L	1.123	61.55 mg/L	1.123	1.83%
Ni 221.648†	-2.3	-0.07793 mg/L	0.014804	-0.07793 mg/L	0.014804	19.00%
Ni 231.604†	79.2	0.00720 mg/L	0.000452	0.00720 mg/L	0.000452	6.28%
Ni 232.003†	0.6	0.00925 mg/L	0.016298	0.00925 mg/L	0.016298	176.21%
Pb 217.000†	0.3	0.02896 mg/L	0.089833	0.02896 mg/L	0.089833	310.23%
Pb 220.353†	65.7	0.02909 mg/L	0.001943	0.02909 mg/L	0.001943	6.68%
Sb 206.836†	6.6	0.00377 mg/L	0.001488	0.00377 mg/L	0.001488	39.47%
Sb 217.582†	0.0	0.00853 mg/L	0.102904	0.00853 mg/L	0.102904	>999.9%
Se 196.026†	27.0	0.03402 mg/L	0.003387	0.03402 mg/L	0.003387	9.96%
Se 203.985†	7.7	0.01665 mg/L	0.002279	0.01665 mg/L	0.002279	13.69%
Sn 189.927†	2.2	0.00200 mg/L	0.000718	0.00200 mg/L	0.000718	35.83%
Sn 235.485†	2.3	0.09173 mg/L	0.098569	0.09173 mg/L	0.098569	107.45%
Sr 407.771†	872.4	0.00844 mg/L	0.000384	0.00844 mg/L	0.000384	4.55%
Sr 421.552†	1383.8	0.00892 mg/L	0.000350	0.00892 mg/L	0.000350	3.92%
Sr 460.733†	49.1	0.00710 mg/L	0.006066	0.00710 mg/L	0.006066	85.42%
Ti 334.940†	248.2	0.02810 mg/L	0.000524	0.02810 mg/L	0.000524	1.86%
Ti 336.121†	211.0	0.02804 mg/L	0.000412	0.02804 mg/L	0.000412	1.47%
Ti 337.279†	79.8	0.02815 mg/L	0.001150	0.02815 mg/L	0.001150	4.09%
Tl 190.801†	-1.3	-0.00199 mg/L	0.002836	-0.00199 mg/L	0.002836	142.24%
Tl 276.787†	164.4	0.04679 mg/L	0.001209	0.04679 mg/L	0.001209	2.58%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	5.0	0.00574 mg/L	0.001849	0.00574 mg/L	0.001849	32.23%
V 309.310†	8.7	0.00527 mg/L	0.000272	0.00527 mg/L	0.000272	5.16%
V 310.230†	297.2	0.00218 mg/L	0.000624	0.00218 mg/L	0.000624	28.67%
Zn 202.548†	41.4	0.2324 mg/L	0.00982	0.2324 mg/L	0.00982	4.23%
Zn 206.200†	20.0	0.2335 mg/L	0.00349	0.2335 mg/L	0.00349	1.49%
Zn 213.857†	98.6	0.2377 mg/L	0.00972	0.2377 mg/L	0.00972	4.09%

Sequence No.: 46
Sample ID: 2001AH07S02
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 9/12/01 2:24:01 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 2001AH07S02

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	129454.6						2333.73	1.80%
Y 360.073	3090148.4						9559.84	0.31%
Ag 328.068†	50.9	0.00030	mg/L	0.000055	0.00030	mg/L	0.000055	18.23%
Ag 338.289†	-35.2	-0.00038	mg/L	0.000501	-0.00038	mg/L	0.000501	131.64%
Al 308.215†	372.3	1.555	mg/L	0.0327	1.555	mg/L	0.0327	2.11%
Al 394.401†	723.9	1.550	mg/L	0.0428	1.550	mg/L	0.0428	2.76%
Al 396.153†	2902.2	1.585	mg/L	0.0684	1.585	mg/L	0.0684	4.32%
As 188.979†	0.4	0.1703	mg/L	0.24483	0.1703	mg/L	0.24483	143.78%
As 193.696†	1.2	0.00195	mg/L	0.001831	0.00195	mg/L	0.001831	93.92%
As 197.197†	-0.1	-0.04562	mg/L	0.255800	-0.04562	mg/L	0.255800	560.73%

B 208.889†	8.8	0.3355 mg/L	0.02352	0.3355 mg/L	0.02352	7.01%
B 249.677†	73.5	0.3311 mg/L	0.01509	0.3311 mg/L	0.01509	4.56%
B 249.772†	151.5	0.3216 mg/L	0.00603	0.3216 mg/L	0.00603	1.87%
Ba 233.527†	166.7	0.2795 mg/L	0.00631	0.2795 mg/L	0.00631	2.26%
Ba 455.403†	16497.3	0.2932 mg/L	0.01004	0.2932 mg/L	0.01004	3.42%
Ba 493.408†	30410.3	0.2898 mg/L	0.00996	0.2898 mg/L	0.00996	3.44%
Be 234.861†	-1200.9	-0.00482 mg/L	0.000153	-0.00482 mg/L	0.000153	3.18%
Be 313.042†	-0.1	-0.00001 mg/L	0.000143	-0.00001 mg/L	0.000143	>999.9%
Be 313.107†	-0.1	-0.00001 mg/L	0.000143	-0.00001 mg/L	0.000143	>999.9%
Ca 315.887†	5813.7	5.443 mg/L	0.2145	5.443 mg/L	0.2145	3.94%
Ca 317.933†	4551.2	5.055 mg/L	0.2032	5.055 mg/L	0.2032	4.02%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	24.6	0.00080 mg/L	0.000059	0.00080 mg/L	0.000059	7.41%
Cd 228.802†	0.1	0.00016 mg/L	0.001352	0.00016 mg/L	0.001352	844.64%
Ce 413.380†	15.5	0.01708 mg/L	0.008382	0.01708 mg/L	0.008382	49.08%
Ce 413.764†	-11.9	-0.01277 mg/L	0.015551	-0.01277 mg/L	0.015551	121.74%
Ce 418.660†	4.5	0.00228 mg/L	0.008653	0.00228 mg/L	0.008653	379.44%
Co 228.616†	27.2	0.00079 mg/L	0.000118	0.00079 mg/L	0.000118	15.03%
Co 230.786†	0.1	0.00083 mg/L	0.003897	0.00083 mg/L	0.003897	469.47%
Co 238.892†	-1.4	-0.00660 mg/L	0.002392	-0.00660 mg/L	0.002392	36.22%
Cr 205.560†	0.2	0.00801 mg/L	0.019275	0.00801 mg/L	0.019275	240.72%
Cr 267.716†	234.5	0.01073 mg/L	0.000104	0.01073 mg/L	0.000104	0.96%
Cr 283.563†	11.2	0.01251 mg/L	0.002303	0.01251 mg/L	0.002303	18.41%
Cu 224.700†	6.8	0.08315 mg/L	0.007702	0.08315 mg/L	0.007702	9.26%
Cu 324.752†	277.9	0.07862 mg/L	0.002611	0.07862 mg/L	0.002611	3.32%
Cu 327.393†	4587.3	0.08293 mg/L	0.000215	0.08293 mg/L	0.000215	0.26%
Fe 238.204†	358.3	0.6746 mg/L	0.01586	0.6746 mg/L	0.01586	2.35%
Fe 239.562†	280.9	0.6716 mg/L	0.01603	0.6716 mg/L	0.01603	2.39%
Fe 259.939†	827.2	0.6741 mg/L	0.01475	0.6741 mg/L	0.01475	2.19%
Fe 273.955†	138.1	0.7457 mg/L	0.01293	0.7457 mg/L	0.01293	1.73%
K 766.490†	1212.0	2.658 mg/L	0.0476	2.658 mg/L	0.0476	1.79%
Li 610.362†	4.4	0.00084 mg/L	0.005334	0.00084 mg/L	0.005334	632.54%
Li 670.784†	-185.6	-0.00460 mg/L	0.001020	-0.00460 mg/L	0.001020	22.20%
Mg 279.077†	268.8	1.286 mg/L	0.0405	1.286 mg/L	0.0405	3.15%
Mg 280.271†	43510.0	1.295 mg/L	0.0407	1.295 mg/L	0.0407	3.14%
Mg 285.213†	1160.7	1.255 mg/L	0.0263	1.255 mg/L	0.0263	2.10%
Mn 257.610†	796.1	0.1632 mg/L	0.00330	0.1632 mg/L	0.00330	2.02%
Mn 259.372†	1243.7	0.1627 mg/L	0.00361	0.1627 mg/L	0.00361	2.22%
Mn 260.568†	613.5	0.1618 mg/L	0.00260	0.1618 mg/L	0.00260	1.61%
Mo 202.031†	-1.0	-0.04003 mg/L	0.013052	-0.04003 mg/L	0.013052	32.60%
Mo 203.845†	-0.6	-0.03826 mg/L	0.050128	-0.03826 mg/L	0.050128	131.01%
Mo 204.597†	5.6	0.00090 mg/L	0.000610	0.00090 mg/L	0.000610	68.11%
Na 588.995†	184849.8	51.33 mg/L	0.247	51.33 mg/L	0.247	0.48%
Na 589.592†	199924.1	52.19 mg/L	0.225	52.19 mg/L	0.225	0.43%
Ni 221.648†	-1.5	-0.05127 mg/L	0.015269	-0.05127 mg/L	0.015269	29.78%
Ni 231.604†	51.1	0.00464 mg/L	0.000296	0.00464 mg/L	0.000296	6.37%
Ni 232.003†	0.1	0.00188 mg/L	0.015550	0.00188 mg/L	0.015550	827.68%
Pb 217.000†	-0.8	-0.08322 mg/L	0.044816	-0.08322 mg/L	0.044816	53.85%
Pb 220.353†	42.8	0.01892 mg/L	0.001306	0.01892 mg/L	0.001306	6.90%
Sb 206.836†	3.2	0.00182 mg/L	0.002061	0.00182 mg/L	0.002061	113.24%
Sb 217.582†	-0.1	-0.00940 mg/L	0.119949	-0.00940 mg/L	0.119949	>999.9%
Se 196.026†	22.4	0.02824 mg/L	0.005609	0.02824 mg/L	0.005609	19.86%
Se 203.985†	7.3	0.01573 mg/L	0.001252	0.01573 mg/L	0.001252	7.96%
Sn 189.927†	-0.5	-0.00044 mg/L	0.001807	-0.00044 mg/L	0.001807	408.70%
Sn 235.485†	2.6	0.1063 mg/L	0.09444	0.1063 mg/L	0.09444	88.86%
Sr 407.771†	484.3	0.00468 mg/L	0.000261	0.00468 mg/L	0.000261	5.58%
Sr 421.552†	771.3	0.00497 mg/L	0.000512	0.00497 mg/L	0.000512	10.30%
Sr 460.733†	59.9	0.00867 mg/L	0.006361	0.00867 mg/L	0.006361	73.41%
Ti 334.940†	187.4	0.02122 mg/L	0.000474	0.02122 mg/L	0.000474	2.23%
Ti 336.121†	161.4	0.02145 mg/L	0.000607	0.02145 mg/L	0.000607	2.83%
Ti 337.279†	59.0	0.02081 mg/L	0.000596	0.02081 mg/L	0.000596	2.86%
Tl 190.801†	-0.5	-0.00074 mg/L	0.001237	-0.00074 mg/L	0.001237	166.90%
Tl 276.787†	97.1	0.02763 mg/L	0.001923	0.02763 mg/L	0.001923	6.96%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	2.7	0.00312 mg/L	0.002661	0.00312 mg/L	0.002661	85.20%
V 309.310†	3.9	0.00240 mg/L	0.002004	0.00240 mg/L	0.002004	83.61%
V 310.230†	-150.3	-0.00110 mg/L	0.000065	-0.00110 mg/L	0.000065	5.91%
Zn 202.548†	19.4	0.1088 mg/L	0.01364	0.1088 mg/L	0.01364	12.54%
Zn 206.200†	9.8	0.1149 mg/L	0.00564	0.1149 mg/L	0.00564	4.90%
Zn 213.857†	46.4	0.1118 mg/L	0.00749	0.1118 mg/L	0.00749	6.70%

Sequence No.: 47
Sample ID: 2001AH07S03
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 9/12/01 2:28:36 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 2001AH07S03

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	126498.6						751.15	0.59%
Y 360.073	3122050.3						45816.30	1.47%
Ag 328.068†	129.5	0.00077	mg/L	0.000288	0.00077	mg/L	0.000288	37.42%
Ag 338.289†	-3.0	-0.00003	mg/L	0.000921	-0.00003	mg/L	0.000921	>999.9%
Al 308.215†	315.2	1.316	mg/L	0.0160	1.316	mg/L	0.0160	1.21%
Al 394.401†	612.4	1.311	mg/L	0.0200	1.311	mg/L	0.0200	1.53%
Al 396.153†	2414.6	1.319	mg/L	0.0376	1.319	mg/L	0.0376	2.85%
As 188.979†	-0.1	-0.05029	mg/L	0.256158	-0.05029	mg/L	0.256158	509.32%
As 193.696†	1.6	0.00257	mg/L	0.000892	0.00257	mg/L	0.000892	34.76%
As 197.197†	0.3	0.1251	mg/L	0.05853	0.1251	mg/L	0.05853	46.79%
B 208.889†	10.5	0.3986	mg/L	0.05033	0.3986	mg/L	0.05033	12.63%
B 249.677†	65.1	0.2932	mg/L	0.00848	0.2932	mg/L	0.00848	2.89%
B 249.772†	144.6	0.3070	mg/L	0.00270	0.3070	mg/L	0.00270	0.88%
Ba 233.527†	155.3	0.2604	mg/L	0.00183	0.2604	mg/L	0.00183	0.70%
Ba 455.403†	15307.5	0.2720	mg/L	0.00308	0.2720	mg/L	0.00308	1.13%
Ba 493.408†	28200.7	0.2688	mg/L	0.00292	0.2688	mg/L	0.00292	1.09%
Be 234.861†	-1126.0	-0.00452	mg/L	0.000164	-0.00452	mg/L	0.000164	3.62%
Be 313.042†	-5.8	-0.00026	mg/L	0.000046	-0.00026	mg/L	0.000046	17.87%
Be 313.107†	-5.8	-0.00026	mg/L	0.000046	-0.00026	mg/L	0.000046	17.87%
Ca 315.887†	5111.2	4.785	mg/L	0.1021	4.785	mg/L	0.1021	2.13%
Ca 317.933†	4008.7	4.453	mg/L	0.0177	4.453	mg/L	0.0177	0.40%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	32.4	0.00105	mg/L	0.000056	0.00105	mg/L	0.000056	5.32%
Cd 228.802†	0.7	0.00122	mg/L	0.000848	0.00122	mg/L	0.000848	69.51%
Ce 413.380†	5.4	0.00592	mg/L	0.007616	0.00592	mg/L	0.007616	128.69%
Ce 413.764†	-3.1	-0.00335	mg/L	0.006263	-0.00335	mg/L	0.006263	186.72%
Ce 418.660†	1.1	0.00055	mg/L	0.009868	0.00055	mg/L	0.009868	>999.9%
Co 228.616†	12.8	0.00037	mg/L	0.000459	0.00037	mg/L	0.000459	124.30%
Co 230.786†	-0.1	-0.00045	mg/L	0.006239	-0.00045	mg/L	0.006239	>999.9%
Co 238.892†	-1.2	-0.00579	mg/L	0.001077	-0.00579	mg/L	0.001077	18.61%
Cr 205.560†	0.2	0.00824	mg/L	0.019139	0.00824	mg/L	0.019139	232.20%
Cr 267.716†	184.1	0.00842	mg/L	0.000077	0.00842	mg/L	0.000077	0.92%
Cr 283.563†	8.5	0.00950	mg/L	0.001879	0.00950	mg/L	0.001879	19.79%
Cu 224.700†	46.4	0.5660	mg/L	0.01640	0.5660	mg/L	0.01640	2.90%
Cu 324.752†	1934.4	0.5473	mg/L	0.00189	0.5473	mg/L	0.00189	0.34%
Cu 327.393†	30709.2	0.5552	mg/L	0.00845	0.5552	mg/L	0.00845	1.52%
Fe 238.204†	390.8	0.7359	mg/L	0.02873	0.7359	mg/L	0.02873	3.90%
Fe 239.562†	308.4	0.7373	mg/L	0.03216	0.7373	mg/L	0.03216	4.36%
Fe 259.939†	906.6	0.7388	mg/L	0.03184	0.7388	mg/L	0.03184	4.31%
Fe 273.955†	153.5	0.8293	mg/L	0.03126	0.8293	mg/L	0.03126	3.77%
K 766.490†	1118.3	2.453	mg/L	0.0568	2.453	mg/L	0.0568	2.32%
Li 610.362†	-110.6	-0.02138	mg/L	0.013266	-0.02138	mg/L	0.013266	62.05%
Li 670.784†	-197.4	-0.00489	mg/L	0.000513	-0.00489	mg/L	0.000513	10.50%
Mg 279.077†	244.2	1.169	mg/L	0.0232	1.169	mg/L	0.0232	1.99%
Mg 280.271†	38360.2	1.141	mg/L	0.0132	1.141	mg/L	0.0132	1.16%
Mg 285.213†	1044.0	1.129	mg/L	0.0061	1.129	mg/L	0.0061	0.54%
Mn 257.610†	369.9	0.07581	mg/L	0.000863	0.07581	mg/L	0.000863	1.14%
Mn 259.372†	584.4	0.07613	mg/L	0.001001	0.07613	mg/L	0.001001	1.32%
Mn 260.568†	283.0	0.07462	mg/L	0.000998	0.07462	mg/L	0.000998	1.34%
Mo 202.031†	-1.3	-0.05229	mg/L	0.028313	-0.05229	mg/L	0.028313	54.15%
Mo 203.845†	-0.4	-0.02475	mg/L	0.017849	-0.02475	mg/L	0.017849	72.13%
Mo 204.597†	12.6	0.00202	mg/L	0.000122	0.00202	mg/L	0.000122	6.07%
Na 588.995†	175101.5	48.63	mg/L	0.029	48.63	mg/L	0.029	0.06%
Na 589.592†	189501.1	49.47	mg/L	0.061	49.47	mg/L	0.061	0.12%
Ni 221.648†	-1.7	-0.05808	mg/L	0.017990	-0.05808	mg/L	0.017990	30.97%
Ni 231.604†	63.2	0.00575	mg/L	0.000435	0.00575	mg/L	0.000435	7.56%
Ni 232.003†	-0.3	-0.00421	mg/L	0.004216	-0.00421	mg/L	0.004216	100.17%
Pb 217.000†	0.8	0.08034	mg/L	0.070048	0.08034	mg/L	0.070048	87.19%

Pb 220.353†	30.7	0.01359 mg/L	0.000458	0.01359 mg/L	0.000458	3.37%
Sb 206.836†	13.1	0.00753 mg/L	0.001811	0.00753 mg/L	0.001811	24.05%
Sb 217.582†	-0.4	-0.06411 mg/L	0.107567	-0.06411 mg/L	0.107567	167.80%
Se 196.026†	21.8	0.02742 mg/L	0.000654	0.02742 mg/L	0.000654	2.38%
Se 203.985†	4.9	0.01057 mg/L	0.006334	0.01057 mg/L	0.006334	59.93%
Sn 189.927†	5.1	0.00475 mg/L	0.001310	0.00475 mg/L	0.001310	27.58%
Sn 235.485†	2.1	0.08303 mg/L	0.045343	0.08303 mg/L	0.045343	54.61%
Sr 407.771†	278.0	0.00269 mg/L	0.000099	0.00269 mg/L	0.000099	3.68%
Sr 421.552†	538.1	0.00347 mg/L	0.000367	0.00347 mg/L	0.000367	10.59%
Sr 460.733†	31.5	0.00455 mg/L	0.004863	0.00455 mg/L	0.004863	106.91%
Ti 334.940†	140.2	0.01588 mg/L	0.000476	0.01588 mg/L	0.000476	3.00%
Ti 336.121†	117.2	0.01558 mg/L	0.000289	0.01558 mg/L	0.000289	1.86%
Ti 337.279†	44.8	0.01579 mg/L	0.000043	0.01579 mg/L	0.000043	0.27%
Tl 190.801†	-1.5	-0.00226 mg/L	0.001837	-0.00226 mg/L	0.001837	81.13%
Tl 276.787†	94.8	0.02697 mg/L	0.011576	0.02697 mg/L	0.011576	42.92%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	5.2	0.00589 mg/L	0.000614	0.00589 mg/L	0.000614	10.43%
V 309.310†	3.4	0.00205 mg/L	0.000991	0.00205 mg/L	0.000991	48.36%
V 310.230†	-185.7	-0.00136 mg/L	0.000962	-0.00136 mg/L	0.000962	70.70%
Zn 202.548†	20.3	0.1103 mg/L	0.01335	0.1103 mg/L	0.01335	12.10%
Zn 206.200†	9.7	0.1135 mg/L	0.00746	0.1135 mg/L	0.00746	6.57%
Zn 213.857†	48.0	0.1153 mg/L	0.00227	0.1153 mg/L	0.00227	1.97%

Sequence No.: 48
Sample ID: 2001AH07S01
Analyst:
Sample Wt:
Dilution: 2X

Autosampler Location: 39
Date Collected: 9/12/01 2:33:03 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 2001AH07S01

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	128679.3						2625.51	2.04%
Y 360.073	3156173.7						20881.54	0.66%
Ag 328.068†	116.4	0.00069	mg/L	0.000727	0.00138	mg/L	0.001455	105.15%
Ag 338.289†	21.2	0.00023	mg/L	0.000639	0.00046	mg/L	0.001279	278.83%
Al 308.215†	166.1	0.6935	mg/L	0.01385	1.387	mg/L	0.0277	2.00%
Al 394.401†	327.4	0.7010	mg/L	0.01575	1.402	mg/L	0.0315	2.25%
Al 396.153†	1290.7	0.7049	mg/L	0.02174	1.410	mg/L	0.0435	3.08%
As 188.979†	0.7	0.2559	mg/L	0.44534	0.5118	mg/L	0.89067	174.01%
As 193.696†	1.9	0.00299	mg/L	0.000876	0.00599	mg/L	0.001752	29.26%
As 197.197†	0.0	0.01458	mg/L	0.143602	0.02917	mg/L	0.287204	984.61%
B 208.889†	5.8	0.2207	mg/L	0.05846	0.4414	mg/L	0.11691	26.49%
B 249.677†	32.2	0.1452	mg/L	0.01756	0.2904	mg/L	0.03512	12.09%
B 249.772†	70.0	0.1485	mg/L	0.00527	0.2970	mg/L	0.01053	3.55%
Ba 233.527†	76.7	0.1287	mg/L	0.00467	0.2573	mg/L	0.00934	3.63%
Ba 455.403†	7522.8	0.1337	mg/L	0.00032	0.2674	mg/L	0.00064	0.24%
Ba 493.408†	13966.7	0.1331	mg/L	0.00065	0.2662	mg/L	0.00131	0.49%
Be 234.861†	-736.9	-0.00296	mg/L	0.000223	-0.00592	mg/L	0.000447	7.55%
Be 313.042†	-6.2	-0.00028	mg/L	0.000176	-0.00055	mg/L	0.000352	64.03%
Be 313.107†	-6.2	-0.00028	mg/L	0.000176	-0.00055	mg/L	0.000352	64.03%
Ca 315.887†	2862.7	2.680	mg/L	0.0759	5.360	mg/L	0.1519	2.83%
Ca 317.933†	2227.8	2.474	mg/L	0.0602	4.949	mg/L	0.1204	2.43%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	13.2	0.00043	mg/L	0.000044	0.00086	mg/L	0.000087	10.18%
Cd 228.802†	-0.2	-0.00039	mg/L	0.001044	-0.00079	mg/L	0.002088	265.48%
Ce 413.380†	8.0	0.00883	mg/L	0.003459	0.01766	mg/L	0.006919	39.17%
Ce 413.764†	-1.2	-0.00132	mg/L	0.008232	-0.00263	mg/L	0.016464	625.01%
Ce 418.660†	12.6	0.00641	mg/L	0.003427	0.01282	mg/L	0.006855	53.49%
Co 228.616†	6.0	0.00017	mg/L	0.000193	0.00035	mg/L	0.000387	111.32%
Co 230.786†	-0.4	-0.00256	mg/L	0.002317	-0.00512	mg/L	0.004633	90.57%
Co 238.892†	0.0	0.00015	mg/L	0.002672	0.00031	mg/L	0.005344	>999.9%
Cr 205.560†	-0.1	-0.00230	mg/L	0.004297	-0.00460	mg/L	0.008595	186.71%
Cr 267.716†	95.0	0.00435	mg/L	0.000416	0.00869	mg/L	0.000832	9.57%
Cr 283.563†	2.0	0.00225	mg/L	0.000218	0.00450	mg/L	0.000437	9.71%
Cu 224.700†	97.4	1.189	mg/L	0.0340	2.378	mg/L	0.0679	2.86%
Cu 324.752†	4091.8	1.158	mg/L	0.0060	2.315	mg/L	0.0120	0.52%
Cu 327.393†	65000.5	1.175	mg/L	0.0238	2.350	mg/L	0.0476	2.03%

Fe 238.204†	229.5	0.4321 mg/L	0.01475	0.8642 mg/L	0.02949	3.41%
Fe 239.562†	180.7	0.4320 mg/L	0.01508	0.8641 mg/L	0.03016	3.49%
Fe 259.939†	535.1	0.4361 mg/L	0.01590	0.8721 mg/L	0.03180	3.65%
Fe 273.955†	90.4	0.4885 mg/L	0.01033	0.9771 mg/L	0.02065	2.11%
K 766.490†	594.8	1.305 mg/L	0.0364	2.609 mg/L	0.0729	2.79%
Li 610.362†	7.7	0.00148 mg/L	0.007669	0.00296 mg/L	0.015338	518.13%
Li 670.784†	-107.2	-0.00266 mg/L	0.001109	-0.00531 mg/L	0.002217	41.75%
Mg 279.077†	126.7	0.6062 mg/L	0.03068	1.212 mg/L	0.0614	5.06%
Mg 280.271†	19646.2	0.5845 mg/L	0.00252	1.169 mg/L	0.0050	0.43%
Mg 285.213†	537.9	0.5817 mg/L	0.01241	1.163 mg/L	0.0248	2.13%
Mn 257.610†	452.5	0.09274 mg/L	0.002608	0.1855 mg/L	0.00522	2.81%
Mn 259.372†	708.4	0.09258 mg/L	0.001861	0.1852 mg/L	0.00372	2.01%
Mn 260.568†	349.3	0.09210 mg/L	0.001813	0.1842 mg/L	0.00363	1.97%
Mo 202.031†	-0.4	-0.01497 mg/L	0.030659	-0.02995 mg/L	0.061319	204.74%
Mo 203.845†	-0.9	-0.05611 mg/L	0.076718	-0.1122 mg/L	0.15344	136.72%
Mo 204.597†	3.7	0.00060 mg/L	0.000489	0.00120 mg/L	0.000978	81.45%
Na 588.995†	88507.5	24.58 mg/L	0.119	49.16 mg/L	0.237	0.48%
Na 589.592†	95456.5	24.92 mg/L	0.134	49.84 mg/L	0.268	0.54%
Ni 221.648†	-0.6	-0.01948 mg/L	0.020144	-0.03896 mg/L	0.040288	103.42%
Ni 231.604†	19.6	0.00178 mg/L	0.000368	0.00355 mg/L	0.000736	20.72%
Ni 232.003†	-0.3	-0.00536 mg/L	0.016119	-0.01073 mg/L	0.032238	300.45%
Pb 217.000†	-0.8	-0.07589 mg/L	0.038666	-0.1518 mg/L	0.07733	50.95%
Pb 220.353†	28.2	0.01248 mg/L	0.000421	0.02496 mg/L	0.000841	3.37%
Sb 206.836†	0.8	0.00047 mg/L	0.002415	0.00093 mg/L	0.004830	516.79%
Sb 217.582†	-0.1	-0.01050 mg/L	0.132062	-0.02100 mg/L	0.264124	>999.9%
Se 196.026†	11.3	0.01418 mg/L	0.005125	0.02836 mg/L	0.010250	36.14%
Se 203.985†	7.2	0.01549 mg/L	0.002776	0.03098 mg/L	0.005552	17.92%
Sn 189.927†	0.7	0.00069 mg/L	0.001428	0.00138 mg/L	0.002855	207.12%
Sn 235.485†	-0.2	-0.00667 mg/L	0.099695	-0.01334 mg/L	0.199390	>999.9%
Sr 407.771†	192.5	0.00186 mg/L	0.000111	0.00372 mg/L	0.000223	5.98%
Sr 421.552†	370.6	0.00239 mg/L	0.000349	0.00478 mg/L	0.000698	14.62%
Sr 460.733†	58.6	0.00847 mg/L	0.004781	0.01694 mg/L	0.009562	56.45%
Ti 334.940†	90.8	0.01028 mg/L	0.000406	0.02057 mg/L	0.000812	3.95%
Ti 336.121†	75.1	0.00998 mg/L	0.000169	0.01997 mg/L	0.000338	1.69%
Ti 337.279†	28.7	0.01013 mg/L	0.000983	0.02026 mg/L	0.001965	9.70%
Tl 190.801†	-0.1	-0.00017 mg/L	0.003267	-0.00034 mg/L	0.006535	>999.9%
Tl 276.787†	46.5	0.01324 mg/L	0.001935	0.02648 mg/L	0.003870	14.61%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	5.6	0.00642 mg/L	0.001808	0.01285 mg/L	0.003615	28.13%
V 309.310†	0.1	0.00008 mg/L	0.001648	0.00016 mg/L	0.003297	>999.9%
V 310.230†	-575.3	-0.00422 mg/L	0.000526	-0.00843 mg/L	0.001051	12.47%
Zn 202.548†	9.3	0.04391 mg/L	0.003135	0.08782 mg/L	0.006271	7.14%
Zn 206.200†	4.0	0.04729 mg/L	0.001800	0.09457 mg/L	0.003599	3.81%
Zn 213.857†	21.1	0.05029 mg/L	0.005464	0.1006 mg/L	0.01093	10.87%

Sequence No.: 49
Sample ID: 2001AH07S01 Dup
Analyst:
Sample Wt:
Dilution: 2X

Autosampler Location: 40
Date Collected: 9/12/01 2:37:27 PM

Sample Prep Volume:
Data Type: Original

1S tubing cap

Mean Data: 2001AH07S01 Dup

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	-46.3						12.07	26.05%
Y 360.073	223.5						69.01	30.88%
Ag 328.068†	967353.5	5.749	mg/L	1.2861	11.50	mg/L	2.572	22.37%
Ag 338.289†	-3313794.7	-35.85	mg/L	13.291	-71.70	mg/L	26.583	37.08%
Al 308.215†	4653.4	19.43	mg/L	46.713	38.86	mg/L	93.426	240.39%
Al 394.401†	-218.2	-0.4671	mg/L	3.78216	-0.9342	mg/L	7.56431	809.73%
Al 396.153†	73869.8	40.59	mg/L	7.998	81.19	mg/L	15.997	19.70%
As 188.979†	-4952.2	-1936	mg/L	114.8	-3871	mg/L	229.5	5.93%
As 193.696†	-299797.2	-471.0	mg/L	176.89	-941.9	mg/L	353.78	37.56%
As 197.197†	-633.6	-308.4	mg/L	627.28	-616.8	mg/L	1254.56	203.40%
B 208.889†	-89339.8	-3404	mg/L	911.7	-6807	mg/L	1823.4	26.79%
B 249.677†	7602.1	34.24	mg/L	27.389	68.48	mg/L	54.779	80.00%
B 249.772†	-25062.1	-53.21	mg/L	13.472	-106.4	mg/L	26.94	25.32%
Ba 233.527†	6208.3	10.41	mg/L	2.337	20.82	mg/L	4.674	22.45%

Ba 455.403†	-361787.1	-6.429 mg/L	2.4357	-12.86 mg/L	4.871	37.89%
Ba 493.408†	-83546.6	-0.7963 mg/L	1.99732	-1.593 mg/L	3.9946	250.82%
Be 234.861†	-4506937.1	-18.09 mg/L	6.670	-36.19 mg/L	13.341	36.86%
Be 313.042†	275892.2	12.20 mg/L	3.609	24.40 mg/L	7.218	29.58%
Be 313.107†	275892.2	12.20 mg/L	3.609	24.40 mg/L	7.218	29.58%
Ca 315.887†	-116716.1	-109.3 mg/L	38.73	-218.5 mg/L	77.46	35.44%
Ca 317.933†	-28577.6	-31.74 mg/L	17.120	-63.48 mg/L	34.239	53.93%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	-180686.1	-5.867 mg/L	3.1742	-11.73 mg/L	6.348	54.10%
Cd 228.802†	-8138.5	-14.64 mg/L	8.383	-29.28 mg/L	16.767	57.27%
Ce 413.380†	600954.8	664.2 mg/L	216.54	1328 mg/L	433.1	32.60%
Ce 413.764†	59251.5	63.65 mg/L	6.911	127.3 mg/L	13.82	10.86%
Ce 418.660†	971628.8	495.1 mg/L	185.38	990.2 mg/L	370.76	37.44%
Co 228.616†	3196162.0	92.11 mg/L	35.786	184.2 mg/L	71.57	38.85%
Co 230.786†	1312.0	8.522 mg/L	6.4899	17.04 mg/L	12.980	76.15%
Co 238.892†	2706.6	13.03 mg/L	5.663	26.06 mg/L	11.325	43.45%
Cr 205.560†	-891.7	-40.93 mg/L	50.285	-81.86 mg/L	100.570	122.85%
Cr 267.716†	-284244.8	-13.01 mg/L	3.219	-26.01 mg/L	6.439	24.75%
Cr 283.563†	8629.5	9.658 mg/L	8.5445	19.32 mg/L	17.089	88.47%
Cu 224.700†	11571.3	141.3 mg/L	76.02	282.6 mg/L	152.04	53.81%
Cu 324.752†	-124293.9	-35.17 mg/L	12.770	-70.33 mg/L	25.540	36.31%
Cu 327.393†	7003690.4	126.6 mg/L	67.46	253.2 mg/L	134.92	53.28%
Fe 238.204†	569.9	1.073 mg/L	9.1706	2.146 mg/L	18.3412	854.63%
Fe 239.562†	445.0	1.064 mg/L	8.3017	2.128 mg/L	16.6034	780.21%
Fe 259.939†	1753.8	1.429 mg/L	2.1165	2.859 mg/L	4.2329	148.08%
Fe 273.955†	1459.5	7.883 mg/L	25.1844	15.77 mg/L	50.369	319.49%
K 766.490†	-557885.9	-1224 mg/L	481.4	-2447 mg/L	962.9	39.34%
Li 610.362†	8304490.9	1605 mg/L	513.4	3210 mg/L	1026.8	31.98%
Li 670.784†	-2865911.4	-70.98 mg/L	20.406	-142.0 mg/L	40.81	28.75%
Mg 279.077†	-84092.1	-402.4 mg/L	99.90	-804.8 mg/L	199.80	24.83%
Mg 280.271†	-977655.7	-29.09 mg/L	9.221	-58.18 mg/L	18.441	31.70%
Mg 285.213†	-22407.1	-24.23 mg/L	10.493	-48.47 mg/L	20.987	43.30%
Mn 257.610†	-35125.2	-7.199 mg/L	2.1904	-14.40 mg/L	4.381	30.43%
Mn 259.372†	-6702.1	-1.084 mg/L	0.1902	-2.168 mg/L	0.3803	17.55%
Mn 260.568†	-18615.9	-4.908 mg/L	0.8880	-9.817 mg/L	1.7760	18.09%
Mo 202.031†	1032.0	40.96 mg/L	92.649	81.93 mg/L	185.298	226.17%
Mo 203.845†	-3082.2	-202.5 mg/L	123.86	-405.0 mg/L	247.73	61.17%
Mo 204.597†	-448452.5	-71.95 mg/L	35.812	-143.9 mg/L	71.62	49.77%
Na 588.995†	6205396.4	1723 mg/L	465.4	3447 mg/L	930.9	27.01%
Na 589.592†	-6046057.1	-1578 mg/L	594.4	-3157 mg/L	1188.8	37.66%
Ni 221.648†	-2396.1	-82.91 mg/L	110.616	-165.8 mg/L	221.23	133.42%
Ni 231.604†	-268567.0	-24.41 mg/L	6.932	-48.82 mg/L	13.864	28.40%
Ni 232.003†	4535.4	72.64 mg/L	22.296	145.3 mg/L	44.59	30.69%
Pb 217.000†	6040.7	610.2 mg/L	252.19	1220 mg/L	504.4	41.33%
Pb 220.353†	159976.2	70.81 mg/L	21.763	141.6 mg/L	43.53	30.74%
Sb 206.836†	-109552.1	-62.79 mg/L	38.503	-125.6 mg/L	77.01	61.32%
Sb 217.582†	1599.1	283.0 mg/L	307.29	566.0 mg/L	614.58	108.58%
Se 196.026†	40463.1	50.97 mg/L	13.066	101.9 mg/L	26.13	25.63%
Se 203.985†	-1154724.9	-2498 mg/L	968.0	-4996 mg/L	1936.0	38.75%
Sn 189.927†	-21846.4	-20.25 mg/L	12.450	-40.50 mg/L	24.900	61.48%
Sn 235.485†	-12235.0	-494.6 mg/L	395.64	-989.2 mg/L	791.29	79.99%
Sr 407.771†	48400.8	0.4681 mg/L	0.19634	0.9362 mg/L	0.39268	41.95%
Sr 421.552†	-1059360.0	-6.827 mg/L	2.5995	-13.65 mg/L	5.199	38.08%
Sr 460.733†	845958.1	122.3 mg/L	31.60	244.6 mg/L	63.20	25.83%
Ti 334.940†	5643.1	0.6389 mg/L	0.71839	1.278 mg/L	1.4368	112.44%
Ti 336.121†	-24127.2	-3.206 mg/L	1.1951	-6.412 mg/L	2.3903	37.28%
Ti 337.279†	-57675.0	-20.35 mg/L	3.905	-40.71 mg/L	7.811	19.19%
Tl 190.801†	-92523.7	-137.4 mg/L	40.96	-274.9 mg/L	81.93	29.80%
Tl 276.787†	458311.5	130.4 mg/L	50.46	260.8 mg/L	100.92	38.69%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-22232.3	-25.38 mg/L	8.115	-50.76 mg/L	16.230	31.97%
V 309.310†	-29545.9	-18.01 mg/L	6.287	-36.01 mg/L	12.574	34.92%
V 310.230†	36827634.1	269.9 mg/L	88.10	539.8 mg/L	176.20	32.64%
Zn 202.548†	-2780.5	-16.75 mg/L	16.700	-33.49 mg/L	33.400	99.72%
Zn 206.200†	10656.6	124.5 mg/L	44.01	248.9 mg/L	88.02	35.36%
Zn 213.857†	-18426.3	-44.41 mg/L	12.362	-88.82 mg/L	24.723	27.83%

Analysis Begun

restart with tubing recommended!

Start Time: 9/12/01 2:49:44 PM
Logged In Analyst: JVMORRIS
Spectrometer Model: Optima 3300 DV

Plasma On Time: 9/12/01 10:02:56 AM
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: D:\JVMORRIS\Sample Information\091201.sif
Results Data Set: 091201
Results Library: D:\JVMORRIS\Results\Results.mdb

Sequence No.: 49
Sample ID: 2001AH07S01 Dup
Analyst:
Sample Wt:
Dilution: 2X

Autosampler Location: 40
Date Collected: 9/12/01 2:49:45 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 2001AH07S01 Dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	130024.5						1987.15	1.53%
Y 360.073	3076760.6						31073.78	1.01%
Ag 328.068†	166.2	0.00099	mg/L	0.000180	0.00198	mg/L	0.000360	18.24%
Ag 338.289†	76.6	0.00083	mg/L	0.000291	0.00166	mg/L	0.000583	35.19%
Al 308.215†	170.3	0.7113	mg/L	0.02801	1.423	mg/L	0.0560	3.94%
Al 394.401†	333.5	0.7140	mg/L	0.01861	1.428	mg/L	0.0372	2.61%
Al 396.153†	1299.4	0.7088	mg/L	0.01988	1.418	mg/L	0.0398	2.80%
As 188.979†	-0.1	-0.02482	mg/L	0.162380	-0.04965	mg/L	0.324760	654.10%
As 193.696†	1.7	0.00271	mg/L	0.003366	0.00542	mg/L	0.006733	124.21%
As 197.197†	-0.2	-0.1173	mg/L	0.36703	-0.2345	mg/L	0.73406	312.99%
B 208.889†	4.7	0.1776	mg/L	0.01938	0.3552	mg/L	0.03876	10.91%
B 249.677†	31.4	0.1413	mg/L	0.01860	0.2827	mg/L	0.03719	13.16%
B 249.772†	68.8	0.1461	mg/L	0.00435	0.2922	mg/L	0.00870	2.98%
Ba 233.527†	76.9	0.1290	mg/L	0.00282	0.2580	mg/L	0.00565	2.19%
Ba 455.403†	7572.3	0.1346	mg/L	0.00053	0.2691	mg/L	0.00106	0.39%
Ba 493.408†	14017.0	0.1336	mg/L	0.00097	0.2672	mg/L	0.00194	0.73%
Be 234.861†	-624.3	-0.00251	mg/L	0.000200	-0.00501	mg/L	0.000401	8.00%
Be 313.042†	0.8	0.00003	mg/L	0.000107	0.00007	mg/L	0.000214	313.74%
Be 313.107†	0.8	0.00003	mg/L	0.000107	0.00007	mg/L	0.000214	313.74%
Ca 315.887†	2909.6	2.724	mg/L	0.0678	5.448	mg/L	0.1355	2.49%
Ca 317.933†	2272.4	2.524	mg/L	0.0553	5.048	mg/L	0.1106	2.19%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	14.8	0.00048	mg/L	0.000039	0.00096	mg/L	0.000077	8.02%
Cd 228.802†	-0.3	-0.00057	mg/L	0.001173	-0.00114	mg/L	0.002346	205.02%
Ce 413.380†	-6.2	-0.00688	mg/L	0.008703	-0.01376	mg/L	0.017406	126.50%
Ce 413.764†	-4.8	-0.00513	mg/L	0.009339	-0.01026	mg/L	0.018678	182.06%
Ce 418.660†	-11.9	-0.00606	mg/L	0.009914	-0.01212	mg/L	0.019829	163.67%
Co 228.616†	17.8	0.00051	mg/L	0.000462	0.00102	mg/L	0.000925	90.40%
Co 230.786†	0.0	0.00027	mg/L	0.006534	0.00053	mg/L	0.013067	>999.9%
Co 238.892†	-0.8	-0.00401	mg/L	0.004429	-0.00802	mg/L	0.008858	110.50%
Cr 205.560†	-0.4	-0.01730	mg/L	0.013514	-0.03459	mg/L	0.027028	78.13%
Cr 267.716†	85.9	0.00393	mg/L	0.000079	0.00786	mg/L	0.000158	2.00%
Cr 283.563†	2.4	0.00265	mg/L	0.002238	0.00531	mg/L	0.004475	84.35%
Cu 224.700†	98.9	1.207	mg/L	0.0147	2.415	mg/L	0.0293	1.21%
Cu 324.752†	4195.4	1.187	mg/L	0.0079	2.374	mg/L	0.0157	0.66%
Cu 327.393†	66543.6	1.203	mg/L	0.0144	2.406	mg/L	0.0288	1.20%
Fe 238.204†	205.8	0.3874	mg/L	0.01251	0.7748	mg/L	0.02502	3.23%
Fe 239.562†	161.6	0.3863	mg/L	0.00567	0.7726	mg/L	0.01135	1.47%
Fe 259.939†	477.6	0.3892	mg/L	0.01099	0.7785	mg/L	0.02198	2.82%
Fe 273.955†	79.6	0.4300	mg/L	0.01134	0.8601	mg/L	0.02268	2.64%
K 766.490†	561.7	1.232	mg/L	0.0287	2.464	mg/L	0.0574	2.33%
Li 610.362†	93.3	0.01804	mg/L	0.012920	0.03609	mg/L	0.025841	71.61%
Li 670.784†	-1.3	-0.00003	mg/L	0.002143	-0.00006	mg/L	0.004285	>999.9%
Mg 279.077†	124.3	0.5947	mg/L	0.01384	1.189	mg/L	0.0277	2.33%
Mg 280.271†	20104.5	0.5982	mg/L	0.00210	1.196	mg/L	0.0042	0.35%
Mg 285.213†	541.6	0.5857	mg/L	0.01488	1.171	mg/L	0.0298	2.54%
Mn 257.610†	464.2	0.09512	mg/L	0.002083	0.1902	mg/L	0.00417	2.19%
Mn 259.372†	725.9	0.09482	mg/L	0.002028	0.1896	mg/L	0.00406	2.14%
Mn 260.568†	357.5	0.09425	mg/L	0.002391	0.1885	mg/L	0.00478	2.54%
Mo 202.031†	0.2	0.00911	mg/L	0.062995	0.01823	mg/L	0.125990	691.14%
Mo 203.845†	-1.1	-0.07490	mg/L	0.074523	-0.1498	mg/L	0.14905	99.50%

Mo 204.597†	3.7	0.00059 mg/L	0.000265	0.00117 mg/L	0.000531	45.26%
Na 588.995†	88461.3	24.57 mg/L	0.053	49.13 mg/L	0.106	0.22%
Na 589.592†	95375.1	24.90 mg/L	0.073	49.79 mg/L	0.147	0.29%
Ni 221.648†	-0.2	-0.00764 mg/L	0.012250	-0.01528 mg/L	0.024501	160.39%
Ni 231.604†	27.7	0.00252 mg/L	0.000315	0.00504 mg/L	0.000630	12.50%
Ni 232.003†	0.4	0.00629 mg/L	0.014668	0.01259 mg/L	0.029336	233.05%
Pb 217.000†	0.5	0.04970 mg/L	0.083212	0.09940 mg/L	0.166423	167.42%
Pb 220.353†	29.1	0.01288 mg/L	0.000944	0.02575 mg/L	0.001887	7.33%
Sb 206.836†	6.0	0.00347 mg/L	0.001624	0.00693 mg/L	0.003248	46.85%
Sb 217.582†	-0.6	-0.1051 mg/L	0.10903	-0.2102 mg/L	0.21805	103.75%
Se 196.026†	14.5	0.01827 mg/L	0.000817	0.03655 mg/L	0.001634	4.47%
Se 203.985†	3.7	0.00796 mg/L	0.004181	0.01592 mg/L	0.008363	52.54%
Sn 189.927†	2.0	0.00185 mg/L	0.000197	0.00369 mg/L	0.000394	10.67%
Sn 235.485†	1.6	0.06333 mg/L	0.078435	0.1267 mg/L	0.15687	123.85%
Sr 407.771†	181.7	0.00176 mg/L	0.000132	0.00352 mg/L	0.000263	7.49%
Sr 421.552†	318.9	0.00206 mg/L	0.000222	0.00411 mg/L	0.000444	10.80%
Sr 460.733†	72.2	0.01044 mg/L	0.012105	0.02088 mg/L	0.024209	115.92%
Ti 334.940†	94.0	0.01065 mg/L	0.000373	0.02129 mg/L	0.000745	3.50%
Ti 336.121†	80.5	0.01070 mg/L	0.000802	0.02139 mg/L	0.001603	7.49%
Ti 337.279†	30.1	0.01061 mg/L	0.000976	0.02122 mg/L	0.001952	9.20%
Tl 190.801†	-1.2	-0.00176 mg/L	0.001327	-0.00352 mg/L	0.002654	75.43%
Tl 276.787†	33.8	0.00962 mg/L	0.011707	0.01924 mg/L	0.023414	121.69%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	4.6	0.00525 mg/L	0.000237	0.01050 mg/L	0.000474	4.52%
V 309.310†	3.3	0.00202 mg/L	0.000505	0.00403 mg/L	0.001009	25.04%
V 310.230†	-251.5	-0.00184 mg/L	0.000248	-0.00369 mg/L	0.000496	13.47%
Zn 202.548†	13.1	0.06482 mg/L	0.004050	0.1296 mg/L	0.00810	6.25%
Zn 206.200†	5.8	0.06822 mg/L	0.005751	0.1364 mg/L	0.01150	8.43%
Zn 213.857†	27.0	0.06456 mg/L	0.003956	0.1291 mg/L	0.00791	6.13%

Sequence No.: 50
Sample ID: wash
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 9/12/01 2:54:10 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	130426.6						192.49	0.15%
Y 360.073	3091456.3						16951.35	0.55%
Ag 328.068†	67.2	0.00040	mg/L	0.000154	0.00040	mg/L	0.000154	38.57%
Ag 338.289†	0.4	0.00000	mg/L	0.000905	0.00000	mg/L	0.000905	>999.9%
Al 308.215†	-22.5	-0.09379	mg/L	0.007380	-0.09379	mg/L	0.007380	7.87%
Al 394.401†	-36.7	-0.07852	mg/L	0.004639	-0.07852	mg/L	0.004639	5.91%
Al 396.153†	-150.1	-0.08208	mg/L	0.006654	-0.08208	mg/L	0.006654	8.11%
As 188.979†	-0.1	-0.04599	mg/L	0.334355	-0.04599	mg/L	0.334355	727.05%
As 193.696†	1.5	0.00239	mg/L	0.001929	0.00239	mg/L	0.001929	80.63%
As 197.197†	-0.0	-0.00028	mg/L	0.044993	-0.00028	mg/L	0.044993	>999.9%
B 208.889†	1.0	0.03784	mg/L	0.030689	0.03784	mg/L	0.030689	81.11%
B 249.677†	-2.5	-0.01104	mg/L	0.004360	-0.01104	mg/L	0.004360	39.51%
B 249.772†	-4.4	-0.00935	mg/L	0.001014	-0.00935	mg/L	0.001014	10.85%
Ba 233.527†	-1.4	-0.00229	mg/L	0.000276	-0.00229	mg/L	0.000276	12.06%
Ba 455.403†	-25.9	-0.00046	mg/L	0.000087	-0.00046	mg/L	0.000087	18.92%
Ba 493.408†	23.6	0.00022	mg/L	0.000486	0.00022	mg/L	0.000486	215.95%
Be 234.861†	32.6	0.00013	mg/L	0.000015	0.00013	mg/L	0.000015	11.66%
Be 313.042†	1.4	0.00006	mg/L	0.000054	0.00006	mg/L	0.000054	88.70%
Be 313.107†	1.4	0.00006	mg/L	0.000054	0.00006	mg/L	0.000054	88.70%
Ca 315.887†	-165.2	-0.1547	mg/L	0.00201	-0.1547	mg/L	0.00201	1.30%
Ca 317.933†	-134.0	-0.1488	mg/L	0.00383	-0.1488	mg/L	0.00383	2.57%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-2.8	-0.00009	mg/L	0.000170	-0.00009	mg/L	0.000170	186.35%
Cd 228.802†	-0.5	-0.00083	mg/L	0.000545	-0.00083	mg/L	0.000545	65.48%
Ce 413.380†	-4.8	-0.00529	mg/L	0.007624	-0.00529	mg/L	0.007624	144.05%
Ce 413.764†	-7.2	-0.00777	mg/L	0.008531	-0.00777	mg/L	0.008531	109.85%
Ce 418.660†	-8.0	-0.00408	mg/L	0.004999	-0.00408	mg/L	0.004999	122.41%
Co 228.616†	-5.1	-0.00015	mg/L	0.000586	-0.00015	mg/L	0.000586	398.86%
Co 230.786†	-0.2	-0.00132	mg/L	0.000966	-0.00132	mg/L	0.000966	[illegible].41%

Co 238.892†	-0.5	-0.00226	mg/L	0.003534	-0.00226	mg/L	0.003534 156.24%
Cr 205.560†	-0.2	-0.01084	mg/L	0.011958	-0.01084	mg/L	0.011958 110.27%
Cr 267.716†	-2.6	-0.00012	mg/L	0.000156	-0.00012	mg/L	0.000156 129.11%
Cr 283.563†	-1.7	-0.00185	mg/L	0.001992	-0.00185	mg/L	0.001992 107.70%
Cu 224.700†	-0.6	-0.00698	mg/L	0.015499	-0.00698	mg/L	0.015499 222.20%
Cu 324.752†	-10.7	-0.00303	mg/L	0.000405	-0.00303	mg/L	0.000405 13.34%
Cu 327.393†	-167.1	-0.00302	mg/L	0.000347	-0.00302	mg/L	0.000347 11.48%
Fe 238.204†	-0.5	-0.00098	mg/L	0.000362	-0.00098	mg/L	0.000362 36.86%
Fe 239.562†	0.2	0.00055	mg/L	0.001091	0.00055	mg/L	0.001091 199.95%
Fe 259.939†	-1.4	-0.00118	mg/L	0.001232	-0.00118	mg/L	0.001232 104.80%
Fe 273.955†	-0.0	-0.00017	mg/L	0.003544	-0.00017	mg/L	0.003544 >999.9%
K 766.490†	-117.1	-0.2568	mg/L	0.03021	-0.2568	mg/L	0.03021 11.76%
Li 610.362†	9.1	0.00177	mg/L	0.005886	0.00177	mg/L	0.005886 333.00%
Li 670.784†	-250.2	-0.00620	mg/L	0.001058	-0.00620	mg/L	0.001058 17.07%
Mg 279.077†	-4.5	-0.02166	mg/L	0.011692	-0.02166	mg/L	0.011692 53.98%
Mg 280.271†	-651.9	-0.01940	mg/L	0.000175	-0.01940	mg/L	0.000175 0.90%
Mg 285.213†	-17.6	-0.01901	mg/L	0.001251	-0.01901	mg/L	0.001251 6.58%
Mn 257.610†	-3.8	-0.00079	mg/L	0.000247	-0.00079	mg/L	0.000247 31.40%
Mn 259.372†	-4.6	-0.00060	mg/L	0.000443	-0.00060	mg/L	0.000443 73.95%
Mn 260.568†	-2.3	-0.00061	mg/L	0.000113	-0.00061	mg/L	0.000113 18.46%
Mo 202.031†	0.0	0.00002	mg/L	0.045410	0.00002	mg/L	0.045410 >999.9%
Mo 203.845†	0.3	0.01648	mg/L	0.062702	0.01648	mg/L	0.062702 380.44%
Mo 204.597†	0.5	0.00008	mg/L	0.000534	0.00008	mg/L	0.000534 664.70%
Na 588.995†	-1371.7	-0.3809	mg/L	0.01001	-0.3809	mg/L	0.01001 2.63%
Na 589.592†	-1519.6	-0.3967	mg/L	0.01971	-0.3967	mg/L	0.01971 4.97%
Ni 221.648†	0.3	0.01061	mg/L	0.016385	0.01061	mg/L	0.016385 154.47%
Ni 231.604†	-0.7	-0.00006	mg/L	0.000370	-0.00006	mg/L	0.000370 613.41%
Ni 232.003†	-1.3	-0.02008	mg/L	0.004823	-0.02008	mg/L	0.004823 24.02%
Pb 217.000†	0.2	0.01711	mg/L	0.075950	0.01711	mg/L	0.075950 443.77%
Pb 220.353†	-4.4	-0.00195	mg/L	0.002213	-0.00195	mg/L	0.002213 113.47%
Sb 206.836†	-0.3	-0.00018	mg/L	0.000371	-0.00018	mg/L	0.000371 205.94%
Sb 217.582†	-0.4	-0.06798	mg/L	0.072968	-0.06798	mg/L	0.072968 107.34%
Se 196.026†	0.6	0.00081	mg/L	0.002574	0.00081	mg/L	0.002574 316.58%
Se 203.985†	0.4	0.00097	mg/L	0.001311	0.00097	mg/L	0.001311 135.38%
Sn 189.927†	0.1	0.00006	mg/L	0.001473	0.00006	mg/L	0.001473 >999.9%
Sn 235.485†	0.3	0.01051	mg/L	0.059038	0.01051	mg/L	0.059038 561.87%
Sr 407.771†	-331.2	-0.00320	mg/L	0.000065	-0.00320	mg/L	0.000065 2.02%
Sr 421.552†	-457.6	-0.00295	mg/L	0.000077	-0.00295	mg/L	0.000077 2.60%
Sr 460.733†	-13.6	-0.00196	mg/L	0.016551	-0.00196	mg/L	0.016551 844.47%
Ti 334.940†	0.4	0.00004	mg/L	0.000217	0.00004	mg/L	0.000217 504.74%
Ti 336.121†	-0.2	-0.00003	mg/L	0.000405	-0.00003	mg/L	0.000405 >999.9%
Ti 337.279†	1.0	0.00035	mg/L	0.000685	0.00035	mg/L	0.000685 194.78%
Tl 190.801†	0.6	0.00083	mg/L	0.001539	0.00083	mg/L	0.001539 185.06%
Tl 276.787†	0.9	0.00026	mg/L	0.003832	0.00026	mg/L	0.003832 >999.9%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000 0.00%
V 290.880†	2.4	0.00277	mg/L	0.002279	0.00277	mg/L	0.002279 82.37%
V 309.310†	-1.8	-0.00111	mg/L	0.000516	-0.00111	mg/L	0.000516 46.39%
V 310.230†	-753.3	-0.00552	mg/L	0.000340	-0.00552	mg/L	0.000340 6.15%
Zn 202.548†	-2.0	-0.01141	mg/L	0.003379	-0.01141	mg/L	0.003379 29.62%
Zn 206.200†	0.1	0.00081	mg/L	0.001433	0.00081	mg/L	0.001433 177.64%
Zn 213.857†	-0.8	-0.00184	mg/L	0.003160	-0.00184	mg/L	0.003160 171.66%

Sequence No.: 51
Sample ID: BLANK
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 9/12/01 2:58:41 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	131767.4						1835.52	1.39%
Y 360.073	3111192.9						18694.94	0.60%
Ag 328.068†	13.5	0.00008	mg/L	0.000319	0.00008	mg/L	0.000319	397.21%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Ag 338.289†	29.5	0.00032	mg/L	0.000490	0.00032	mg/L	0.000490	153.55%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215†	-6.9	-0.02877	mg/L	0.005918	-0.02877	mg/L	0.005918	20.57%

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   QC value within limits for Al 308.215  Recovery = Not calculated
Al 394.401†              -9.1    -0.01948 mg/L      0.005008    -0.01948 mg/L      0.005008  25.70%
   QC value within limits for Al 394.401  Recovery = Not calculated
Al 396.153†             -43.4    -0.02292 mg/L      0.004268    -0.02292 mg/L      0.004268  18.62%
   QC value within limits for Al 396.153  Recovery = Not calculated
As 188.979†               0.5     0.1880 mg/L       0.38034      0.1880 mg/L       0.38034 202.35%
   QC value within limits for As 188.979  Recovery = Not calculated
As 193.696†               1.3    0.00205 mg/L      0.000966     0.00205 mg/L      0.000966  47.02%
   QC value within limits for As 193.696  Recovery = Not calculated
As 197.197†               0.3     0.1456 mg/L       0.24665      0.1456 mg/L       0.24665 169.46%
   QC value within limits for As 197.197  Recovery = Not calculated
B 208.889†                1.5    0.05668 mg/L      0.052260     0.05668 mg/L      0.052260  92.20%
   QC value within limits for B 208.889  Recovery = Not calculated
B 249.677†               -2.2    -0.01003 mg/L      0.014429    -0.01003 mg/L      0.014429 143.82%
   QC value within limits for B 249.677  Recovery = Not calculated
B 249.772†                1.8    0.00383 mg/L      0.001956     0.00383 mg/L      0.001956  51.09%
   QC value within limits for B 249.772  Recovery = Not calculated
Ba 233.527†              -1.0    -0.00174 mg/L      0.000047    -0.00174 mg/L      0.000047   2.73%
   QC value within limits for Ba 233.527  Recovery = Not calculated
Ba 455.403†              -8.8    -0.00016 mg/L      0.000036    -0.00016 mg/L      0.000036  23.07%
   QC value within limits for Ba 455.403  Recovery = Not calculated
Ba 493.408†              -6.9    -0.00007 mg/L      0.000153    -0.00007 mg/L      0.000153 234.32%
   QC value within limits for Ba 493.408  Recovery = Not calculated
Be 234.861†              29.3     0.00012 mg/L      0.000071     0.00012 mg/L      0.000071  60.41%
   QC value within limits for Be 234.861  Recovery = Not calculated
Be 313.042†               0.1     0.00000 mg/L      0.000088     0.00000 mg/L      0.000088 >999.9%
   QC value within limits for Be 313.042  Recovery = Not calculated
Be 313.107†               0.1     0.00000 mg/L      0.000088     0.00000 mg/L      0.000088 >999.9%
   QC value within limits for Be 313.107  Recovery = Not calculated
Ca 315.887†             -39.1    -0.03656 mg/L      0.009395    -0.03656 mg/L      0.009395  25.70%
   QC value within limits for Ca 315.887  Recovery = Not calculated
Ca 317.933†             -37.1    -0.04116 mg/L      0.007109    -0.04116 mg/L      0.007109  17.27%
   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†              -2.9    -0.00009 mg/L      0.000072    -0.00009 mg/L      0.000072  76.30%
   QC value within limits for Cd 226.502  Recovery = Not calculated
Cd 228.802†              -0.3    -0.00060 mg/L      0.000362    -0.00060 mg/L      0.000362  60.24%
   QC value within limits for Cd 228.802  Recovery = Not calculated
Ce 413.380†              -6.7    -0.00738 mg/L      0.010022    -0.00738 mg/L      0.010022 135.74%
   QC value within limits for Ce 413.380  Recovery = Not calculated
Ce 413.764†              -7.3    -0.00785 mg/L      0.005075    -0.00785 mg/L      0.005075  64.66%
   QC value within limits for Ce 413.764  Recovery = Not calculated
Ce 418.660†             -13.5    -0.00686 mg/L      0.007577    -0.00686 mg/L      0.007577 110.47%
   QC value within limits for Ce 418.660  Recovery = Not calculated
Co 228.616†             -15.6    -0.00045 mg/L      0.000432    -0.00045 mg/L      0.000432  95.95%
   QC value within limits for Co 228.616  Recovery = Not calculated
Co 230.786†               0.1     0.00034 mg/L      0.003153     0.00034 mg/L      0.003153 925.37%
   QC value within limits for Co 230.786  Recovery = Not calculated
Co 238.892†              -0.4    -0.00206 mg/L      0.003086    -0.00206 mg/L      0.003086 149.82%
   QC value within limits for Co 238.892  Recovery = Not calculated
Cr 205.560†              -0.5    -0.02176 mg/L      0.027926    -0.02176 mg/L      0.027926 128.35%
   QC value within limits for Cr 205.560  Recovery = Not calculated
Cr 267.716†              -3.2    -0.00014 mg/L      0.000101    -0.00014 mg/L      0.000101  69.54%
   QC value within limits for Cr 267.716  Recovery = Not calculated
Cr 283.563†              -4.5    -0.00500 mg/L      0.000755    -0.00500 mg/L      0.000755  15.11%
   QC value within limits for Cr 283.563  Recovery = Not calculated
Cu 224.700†              -0.4    -0.00469 mg/L      0.005052    -0.00469 mg/L      0.005052 107.79%
   QC value within limits for Cu 224.700  Recovery = Not calculated
Cu 324.752†             -10.6    -0.00300 mg/L      0.000273    -0.00300 mg/L      0.000273   9.08%
   QC value within limits for Cu 324.752  Recovery = Not calculated
Cu 327.393†             -82.8    -0.00150 mg/L      0.000161    -0.00150 mg/L      0.000161  10.76%
   QC value within limits for Cu 327.393  Recovery = Not calculated
Fe 238.204†              -3.2    -0.00601 mg/L      0.002013    -0.00601 mg/L      0.002013  33.51%
   QC value within limits for Fe 238.204  Recovery = Not calculated
Fe 239.562†              -0.9    -0.00215 mg/L      0.000307    -0.00215 mg/L      0.000307  14.25%
   QC value within limits for Fe 239.562  Recovery = Not calculated
Fe 259.939†              -5.1    -0.00419 mg/L      0.000387    -0.00419 mg/L      0.000387   9.25%
   QC value within limits for Fe 259.939  Recovery = Not calculated
Fe 273.955†              -0.5    -0.00265 mg/L      0.003102    -0.00265 mg/L      0.003102 116.90%
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QC value within limits for Fe 273.955 Recovery = Not calculated

K 766.490†	-55.9	-0.1225 mg/L	0.08410	-0.1225 mg/L	0.08410	68.65%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 610.362†	108.7	0.02100 mg/L	0.011579	0.02100 mg/L	0.011579	55.13%
QC value within limits for Li 610.362 Recovery = Not calculated						
Li 670.784†	-41.1	-0.00102 mg/L	0.002071	-0.00102 mg/L	0.002071	203.45%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	-6.2	-0.02977 mg/L	0.013289	-0.02977 mg/L	0.013289	44.63%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mg 280.271†	-344.5	-0.01025 mg/L	0.000402	-0.01025 mg/L	0.000402	3.92%
QC value within limits for Mg 280.271 Recovery = Not calculated						
Mg 285.213†	-10.4	-0.01125 mg/L	0.002406	-0.01125 mg/L	0.002406	21.39%
QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	-3.4	-0.00069 mg/L	0.000274	-0.00069 mg/L	0.000274	39.61%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mn 259.372†	-2.7	-0.00020 mg/L	0.000537	-0.00020 mg/L	0.000537	264.46%
QC value within limits for Mn 259.372 Recovery = Not calculated						
Mn 260.568†	-2.8	-0.00073 mg/L	0.000451	-0.00073 mg/L	0.000451	61.57%
QC value within limits for Mn 260.568 Recovery = Not calculated						
Mo 202.031†	-0.8	-0.02986 mg/L	0.068575	-0.02986 mg/L	0.068575	229.64%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Mo 203.845†	-1.7	-0.1086 mg/L	0.08272	-0.1086 mg/L	0.08272	76.19%
QC value within limits for Mo 203.845 Recovery = Not calculated						
Mo 204.597†	0.4	0.00007 mg/L	0.000513	0.00007 mg/L	0.000513	722.04%
QC value within limits for Mo 204.597 Recovery = Not calculated						
Na 588.995†	-1249.0	-0.3469 mg/L	0.00362	-0.3469 mg/L	0.00362	1.04%
QC value within limits for Na 588.995 Recovery = Not calculated						
Na 589.592†	-1441.2	-0.3762 mg/L	0.01290	-0.3762 mg/L	0.01290	3.43%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 221.648†	0.2	0.00780 mg/L	0.015859	0.00780 mg/L	0.015859	203.38%
QC value within limits for Ni 221.648 Recovery = Not calculated						
Ni 231.604†	0.9	0.00008 mg/L	0.000669	0.00008 mg/L	0.000669	797.07%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Ni 232.003†	0.0	0.00067 mg/L	0.024276	0.00067 mg/L	0.024276	>999.9%
QC value within limits for Ni 232.003 Recovery = Not calculated						
Pb 217.000†	0.7	0.06645 mg/L	0.028430	0.06645 mg/L	0.028430	42.78%
QC value within limits for Pb 217.000 Recovery = Not calculated						
Pb 220.353†	-3.7	-0.00162 mg/L	0.002692	-0.00162 mg/L	0.002692	165.94%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	0.1	0.00007 mg/L	0.002315	0.00007 mg/L	0.002315	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Sb 217.582†	-0.4	-0.07814 mg/L	0.075782	-0.07814 mg/L	0.075782	96.98%
QC value within limits for Sb 217.582 Recovery = Not calculated						
Se 196.026†	0.2	0.00031 mg/L	0.002637	0.00031 mg/L	0.002637	842.68%
QC value within limits for Se 196.026 Recovery = Not calculated						
Se 203.985†	1.7	0.00368 mg/L	0.001556	0.00368 mg/L	0.001556	42.29%
QC value within limits for Se 203.985 Recovery = Not calculated						
Sn 189.927†	-0.4	-0.00035 mg/L	0.001039	-0.00035 mg/L	0.001039	299.54%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sn 235.485†	0.2	0.00954 mg/L	0.028753	0.00954 mg/L	0.028753	301.45%
QC value within limits for Sn 235.485 Recovery = Not calculated						
Sr 407.771†	-89.4	-0.00086 mg/L	0.000029	-0.00086 mg/L	0.000029	3.34%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Sr 421.552†	-89.4	-0.00058 mg/L	0.000152	-0.00058 mg/L	0.000152	26.40%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Sr 460.733†	22.9	0.00331 mg/L	0.008848	0.00331 mg/L	0.008848	267.35%
QC value within limits for Sr 460.733 Recovery = Not calculated						
Ti 334.940†	-1.4	-0.00016 mg/L	0.000355	-0.00016 mg/L	0.000355	217.00%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ti 336.121†	1.6	0.00021 mg/L	0.000524	0.00021 mg/L	0.000524	248.18%
QC value within limits for Ti 336.121 Recovery = Not calculated						
Ti 337.279†	-1.9	-0.00068 mg/L	0.000706	-0.00068 mg/L	0.000706	104.50%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	0.4	0.00062 mg/L	0.001790	0.00062 mg/L	0.001790	290.28%
QC value within limits for Tl 190.801 Recovery = Not calculated						
Tl 276.787†	4.2	0.00120 mg/L	0.001518	0.00120 mg/L	0.001518	126.15%
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†	2.9	0.00334 mg/L	0.000555	0.00334 mg/L	0.000555	16.63%

QC value within limits for V 290.880 Recovery = Not calculated

V 309.310†	-1.4	-0.00087 mg/L	0.000723	-0.00087 mg/L	0.000723	82.80%

QC value within limits for V 309.310 Recovery = Not calculated

V 310.230†	-496.3	-0.00364 mg/L	0.000379	-0.00364 mg/L	0.000379	10.43%

QC value within limits for V 310.230 Recovery = Not calculated

Zn 202.548†	-1.8	-0.01031 mg/L	0.008480	-0.01031 mg/L	0.008480	82.22%

QC value within limits for Zn 202.548 Recovery = Not calculated

Zn 206.200†	-0.1	-0.00172 mg/L	0.000733	-0.00172 mg/L	0.000733	42.68%

QC value within limits for Zn 206.200 Recovery = Not calculated

Zn 213.857†	-1.3	-0.00316 mg/L	0.000781	-0.00316 mg/L	0.000781	24.75%

QC value within limits for Zn 213.857 Recovery = Not calculated

All analytes passed QC.

Sequence No.: 52
Sample ID: LCM1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 9/12/01 3:03:07 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	130932.3						1638.63	1.25%
Y 360.073	3147265.6						15066.79	0.48%
Ag 328.068†	29615.7	0.1760	mg/L	0.00213	0.1760	mg/L	0.00213	1.21%
Ag 338.289†	16372.8	0.1771	mg/L	0.00173	0.1771	mg/L	0.00173	0.97%
Al 308.215†	216.5	0.9041	mg/L	0.01560	0.9041	mg/L	0.01560	1.73%

QC value within limits for Al 308.215 Recovery = 90.41%

Al 394.401†	423.1	0.9059	mg/L	0.01356	0.9059	mg/L	0.01356	1.50%

QC value within limits for Al 394.401 Recovery = 90.59%

Al 396.153†	1710.4	0.9322	mg/L	0.01221	0.9322	mg/L	0.01221	1.31%

QC value within limits for Al 396.153 Recovery = 93.22%

As 188.979†	5.1	1.990	mg/L	0.6251	1.990	mg/L	0.6251	31.41%

QC value within limits for As 188.979 Recovery = 99.50%

As 193.696†	1313.0	2.063	mg/L	0.0208	2.063	mg/L	0.0208	1.01%

QC value within limits for As 193.696 Recovery = 103.13%

As 197.197†	4.1	1.995	mg/L	0.2808	1.995	mg/L	0.2808	14.07%

QC value within limits for As 197.197 Recovery = 99.76%

B 208.889†	24.2	0.9225	mg/L	0.04153	0.9225	mg/L	0.04153	4.50%

QC value within limits for B 208.889 Recovery = 92.25%

B 249.677†	210.3	0.9473	mg/L	0.00370	0.9473	mg/L	0.00370	0.39%

QC value within limits for B 249.677 Recovery = 94.73%

B 249.772†	441.7	0.9378	mg/L	0.00571	0.9378	mg/L	0.00571	0.61%

QC value within limits for B 249.772 Recovery = 93.78%

Ba 233.527†	595.7	0.9988	mg/L	0.01039	0.9988	mg/L	0.01039	1.04%

QC value within limits for Ba 233.527 Recovery = 99.88%

Ba 455.403†	57923.3	1.029	mg/L	0.0022	1.029	mg/L	0.0022	0.21%

QC value within limits for Ba 455.403 Recovery = 102.93%

Ba 493.408†	106750.2	1.017	mg/L	0.0017	1.017	mg/L	0.0017	0.17%

QC value within limits for Ba 493.408 Recovery = 101.75%

Be 234.861†	281356.6	1.130	mg/L	0.0062	1.130	mg/L	0.0062	0.54%

QC value greater than the upper limit for Be 234.861 Recovery = 112.96%

Be 313.042†	22983.9	1.016	mg/L	0.0021	1.016	mg/L	0.0021	0.21%

QC value within limits for Be 313.042 Recovery = 101.62%

Be 313.107†	22983.9	1.016	mg/L	0.0021	1.016	mg/L	0.0021	0.21%

QC value within limits for Be 313.107 Recovery = 101.62%

Ca 315.887†	1042.2	0.9757	mg/L	0.01105	0.9757	mg/L	0.01105	1.13%

QC value within limits for Ca 315.887 Recovery = 97.57%

Ca 317.933†	796.8	0.8850	mg/L	0.01454	0.8850	mg/L	0.01454	1.64%

QC value less than the lower limit for Ca 317.933 Recovery = 88.50%

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†	30752.1	0.9985	mg/L	0.00530	0.9985	mg/L	0.00530	0.53%

QC value within limits for Cd 226.502 Recovery = 99.85%

Cd 228.802†	541.3	0.9737	mg/L	0.00518	0.9737	mg/L	0.00518	0.53%

QC value within limits for Cd 228.802 Recovery = 97.37%

Ce 413.380†	913.4	1.010	mg/L	0.0903	1.010	mg/L	0.0903	8.94%

QC value within limits for Ce 413.380 Recovery = 100.96%

Ce 413.764†	928.0	0.9968 mg/L	0.00851	0.9968 mg/L	0.00851	0.85%
QC value within limits for Ce 413.764 Recovery = 99.68%						
Ce 418.660†	2007.2	1.023 mg/L	0.0241	1.023 mg/L	0.0241	2.36%
QC value within limits for Ce 418.660 Recovery = 102.28%						
Co 228.616†	34241.9	0.9868 mg/L	0.00227	0.9868 mg/L	0.00227	0.23%
QC value within limits for Co 228.616 Recovery = 98.68%						
Co 230.786†	155.3	1.009 mg/L	0.0108	1.009 mg/L	0.0108	1.07%
QC value within limits for Co 230.786 Recovery = 100.87%						
Co 238.892†	206.7	0.9952 mg/L	0.00454	0.9952 mg/L	0.00454	0.46%
QC value within limits for Co 238.892 Recovery = 99.52%						
Cr 205.560†	22.0	1.012 mg/L	0.0272	1.012 mg/L	0.0272	2.69%
QC value within limits for Cr 205.560 Recovery = 101.18%						
Cr 267.716†	21578.3	0.9874 mg/L	0.00549	0.9874 mg/L	0.00549	0.56%
QC value within limits for Cr 267.716 Recovery = 98.74%						
Cr 283.563†	928.8	1.040 mg/L	0.0072	1.040 mg/L	0.0072	0.69%
QC value within limits for Cr 283.563 Recovery = 103.95%						
Cu 224.700†	82.4	1.006 mg/L	0.0216	1.006 mg/L	0.0216	2.15%
QC value within limits for Cu 224.700 Recovery = 100.63%						
Cu 324.752†	3444.3	0.9745 mg/L	0.00333	0.9745 mg/L	0.00333	0.34%
QC value within limits for Cu 324.752 Recovery = 97.45%						
Cu 327.393†	53368.7	0.9648 mg/L	0.00389	0.9648 mg/L	0.00389	0.40%
QC value within limits for Cu 327.393 Recovery = 96.48%						
Fe 238.204†	532.0	1.002 mg/L	0.0161	1.002 mg/L	0.0161	1.61%
QC value within limits for Fe 238.204 Recovery = 100.17%						
Fe 239.562†	417.7	0.9986 mg/L	0.01867	0.9986 mg/L	0.01867	1.87%
QC value within limits for Fe 239.562 Recovery = 99.86%						
Fe 259.939†	1233.0	1.005 mg/L	0.0096	1.005 mg/L	0.0096	0.96%
QC value within limits for Fe 259.939 Recovery = 100.49%						
Fe 273.955†	208.1	1.124 mg/L	0.0134	1.124 mg/L	0.0134	1.19%
QC value greater than the upper limit for Fe 273.955 Recovery = 112.40%						
K 766.490†	2319.2	5.087 mg/L	0.0585	5.087 mg/L	0.0585	1.15%
QC value within limits for K 766.490 Recovery = 101.74%						
Li 610.362†	5369.5	1.038 mg/L	0.0134	1.038 mg/L	0.0134	1.29%
QC value within limits for Li 610.362 Recovery = 103.79%						
Li 670.784†	40530.2	1.004 mg/L	0.0053	1.004 mg/L	0.0053	0.53%
QC value within limits for Li 670.784 Recovery = 100.39%						
Mg 279.077†	213.9	1.024 mg/L	0.0229	1.024 mg/L	0.0229	2.24%
QC value within limits for Mg 279.077 Recovery = 102.37%						
Mg 280.271†	34258.7	1.019 mg/L	0.0038	1.019 mg/L	0.0038	0.37%
QC value within limits for Mg 280.271 Recovery = 101.93%						
Mg 285.213†	922.1	0.9972 mg/L	0.01167	0.9972 mg/L	0.01167	1.17%
QC value within limits for Mg 285.213 Recovery = 99.72%						
Mn 257.610†	4947.3	1.014 mg/L	0.0025	1.014 mg/L	0.0025	0.24%
QC value within limits for Mn 257.610 Recovery = 101.39%						
Mn 259.372†	7688.9	1.005 mg/L	0.0087	1.005 mg/L	0.0087	0.86%
QC value within limits for Mn 259.372 Recovery = 100.46%						
Mn 260.568†	3815.3	1.006 mg/L	0.0042	1.006 mg/L	0.0042	0.41%
QC value within limits for Mn 260.568 Recovery = 100.60%						
Mo 202.031†	20.6	0.8173 mg/L	0.04217	0.8173 mg/L	0.04217	5.16%
QC value less than the lower limit for Mo 202.031 Recovery = 81.73%						
Mo 203.845†	14.3	0.9404 mg/L	0.14447	0.9404 mg/L	0.14447	15.36%
QC value within limits for Mo 203.845 Recovery = 94.04%						
Mo 204.597†	5561.2	0.8923 mg/L	0.00862	0.8923 mg/L	0.00862	0.97%
QC value less than the lower limit for Mo 204.597 Recovery = 89.23%						
Na 588.995†	2378.9	0.6606 mg/L	0.00647	0.6606 mg/L	0.00647	0.98%
Na 589.592†	2521.5	0.6582 mg/L	0.00495	0.6582 mg/L	0.00495	0.75%
Ni 221.648†	27.8	0.9613 mg/L	0.02474	0.9613 mg/L	0.02474	2.57%
QC value within limits for Ni 221.648 Recovery = 96.13%						
Ni 231.604†	11201.1	1.018 mg/L	0.0092	1.018 mg/L	0.0092	0.91%
QC value within limits for Ni 231.604 Recovery = 101.81%						
Ni 232.003†	63.7	1.020 mg/L	0.0151	1.020 mg/L	0.0151	1.48%
QC value within limits for Ni 232.003 Recovery = 102.00%						
Pb 217.000†	18.9	1.904 mg/L	0.3002	1.904 mg/L	0.3002	15.76%
QC value within limits for Pb 217.000 Recovery = 95.22%						
Pb 220.353†	4458.7	1.973 mg/L	0.0230	1.973 mg/L	0.0230	1.16%
QC value within limits for Pb 220.353 Recovery = 98.67%						
Sb 206.836†	3277.2	1.878 mg/L	0.0107	1.878 mg/L	0.0107	0.57%
QC value within limits for Sb 206.836 Recovery = 93.92%						
Sb 217.582†	10.1	1.796 mg/L	0.0540	1.796 mg/L	0.0540	3.01%
QC value less than the lower limit for Sb 217.582 Recovery = 89.78%						

Se 196.026†	867.3	1.093 mg/L	0.0025	1.093 mg/L	0.0025	0.23%
QC value within limits for Se 196.026 Recovery = 109.25%						
Se 203.985†	516.2	1.117 mg/L	0.0067	1.117 mg/L	0.0067	0.60%
QC value greater than the upper limit for Se 203.985 Recovery = 111.67%						
Sn 189.927†	4845.6	4.492 mg/L	0.0347	4.492 mg/L	0.0347	0.77%
QC value less than the lower limit for Sn 189.927 Recovery = 89.83%						
Sn 235.485†	107.4	4.343 mg/L	0.1188	4.343 mg/L	0.1188	2.73%
QC value less than the lower limit for Sn 235.485 Recovery = 86.86%						
Sr 407.771†	100631.4	0.9732 mg/L	0.00342	0.9732 mg/L	0.00342	0.35%
QC value within limits for Sr 407.771 Recovery = 97.32%						
Sr 421.552†	159721.0	1.029 mg/L	0.0017	1.029 mg/L	0.0017	0.17%
QC value within limits for Sr 421.552 Recovery = 102.93%						
Sr 460.733†	6785.3	0.9811 mg/L	0.01147	0.9811 mg/L	0.01147	1.17%
QC value within limits for Sr 460.733 Recovery = 98.11%						
Ti 334.940†	8005.8	0.9064 mg/L	0.00254	0.9064 mg/L	0.00254	0.28%
QC value within limits for Ti 334.940 Recovery = 90.64%						
Ti 336.121†	6843.0	0.9093 mg/L	0.00289	0.9093 mg/L	0.00289	0.32%
QC value within limits for Ti 336.121 Recovery = 90.93%						
Ti 337.279†	2575.9	0.9090 mg/L	0.00419	0.9090 mg/L	0.00419	0.46%
QC value within limits for Ti 337.279 Recovery = 90.90%						
Tl 190.801†	3384.9	5.028 mg/L	0.0298	5.028 mg/L	0.0298	0.59%
QC value within limits for Tl 190.801 Recovery = 100.57%						
Tl 276.787†	16481.2	4.690 mg/L	0.0278	4.690 mg/L	0.0278	0.59%
QC value within limits for Tl 276.787 Recovery = 93.80%						
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†	879.7	1.004 mg/L	0.0151	1.004 mg/L	0.0151	1.51%
QC value within limits for V 290.880 Recovery = 100.43%						
V 309.310†	1674.4	1.020 mg/L	0.0148	1.020 mg/L	0.0148	1.45%
QC value within limits for V 309.310 Recovery = 102.04%						
V 310.230†	133563.7	0.9788 mg/L	0.00319	0.9788 mg/L	0.00319	0.33%
QC value within limits for V 310.230 Recovery = 97.88%						
Zn 202.548†	170.8	0.9571 mg/L	0.01305	0.9571 mg/L	0.01305	1.36%
QC value within limits for Zn 202.548 Recovery = 95.71%						
Zn 206.200†	83.5	0.9755 mg/L	0.02471	0.9755 mg/L	0.02471	2.53%
QC value within limits for Zn 206.200 Recovery = 97.55%						
Zn 213.857†	401.0	0.9619 mg/L	0.01729	0.9619 mg/L	0.01729	1.80%
QC value within limits for Zn 213.857 Recovery = 96.19%						

QC Failed. Continue with analysis.

Sequence No.: 53 **Autosampler Location: 3**
Sample ID: LCM2 **Date Collected: 9/12/01 3:07:38 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: LCM2

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	128868.3						2223.41	1.73%
Y 360.073	3108892.3						27714.17	0.89%
Ag 328.068†	8445.3	0.05019	mg/L	0.000587	0.05019	mg/L	0.000587	1.17%
QC value within limits for Ag 328.068 Recovery = 100.38%								
Ag 338.289†	4675.3	0.05058	mg/L	0.000444	0.05058	mg/L	0.000444	0.88%
QC value within limits for Ag 338.289 Recovery = 101.16%								
Al 308.215†	-19.9	-0.08324	mg/L	0.012976	-0.08324	mg/L	0.012976	15.59%
Al 394.401†	-34.0	-0.07270	mg/L	0.011279	-0.07270	mg/L	0.011279	15.51%
Al 396.153†	-135.9	-0.07468	mg/L	0.002277	-0.07468	mg/L	0.002277	3.05%
As 188.979†	-0.1	-0.01962	mg/L	0.059555	-0.01962	mg/L	0.059555	303.49%
As 193.696†	-0.5	-0.00083	mg/L	0.001250	-0.00083	mg/L	0.001250	150.54%
As 197.197†	-0.0	-0.00016	mg/L	0.333762	-0.00016	mg/L	0.333762	>999.9%
B 208.889†	2.6	0.09997	mg/L	0.034040	0.09997	mg/L	0.034040	34.05%
B 249.677†	2.5	0.01126	mg/L	0.009840	0.01126	mg/L	0.009840	87.42%
B 249.772†	4.2	0.00897	mg/L	0.002019	0.00897	mg/L	0.002019	22.50%
Ba 233.527†	-0.4	-0.00073	mg/L	0.000366	-0.00073	mg/L	0.000366	49.77%
Ba 455.403†	1.4	0.00003	mg/L	0.000083	0.00003	mg/L	0.000083	324.90%
Ba 493.408†	46.5	0.00044	mg/L	0.000782	0.00044	mg/L	0.000782	176.47%
Be 234.861†	53.1	0.00021	mg/L	0.000078	0.00021	mg/L	0.000078	36.67%

Be 313.042†	5.2	0.00023 mg/L	0.000125	0.00023 mg/L	0.000125	54.71%
Be 313.107†	5.2	0.00023 mg/L	0.000125	0.00023 mg/L	0.000125	54.71%
Ca 315.887†	-129.5	-0.1212 mg/L	0.00402	-0.1212 mg/L	0.00402	3.32%
Ca 317.933†	-104.5	-0.1160 mg/L	0.00765	-0.1160 mg/L	0.00765	6.60%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	3.8	0.00012 mg/L	0.000035	0.00012 mg/L	0.000035	28.03%
Cd 228.802†	0.3	0.00047 mg/L	0.001494	0.00047 mg/L	0.001494	317.07%
Ce 413.380†	-0.9	-0.00105 mg/L	0.011308	-0.00105 mg/L	0.011308	>999.9%
Ce 413.764†	-5.2	-0.00557 mg/L	0.016761	-0.00557 mg/L	0.016761	300.70%
Ce 418.660†	-7.7	-0.00393 mg/L	0.002795	-0.00393 mg/L	0.002795	71.15%
Co 228.616†	-14.3	-0.00041 mg/L	0.000184	-0.00041 mg/L	0.000184	44.82%
Co 230.786†	0.8	0.00491 mg/L	0.001856	0.00491 mg/L	0.001856	37.76%
Co 238.892†	-0.2	-0.00110 mg/L	0.002701	-0.00110 mg/L	0.002701	245.47%
Cr 205.560†	-0.2	-0.01119 mg/L	0.016461	-0.01119 mg/L	0.016461	147.13%
Cr 267.716†	4.4	0.00020 mg/L	0.000174	0.00020 mg/L	0.000174	86.87%
Cr 283.563†	-0.9	-0.00105 mg/L	0.001895	-0.00105 mg/L	0.001895	180.17%
Cu 224.700†	-0.6	-0.00678 mg/L	0.002782	-0.00678 mg/L	0.002782	41.05%
Cu 324.752†	-0.8	-0.00021 mg/L	0.000406	-0.00021 mg/L	0.000406	190.24%
Cu 327.393†	3.1	0.00006 mg/L	0.000185	0.00006 mg/L	0.000185	325.57%
Fe 238.204†	-1.7	-0.00318 mg/L	0.001790	-0.00318 mg/L	0.001790	56.31%
Fe 239.562†	-0.2	-0.00036 mg/L	0.002437	-0.00036 mg/L	0.002437	668.07%
Fe 259.939†	-1.5	-0.00123 mg/L	0.000699	-0.00123 mg/L	0.000699	56.95%
Fe 273.955†	-0.1	-0.00044 mg/L	0.006443	-0.00044 mg/L	0.006443	>999.9%
K 766.490†	-31.3	-0.06857 mg/L	0.059514	-0.06857 mg/L	0.059514	86.80%
Li 610.362†	91.8	0.01774 mg/L	0.012066	0.01774 mg/L	0.012066	68.01%
Li 670.784†	166.2	0.00412 mg/L	0.000417	0.00412 mg/L	0.000417	10.14%
Mg 279.077†	-4.5	-0.02175 mg/L	0.022002	-0.02175 mg/L	0.022002	101.15%
Mg 280.271†	-562.3	-0.01673 mg/L	0.000592	-0.01673 mg/L	0.000592	3.54%
Mg 285.213†	-15.0	-0.01626 mg/L	0.000840	-0.01626 mg/L	0.000840	5.17%
Mn 257.610†	-1.3	-0.00027 mg/L	0.000150	-0.00027 mg/L	0.000150	55.54%
Mn 259.372†	-1.7	-0.00028 mg/L	0.000355	-0.00028 mg/L	0.000355	124.98%
Mn 260.568†	-1.3	-0.00033 mg/L	0.000452	-0.00033 mg/L	0.000452	137.17%
Mo 202.031†	0.3	0.01223 mg/L	0.042249	0.01223 mg/L	0.042249	345.48%
Mo 203.845†	-0.2	-0.01216 mg/L	0.052978	-0.01216 mg/L	0.052978	435.62%
Mo 204.597†	8.0	0.00128 mg/L	0.000584	0.00128 mg/L	0.000584	45.65%
Na 588.995†	-1358.7	-0.3773 mg/L	0.01474	-0.3773 mg/L	0.01474	3.91%
Na 589.592†	-1481.0	-0.3866 mg/L	0.02182	-0.3866 mg/L	0.02182	5.64%
Ni 221.648†	0.3	0.00937 mg/L	0.008230	0.00937 mg/L	0.008230	87.85%
Ni 231.604†	3.2	0.00029 mg/L	0.000091	0.00029 mg/L	0.000091	31.10%
Ni 232.003†	-1.0	-0.01546 mg/L	0.014050	-0.01546 mg/L	0.014050	90.88%
Pb 217.000†	1.3	0.1309 mg/L	0.07533	0.1309 mg/L	0.07533	57.56%
Pb 220.353†	2.4	0.00106 mg/L	0.001464	0.00106 mg/L	0.001464	138.69%
Sb 206.836†	1.0	0.00055 mg/L	0.002193	0.00055 mg/L	0.002193	400.66%
Sb 217.582†	-0.8	-0.1372 mg/L	0.03320	-0.1372 mg/L	0.03320	24.19%
Se 196.026†	3.4	0.00426 mg/L	0.002181	0.00426 mg/L	0.002181	51.23%
Se 203.985†	1.3	0.00280 mg/L	0.004534	0.00280 mg/L	0.004534	161.90%
Sn 189.927†	2.1	0.00190 mg/L	0.001565	0.00190 mg/L	0.001565	82.16%
Sn 235.485†	-0.2	-0.00749 mg/L	0.019477	-0.00749 mg/L	0.019477	260.04%
Sr 407.771†	-290.5	-0.00281 mg/L	0.000011	-0.00281 mg/L	0.000011	0.38%
Sr 421.552†	-381.6	-0.00246 mg/L	0.000052	-0.00246 mg/L	0.000052	2.11%
Sr 460.733†	-23.2	-0.00336 mg/L	0.026049	-0.00336 mg/L	0.026049	775.23%
Ti 334.940†	3.2	0.00036 mg/L	0.000101	0.00036 mg/L	0.000101	28.04%
Ti 336.121†	-0.4	-0.00006 mg/L	0.000553	-0.00006 mg/L	0.000553	952.45%
Ti 337.279†	1.0	0.00034 mg/L	0.000428	0.00034 mg/L	0.000428	125.57%
Tl 190.801†	0.7	0.00106 mg/L	0.001952	0.00106 mg/L	0.001952	183.89%
Tl 276.787†	-1.1	-0.00032 mg/L	0.003753	-0.00032 mg/L	0.003753	>999.9%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	2.6	0.00294 mg/L	0.001806	0.00294 mg/L	0.001806	61.42%
V 309.310†	-0.2	-0.00012 mg/L	0.000565	-0.00012 mg/L	0.000565	480.19%
V 310.230†	-395.9	-0.00290 mg/L	0.000547	-0.00290 mg/L	0.000547	18.86%
Zn 202.548†	2.2	0.01250 mg/L	0.005630	0.01250 mg/L	0.005630	45.04%
Zn 206.200†	0.5	0.00600 mg/L	0.009964	0.00600 mg/L	0.009964	166.09%
Zn 213.857†	3.4	0.00829 mg/L	0.004434	0.00829 mg/L	0.004434	53.51%

All analytes passed QC.

Sequence No.: 54
Sample ID: Hi AQC
Analyst:
Sample Wt:

Autosampler Location: 4
Date Collected: 9/12/01 3:12:06 PM

Sample Prep Volume:

Dilution: 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	127559.0						2009.85	1.58%
Y 360.073	3024331.0						89360.05	2.95%
Ag 328.068†	-93.2	-0.00055	mg/L	0.000329	-0.00055	mg/L	0.000329	59.37%
Ag 338.289†	92.6	0.00100	mg/L	0.000041	0.00100	mg/L	0.000041	4.11%
Al 308.215†	23448.0	97.91	mg/L	0.500	97.91	mg/L	0.500	0.51%
QC value within limits for Al 308.215 Recovery = 97.91%								
Al 394.401†	45580.9	97.59	mg/L	0.761	97.59	mg/L	0.761	0.78%
Al 396.153†	180450.7	98.47	mg/L	1.245	98.47	mg/L	1.245	1.26%
As 188.979†	1.1	0.4300	mg/L	0.41455	0.4300	mg/L	0.41455	96.40%
As 193.696†	0.0	0.00004	mg/L	0.005144	0.00004	mg/L	0.005144	>999.9%
As 197.197†	-0.3	-0.1576	mg/L	0.16387	-0.1576	mg/L	0.16387	103.98%
B 208.889†	2.3	0.08846	mg/L	0.100974	0.08846	mg/L	0.100974	114.15%
B 249.677†	0.0	0.00009	mg/L	0.006982	0.00009	mg/L	0.006982	>999.9%
B 249.772†	76.9	0.1632	mg/L	0.00639	0.1632	mg/L	0.00639	3.91%
Ba 233.527†	-0.6	-0.00097	mg/L	0.001145	-0.00097	mg/L	0.001145	117.85%
Ba 455.403†	-0.4	-0.00001	mg/L	0.000031	-0.00001	mg/L	0.000031	438.25%
Ba 493.408†	106.9	0.00102	mg/L	0.000357	0.00102	mg/L	0.000357	35.03%
Be 234.861†	-160176.5	-0.6431	mg/L	0.02202	-0.6431	mg/L	0.02202	3.42%
Be 313.042†	8.3	0.00037	mg/L	0.000070	0.00037	mg/L	0.000070	19.11%
Be 313.107†	8.3	0.00037	mg/L	0.000070	0.00037	mg/L	0.000070	19.11%
Ca 315.887†	111957.6	104.8	mg/L	1.33	104.8	mg/L	1.33	1.27%
QC value within limits for Ca 315.887 Recovery = 104.81%								
Ca 317.933†	88026.5	97.77	mg/L	1.206	97.77	mg/L	1.206	1.23%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	82.0	0.00266	mg/L	0.000157	0.00266	mg/L	0.000157	5.90%
Cd 228.802†	-1.1	-0.00191	mg/L	0.000710	-0.00191	mg/L	0.000710	37.19%
Ce 413.380†	23.6	0.02612	mg/L	0.015173	0.02612	mg/L	0.015173	58.08%
Ce 413.764†	-10.2	-0.01097	mg/L	0.007734	-0.01097	mg/L	0.007734	70.49%
Ce 418.660†	27.4	0.01395	mg/L	0.009944	0.01395	mg/L	0.009944	71.29%
Co 228.616†	-58.9	-0.00170	mg/L	0.000246	-0.00170	mg/L	0.000246	14.48%
Co 230.786†	0.3	0.00194	mg/L	0.007595	0.00194	mg/L	0.007595	391.26%
Co 238.892†	-18.9	-0.09080	mg/L	0.015268	-0.09080	mg/L	0.015268	16.82%
Cr 205.560†	-1.4	-0.06224	mg/L	0.022859	-0.06224	mg/L	0.022859	36.73%
Cr 267.716†	-31.8	-0.00145	mg/L	0.000412	-0.00145	mg/L	0.000412	28.36%
Cr 283.563†	26.6	0.02973	mg/L	0.001907	0.02973	mg/L	0.001907	6.41%
Cu 224.700†	0.6	0.00743	mg/L	0.012555	0.00743	mg/L	0.012555	169.02%
Cu 324.752†	7.9	0.00224	mg/L	0.001333	0.00224	mg/L	0.001333	59.59%
Cu 327.393†	148.0	0.00268	mg/L	0.000181	0.00268	mg/L	0.000181	6.78%
Fe 238.204†	50344.2	94.79	mg/L	1.035	94.79	mg/L	1.035	1.09%
Fe 239.562†	39417.6	94.24	mg/L	0.781	94.24	mg/L	0.781	0.83%
Fe 259.939†	117401.5	95.68	mg/L	1.190	95.68	mg/L	1.190	1.24%
Fe 273.955†	19707.0	106.4	mg/L	0.79	106.4	mg/L	0.79	0.74%
QC value within limits for Fe 273.955 Recovery = 106.44%								
K 766.490†	47105.5	103.3	mg/L	0.86	103.3	mg/L	0.86	0.84%
QC value within limits for K 766.490 Recovery = 103.32%								
Li 610.362†	-225.7	-0.04362	mg/L	0.008378	-0.04362	mg/L	0.008378	19.21%
Li 670.784†	403.5	0.01000	mg/L	0.002616	0.01000	mg/L	0.002616	26.17%
Mg 279.077†	12554.6	60.08	mg/L	0.294	60.08	mg/L	0.294	0.49%
QC value within limits for Mg 279.077 Recovery = 100.13%								
Mg 280.271†	1901110.8	56.56	mg/L	0.714	56.56	mg/L	0.714	1.26%
Mg 285.213†	51411.3	55.60	mg/L	0.420	55.60	mg/L	0.420	0.76%
Mn 257.610†	14.8	0.00302	mg/L	0.000196	0.00302	mg/L	0.000196	6.49%
Mn 259.372†	841.5	0.00145	mg/L	0.002435	0.00145	mg/L	0.002435	167.58%
Mn 260.568†	1.6	0.00043	mg/L	0.000161	0.00043	mg/L	0.000161	37.46%
Mo 202.031†	-2.8	-0.1125	mg/L	0.01963	-0.1125	mg/L	0.01963	17.45%
Mo 203.845†	1.5	0.09869	mg/L	0.045329	0.09869	mg/L	0.045329	45.93%
Mo 204.597†	9.7	0.00156	mg/L	0.000636	0.00156	mg/L	0.000636	40.80%
Na 588.995†	345724.7	96.01	mg/L	1.080	96.01	mg/L	1.080	1.12%
Na 589.592†	378200.1	98.73	mg/L	1.142	98.73	mg/L	1.142	1.16%
QC value within limits for Na 589.592 Recovery = 98.73%								
Ni 221.648†	0.7	0.02333	mg/L	0.009148	0.02333	mg/L	0.009148	39.21%
Ni 231.604†	23.4	0.00212	mg/L	0.000505	0.00212	mg/L	0.000505	23.78%
Ni 232.003†	-0.8	-0.01239	mg/L	0.007326	-0.01239	mg/L	0.007326	59.12%
Pb 217.000†	0.5	0.05086	mg/L	0.053545	0.05086	mg/L	0.053545	105.28%

Pb 220.353†	4.9	0.00217	mg/L	0.000865	0.00217	mg/L	0.000865	39.80%
Sb 206.836†	0.6	0.00032	mg/L	0.004955	0.00032	mg/L	0.004955	>999.9%
Sb 217.582†	-0.2	-0.03272	mg/L	0.118119	-0.03272	mg/L	0.118119	360.98%
Se 196.026†	-12.3	-0.01548	mg/L	0.007518	-0.01548	mg/L	0.007518	48.57%
Se 203.985†	8.5	0.01841	mg/L	0.003847	0.01841	mg/L	0.003847	20.90%
Sn 189.927†	2.1	0.00199	mg/L	0.002139	0.00199	mg/L	0.002139	107.70%
Sn 235.485†	308.2	12.46	mg/L	0.227	12.46	mg/L	0.227	1.82%
Sr 407.771†	-46.5	-0.00045	mg/L	0.000011	-0.00045	mg/L	0.000011	2.39%
Sr 421.552†	66.3	0.00043	mg/L	0.000162	0.00043	mg/L	0.000162	37.85%
Sr 460.733†	-49.3	-0.00713	mg/L	0.002225	-0.00713	mg/L	0.002225	31.19%
Ti 334.940†	7.3	0.00083	mg/L	0.000355	0.00083	mg/L	0.000355	42.97%
Ti 336.121†	6.4	0.00085	mg/L	0.000024	0.00085	mg/L	0.000024	2.87%
Ti 337.279†	4.3	0.00154	mg/L	0.000514	0.00154	mg/L	0.000514	33.49%
Tl 190.801†	2.2	0.00331	mg/L	0.002130	0.00331	mg/L	0.002130	64.26%
Tl 276.787†	8991.7	2.559	mg/L	0.0771	2.559	mg/L	0.0771	3.01%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	-2.2	-0.00249	mg/L	0.002793	-0.00249	mg/L	0.002793	112.38%
V 309.310†	13.8	0.00843	mg/L	0.005265	0.00843	mg/L	0.005265	62.45%
V 310.230†	-73.3	-0.00054	mg/L	0.000495	-0.00054	mg/L	0.000495	92.22%
Zn 202.548†	3.4	0.01549	mg/L	0.001974	0.01549	mg/L	0.001974	12.74%
Zn 206.200†	-1.8	-0.02121	mg/L	0.004286	-0.02121	mg/L	0.004286	20.21%
Zn 213.857†	19.5	0.03769	mg/L	0.005310	0.03769	mg/L	0.005310	14.09%

All analytes passed QC.