

INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME LRI CITY/STATE Teterboro NJ  
 CASE NO. 9090A SDG NO. 909001 SDG NOS. TO FOLLOW \_\_\_\_\_ SAS NO. \_\_\_\_\_  
 CONTRACT NO. \_\_\_\_\_ ASP DATE 12/91

All documents delivered in the complete SDG file must be original documents where possible. (REFERENCE EXHIBIT B, SECTION II AND III.)

	PAGE NOS.		CHECK	
	FROM	TO	LAB	NYSDEC
1. Inventory Sheet (Form DC-2) (Do not number)	1	3	✓	—
2. Cover Page/ <u>CASE NARRATIVE</u>	1	3	✓	—
3. Inorganic Analysis Data Sheet (FORM I - IN)	4	45	✓	—
4. Initial & Continuing Calibration Verification (FORM IIA - IN)	46	50	✓	—
5. CRDL Standards For AA and ICP (FORM IIB - IN)	51 52	52	✓	—
6. Blanks (FORM III - IN)	53	55	✓	—
7. ICP Interference Check Sample (FORM IV - IN)	56	57	✓	—
8. Spike Sample Recovery (FORM VA - IN)	58	59	✓	—
9. Post Digest Spike Sample Recovery (FORM VB - IN)	-	-	-	—
10. Duplicates (FORM VI - IN)	60	61	✓	—
11. Laboratory Control Sample (FORM VII - IN)	62	63	✓	—
12. Standard Addition Results (FORM VIII - IN)	64	64	✓	—
13. ICP Serial Dilutions (FORM IX - IN)	65	66	✓	—
14. Instrument Detection Limits (FORM X - IN)	67	67	✓	—
15. ICP Interelement Correction Factors (FORM XIA - IN)	68	68	✓	—
16. ICP Interference Correction Factors (FORM XIB - IN)	69	70	✓	—
17. ICP Linear Ranges (FORM XII - IN)	71	71	✓	—
18. Preparation Log (FORM XIII - IN)	72	74	✓	—
19. Analysis Run Log (FORM XIV - IN)	75	77	✓	—
✓ 20. ICP Raw Data	78	259	✓	—
21. Furnace AA Raw Data	—	—	—	—
22. Mercury Raw Data	—	—	—	—

FORM DC-2-IN-1

AGFA

T609080

INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. 40900 SDG NO. 40900 SDG NOS. TO FOLLOW \_\_\_\_\_ SAS NO. \_\_\_\_\_

	PAGE NOS:		CHECK	
	FROM	TO	LAB	NYSDEC
23. Cyanide Raw Data				
✓ 24. Preparation Logs Raw Data	<u>282</u>	<u>286</u>	✓	
✓ 25. Percent Solids Determination Log	<u>287</u>	<u>289</u>	✓	
26. Contract Lab Sample Information Sheet (CLISIS)				
27. NYSDEC Shipping/Receiving Documents				
Airbill (No. of Shipments _____)				
✓ Chain-of-custody Records	<u>290</u>	<u>294</u>	✓	
Sample Tags				
✓ Sample Log-in Sheet (Lab & DC1)	<u>295</u>	<u>297</u>	✓	
✓ SDG Cover Sheet.	<u>298</u>	<u>299</u>	✓	
28. Misc Shipping/Receiving Records (list all individual records)				
Telephone Logs				
_____				
_____				
29. Internal Lab Sample Transfer Records & Transfer Sheets (describe or list)				
✓ I-C-G-C	<u>300</u>	<u>303</u>	✓	
✓ Metals Dep. Batch sheet	<u>304</u>	<u>309</u>	✓	
30. Internal Original Sample Prep & Analysis Records (describe or list)				
Prep Records _____				
Analysis Records _____				
Description _____				
31. Other Records (describe or list)				
✓ Telephone Communications Log			✓	
✓ IDL Study	<u>308</u>	<u>318</u>		
_____				
32. Comments:				
_____				
_____				

Completed by (CLP Lab) M. Amir (Signature) QA Office (Print Name & Title) 9/19/96 (Date)

Audited by (NYSDEC) \_\_\_\_\_ (Signature) \_\_\_\_\_ (Print Name & Title) \_\_\_\_\_ (Date)

To be included with all lab data and with each workplan

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		*VOA GC/MS Method #	*BNA GC/MS Method #	*VOA GC Method #	*Pest PCBs Method #	*Metals <i>cd + Ag</i> <i>ASP 12/90</i>	*Other
B-2-1S	T609080-01					✓	
B-2-1D	-02					/	
B-2-2S	-03					/	
B-2-2D	-04					/	
B-2-3S	-05					/	
B-2-3D	-06					/	
B-2-4S	-07					/	
B-2-4D	-08					/	
B-2-5S	-09					/	
2-5504P	-10					/	
B-2-5D	-11					/	
B-2-6S	-12					/	
B-2-6D	-13					/	
B-2-7S	-14					/	
B-2-7D	-15					/	
B-2-8S	-16					/	
B-2-8D	-17					/	
B-2-9S	-18					/	
B-2-9D	-19					/	
RBLK-S	-20					/	
RBLK-A	-21					/	
F-BLK	-22					/	
B-2-10S	-23					/	
B-2-10D	-24					/	
10D04P	-25					/	
B-2-11S	-26					/	
B-2-11D	-27					/	
B-2-12S	-28					/	
B-2-12D	-29					/	
B-2-13S	-30					/	
B-2-13D	-31					/	
B-2-14S	-32					/	
B-2-14D	✓ -33					/	

To be included with all lab data and with each workplan

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		*VOA GC/MS Method #	*BNA GC/MS Method #	*VOA GC Method #	*Pest PCBs Method #	*Metals cd, Ag AsPbZn	*Other
B-2-155	T609080-34					/	
B-2-150	-35					/	
B-2-165	-36					/	
B-2-160	-37					/	
B-2-175	-38					/	
B-2-170	-39					/	
B-2-185	↙ -40					/	



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY  
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Analyzed
T609080-01	soil	cd, Ag	9/6/86	9/12/86
-02		/		
-03		/		
-04		/		
-05		/		
-06		/		
-07		/		
-08		/		
-09		/		
-10		/		
-11		/		
-12		/		
-13		/		
-14		/		
-15		/		
-16		/		
-17		/		
-18		/		
-19		/		
-20	water	/		
-21		/		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY  
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Analyzed
T609080-22	water	cd, Hg	9-6-96	9/12/96
-23	soil	/		
-24		/		
-25		/		
-26		/		
-27		/		
-28		/		
-29		/		
-30		/		
-31		/		
-32		/		
-33		/		
-34		/		
-35		/		
-36		/		
-37		/		
-38		/		
-39		/		
↓ -40	↓	/	↓	↓



Morristown Division  
 100 Hollister Road  
 Morristown, New Jersey 07608  
 FAX: 201-288-5311  
 201-288-3700

**SDG CASE NARRATIVE**  
**INORGANICS METALS( Cd, Ag) NYASP 12/91**

Lab Name: LRI

Client: AGFA

Project: Peerless Photo Site

Job No.: T609080

CASE No. : 9080A

SDG No. : 908001

The following samples are included in this Sample Delivery Group:

LAB ID #	Matrix	CLIENT ID #	ID to be used on forms
T609080-01	soil	SB-2-1S	B-2-1S
T609080-02	soil	SB-2-1D	B-2-1D
T609080-03	soil	SB-2-2S	B-2-2S
T609080-04	soil	SB-2-2D	B-2-2D
T609080-05	soil	SB-2-3S	B-2-3S
T609080-06	soil	SB-2-3D	B-2-3D
T609080-07	soil	SB-2-4S	B-2-4S
T609080-08	soil	SB-2-4D	B-2-4D
T609080-09	soil	SB-2-5S	B-2-5S
T609080-10	soil	SB-2-5SDUP	2-5SDUP
T609080-11	soil	SB-2-5D	B-2-5D
T609080-12	soil	SB-2-6S	B-2-6S
T609080-13	soil	SB-2-6D	B-2-6D
T609080-14	soil	SB-2-7S	B-2-7S
T609080-15	soil	SB-2-7D	B-2-7D
T609080-16	soil	SB-2-8S	B-2-8S
T609080-17	soil	SB-2-8D	B-2-8D
T609080-18	soil	SB-2-9S	B-2-9S
T609080-19	soil	SB-2-9D	B-2-9D
T609080-20	water	Rinsate Blk:Spoon	RBLK-S
T609080-21	water	Rinsate Blk:Auger	RBLK-A
T609080-22	water	Field Blank	F-BLK
T609080-23	soil	SB-2-10S	B-2-10S
T609080-24	soil	SB-2-10D	B-2-10D
T609080-25	soil	SB-2-10DDUP	10DDUP
T609080-26	soil	SB-2-11S	B-2-11S
T609080-27	soil	SB-2-11D	B-2-11D
T609080-28	soil	SB-2-12S	B-2-12S
T609080-29	soil	SB-2-12D	B-2-12D

000001

LAB ID #	Matrix	CLIENT ID #	ID to be used on forms
T609080-30	soil	SB-2-13S	B-2-13S
T609080-31	soil	SB-2-13D	B-2-13D
T609080-32	soil	SB-2-14S	B-2-14S
T609080-33	soil	SB-2-14D	B-2-14D
T609080-34	soil	SB-2-15S	B-2-15S
T609080-35	soil	SB-2-15D	B-2-15D
T609080-36	soil	SB-2-16S	B-2-16S
T609080-37	soil	SB-2-16D	B-2-16D
T609080-38	soil	SB-2-17S	B-2-17S
T609080-39	soil	SB-2-17D	B-2-17D
T609080-40	soil	SB-2-18S	B-2-18S

Detailed Documentation of Problems Encountered With These samples:

**General**

1. Please note that for the cross reference check the Lab sample ID. with Client ID. is listed above on this case narrative.
2. All the above water samples for TAL-Metals and Cyanide analysis as per Chain-of-Custody were performed at LRI NJ- Div. for the above work order in one data package with CASE # 9080A and SDG # 908001.

**METALS:**

- Please note that the client sample number with the sample description is too many characters, therefore as per the software being used for data processing (Ward Scientific Software) only six characters can be used for EPA sample number. Never-the-less for the cross reference check the Lab sample ID. with Client ID. is listed above on this case narrative.
  - Please be advised that LRI uses the Ward Scientific Software for data processing of CLP Inorganic Packages, the software is designed to accommodate one SDG at a time made of twenty samples or less of the same matrix.
1. The Inorganic ASP CLP data package contains respectively in this order: Case narrative followed by Forms I to XIV, ICP raw data and the last part is General such as sample preparation log and Chain-of-Custody, Sample Log-in-sheet, Internal Chain-of-Custody followed by metals department batch sheet and IDL study.
  2. Sample T609080-01 (B-2-1S) and -23 (B-2-10S) were analyzed for QC (duplicate and digestion spike) for ICP in a batch of 20 samples, the same samples were analyzed for ICP serial dilution and it covers the above work order.

000002

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

09-19-96



Moe Amirsoleymani  
CLP/ASP, QA/QC Manager

000003

NYSDEC ASP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

SOW No.: 3/90\_

NYSDEC Sample No.

Lab Sample ID.

___ B-2-1D ___	0908002 ___
___ B-2-1S ___	0908001 ___
___ B-2-1SD ___	0908001D ___
___ B-2-1SS ___	0908001S ___
___ B-2-10D ___	0908024 ___
___ B-2-10S ___	0908023 ___
___ B-2-11D ___	0908027 ___
___ B-2-11S ___	0908026 ___
___ B-2-12D ___	0908029 ___
___ B-2-12S ___	0908028 ___
___ B-2-13D ___	0908031 ___
___ B-2-13S ___	0908030 ___
___ B-2-14D ___	0908033 ___
___ B-2-14S ___	0908032 ___
___ B-2-15D ___	0908035 ___
___ B-2-15S ___	0908034 ___
___ B-2-16D ___	0908037 ___
___ B-2-16S ___	0908036 ___
___ B-2-17D ___	0908039 ___
___ B-2-17S ___	0908038 ___
___ B-2-18S ___	0908040 ___
___ B-2-2D ___	0908004 ___
___ B-2-2S ___	0908003 ___

Were ICP interelement corrections applied ?

Yes/No YES

Were ICP background corrections applied ?

Yes/No YES

If yes - were raw data generated before  
application of background corrections ?

Yes/No NO\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Lab Manager: JASPIR SANDHU

Date: 9/18/96

COVER PAGE - IN

12/91

000004

NYSDEC ASP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

ROW No.: 3/90\_

NYSDEC Sample No.

Lab Sample ID.

B-2-3D	0908006
B-2-3S	0908005
B-2-4D	0908008
B-2-4S	0908007
B-2-5D	0908011
B-2-5S	0908009
B-2-6D	0908013
B-2-6S	0908012
B-2-7D	0908015
B-2-7S	0908014
B-2-8D	0908017
B-2-8S	0908016
B-2-9D	0908019
B-2-9S	0908018
F-BLK	0908022
RBLK-A	0908021
RBLK-S	0908020
10DDUP	0908025
2-5SDUP	0908010
B-2-10SS	0908023S
B-2-10SD	0908023D
_____	_____
_____	_____
_____	_____

*MPA*  
*9/19/96*

Were ICP interelement corrections applied ?

Yes/No YES

Were ICP background corrections applied ?

Yes/No YES

If yes - were raw data generated before application of background corrections ?

Yes/No NO\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Lab Manager: JASBIR SANDHU

Date: 9/17/96

COVER PAGE - IN

12/91

000005

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-1S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908001 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: 87.9 ✓

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	✓ 3.1			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	✓ 43.0			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-1D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL\_ Lab Sample ID: 0908002\_

Level (low/med): LOW\_ Date Received: 09/06/96

% Solids: \_90.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.39	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	2.0	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

000007

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-2S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908003 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 96.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	6.9			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	236			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-2D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908004 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

Solids: \_\_\_\_\_ 88.2 ✓

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.23	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-3S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908005 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 91.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	2.0			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	27.3			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-3D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908006 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.23	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-4S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908007 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 91.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	5.5			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	154			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: YES

Comments:

ARTIFACTS: ROOTS. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-4D

ab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

ab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908008 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

Solids: \_\_\_\_\_ 87.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.23	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-5S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908009 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 91.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	105			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	288			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

2-5SDUP

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908010 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 92.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	126			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	260			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-5D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL\_ \_\_\_\_\_ Lab Sample ID: 0908011\_

Level (low/med): LOW\_ \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 89.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	1.9	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

B-2-6S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908012 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

Solids: \_\_\_\_\_ 85.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	3.3			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	99.0			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-6D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 90801 SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908013 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 74.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	24.2			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	247			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BLACK \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

000018

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-7S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908014 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 91.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	2.7			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	107			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: YES

Comments:

ARTIFACTS: ROOTS.

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-7D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908015 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 88.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	1.4			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.29	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-8S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908016 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 94.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	2.8			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	88.8			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: YES

Comments:

ARTIFACTS: ROOTS. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-8D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908017 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

Solids: \_\_\_\_\_ 93.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.97	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	290			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-9S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908018 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	6.1			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	157			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-9D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 90804 SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908019 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

Solids: \_\_\_\_\_ 89.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.22	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

000024

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-10S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908023 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 92.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	2.6			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	222			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-10D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908024 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 89.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.22	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

0908024

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

10DDUP

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908025 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 88.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.23	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-11S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908026 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 94.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	129			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: YES

Comments:

ARTIFACTS: ROOTS.

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-11D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908027 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 91.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.22	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-12S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908028 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 91.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	1.8			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	93.3			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: YES

Comments:

ARTIFACTS: ROOTS AND STONES.



NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-12D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908029 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 92.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.22	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-13S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908030 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 93.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	2.2			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	448			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

000035

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-13D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908031 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 91.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.22	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: YES

Comments:

ARTIFACTS: ROOTS.

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-14S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908032 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 94.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	90.8			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

000037

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-14D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080 SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908033 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 89.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	1.2			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	375			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

000038

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-15S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908034 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

Solids: \_\_\_\_\_ 92.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.52	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	398			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: YES

Comments:

ARTIFACTS: ROOTS. \_\_\_\_\_

000639

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-15D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 90800 SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908035 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 90.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.22	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

000040

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-16S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908036 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 95.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	3.5			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	223			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: YES

Comments:

ARTIFACTS: ROOTS AND STONES.

000041



NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-16D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908037 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 90.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	9.5			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

00042

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-17S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908038 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 93.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	4.3			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	239			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

000043

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-17D

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908039 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

Solids: \_\_\_\_\_ 90.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.22	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ 000044

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

B-2-18S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Lab Sample ID: 0908040 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 79.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	2.4			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	29.9			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: BROWN \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

030045

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

RBLK-S

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): WATER Lab Sample ID: 0908020 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L\_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR \_\_\_\_\_ Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

000025

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

RBLK-A

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 90804 SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): WATER Lab Sample ID: 0908021 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

Solids: \_\_\_\_\_ 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L \_\_\_\_\_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR \_\_\_\_\_ Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

F-BLK

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 90801 SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): WATER Lab Sample ID: 0908022 \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_ Date Received: 09/06/96

% Solids: \_\_\_\_\_ 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L \_\_\_\_\_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR \_\_\_\_\_ Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

0908027

NYSDEC ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

Initial Calibration Source: INORGANIC VE

Continuing Calibration Source: INORGANIC VE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium	500.0	488.54	97.7	500.0	481.40	96.3	482.12	96.4	P
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver	500.0	506.24	101.2	500.0	498.76	99.8	502.72	100.5	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115



NYSDEC ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Initial Calibration Source: INORGANIC VE

Continuing Calibration Source: INORGANIC VE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				M	
	True	Found	%R(1)	True	Found	%R(1)	Found		%R(1)
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium				500.0	482.65	96.5	487.17	97.4	P
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver				500.0	503.40	100.7	503.21	100.6	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

000047

NYSDEC ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Initial Calibration Source: INORGANIC VE

Continuing Calibration Source: INORGANIC VE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				M	
	True	Found	%R(1)	True	Found	%R(1)	Found		%R(1)
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium				500.0	485.83	97.2	477.56	95.5	P
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver				500.0	505.80	101.2	500.20	100.0	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

000048

NYSDEC ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Initial Calibration Source: INORGANIC VE

Continuing Calibration Source: INORGANIC VE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				M	
	True	Found	%R(1)	True	Found	%R(1)	Found		%R(1)
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium				500.0	488.15	97.6	486.20	97.2	P
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver				500.0	506.27	101.3	508.30	101.7	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

000049

NYSDEC ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Initial Calibration Source: INORGANIC VE

Continuing Calibration Source: INORGANIC VE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				M	
	True	Found	%R(1)	True	Found	%R(1)	Found		%R(1)
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium				500.0	481.88	96.4			P
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver				500.0	502.27	100.5			P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

90050

NYSDEC ASP

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

AA CRDL Standard Source: \_\_\_\_\_

ICP CRDL Standard Source: INORGANIC VE

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium				10.0	8.83	88.3	8.98	89.8
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver				20.0	23.15	115.8	23.95	119.8
Sodium								
Thallium								
Vanadium								
Zinc								

000051

NYSDEC ASP

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

AA CRDL Standard Source: \_\_\_\_\_

ICP CRDL Standard Source: INORGANIC VE

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium				10.0			8.97	89.7
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver				20.0			23.75	118.8
Sodium								
Thallium								
Vanadium								
Zinc								

000052

NYSDEC ASP

3  
BLANKS

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Preparation Blank Matrix (soil/water): SOIL\_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

000053

NYSDEC ASP

3  
BLANKS

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

Preparation Blank Matrix (soil/water): SOIL\_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum										NR	
Antimony										NR	
Arsenic										NR	
Barium										NR	
Beryllium										NR	
Cadmium			1.0	U	1.0	U	1.0	U	0.200	U	P
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver			1.0	U	1.0	U	1.0	U	0.200	U	P
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

000054



NYSDEC ASP

3  
BLANKS

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L\_

Analyte	Initial Calib. Blank (ug/L) C	Continuing Calibration Blank (ug/L)						Preparation Blank C	M
		1 C	2 C	3 C	4 C	5 C	6 C		
Aluminum								NR	
Antimony								NR	
Arsenic								NR	
Barium								NR	
Beryllium								NR	
Cadmium		1.0 U		1.0 U		1.0 U	1.000 U	P	
Calcium								NR	
Chromium								NR	
Cobalt								NR	
Copper								NR	
Iron								NR	
Lead								NR	
Magnesium								NR	
Manganese								NR	
Mercury								NR	
Nickel								NR	
Potassium								NR	
Selenium								NR	
Silver		1.0 U		1.0 U		1.0 U	1.000 U	P	
Sodium								NR	
Thallium								NR	
Vanadium								NR	
Zinc								NR	
Cyanide								NR	

00055

NYSDEC ASP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No: \_\_\_\_\_

SDG No.: 908001

ICP ID Number: TRACE \_\_\_\_\_

ICS Source: INORGANIC VE

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	500000	500000	481493	484911.6	97.0	482344	485011.0	97.0
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium		1000		887.2	88.7		891.1	89.1
Calcium	500000	500000	458942	464447.2	92.9	459107	464806.4	93.0
Chromium								
Cobalt								
Copper								
Iron	200000	200000	188532	196502.8	98.3	188859	197121.8	98.6
Lead								
Magnesium	500000	500000	502074	495741.5	99.1	503554	498045.2	99.6
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver		200		189.9	95.0		189.5	94.8
Sodium								
Thallium								
Vanadium								
Zinc								

NYSDEC ASP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No: \_\_\_\_\_

SDG No.: 908001

ICP ID Number: TRACE \_\_\_\_\_

ICS Source: INORGANIC VE

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	500000	500000				483035	491371.3	98.3
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium		1000					899.6	90.0
Calcium	500000	500000				458633	470555.4	94.1
Chromium								
Cobalt								
Copper								
Iron	200000	200000				188732	199623.7	99.8
Lead								
Magnesium	500000	500000				503548	504740.9	100.9
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver		200					192.0	96.0
Sodium								
Thallium								
Vanadium								
Zinc								

U.S. EPA - CLP

5A  
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

B-2-1SS

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A2

SAS No.: \_\_\_\_\_

SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_

% Solids for Sample: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium	75-125	14.0075	3.0758	11.38	96.1		P
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead							NR
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver	75-125	55.9850	42.9559	11.38	114.5		P
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Cyanide							NR

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U.S. EPA - CLP

5A  
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

B-2-10SS

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_

Level (low/med): LOW \_\_\_\_\_

% Solids for Sample: 92.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium	75-125	12.5970	2.6183	10.76	92.7		P
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead							NR
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver		234.6672	222.3856	10.76	114.1		P
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Cyanide							NR

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NYSDEC ASP

6  
DUPLICATES

NYSDEC SAMPLE NO.

B-2-1SD

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL\_ Level (low/med): LOW\_

% Solids for Sample: 87.9 % Solids for Duplicate: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum						NR
Antimony						NR
Arsenic						NR
Barium						NR
Beryllium						NR
Cadmium	1.1	3.0758	3.3800	9.4		P
Calcium						NR
Chromium						NR
Cobalt						NR
Copper						NR
Iron						NR
Lead						NR
Magnesium						NR
Manganese						NR
Mercury						NR
Nickel						NR
Potassium						NR
Selenium						NR
Silver		42.9559	43.0965	0.3		P
Sodium						NR
Thallium						NR
Vanadium						NR
Zinc						NR
Cyanide						NR

NYSDEC ASP

6  
DUPLICATES

NYSDEC SAMPLE NO.

B-2-10SD

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL\_ Level (low/med): LOW\_

% Solids for Sample: 92.9 % Solids for Duplicate: 92.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum						NR
Antimony						NR
Arsenic						NR
Barium						NR
Beryllium						NR
Cadmium	1.1	2.6183	2.4334	7.3		P
Calcium						NR
Chromium						NR
Cobalt						NR
Copper						NR
Iron						NR
Lead						NR
Magnesium						NR
Manganese						NR
Mercury						NR
Nickel						NR
Potassium						NR
Selenium						NR
Silver		222.3856	224.9132	1.1		P
Sodium						NR
Thallium						NR
Vanadium						NR
Zinc						NR
Cyanide						NR

300061

NYSDEC ASP

7

LABORATORY CONTROL SAMPLE

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

Solid LCS Source: SPEX \_\_\_\_\_

Aqueous LCS Source: SPEX \_\_\_\_\_

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum								
Antimony								
arsenic								
Barium								
Beryllium								
Cadmium	50.0	50.67	101.3	10.0	9.5		8.0 12.0	95.0
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver	50.0	55.92	111.8	10.0	10.2		8.0 12.0	102.0
Sodium								
Thallium								
Vanadium								
Zinc								
Cyanide								

000062



NYSDEC ASP

7

LABORATORY CONTROL SAMPLE

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

Solid LCS Source: SPEX \_\_\_\_\_

Aqueous LCS Source: SPEX \_\_\_\_\_

Analyte	Aqueous (ug/L)			Solid (mg/kg)				%R
	True	Found	%R	True	Found	C	Limits	
Aluminum								
Antimony								
arsenic								
Barium								
Beryllium								
Cadmium				10.0	10.2		8.0 12.0	102.0
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver				10.0	11.1		8.0 12.0	111.0
Sodium								
Thallium								
Vanadium								
Zinc								
Cyanide								

000063

NYSDEC ASP

8

STANDARD ADDITION RESULTS

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

Concentration Units: ug/L

EPA Sample No.	An	0 ADD ABS	1 ADD		2 ADD		3 ADD		Final Conc.	r	Q
			CON	ABS	CON	ABS	CON	ABS			

NYSDEC ASP

9  
ICP SERIAL DILUTION

NYSDEC SAMPLE NO.

B-2-1SL

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Level (low/med): LOW \_\_\_\_\_

Concentration Units: ug/L

Analyte	Initial Sample		Serial Dilution		% Difference	Q	M
	Result (I)	C	Result (S)	C			
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium	13.52		12.89	B	4.7		P
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead							
Magnesium							
Manganese							
Mercury							
Nickel							
Potassium							
Selenium							
Silver	188.79		200.29		6.1		P
Sodium							
Thallium							
Vanadium							
Zinc							

000065

NYSDEC ASP

9  
ICP SERIAL DILUTION

NYSDEC SAMPLE NO.

B-2-105L

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001

Matrix (soil/water): SOIL \_\_\_\_\_ Level (low/med): LOW \_\_\_\_\_

Concentration Units: ug/L

Analyte	Initial Sample		Serial		% Difference	Q	M
	Result (I)	C	Result (S)	C			
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium	12.16		12.78	B	5.1		P
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead							
Magnesium							
Manganese							
Mercury							
Nickel							
Potassium							
Selenium							
Silver	1032.98		1009.86		2.2		P
Sodium							
Thallium							
Vanadium							
Zinc							

000066

NYSDEC ASP

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: LRI \_\_\_\_\_ Contract: \_\_\_\_\_  
 Lab Code: LRI \_\_\_\_\_ Case No.: 9080A SAS No.: \_\_\_\_\_ SDG No.: 908001  
 ICP ID Number: TRACE \_\_\_\_\_ Date: 07/13/96  
 Flame AA ID Number : \_\_\_\_\_  
 Furnace AA ID Number : \_\_\_\_\_

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.20		200	25.0	P
Antimony	206.80		60	6.0	P
Arsenic	189.00		10	5.0	P
Barium	234.60		200	1.0	P
Beryllium	313.00		5	1.0	P
Cadmium	226.50		5	1.0	P
Calcium	317.90		5000	8.0	P
Chromium	267.70		10	4.0	P
Cobalt	228.60		50	1.0	P
Copper	324.70		25	1.0	P
Iron	271.40		100	24.0	P
Lead	220.30		3	2.0	P
Magnesium	279.00		5000	6.0	P
Manganese	257.60		15	1.0	P
Mercury			0.2		NR
Nickel	231.60		40	3.0	P
Potassium	766.40		5000	82.0	P
Selenium	196.00		5	3.0	P
Silver	328.00		10	1.0	P
Sodium	330.20		5000	173.0	P
Thallium	190.80		10	6.0	P
Vanadium	292.40		50	1.0	P
Zinc	206.20		20	1.0	P

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

000067

12/91

NYSDEC ASP

11A  
ICP INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

ICP ID Number: TRACE \_\_\_\_\_

Date: 03/27/96

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		Al	Ca	Fe	Mg	CA
Aluminum	308.20		-0.0002100	-0.0005800	-0.0002000	
Antimony	206.80					
Arsenic	189.00					
Barium	234.60					
beryllium	313.00					
Cadmium	226.50			0.0000770		
Calcium	317.90	0.0000180		-0.0001100	0.0001000	
Chromium	267.70				0.0000050	
Cobalt	228.60					
Copper	324.70	0.0000040	0.0000090	0.0000220	0.0000090	
Iron	271.40	0.0000180	0.0000370		-0.0009600	
Lead	220.30	0.0002320		0.0000910		0.0000100
Magnesium	279.00		0.0000160	0.0001970		
Manganese	257.60				0.0000190	
Mercury						
Nickel	231.60				0.0000040	
Potassium	766.40		-0.0000100		-0.0000200	
Selenium	196.00			-0.0000300		
Silver	328.00					
Sodium	330.20	0.0000190		0.0001430	0.0000320	
Thallium	190.80	-0.0000100		-0.0001300		
Vanadium	292.40			0.0000360		
Zinc	206.20			0.0000160		

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NYSDEC ASP

11B

ICP INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

ICP ID Number: TRACE \_\_\_\_\_

Date: 03/27/96

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		CR	FE	LL	MG	MN
Aluminum	308.20	-0.0127400				
Antimony	206.80	0.0045400				
Arsenic	189.00	0.0002700				
Barium	234.60					
Yttrium	313.00					
Cadmium	226.50					
Calcium	317.90	0.0042920				
Chromium	267.70					
Cobalt	228.60	-0.0002500				
Copper	324.70	0.0007720				
Iron	271.40	0.0015190				
Lead	220.30		0.0000560	-0.0001700	0.0000110	
Magnesium	279.00					
Manganese	257.60					
Mercury						
Nickel	231.60					
Potassium	766.40	-0.0006000				
Selenium	196.00	-0.0004200	-0.0003000			0.0004590
Silver	328.00					
Sodium	330.20	0.0039040				
Thallium	190.80	0.0003840				
Vanadium	292.40					
Zinc	206.20	0.0014800				

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NYSDEC ASP

11B

ICP INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

ICP ID Number: TRACE \_\_\_\_\_

Date: 03/27/96

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		MN	V_	V_	__	__
Aluminum	308.20	-0.0128800	0.0142170			
Antimony	206.80					
Arsenic	189.00					
Barium	234.60					
Yttrium	313.00		0.0003030			
Cadmium	226.50					
Calcium	317.90	0.0044100	0.0060550			
Chromium	267.70					
Cobalt	228.60					
Copper	324.70	0.0009360	0.0006910			
Iron	271.40		0.0113220			
Lead	220.30	-0.0002400	-0.0003000			
Magnesium	279.00	-0.0033400	0.0003910			
Manganese	257.60					
Mercury						
Nickel	231.60					
Potassium	766.40	-0.0003600	-0.0004400			
Selenium	196.00	0.0003010	-0.0003500	0.0002140		
Silver	328.00					
Sodium	330.20	0.0045920	0.0064700			
Thallium	190.80	0.0005310	0.0017990			
Vanadium	292.40					
Zinc	206.20					

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



NYSDEC ASP

12  
ICP LINEAR RANGES (QUARTERLY)

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A

SAS No.: \_\_\_\_\_

SDG No.: 908001

ICP ID Number: TRACE \_\_\_\_\_

Date: 08/21/96

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	15.00	500000.0	P
Antimony	15.00	50000.0	P
Arsenic	15.00	10000.0	P
Barium	15.00	100000.0	P
Beryllium	15.00	10000.0	P
Cadmium	15.00	20000.0	P
Calcium	15.00	500000.0	P
Chromium	15.00	50000.0	P
Cobalt	15.00	50000.0	P
Copper	15.00	50000.0	P
Iron	15.00	500000.0	P
Lead	15.00	10000.0	P
Magnesium	15.00	500000.0	P
Manganese	15.00	20000.0	P
Mercury			NR
Nickel	15.00	50000.0	P
Potassium	15.00	100000.0	P
Selenium	15.00	10000.0	P
Silver	15.00	5000.0	P
Sodium	15.00	400000.0	P
Thallium	15.00	20000.0	P
Vanadium	15.00	20000.0	P
Zinc	15.00	20000.0	P

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

000071

NYSDEC ASP

13

PREPARATION LOG

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A1

SAS No.: \_\_\_\_\_

SDG No.: 908001

Method: P\_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
2-5SDUP	09/10/96	1.00	200
B-2-11D	09/10/96	1.00	200
B-2-1D	09/10/96	1.00	200
B-2-1S	09/10/96	1.00	200
B-2-1SD	09/10/96	1.00	200
B-2-1SS	09/10/96	1.00	200
B-2-2D	09/10/96	1.00	200
B-2-2S	09/10/96	1.00	200
B-2-3D	09/10/96	1.00	200
B-2-3S	09/10/96	1.00	200
B-2-4D	09/10/96	1.00	200
B-2-4S	09/10/96	1.00	200
B-2-5D	09/10/96	1.00	200
B-2-5S	09/10/96	1.00	200
B-2-6D	09/10/96	1.00	200
B-2-6S	09/10/96	1.00	200
B-2-7D	09/10/96	1.00	200
B-2-7S	09/10/96	1.00	200
B-2-8D	09/10/96	1.00	200
B-2-8S	09/10/96	1.00	200
B-2-9D	09/10/96	1.00	200
B-2-9S	09/10/96	1.00	200
LCSS	09/10/96	1.00	200
PBS	09/10/96	1.00	200

000072

NYSDEC ASP

13  
PREPARATION LOG

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_

Case No.: 9080A1

SAS No.: \_\_\_\_\_

SDG No.: 908001

Method: P\_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
10DDUP	09/11/96	1.00	200
B-2-10D	09/11/96	1.00	200
B-2-10S	09/11/96	1.00	200
B-2-10S	09/11/96	1.00	200
B-2-10S	09/11/96	1.00	200
B-2-11S	09/11/96	1.00	200
B-2-12D	09/11/96	1.00	200
B-2-12S	09/11/96	1.00	200
B-2-13D	09/11/96	1.00	200
B-2-13S	09/11/96	1.00	200
B-2-14D	09/11/96	1.00	200
B-2-14S	09/11/96	1.00	200
B-2-15D	09/11/96	1.00	200
B-2-15S	09/11/96	1.00	200
B-2-16D	09/11/96	1.00	200
B-2-16S	09/11/96	1.00	200
B-2-17D	09/11/96	1.00	200
B-2-17S	09/11/96	1.00	200
B-2-18S	09/11/96	1.00	200
LCSS1	09/11/96	1.00	200
PBS1	09/11/96	1.00	200

000073



NYSDEC ASP

14  
ANALYSIS RUN LOG

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A<sup>1</sup>

SAS No.: \_\_\_\_\_ SDG No.: 908001

Instrument ID Number: TRACE \_\_\_\_\_

Method: P\_

Start Date: 09/12/96

End Date: 09/12/96

ASP Sample No.	D/F	Time	% R	Analytes																							
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z	C	
				L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I		E	G	A	L	N	N	
SO	1.00	1028		X					X	X				X		X											
STD2	1.00	1033							X																		
STD3	1.00	1038		X					X					X		X											
ICV	1.00	1042							X																		
ICB	1.00	1047							X																		
CV	1.00	1051							X																		
CB	1.00	1056							X																		
ZZZZZZ	1.00	1100																									
CRI	1.00	1105							X																		
ICSA	1.00	1109		X					X	X				X		X											
ICSAB	1.00	1114		X					X	X				X		X											
ZZZZZZ	1.00	1119																									
ZZZZZZ	1.00	1123																									
PBS	1.00	1128							X																		
LCSS	1.00	1132							X																		
B-2-1D	1.00	1137							X																		
B-2-2S	1.00	1142							X																		
CCV	1.00	1146							X																		
CCB	1.00	1151							X																		
B-2-1S	1.00	1155							X																		
B-2-1SD	1.00	1200							X																		
B-2-1SS	1.00	1205							X																		
B-2-1SL	5.00	1209							X																		
B-2-2D	1.00	1214							X																		
B-2-3S	1.00	1218							X																		
B-2-3D	1.00	1223							X																		
B-2-4S	1.00	1227							X																		
B-2-4D	1.00	1232							X																		
B-2-5S	1.00	1237							X																		
CCV	1.00	1241							X																		
CCB	1.00	1246							X																		
-5SDUP	1.00	1250							X																		

NYSDEC ASP

14  
ANALYSIS RUN LOG

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A1

SAS No.: \_\_\_\_\_ SDG No.: 908001

Instrument ID Number: TRACE \_\_\_\_\_

Method: P\_

Start Date: 09/12/96

End Date: 09/12/96

ASP Sample No.	D/F	Time	% R	Analytes																													
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N						
B-2-5D	1.00	1255						X																				X					
B-2-6S	1.00	1300						X																				X					
B-2-6D	1.00	1304						X																				X					
B-2-7S	1.00	1309						X																				X					
B-2-7D	1.00	1313						X																				X					
2-8S	1.00	1318						X																				X					
B-2-8D	1.00	1323						X																				X					
B-2-9S	1.00	1327						X																				X					
B-2-9D	1.00	1332						X																				X					
CCV	1.00	1336						X																				X					
CCB	1.00	1341						X																				X					
B-2-11D	1.00	1346						X																				X					
ZZZZZZ	1.00	1350																															
CRI	1.00	1355						X																				X					
ICSA	1.00	1359					X		X				X		X													X					
ICSAB	1.00	1404					X		X				X		X													X					
CCV	1.00	1409						X																				X					
CCB	1.00	1413						X																				X					
PBW	1.00	1418						X																				X					
LCSW	1.00	1422						X																				X					
RBLK-S	1.00	1427						X																				X					
RBLK-A	1.00	1432						X																				X					
F-BLK	1.00	1436						X																				X					
PBS1	1.00	1441						X																				X					
LCSS1	1.00	1445						X																				X					
B-2-10S	1.00	1450						X																				X					
B-2-10SD	1.00	1455						X																				X					
B-2-10SS	1.00	1459						X																				X					
CCV	1.00	1504						X																				X					
CCB	1.00	1508						X																				X					
B-2-10SL	5.00	1513						X																				X					
B-2-10D	1.00	1518						X																				X					

NYSDEC ASP

14  
ANALYSIS RUN LOG

Lab Name: LRI \_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: LRI \_\_\_\_\_ Case No.: 9080A1

SAS No.: \_\_\_\_\_ SDG No.: 908001

Instrument ID Number: TRACE \_\_\_\_\_

Method: P\_

Start Date: 09/12/96

End Date: 09/12/96

ASP Sample No.	D/F	Time	% R	Analytes																														
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N							
10DDUP	1.00	1522							X																		X							
B-2-11S	1.00	1527							X																			X						
B-2-12S	1.00	1531							X																			X						
B-2-12D	1.00	1536							X																			X						
B-2-13S	1.00	1541							X																			X						
B-2-13D	1.00	1545							X																			X						
B-2-14S	1.00	1550							X																			X						
B-2-14D	1.00	1554							X																			X						
CCV	1.00	1559							X																			X						
CCB	1.00	1604							X																			X						
B-2-15S	1.00	1608							X																			X						
B-2-15D	1.00	1613							X																			X						
B-2-16S	1.00	1617							X																			X						
B-2-16D	1.00	1622							X																			X						
B-2-17S	1.00	1627							X																			X						
B-2-17D	1.00	1631							X																			X						
B-2-18S	1.00	1636							X																			X						
CCV	1.00	1640							X																			X						
CCB	1.00	1645							X																			X						
ZZZZZZ	1.00	1650							X																			X						
CRI	1.00	1654							X																			X						
ICSA	1.00	1659							X	X				X		X												X						
ICSAB	1.00	1703							X					X		X												X						
CCV	1.00	1708							X																			X						
CCB	1.00	1713							X																			X						

Laboratory Resources Inc.  
 Location: Peterboro  
 Department: Metals

ANALYSIS RUN LOG  
 = TRACE ICP =

Date: 9/12/96  
 Shift: Day  
 Instr: TJA 61E Trace  
 Sample: 090996A  
 Data File: MPO 9/12A  
 Analyst: Mike P. [unclear]  
 Batch No.: 2105, 2104  
 Raw Data w/: 2105, 2104  
 Reviewed By: \_\_\_\_\_

Standard Id.	LRI Lot No.
STD1-BLANK	STD1-Blank/090396
STD2	STD2=090396
STD3	STD3090996
STD4	
STD5	
ICV/CCV	ICV/CCV 091196
ICB/CCB	ICB/CCB 090396
HIGH STD	
ICSA	ICSA-092196
ICSAB CLP	ICSAB CLP-092596
ICSAB SW846	
CRI CLP	CRI CLP 092196
CRI SW846	
10XPOL	
100XPOL	
IDL SOLN	
AUTOIECAL	
AUTOIECCA	
AUTOIECMg	
AUTOIECFE	

Sample Id.	Batch No.	Cup No.	Matrix	Factors			Elements
				Prep	Instr	Final	
ICV-1		2-1			10		
ICB-1		2-2					
CCV-1-1		2-3					
CCB-1-1		2-4					
<del>CCV-1-1</del>		2-5					
1-AUTOIECAL							
2-AUTOIECCA							
3-AUTOIECMg							
4-AUTOIECFE							
5-CRI-1-1		2-6			10		
6-ICSA-1-1		2-7					
7-ICSAB-1-1		2-8					
ccv ULS2		2-9					
ccb ULS3		2-10					
PKS 2103	2103	2-11	Sand	2500		2500	Ag, Cd
1 ULS-2103		2-12					
0909007		2-13	soil				
0909003		2-14					
CCV-1-2		2-15			10		
CCB-1-2		2-16					
0909001	2101	2-17	c. 1	1500		2500	Ag, Cd



Laboratory Resources Inc.  
 Division: Teterboro  
 Department: Metals

ANALYSIS RUN LOG  
 = TRACE ICP =

Date: 9/12/96  
 Analyst: M. K. Pollard

Batch No.: 2103

LRI Sample Id.	Batch No.	Cup No.	Matrix	Factors			Elements
				Prep	Instr	Final	
09090010	2103	2-18	So. 1	2000		2000	Ag, Cd
09090015		2-19				2	
0909001L		2-20			5x	10000	
09090004		2-21				2000	
09090005		2-22					
09090006		2-23					
09090007		2-24					
09090008		2-25					
09090009	↓	2-26	↓	↓		↓	↓
CLW-1-3		2-27	↓		10		
CLB-1-3		2-28			↓		
09090010	2103	2-29	So. 1	2000		2000	Ag, Cd
09090011		2-30					
09090012		2-31					
09090013		2-32					
09090014		2-33					
09090015		2-34					
09090016		2-35					
09090017		2-36					
09090018		2-37					
09090019	↓	2-38	↓	↓		↓	↓
CLW-1-4		2-39			10		
CLB-1-4		2-40			↓		
09090027	2103	2-41	So. 1	2000		2000	Ag, Cd
CRIA-1-2		2-42			10		
CRF-1-2		2-43					
ICSA-1-2		2-44					
ISAB-1-2		2-45					
CLW-1-5		2-46					
CLB-1-5		2-47					

Laboratory Resources Inc.  
 Location: Teterboro  
 Department: Metals

ANALYSIS RUN LOG  
 = TRACE ICP =

Date: 9/12/16  
 Analyst: Mike Polidori

Batch No.: 2104

LRI Sample Id.	Batch No.	Cup No.	Matrix	Factors			Elements
				Prep	Instr	Final	
PBW-2104	2104	2-40	Liquid	10		10	Ag, Cd
LSW-2104		3-1	↓				
0909020		3-2	↓				
0909021		3-3	↓				
0909022		3-4	↓				
PBS-2104		3-5	sand	2500		2000	
CLS-2104		3-6	↓				
0909023		3-7	soil				
0909023D		3-8	↓				
0909023S	✓	3-9	↓	↓		↓	↓
U-1-6		3-10				10	
CB-1-6		3-11				↓	
0909023L	2104	3-12	Soil	2000	5x	10000	Ag, Cd
0909024		3-13				2000	
0909025		3-14					
0909026		3-15					
0909028		3-16					
0909029		3-17					
0909030		3-18					
0909031		3-19					
0909032		3-20					
0909033	✓	3-21	↓	↓		↓	↓
CV-1-7		3-22				10	
CB-1-7		3-23				↓	
0909034	2104	3-24	soil	2000		2000	Ag, Cd
0909035		3-25					
0909036		3-26					
0909037		3-27					
0909038		3-28					
0909039	✓	3-29	↓	↓		↓	↓

Laboratory Resources Inc.  
 Division: Teterboro  
 Department: Metals

ANALYSIS RUN LOG  
 = TRACE ICP =

Date: 9/12/96  
 Analyst: M. Kiz Pol. dos.

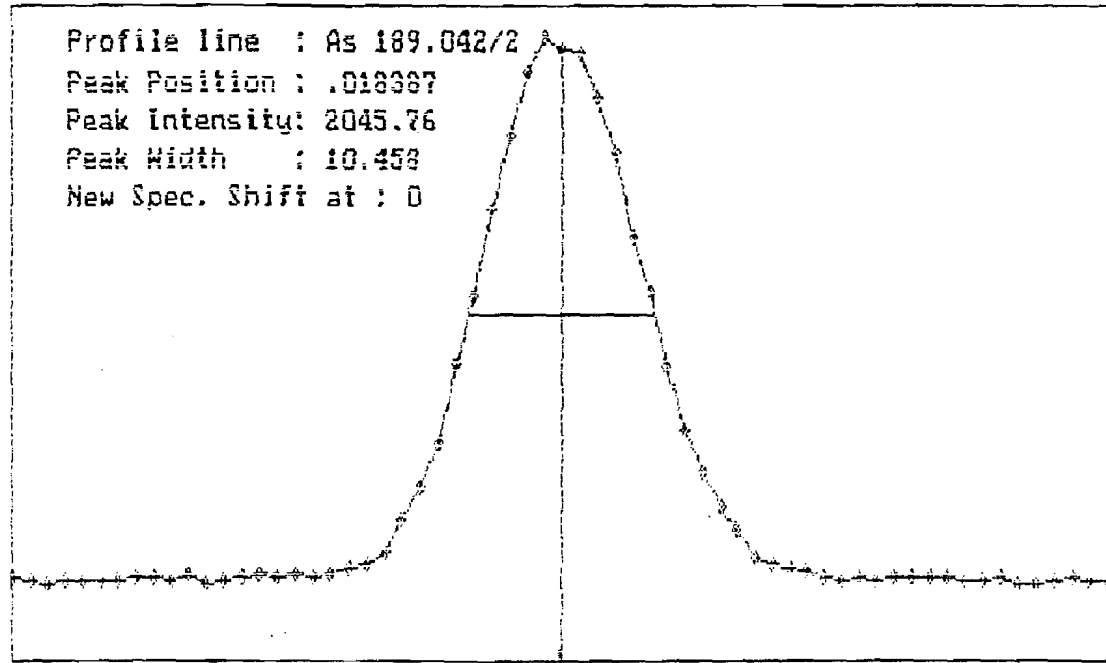
Batch No.: 2104

LRI Sample Id.	Batch No.	Cup No.	Matrix	Factors			Elements
				Prep	Instr	Final	
0900040	2104	3-30	Soil	2000		2000	Ag, Cd
CRIA-1-3		3-31					
<del>CRIA-1-3</del>	<del>MR</del>	<del>3-32</del>					
<del>ICSA-1-3</del>		<del>3-33</del>					
<del>ICSA-1-3</del>		3-34					
CLV-1-8		3-31			10		
CLB-1-6		3-34					
CRIA-1-3		3-33					
CRIA-1-3		3-34					
ICSA-1-3		3-35					
ICSA-1-3		3-36					
CLV-1-9		3-37					
CLB-1-9		3-38					

2486

Profile line : As 189.042/2  
Peak Position : .018987  
Peak Intensity: 2045.76  
Peak Width : 10.458  
New Spec. Shift at : 0

Intensity



-21

0

21

Spectrum Shifter Position

Method: LRI

Standard: STD1-Blank

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avge	-.0046	.0123	-.0012	.0011	.0006	-.0133	.0101
SDev	.0001	.0002	.0045	.0005	.0006	.0001	.0003
%RSD	2.633	1.347	378.0	47.85	90.79	.6009	3.165
#1	-.0048	.0121	.0040	.0016	.0012	-.0133	.0105
#2	-.0046	.0124	-.0044	.0011	.0000	-.0134	.0099
#3	-.0045	.0124	-.0031	.0005	.0006	-.0132	.0100
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Avge	.0002	.0001	.0001	.0027	.0007	.8659	.0006
SDev	.0001	.0003	.0001	.0001	.0007	.0024	.0001
%RSD	91.66	341.0	114.6	4.828	108.1	.2820	22.09
#1	.0002	-.0001	.0001	.0027	.0013	.8631	.0004
#2	.0000	.0000	.0000	.0025	-.0001	.8667	.0006
#3	.0003	.0004	.0003	.0027	.0009	.8678	.0007
Elem	Mn2576	Mo2020	Na3302	Ni2316	Z203-1	Z203-2	Pb2203
Avge	.0001	.0000	-.0001	.0004	.0077	-.0052	.0004
SDev	.0000	.0001	.0028	.0001	.0069	.0054	.0000
%RSD	21.66	347.0	2468.	12.43	89.47	103.4	.0745
#1	.0001	.0000	-.0001	.0004	.0008	-.0049	.0004
#2	.0001	-.0000	-.0029	.0003	.0146	.0000	.0004
#3	.0001	.0000	.0027	.0004	.0078	-.0108	.0004
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Avge	.0004	.0003	-.0040	.0048	.0002	.0008	-.0067
SDev	.0000	.0006	.0051	.0042	.0002	.0002	.0017
%RSD	.0745	209.3	125.9	85.97	98.96	22.71	25.32
#1	.0004	.0006	-.0011	.0091	.0001	.0007	-.0074
#2	.0004	-.0004	-.0099	.0046	.0001	.0007	-.0048
#3	.0004	.0006	-.0011	.0008	.0005	.0010	-.0079
Elem	V_2924	Zn2062					
Avge	.0001	.0008					
SDev	.0001	.0002					
%RSD	65.45	32.16					
#1	.0001	.0006					
#2	.0000	.0006					
#3	.0002	.0010					

000083

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20376	--	--	--	--	--	--
SDev	15.17674	--	--	--	--	--	--
%RSD	.0744822	--	--	--	--	--	--
#1	20390	--	--	--	--	--	--
#2	20360	--	--	--	--	--	--
#3	20379	--	--	--	--	--	--

Method: LRI

Standard: STD2

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286
Avge	.7081	1.404	.5025	9.109	2.150	.6090	.6460
SDev	.0024	.010	.0022	.034	.006	.0025	.0015
%RSD	.3388	.6775	.4469	.3756	.2873	.4125	.2260

#1	.7080	1.403	.5008	9.094	2.148	.6082	.6453
#2	.7058	1.395	.5015	9.085	2.146	.6069	.6450
#3	.7106	1.414	.5050	9.148	2.157	.6118	.6477

Elem	Cr2677	Cu3247	Mn2576	Mo2020	Ni2316	2203-1	2203-2
Avge	.5709	.5145	.6567	.3072	.5440	4.969	4.760
SDev	.0019	.0019	.0019	.0012	.0023	.007	.024
%RSD	.3236	.3766	.2906	.4025	.4264	.1389	.5046

#1	.5700	.5136	.6562	.3061	.5430	4.968	4.743
#2	.5697	.5132	.6551	.3069	.5423	4.964	4.749
#3	.5731	.5167	.6588	.3085	.5466	4.977	4.787

Elem	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908	V_2924
Avge	.3159	1.412	1.357	.2495	.5412	.9804	.2537
SDev	.0017	.009	.012	.0008	.0019	.0058	.0008
%RSD	.5333	.6712	.8838	.3319	.3611	.5890	.2977

#1	.3145	1.402	1.350	.2497	.5404	.9808	.2537
#2	.3155	1.412	1.351	.2487	.5397	.9745	.2530
#3	.3178	1.421	1.371	.2503	.5434	.9860	.2545

Elem	Zn2062
Avge	.4487
SDev	.0015
%RSD	.3346

#1	.4483
#2	.4474
#3	.4503

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20596	--	--	--	--	--	--
SDev	56.51843	--	--	--	--	--	--
%RSD	.2744102	--	--	--	--	--	--
#1	20638	--	--	--	--	--	--
#2	20619	--	--	--	--	--	--
#3	20532	--	--	--	--	--	--



Method: LRI

Standard: STD3

Elem	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Na3302
Avge	12.82	24.11	10.38	33.12	14.19	2.948
SDev	.04	.06	.03	.13	.04	.011
%RSD	.2737	.2538	.2960	.3855	.2630	.3754

#1	12.79	24.07	10.35	33.01	14.17	2.940
#2	12.80	24.08	10.37	33.10	14.18	2.943
#3	12.86	24.18	10.41	33.26	14.24	2.960

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	20172	--	--	--	--	--	--
SDev	88.22887	--	--	--	--	--	--
%RSD	.4373756	--	--	--	--	--	--

#1	20264	--	--	--	--	--	--
#2	20165	--	--	--	--	--	--
#3	20088	--	--	--	--	--	--

Method: LRI	High std	Low std	Slope	Y-Intercept	Date standardized
Element Waven	328.068	1402.98	1402.98	6.49513	09/12/96 10:38:15
Ag3280	308.215	7815.00	7815.00	-96.1395	09/12/96 10:38:15
Al3082	189.042	711.766	711.766	.851364	09/12/96 10:38:15
As1890	249.678	1995.21	1995.21	-2.15406	09/12/96 10:38:15
Ba4934	493.409	109.791	109.791	-0.068220	09/12/96 10:38:15
Be3130	313.042	462.397	462.397	6.16490	09/12/96 10:38:15
Ca3179	317.933	4149.10	4149.10	-42.0138	09/12/96 10:38:15
Ca2265	226.502	1642.53	1642.53	-268606	09/12/96 10:38:15
Co2286	228.616	1548.20	1548.20	-126659	09/12/96 10:38:15
Cr2677	267.716	1751.93	1751.93	-229215	09/12/96 10:38:15
Cu3247	324.753	1954.52	1954.52	-5.17960	09/12/96 10:38:15
Fe2714	271.441	9631.76	9631.76	-6.61419	09/12/96 10:38:15
K_7664	766.491	3100.89	3100.89	-2684.93	09/12/96 10:38:15
Mg2790	279.078	7044.48	7044.48	-4.14892	09/12/96 10:38:15
Mn2576	257.610	1523.06	1523.06	-199327	09/12/96 10:38:15
Mo2020	202.030	3255.63	3255.63	-0.053173	09/12/96 10:38:15
Na3302	330.232	33967.0	33967.0	3.91933	09/12/96 10:38:15
Ni2316	231.604	1839.67	1839.67	-1.722233	09/12/96 10:38:15
Zn203-1	220.351	201.542	201.542	-1.56016	09/12/96 10:38:15
Zn203-2	220.352	209.778	209.778	1.10126	09/12/96 10:38:15
Pb2203	220.353	1.00000	1.00000	.000000	09/12/96 10:38:15
Se1960	196.026	1.00000	1.00000	.000000	09/12/96 10:38:15
Sb2068	206.838	3206.75	3206.75	-890921	09/12/96 10:38:15
1960-1	196.021	706.436	706.436	2.85612	09/12/96 10:38:15
1960-2	196.022	739.340	739.340	-3.56734	09/12/96 10:38:15
Sn1899	189.989	3956.16	3956.16	-905987	09/12/96 10:38:15
Tl3372	337.280	1850.65	1850.65	-1.51372	09/12/96 10:38:15
Tl1908	190.864	1016.13	1016.13	6.79796	09/12/96 10:38:15
V_2924	292.402	3943.14	3943.14	-451468	09/12/96 10:38:15
Zn2062	206.200	2233.35	2233.35	-1.68060	09/12/96 10:38:15

Slope = conc(SIR)/IR

Method: LRI

alysis Report

Thu 09-12-96 10:47:00 AM

Method: LRI Sample Name: LCV-1

Run Time: 09/12/96 10:42:27

Operator:

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	506.2	49470.	510.6	522.7	524.8	482.4	50350.
SDev	2.9	268.	2.1	3.0	2.5	2.8	275.
%RSD	.5653	.5419	.4180	.5799	.4776	.5836	.5461
#1	508.8	49610.	513.1	524.1	526.1	484.3	50520.
#2	506.8	49630.	509.3	524.8	526.4	483.8	50490.
#3	503.1	49160.	509.5	519.2	521.9	479.2	50030.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	55000.	550.0	550.0	550.0	550.0	55000.
Low	450.0	45000.	450.0	450.0	450.0	450.0	45000.
Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	488.5	490.5	508.1	519.3	49460.	48900.	48410.
SDev	2.2	2.6	3.5	3.3	277.	157.	253.
%RSD	.4521	.5329	.6983	.6447	.5609	.3213	.5223
#1	490.4	492.2	510.5	520.9	49630.	48980.	48580.
#2	489.2	491.8	509.7	521.5	49620.	49010.	48540.
#3	486.1	487.5	504.0	515.4	49140.	48720.	48120.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	550.0	550.0	550.0	55000.	55000.	55000.
Low	450.0	450.0	450.0	450.0	45000.	45000.	45000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	532.9	494.3	46920.	489.8	481.9	468.4	472.9
SDev	2.9	3.1	154.	3.7	1.7	3.4	2.5
%RSD	.5489	.6301	.3286	.7517	.3583	.7236	.5261
#1	534.5	494.1	47060.	491.7	482.1	464.7	470.5
#2	534.7	497.6	46940.	492.1	483.6	471.4	475.5
#3	529.6	491.3	46760.	485.5	480.1	469.0	472.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	550.0	550.0	55000.	550.0	55000.	55000.	550.0
Low	450.0	450.0	45000.	450.0	450.0	450.0	450.0
Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	498.7	524.1	494.2	501.0	495.7	520.2	480.8
SDev	4.0	1.1	5.1	7.9	2.8	2.5	8490
%RSD	.7970	.2100	1.024	1.581	.5615	.4893	.8333
#1	494.8	525.4	499.9	492.3	496.8	521.4	482.1
#2	502.8	523.6	492.6	507.9	497.8	522.0	484.1
	400.2	502.4	490.1	502.8	492.6	517.3	476.4

LOW	450.0	450.0		450.0	450.0	450.0
-----	-------	-------	--	-------	-------	-------

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	497.2	490.4
SDev	2.0	2.2
%RSD	.4057	.4584

#1	498.8	491.8
#2	497.8	491.5
#3	495.0	487.8

Errors	LC Pass	LC Pass
High	550.0	550.0
Low	450.0	450.0

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	20134	--	--	--	--	--	--
SDev	109.4121	--	--	--	--	--	--
%RSD	.5434194	--	--	--	--	--	--
#1	20063	--	--	--	--	--	--
#2	20079	--	--	--	--	--	--
#3	20260	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 10:51:36 AM

page 1

Method: LRI Sample Name: ICB-1  
 Run Time: 09/12/96 10:47:04  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.2798	22.92	-1.376	-.4656	.0730	.1273	6.833
SDev	.1636	1.71	2.715	.8412	.1048	.0417	2.981
%RSD	58.47	7.445	197.3	180.7	143.6	32.77	43.63
#1	-.3517	20.95	-1.441	.2803	.0711	.1398	4.355
#2	-.3953	23.94	1.370	-1.377	-.0308	.1614	6.004
#3	-.0926	23.87	-4.058	-.2996	.1788	.0808	10.14
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.1085	-.3287	-.3149	-.1897	2.313	13.03	3.985
SDev	.0004	.4910	.2259	.2540	1.258	12.83	1.591
%RSD	.3916	149.4	71.75	133.9	54.40	98.50	39.92
#1	-.1084	-.8067	-.4856	-.2196	1.379	13.88	5.821
#2	-.1090	.1744	-.0587	-.4276	1.815	-.2095	3.045
#3	-.1082	-.3539	-.4004	.0779	3.743	25.41	3.088
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.1225	.6353	-11.82	-.4819	-.5553	.7236	.2981
SDev	.0430	.1850	146.43	.5417	1.0252	.4106	.2359
%RSD	35.12	29.11	1239.	112.4	184.6	56.74	79.13
#1	.1722	.7412	40.38	-.5427	-1.389	1.197	.3366
#2	.0968	.4218	101.4	-.9906	.5895	.4732	.5124
#3	.0985	.7430	-177.2	.0876	-.8669	.5001	.0453
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.5052	.4176	-.0157	-.7502	.3847	-.10093	-.1557
SDev	2.0780	3.849	4.3160	1.7499	.5617	.1000	1.4359
%RSD	411.3	921.6	27500.	233.3	146.0	1071.0093	922.4
#1	-2.290	-1.647	-4.936	-.9690	.0592	-.0687	1.390
#2	-1.002	-1.958	1.756	-2.380	1.033	.1061	-1.449
#3	-.770	4.050	3.132	1.099	.0615	-.0654	-.4077

-10.00

Item	Units	Avg	SD	RS	Low	High	Errors	LC Pass	LC Pass	Mode	Item	Y	Waven	Avg	SD	RS	Instd
V_2924	ug/L	.1899	.2276	155.5	-5.000	50.00	LC Pass	LC Pass	*Counts	Y	371.030	20500	60.54200	.2953220	20491	#1	
Zn2062	ug/L	.0986	.2276	230.7	-60.00	20.00	LC Pass	LC Pass	NOTUSED	Y	---	---	---	---	20565	#2	
									NOTUSED	Y	---	---	---	---	20445	#3	
									NOTUSED	Y	---	---	---	---	---	---	---
									NOTUSED	Y	---	---	---	---	---	---	---
									NOTUSED	Y	---	---	---	---	---	---	---
									NOTUSED	Y	---	---	---	---	---	---	---
									NOTUSED	Y	---	---	---	---	---	---	---
									NOTUSED	Y	---	---	---	---	---	---	---
									NOTUSED	Y	---	---	---	---	---	---	---

Analysis Report

Thu 09-12-96 10:56:11 AM

Method: LRI Sample Name: CVV-1-1  
 Run Time: 09/12/96 10:51:40  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	498.8	48680.	503.1	514.8	516.3	475.6	49650.
SD	3.2	313.	5.6	1.4	2.5	3.2	321.
%RSD	.6406	.6426	1.113	.2780	.4828	.6678	.6466
#1	502.3	49040.	509.1	516.4	519.0	479.3	50010.
#2	496.2	48460.	502.2	513.9	514.1	473.5	49410.
#3	497.7	48560.	498.0	514.0	515.8	474.0	49510.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	55000.	550.0	550.0	550.0	550.0	55000.
Low	450.0	45000.	450.0	450.0	450.0	450.0	45000.
Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	481.4	482.6	500.6	511.0	48710.	48220.	47780.
SD	2.8	4.0	3.2	3.7	324.	282.	351.
%RSD	.5818	.8356	.6479	.7180	.6657	.5843	.7354
#1	484.5	487.2	503.9	514.8	49080.	48530.	48180.
#2	479.1	479.9	497.4	507.5	48490.	47970.	47530.
#3	480.6	480.6	500.3	510.5	48570.	48160.	47620.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	550.0	550.0	550.0	55000.	55000.	55000.
Low	450.0	450.0	450.0	450.0	45000.	45000.	45000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	525.0	485.7	46240.	481.3	474.7	466.2	469.0
SD	3.5	2.2	310.	1.7	4.0	2.0	2.3
%RSD	.6715	.4443	.6704	.3603	.8470	.4341	.4882
#1	529.1	487.8	46490.	483.3	479.0	466.6	470.7
#2	522.6	483.5	45890.	480.1	471.2	464.1	466.4
#3	523.4	485.9	46330.	480.6	473.8	468.1	470.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	550.0	550.0	55000.	550.0			550.0
Low	450.0	450.0	45000.	450.0			450.0
Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	492.4	514.8	483.7	496.8	491.9	512.7	472.8
SD	2.2	6.8	6.0	4.2	5.9	3.4	4.1
%RSD	.4475	1.321	1.233	.8462	1.201	.6586	.8678
#1	494.5	519.2	488.2	497.7	498.7	516.5	468.6
#2	490.1	507.0	485.9	492.2	488.6	510.2	473.1
#3	492.7	518.2	476.9	500.5	488.4	511.2	476.8

Low	450.0	450.0		450.0	450.0	450.0
-----	-------	-------	--	-------	-------	-------

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	489.2	483.7
SDev	3.6	3.5
%RSD	.7355	.7285

#1	493.3	487.7
#2	486.3	481.0
#3	488.1	482.3

Errors	LC Pass	LC Pass
High	550.0	550.0
Low	450.0	450.0

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20396	--	--	--	--	--	--
SDev	144.9701	--	--	--	--	--	--
%RSD	.7107888	--	--	--	--	--	--
#1	20242	--	--	--	--	--	--
#2	20530	--	--	--	--	--	--
#3	20415	--	--	--	--	--	--



Analysis Report

Thu 09-12-96 11:00:45 AM

page 1

Method: LRI Sample Name: CCB-1-1  
 Run Time: 09/12/96 10:56:15  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.3382	19.18	-1.435	.3464	.2252	.1092	97.48
SDev	.1004	1.65	1.752	.9911	.0862	.0032	.44
%RSD	29.68	8.603	122.1	286.1	38.29	2.949	.4500
#1	-.2654	20.24	.5403	1.439	.1723	.1105	97.13
#2	-.4527	17.28	-2.044	.0960	.3248	.1116	97.34
#3	-.2965	20.02	-2.802	-.4954	.1787	.1056	97.97
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.0280	-.2776	.0564	-.3742	4.529	20.01	22.36
SDev	.0806	.1993	.1311	.5269	3.312	8.47	1.59
%RSD	287.9	71.79	232.3	140.8	73.12	42.34	7.121
#1	-.0292	-.5036	-.0585	.0515	7.452	11.45	20.54
#2	.0532	-.2027	.0286	-.9635	5.203	28.39	23.48
#3	-.1080	-.1267	.1992	-.2107	.9320	20.20	23.06
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.0978	.2119	114.5	-.8412	.6768	1.012	.9007
SDev	.0011	.3674	7.9	.6303	1.903	1.685	1.535
%RSD	1.133	173.4	6.858	74.92	281.1	166.5	170.4
#1	.0966	.4222	119.6	-1.439	-1.400	.6762	-.0147
#2	.0987	.4257	105.5	-.9026	1.093	-.4799	.0442
#3	.0980	-.2124	118.5	-.1825	2.337	2.840	2.673
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-1.213	-.6288	-.5349	-1.552	.1298	.0541	4.503
SDev	1.390	2.4646	2.2617	1.989	.9302	.1096	.527
%RSD	114.6	392.0	422.8	128.1	716.5	202.7	11.71
#1	-2.342	2.204	-2.921	-2.053	-.9195	-.0725	3.918
#2	.3399	-2.279	-.2616	.6396	.8531	.1196	4.941
#3	-1.636	-1.842	1.578	-3.242	.4559	.1151	4.649

000095

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge -.2596 1.410  
 SDev .3323 .155  
 %RSD 128.0 11.00

#1 .1241 1.579  
 #2 -.4515 1.275  
 #3 -.4513 1.376

Errors LC Pass LC Pass  
 High 50.00 20.00  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	20464	---	---	---	---	---	---
SDev	75.79797	---	---	---	---	---	---
%RSD	.3704027	---	---	---	---	---	---
#1	20545	---	---	---	---	---	---
#2	20395	---	---	---	---	---	---
#3	20451	---	---	---	---	---	---

Analysis Report

Thu 09-12-96 11:05:20 AM

page 1

Method: LRI Sample Name: CR1A-1-1 Operator:  
 Run Time: 09/12/96 11:00:49  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.0290	423.6	9.996	1013.	10.24	.0256	437.5
SDev	.1972	3.3	.842	3.	.09	.0204	3.4
%RSD	679.6	.7815	8.423	.2537	.8565	79.74	.7829
#1	-.1334	419.8	9.105	1011.	10.15	.0434	439.1
#2	-.1521	425.1	10.78	1012.	10.32	.0033	439.8
#3	.1985	425.9	10.10	1016.	10.25	.0303	433.5
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High		520.0	15.60	1300.	13.00		520.0
Low		280.0	8.400	700.0	7.000		280.0
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	5.873	-.3842	-.0534	-.2425	200.7	2278.	407.6
SDev	.223	.3080	.0866	.3011	6.4	6.	.9
%RSD	3.792	80.17	162.0	124.1	3.180	.2562	.2146
#1	5.621	-.6632	-.1401	-.5712	193.5	2274.	407.1
#2	6.042	-.4356	.0332	.0200	202.7	2285.	407.2
#3	5.957	-.0537	-.0534	-.1764	205.8	2276.	408.6
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	7.800				260.0	2600.	520.0
Low	4.200				140.0	1400.	280.0
Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.0379	49.32	1766.	-.5102	-2.136	2.577	1.008
SDev	.0435	.79	44.	.4997	2.604	.256	.696
%RSD	114.8	1.610	2.519	97.95	121.9	9.946	69.06
#1	-.0630	48.50	1809.	-.9939	-3.312	2.702	.6998
#2	.0123	50.08	1720.	.0041	.8484	2.283	1.806
#3	-.0630	49.40	1769.	-.5408	-3.945	2.748	.5196
Errors	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		65.00	2600.				
Low		35.00	1400.				
Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.7660	.4200	.1358	1.080	98.41	101.7	1.286
SDev	.6946	3.527	3.525	.900	1.33	.4	9.824
%RSD	90.68	839.8	2597.	83.32	1.349	.3530	420.3
#1	.3714	-2.909	-3.096	2.102	98.57	101.3	1.413
#2	1.568	.0533	3.895	.4059	99.65	102.0	-4.452
#3			-3.913	.7324	97.01	101.9	7.197

Low 70.00 70.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	-.0680	.0317
SDev	.1944	.1684
%RSD	286.1	531.3

#1	-.2625	.0656
#2	-.0677	.1806
#3	.1264	-.1511

Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20286	--	--	--	--	--	--
SDev	29.70410	--	--	--	--	--	--
%RSD	.1464290	--	--	--	--	--	--
#1	20319	--	--	--	--	--	--
#2	20262	--	--	--	--	--	--
#3	20276	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 11:09:55 AM

page 1

Method: LRI Sample Name: CR1-1-1  
 Run Time: 09/12/96 11:05:24  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	23.15	34.73	17.23	1.783	.2106	8.851	19.42
SDev	.25	3.87	.43	.444	.0331	.031	3.04
%RSD	1.067	11.15	2.477	24.91	15.71	.3522	15.67

#1	22.98	36.91	17.67	2.268	.1756	8.815	22.71
#2	23.04	37.03	16.82	1.396	.2146	8.871	18.85
#3	23.43	30.26	17.19	1.687	.2414	8.867	16.71

Errors	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	26.00		26.00			13.00	
Low	14.00		14.00			7.000	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	8.826	91.55	23.77	49.28	56.63	32.02	.9730
SDev	.144	.55	.31	.18	11.40	5.90	1.227
%RSD	1.637	.5974	1.286	.3701	20.13	18.42	126.1

#1	8.969	92.18	23.46	49.17	69.51	25.46	1.081
#2	8.680	91.30	24.07	49.19	47.85	36.87	2.143
#3	8.829	91.17	23.78	49.49	52.53	33.74	-.3046

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	13.00	130.0	26.00	65.00			
Low	7.000	70.00	14.00	35.00			

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	28.30	.4299	-46.39	79.19	4.675	7.019	6.239
SDev	.12	.4263	85.38	.67	1.890	.466	.510
%RSD	.4161	99.16	184.0	.8404	40.43	6.644	8.172

#1	28.21	.5896	11.84	79.36	3.364	6.865	5.700
#2	28.25	.7533	-6.620	79.76	6.841	6.649	6.713
#3	28.43	-.0532	-144.4	78.46	3.819	7.542	6.303

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass
High	39.00			104.0			7.800
Low	21.00			56.00			4.200

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	10.24	120.4	7.958	11.38	-.7887	-.0491	18.12
SDev	1.33	5.1	1.950	2.50	1.6491	.1609	3.69
%RSD	13.00	4.244	24.50	21.95	209.1	327.7	20.35

#1	11.18	115.9	5.819	13.86	1.059	-.1436	L13.93
#2	8.718	126.0	8.420	8.866	-1.314	.1367	18.58
#3	10.82	119.2	9.636	11.41	-2.111	-.1404	20.86

Analysis Report

Thu 09-12-96 11:09:55 AM

IntStd	Mode	Item	Units	Avg	SDev	%RSD	#1	#2	#3	LC Pass	High	Low
1	*Counts	V_2924	ug/L	95.43	.29	.3062	95.10	95.66	95.53	LC Pass	130.0	70.00
2	NOTUSED	ZN2062	ug/L	35.34	.49	1.388	34.89	35.25	35.86	LC Pass	52.00	28.00
3	NOTUSED											
4	NOTUSED											
5	NOTUSED											
6	NOTUSED											
7	NOTUSED											
1	Item	V_2924	ug/L	371.030	20219	38.88873	20261	20184	20213			
2	Mode	*Counts										
3	Item	Y										
4	Waven											
5	Avg	20219										
6	SDev	38.88873										
7	%RSD	.1923344										

14.00

Analysis Report

Thu 09-12-96 11:14:29 AM

page 1

Method: LRI Sample Name: IC5A-1-1  
 Run Time: 09/12/96 11:09:59  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	.2628	481500.	-1.227	-2.880	7.024	-.2702	458900.
SDev	.1305	1667.	2.279	1.327	.062	.0695	1769.
%RSD	49.66	.3462	185.8	46.06	.8831	25.71	.3854
#1	.3991	482100.	.2134	-2.571	6.996	-.3209	459900.
#2	.2505	482800.	-.0395	-1.736	7.095	-.2987	460000.
#3	.1389	479600.	-3.855	-4.334	6.981	-.1910	456900.
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	10.00	600000.	10.00		200.0	5.000	600000.
Low	-10.00	400000.	-10.00		-200.0	-5.000	400000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	-1.954	-1.411	3.508	-6.500	188500.	-109.6	502100.
SDev	.056	.573	.193	.060	567.	9.0	2022.
%RSD	2.880	40.61	5.493	.9165	.3008	8.187	.4027
#1	-1.890	-.7896	3.696	-6.432	188700.	-102.6	503300.
#2	-1.993	-1.524	3.517	-6.542	189000.	-106.5	503200.
#3	-1.980	-1.918	3.311	-6.527	187900.	-119.7	499700.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	240000.	5000.	600000.
Low	-5.000	-50.00	-10.00	-25.00	160000.	-5000.	400000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	-2.050	-.7342	-383.9	1.458	111.3	-53.96	1.063
SDev	.175	1.1181	16.3	.660	3.7	4.04	1.700
%RSD	8.536	152.3	4.248	45.25	3.306	7.478	159.9
#1	-2.242	.2877	-366.7	1.974	115.5	-58.38	-.4871
#2	-2.007	-1.928	-399.1	1.686	108.6	-53.03	.7962
#3	-1.900	-.5618	-385.9	.7148	109.7	-50.47	2.880
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	1.785	2.123	-8.673	7.006	2.302	.3557	1.464
SDev	2.495	3.954	2.778	2.360	1.402	.2909	2.056
%RSD	139.7	186.2	32.04	33.69	60.92	81.77	140.4
#1	4.648	4.897	-5.524	9.726	3.917	.4239	1.6914
#2	.6321	-2.404	-9.716	5.798	1.602	.0368	1.524
#3	.0760	3.877	-10.78	5.495	1.387	.6065	3.488

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062
Units ug/L ug/L
Avge -2.990 -.1318
SDev .627 .3132
%RSD 20.98 237.7

#1 -3.672 -.3680
#2 -2.859 -.2509
#3 -2.438 .2235

Errors LC Pass LC Pass
High 50.00 20.00
Low -50.00 -20.00

Table with 8 columns: IntStd, Mode, Elem, Wavlen, Avge, SDev, %RSD, and sample numbers #1-#3. Values include counts and 'NOTUSED' for most parameters.



Method: LRI  
 Run Time: 09/12/96 11:14:33  
 Comment:  
 Mode: CONC Corr. Factor: 1

Sample Name: LCSAB-1-1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	189.9	484900.	86.54	1.022	497.2	458.3	464400.
SDev	.4	1078.	3.38	.918	1.1	.9	1355.
%RSD	.2026	.2224	3.901	89.83	.2184	.1930	.2916
#1	190.0	485700.	89.48	1.557	497.6	458.9	465500.
#2	190.2	485300.	87.27	1.547	497.9	458.7	464900.
#3	189.5	483700.	82.85	-.0381	495.9	457.3	462900.
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	240.0	600000.	120.0		600.0	600.0	600000.
Low	160.0	400000.	80.00		400.0	400.0	400000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	887.2	447.1	514.6	519.7	196500.	-126.3	495700.
SDev	2.0	1.4	1.5	.6	478.	15.2	1144.
%RSD	.2243	.3098	.2890	.1143	.2435	12.07	.2307
#1	888.8	447.5	515.7	519.4	196800.	-114.0	495600.
#2	887.9	448.2	515.1	520.3	196700.	-121.6	496200.
#3	885.0	445.5	512.9	519.2	196000.	-143.4	494400.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1200.	600.0	600.0	600.0	240000.	5000.	600000.
Low	800.0	400.0	400.0	400.0	160000.	-5000.	400000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	456.7	.8590	-285.3	907.9	156.3	-7.756	46.89
SDev	1.1	.7900	50.8	2.9	5.8	5.468	1.94
%RSD	.2487	91.97	17.81	.3178	3.681	70.50	4.138
#1	457.6	1.321	-238.5	911.2	162.6	-14.07	44.77
#2	457.0	-.0532	-278.0	907.1	155.0	-4.570	48.58
#3	455.4	1.310	-339.4	905.6	151.3	-4.628	47.31
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	600.0		5000.	1200.			60.00
Low	400.0		-5000.	800.0			40.00
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	51.03	631.3	34.57	59.24	1.494	6.884	96.74
SDev	2.32	1.5	2.67	4.75	.553	.281	5.31
%RSD	4.549	.2360	7.726	8.020	37.01	3.353	5.492
#1	48.36	632.8	37.56	53.76	.8693	6.978	90.81
#2	52.62	631.3	33.74	62.04	1.921	7.054	101.1
#3	52.41	629.8	32.42	61.93	1.691	6.621	98.34

6.978103

Analysis Report

Thu 09-12-96 11:51:12 AM

Method: LRI Sample Name: CVV-1-2  
 Run Time: 09/12/96 11:46:41 Operator:  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	502.7	49130.	504.5	516.7	524.3	476.8	49540.
SDev	2.2	239.	5.3	5.5	2.6	2.2	264.
%RSD	.4333	.4864	1.044	1.055	.4894	.4702	.5320
#1	500.8	48930.	503.9	510.8	522.1	475.0	49310.
#2	502.2	49060.	499.6	517.9	523.7	476.1	49470.
#3	505.1	49400.	510.1	521.5	527.1	479.3	49830.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	55000.	550.0	550.0	550.0	550.0	55000.
Low	450.0	45000.	450.0	450.0	450.0	450.0	45000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	482.1	483.8	502.3	520.7	48690.	48720.	47630.
SDev	2.2	2.3	2.4	3.0	245.	231.	223.
%RSD	.4611	.4745	.4876	.5791	.5037	.4742	.4685
#1	480.4	482.3	500.4	518.0	48500.	48530.	47460.
#2	481.4	482.7	501.4	520.3	48600.	48650.	47550.
#3	484.6	486.4	505.0	524.0	48960.	48970.	47890.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	550.0	550.0	550.0	55000.	55000.	55000.
Low	450.0	450.0	450.0	450.0	45000.	45000.	45000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	524.6	487.9	46880.	483.5	474.0	467.5	469.7
SDev	2.5	3.8	113.	2.1	1.4	5.2	3.9
%RSD	.4695	.7765	.2421	.4278	.2918	1.119	.8371
#1	522.8	485.7	46830.	481.7	472.7	461.6	465.3
#2	523.6	485.8	46800.	483.2	474.0	469.2	470.8
#3	527.4	492.3	47010.	485.8	475.5	471.7	473.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	550.0	55000.	550.0	55000.	55000.	55000.
Low	450.0	450.0	45000.	450.0	45000.	45000.	450.0

Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sr1899	Th3372	Th1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	491.8	525.6	481.4	497.0	490.9	517.0	479.8
SDev	6.4	4.9	2.1	8.5	.7	2.5	5.6
%RSD	1.301	.9247	.4456	1.720	.1405	.4862	1.168
#1	486.5	521.6	479.3	490.1	490.9	515.0	471.7
#2	490.0	524.1	481.3	494.4	491.5	516.3	483.1
#3	498.9	531.0	483.6	506.6	490.2	519.8	483.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	550.0	550.0	55000.	550.0			550.0
Low	450.0	450.0	45000.	450.0			450.0

Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sr1899	Th3372	Th1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	491.8	525.6	481.4	497.0	490.9	517.0	479.8
SDev	6.4	4.9	2.1	8.5	.7	2.5	5.6
%RSD	1.301	.9247	.4456	1.720	.1405	.4862	1.168
#1	486.5	521.6	479.3	490.1	490.9	515.0	471.7
#2	490.0	524.1	481.3	494.4	491.5	516.3	483.1
#3	498.9	531.0	483.6	506.6	490.2	519.8	483.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	550.0	550.0	55000.	550.0			550.0
Low	450.0	450.0	45000.	450.0			450.0

Low 40.00 480.0 80.00

Elem V\_2924 Zn2062
Units ug/L ug/L
Avge 488.8 840.3
SDev 1.1 2.5
%RSD .2303 .3007

#1 488.4 841.6
#2 490.1 842.0
#3 487.9 837.4

Errors LC Pass LC Pass
High 600.0 1200.
Low 400.0 800.0

Table with 8 columns: IntStd, Mode, \*Counts, and 7 numbered columns. Rows include Elem (Y), Wavlen (371.030), Avge (19026), SDev (75.94076), %RSD (.3991421), and sample numbers #1-#3.



Analysis Report

Thu 09-12-96 11:23:38 AM

page 2

Low	950.0	950.0	950.0	950.0	950.0
-----	-------	-------	-------	-------	-------

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	1005.	998.8
SDev	5.	6.6
%RSD	.5184	.6571

#1	999.0	991.7
#2	1006.	1000.
#3	1009.	1005.

Errors	LC Pass	LC Pass
High	1050.	1050.
Low	950.0	950.0

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20118	--	--	--	--	--	--
SDev	76.83966	--	--	--	--	--	--
%RSD	.3819385	--	--	--	--	--	--

#1	20199	--	--	--	--	--	--
#2	20046	--	--	--	--	--	--
#3	20110	--	--	--	--	--	--

000106

Analysis Report

Thu 09-12-96 11:28:14 AM

Method: LRI  
Sample Name: LCCS3  
Run Time: 09/12/96 11:23:43  
Comment:  
Mode: CONC Corr. Factor: 1

Operator:

Item	Units	Avg	SDev	%RSD	Errors	High	Low
Ag3280	ug/L	-0.527	1.9451	124.	101400.	124.	1.046
As1890	ug/L	-8.181	1.7794	498.6	101400.	-1.563	1.732
Ba2496	ug/L	-1.563	1.7794	498.6	101400.	-1.563	1.732
Ba4934	ug/L	1.732	1.7794	498.6	101400.	1.732	1.732
Be3130	ug/L	-0.416	1.0188	150.	100100.	-0.416	1.0188
Ca3179	ug/L	1.00100.	1.1497	99890.	100100.	1.00100.	1.1497
#1		-8.451	101200.	-7.018	-8.485	1.744	-0.344
#2		-3.064	101400.	-8.485	1.764	1.688	-0.630
#3		.9933	101400.	-9.042	-8.338	1.688	-0.274
Errors							
High							
Low							
Item	Units	Avg	SDev	%RSD	Errors	High	Low
Ca2265	ug/L	-9.513	1.0877	1555	100800.	182.	1.42
Cr2677	ug/L	2.889	1.60	333	100800.	1.833	18.15
Cr3247	ug/L	-1.833	1.60	333	100800.	-1.833	18.15
Fe2714	ug/L	100800.	1.833	182.	100800.	1.833	18.15
K7664	ug/L	102100.	1.4391	146.	102100.	1.4391	14.59
Mg2790	ug/L	100300.	1.459	146.	100300.	1.459	14.59
#1		-8.970	-5.178	2.704	-2.075	100600.	101900.
#2		-1.053	-6.736	2.984	-1.454	100800.	102200.
#3		-9.044	-3.627	2.979	-1.970	100900.	102100.
Errors							
High							
Low							
Item	Units	Avg	SDev	%RSD	Errors	High	Low
Mn2576	ug/L	.5536	.0499	624	101800.	125.	1.227
Mo2020	ug/L	1.383	1.25	712	101800.	2.587	19.44
Na3302	ug/L	2.587	1.25	712	101800.	2.587	19.44
Ni2316	ug/L	19.44	3.43	52	19.44	4.653	4.653
Zn203-1	ug/L	-11.25	4.653	933	-11.25	-11.25	-11.25
Zn203-2	ug/L	-11.25	4.653	933	-11.25	-11.25	-11.25
LC Pass							
Errors							
High							
Low							
Item	Units	Avg	SDev	%RSD	Errors	High	Low
Se1960	ug/L	1.575	1.278	81.17	1.575	1.4134	1.4134
Sb2068	ug/L	-6.874	5.792	1.333	5.792	1.476	1.476
Tl1908	ug/L	1.8399	1.8399	1.8399	1.8399	1.8399	1.8399
Units							
Avg							
SDev							
%RSD							
#1		2.097	101800.	2.735	23.24	-11.78	-11.78
#2		1.110	101900.	1.813	16.58	-11.25	-11.25
#3		.9417	101700.	3.213	18.50	-10.73	-10.73
Errors							
High							
Low							
Item	Units	Avg	SDev	%RSD	Errors	High	Low
Se1960	ug/L	2.881	4.403	8.320	1.731	1.0843	1.0843
Sb2068	ug/L	-7.724	-4.672	2.820	2.569	2.569	2.569
Tl1908	ug/L	-2.391	-7.935	6.237	-3.006	-3.006	-3.006
Units							
Avg							
SDev							
%RSD							
#1		2.881	4.403	8.320	1.731	1.0843	1.0843
#2		4.403	-4.672	2.820	2.569	2.569	2.569
#3		-2.391	-7.935	6.237	-3.006	-3.006	-3.006
Errors							
High							
Low							

00107

LOW

Elem	v_2924	Zn2062
Units	ug/L	ug/L
Avge	-3.405	.4159
SDev	.417	.2588
%RSD	12.25	62.23

#1	-3.265	.2566
#2	-3.874	.2766
#3	-3.075	.7145

Errors	NOCHECK	NOCHECK
High		
Low		

	1	2	3	4	5	6	7
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19639	--	--	--	--	--	--
SDev	45.65450	--	--	--	--	--	--
%RSD	.2324646	--	--	--	--	--	--
#1	19687	--	--	--	--	--	--
#2	19596	--	--	--	--	--	--
#3	19635	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 11:32:49 AM

page 1

Method: LRI Sample Name: PBS-2103  
 Run Time: 09/12/96 11:28:18  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.0904	70.23	.1754	3.775	.7593	.0844	95.85
SDev	.6596	4.07	.9442	.715	.0741	.0209	2.13
%RSD	729.6	5.790	538.3	18.95	9.753	24.70	2.223
#1	.8513	73.67	-.0227	3.815	.7559	.1082	98.03
#2	-.3192	65.74	1.203	4.470	.8351	.0691	95.76
#3	-.2609	71.28	-.6541	3.041	.6871	.0760	93.77
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.0004	-.3557	.6624	.8836	25.97	-2.770	16.79
SDev	.0940	.2278	.2749	.1242	2.13	17.377	2.85
%RSD	23350.	64.05	41.50	14.06	8.215	627.2	16.98
#1	.0522	-.5828	.5448	.8592	24.58	-13.51	18.66
#2	.0555	-.3573	.4659	1.018	24.90	17.28	18.20
#3	-.1089	-.1271	.9765	.7733	28.42	-12.08	13.51
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1.425	.6423	36.35	.8788	2.907	1.332	1.857
SDev	.035	.4638	196.8	.1444	2.295	1.641	.752
%RSD	2.431	72.21	541.4	16.43	78.92	123.2	40.47
#1	1.443	.9051	-39.45	.9023	3.233	2.453	2.713
#2	1.385	.9149	259.8	1.010	5.022	-.5509	1.305
#3	1.446	.1068	-111.3	.7241	.4675	2.094	1.553
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-1.656	-3.184	-6.868	.9448	15.65	2.315	-4.016
SDev	.924	1.824	1.420	.8284	2.91	.167	1.356
%RSD	55.78	57.29	20.68	87.69	18.58	7.198	33.76
#1	-.6396	-2.286	-5.255	1.664	14.27	2.390	-2.464
#2	-1.885	-5.283	-7.929	1.131	18.99	2.430	-4.968
#3	-2.445	-1.982	-7.420	.0389	13.70	2.124	-4.617

00109



Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	-.4526	8.728
SDev	.3873	.118
%RSD	85.57	1.355

#1	-.0655	8.614
#2	-.4524	8.720
#3	-.8400	8.850

Errors	LC Pass	LC Pass
High	50.00	20.00
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20304	--	--	--	--	--	--
SDev	111.2160	--	--	--	--	--	--
%RSD	.5477542	--	--	--	--	--	--
#1	20384	--	--	--	--	--	--
#2	20177	--	--	--	--	--	--
#3	20351	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 11:37:26 AM

page 1

Method: LRI Sample Name: LCSS-2103 Operator:  
 Run Time: 09/12/96 11:32:54  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	51.20	1973.	40.16	1906.	1974.	46.04	19610.
SDev	.17	8.	1.24	6.	5.	.08	22.
%RSD	.3370	.3963	3.096	.3164	.2411	.1728	.1128
#1	51.16	1964.	38.96	1899.	1969.	45.95	19580.
#2	51.06	1975.	40.09	1909.	1977.	46.10	19630.
#3	51.39	1979.	41.44	1909.	1978.	46.06	19620.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60.00	2400.	48.00	2400.	2400.	60.00	24000.
Low	40.00	1600.	32.00	1600.	1600.	40.00	16000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	47.39	450.5	210.3	234.7	982.3	22160.	18830.
SDev	.14	1.0	.2	1.1	2.7	42.	18.
%RSD	.2908	.2122	.0978	.4544	.2774	.1917	.0951
#1	47.34	449.4	210.3	233.8	979.9	22120.	18810.
#2	47.55	450.7	210.5	234.4	981.6	22170.	18850.
#3	47.29	451.3	210.1	235.8	985.3	22200.	18830.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60.00	600.0	240.0	300.0	1200.	24000.	24000.
Low	40.00	400.0	160.0	200.0	800.0	16000.	16000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	477.8	1884.	18040.	492.7	20.89	17.96	18.93
SDev	.8	4.	59.	1.4	2.32	1.86	.98
%RSD	.1749	.1975	.3255	.2838	11.09	10.38	5.159
#1	476.9	1880.	18000.	491.5	23.55	16.79	19.04
#2	478.2	1887.	18100.	492.4	19.77	16.98	17.91
#3	478.4	1884.	18010.	494.3	19.34	20.11	19.85

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	600.0	2400.	24000.	600.0			24.00
Low	400.0	1600.	16000.	400.0			16.00

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	9.860	512.2	5.168	12.20	1889.	2013.	139.94
SDev	2.305	2.0	4.821	1.19	2.	3.0	11.16
%RSD	23.38	.3827	93.28	9.748	.1147	.1702	11.76
#1	8.535	513.6	3.381	11.11	1890.	2009.	L36.70
#2	H12.52	510.0	10.63	13.47	1891.	2015.	L37.78
#3	8.535	512.0	4.497	12.03	1887.	2015.	45.32

Low	8.000	400.0		1600.	1600.	40.00
-----	-------	-------	--	-------	-------	-------

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	498.2	453.1
SDev	1.0	.6
%RSD	.1945	.1329

#1	497.9	452.5
#2	497.5	453.7
#3	499.3	453.1

Errors	LC Pass	LC Pass
High	600.0	600.0
Low	400.0	400.0

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20261	--	--	--	--	--	--
SDev	13.52775	--	--	--	--	--	--
%RSD	.0667674	--	--	--	--	--	--
#1	20260	--	--	--	--	--	--
#2	20275	--	--	--	--	--	--
#3	20248	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 11:42:01 AM

Method: LRI Sample Name: 0908002

Operator:

Run Time: 09/12/96 11:37:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	9.058	42400.	10.29	6.378	79.48	2.128	449.6
SDev	.137	156.	3.08	2.318	.28	.028	2.2
%RSD	1.516	.3685	29.90	36.35	.3521	1.294	.4806

#1	8.955	42570.	10.19	8.998	79.80	2.097	452.1
#2	9.005	42280.	7.265	5.544	79.33	2.148	448.6
#3	9.214	42340.	13.42	4.592	79.31	2.140	448.1

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1.771	44.44	52.72	35.97	69310.	2279.	6540.
SDev	.206	.43	.50	.25	238.	19.	24.
%RSD	11.62	.9648	.9448	.6906	.3436	.8550	.3659

#1	1.966	44.80	53.14	36.01	69580.	2301.	6566.
#2	1.790	44.56	52.17	36.19	69120.	2265.	6519.
#3	1.556	43.97	52.86	35.70	69230.	2270.	6535.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1300.	1.789	-96.83	30.36	29.43	17.64	21.57
SDev	4.	.189	22.81	.53	1.05	.90	.65
%RSD	.3217	10.57	23.56	1.749	3.575	5.105	3.036

#1	1305.	2.008	-103.3	30.55	30.62	17.30	21.73
#2	1297.	1.679	-115.7	30.77	29.06	18.66	22.13
#3	1298.	1.682	-71.48	29.76	28.62	16.97	20.85

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sr1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	2.025	2.393	-9.283	7.669	26.72	1694.	-2.880
SDev	.971	2.027	3.324	2.634	.75	5.	4.189
%RSD	47.97	84.70	35.80	34.34	2.806	.2985	109.179

#1	.9985	.0947	-9.186	6.083	27.40	1700.	.5539
#2	2.930	3.924	-12.65	10.71	26.84	1690.	-4.392
#3	2.442	2.459	-6.009	6.216	25.91	1693.	-4.807

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 87.68 81.45  
 SDev .50 .30  
 %RSD .5733 .3636

#1 88.16 81.72  
 #2 87.16 81.13  
 #3 87.70 81.50

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20618	--	--	--	--	--	--
SDev	75.18643	--	--	--	--	--	--
%RSD	.3646641	--	--	--	--	--	--
#1	20534	--	--	--	--	--	--
#2	20679	--	--	--	--	--	--
#3	20641	--	--	--	--	--	--

alysis Report

Thu 09-12-96 11:46:36 AM

Method: LRI Sample Name: 0908003  
Run Time: 09/12/96 11:42:05  
Comment:  
Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	1141.	35460.	39.89	8.920	281.3	1.326	2040.
SDev	3.	93.	.60	.200	.8	.015	6.
%RSD	.2698	.2615	1.502	2.241	.2750	1.112	.2968

#1	1142.	35520.	39.28	9.104	281.6	1.309	2043.
#2	1143.	35510.	39.91	8.949	281.9	1.334	2044.
#3	1137.	35350.	40.48	8.707	280.4	1.335	2033.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	33.30	9.730	49.57	74.91	40350.	1462.	4191.
SDev	.21	.132	.33	.55	115.	17.	13.
%RSD	.6298	1.361	.6612	.7369	.2846	1.156	.3206

#1	33.06	9.683	49.62	75.26	40380.	1477.	4194.
#2	33.42	9.627	49.87	75.21	40450.	1464.	4203.
#3	33.42	9.879	49.22	74.28	40230.	1444.	4176.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
Avg	286.2	1.304	15.96	22.09	57.62	48.82	51.75
SDev	.7	.479	40.06	.43	.88	1.68	.85
%RSD	.2490	36.76	251.0	1.926	1.525	3.445	1.649

#1	286.7	1.205	61.45	22.56	56.65	50.35	52.45
#2	286.5	1.824	.5046	21.74	58.38	47.02	50.80
#3	285.4	.8813	-14.08	21.98	57.82	49.11	52.01

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sn1899	Ti3372	W11908
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	.5429	1.928	-7.871	4.743	19.65	1034.	-1.763
SDev	.5810	.682	1.667	1.696	.05	3.	2.625
%RSD	107.0	35.35	21.18	35.76	.2573	.2501	148.8

#1	1.205	1.339	-9.796	6.697	19.63	1035.	-2.326
#2	.1197	1.772	-6.948	3.648	19.61	1036.	1.097
#3	.3037	2.675	-6.870	3.885	19.71	1031.	-4.061

20115

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 71.73 104.0  
 SDev .85 .6  
 %RSD 1.184 .6119

#1 72.23 104.6  
 #2 72.22 103.9  
 #3 70.75 103.4

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20803	--	--	--	--	--	--
SDev	102.5687	--	--	--	--	--	--
%RSD	.4930554	--	--	--	--	--	--
#1	20698	--	--	--	--	--	--
#2	20807	--	--	--	--	--	--
#3	20903	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 11:51:12 AM

page 1

Method: LRI Sample Name: CCV-1-2  
 Run Time: 09/12/96 11:46:41  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	502.7	49130.	504.5	516.7	524.3	476.8	49540.
SDev	2.2	239.	5.3	5.5	2.6	2.2	264.
%RSD	.4333	.4864	1.044	1.055	.4894	.4702	.5320
#1	500.8	48930.	503.9	510.8	522.1	475.0	49310.
#2	502.2	49060.	499.6	517.9	523.7	476.1	49470.
#3	505.1	49400.	510.1	521.5	527.1	479.3	49830.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	55000.	550.0	550.0	550.0	550.0	55000.
Low	450.0	45000.	450.0	450.0	450.0	450.0	45000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	482.1	483.8	502.3	520.7	48690.	48720.	47630.
SDev	2.2	2.3	2.4	3.0	245.	231.	223.
%RSD	.4611	.4745	.4876	.5791	.5037	.4742	.4685
#1	480.4	482.3	500.4	518.0	48500.	48530.	47460.
#2	481.4	482.7	501.4	520.3	48600.	48650.	47550.
#3	484.6	486.4	505.0	524.0	48960.	48970.	47890.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	550.0	550.0	550.0	55000.	55000.	55000.
Low	450.0	450.0	450.0	450.0	45000.	45000.	45000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	524.6	487.9	46880.	483.5	474.0	467.5	469.7
SDev	2.5	3.8	113.	2.1	1.4	5.2	3.9
%RSD	.4695	.7765	.2421	.4278	.2918	1.119	.8371
#1	522.8	485.7	46830.	481.7	472.7	461.6	465.3
#2	523.6	485.8	46800.	483.2	474.0	469.2	470.8
#3	527.4	492.3	47010.	485.8	475.5	471.7	473.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	550.0	550.0	55000.	550.0			550.0
Low	450.0	450.0	45000.	450.0			450.0
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	491.8	525.6	481.4	497.0	490.9	517.0	479.8
SDev	6.4	4.9	2.1	8.5	.7	2.5	5.6
%RSD	1.301	.9247	.4456	1.720	.1405	.4862	1.168
#1	486.5	521.6	479.3	490.1	490.9	515.0	471.7
#2	490.0	524.1	481.3	494.4	491.5	516.3	483.1
#3				506.6	490.2	519.8	483.1



Item	Units	Avg	Stdv	RMSD	#1	#2	#3	LC Pass	High	Low	Intstd	Mode	Item	Waven	Avg	Stdv	RMSD	#1	#2	#3
V_2924	ug/L	489.4	2.0	.4133	487.5	489.1	491.5	LC Pass	550.0	450.0	1	*Counts	Y	371.030	19942	74.66592	.3744154	19972	19997	19857
ZN2062	ug/L	480.1	2.8	.5814	478.3	478.7	483.4	LC Pass	550.0	450.0	2	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
											3	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
											4	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
											5	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
											6	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
											7	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Analysis Report

Thu 09-12-96 11:55:46 AM

page 1

Method: LRI Sample Name: CCB-1-2

Operator:

Run Time: 09/12/96 11:51:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.1164	28.18	1.570	-.5706	.0606	.0408	2.236
SDev	.0726	3.35	1.314	.7121	.0955	.0259	1.257
%RSD	62.38	11.88	83.72	124.8	157.6	63.57	56.22

#1	-.1106	28.19	1.1802	.0213	.1603	.0690	3.637
#2	-.0469	24.83	2.792	-.3724	.0516	.0179	1.208
#3	-.1917	31.53	1.736	-1.361	-.0301	.0355	1.862

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.0516	-.2291	-.1424	-.8488	2.464	24.79	5.634
SDev	.1689	.0886	.5428	.2761	11.60	2.06	3.101
%RSD	327.4	38.67	381.1	32.53	470.6	8.310	55.04

#1	.1378	-.2803	.2920	-.5300	9.619	26.36	8.073
#2	-.1062	-.1268	.0317	-1.010	8.686	25.56	6.686
#3	-.1864	-.2802	-.7509	-1.006	-10.91	22.46	2.144

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
Avg	.0271	.1618	-56.78	-.5092	1.402	.4100	.7407
SDev	.0752	.6720	114.25	.2299	.530	1.585	1.219
%RSD	277.3	415.4	201.2	45.15	37.78	386.5	164.5

#1	.0267	.9149	-68.48	-.7222	1.298	-.6407	.0054
#2	.1025	-.0532	62.88	-.5397	.9317	-.3618	.0694
#3	-.0479	-.3764	-164.7	-.2656	1.976	2.233	2.147

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.8337	1.059	-.0288	1.264	.0804	.2610	.8986
SDev	4.037	1.368	5.9628	3.319	1.210	.2106	1.962
%RSD	484.2	129.2	20730.	262.6	1505.	80.68	2189

#1	.7650	2.570	1.875	.2101	-.5141	.5041	3.163
#2	-3.169	-.0950	-6.711	-1.401	-.7177	.1387	-.2554
#3	4.905	.7021	4.750	4.982	1.473	.1401	-.2124

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
Units ug/L ug/L  
Avge -.3212 .1288  
SDev .2987 .3577  
%RSD 93.01 277.6

#1 -.0610 -.0206  
#2 -.6474 -.1299  
#3 -.2552 .5370

Errors LC Pass LC Pass  
High 50.00 20.00  
Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20159	--	--	--	--	--	--
SDev	17.50238	--	--	--	--	--	--
%RSD	.0868202	--	--	--	--	--	--
#1	20177	--	--	--	--	--	--
#2	20159	--	--	--	--	--	--
#3	20142	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 12:00:21 PM

Method: LRI  
 Run Time: 09/12/96 11:55:50  
 Comment:  
 Mode: CONC Corr. Factor: 1

Sample Name: 0908001

Operator:

Elem	Ag3280	AI3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	188.8	41570.	52.93	7.186	166.9	1.381	3063.
SDev	1.7	225.	3.83	2.191	.9	.053	18.
%RSD	.9098	.5409	7.231	30.49	.5098	3.807	.5964
#1	190.1	41750.	55.32	9.697	167.6	1.320	3075.
#2	186.8	41320.	48.51	6.204	166.0	1.408	3042.
#3	189.5	41640.	54.95	5.658	167.0	1.414	3072.
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	13.52	11.73	60.03	48.34	44140.	1198.	4743.
SDev	.14	.11	.80	.65	252.	26.	31.
%RSD	1.060	.9715	1.327	1.338	.5699	2.195	.6509
#1	13.40	11.66	60.76	48.81	44310.	1212.	4764.
#2	13.68	11.87	59.18	47.60	43850.	1168.	4707.
#3	13.47	11.68	60.14	48.62	44250.	1214.	4757.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	345.6	3.073	47.31	27.71	65.78	50.74	55.75
SDev	2.0	.684	21.02	.71	2.20	2.49	.99
%RSD	.5764	22.26	44.43	2.565	3.349	4.912	1.769
#1	347.1	3.413	53.81	27.23	63.41	53.00	56.47
#2	343.4	3.521	23.81	27.38	67.76	48.07	54.63
#3	346.5	2.286	64.32	28.53	66.18	51.16	56.16
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	2.858	-1.770	-5.621	7.091	20.88	1224.	-3.518
SDev	2.151	2.659	4.269	1.643	2.30	6.	2.427
%RSD	75.27	150.2	75.94	23.17	11.01	.5127	68.99
#1	2.795	.2059	-7.972	8.170	19.76	1229.	-1.7158
#2	.7387	-4.793	-8.198	5.200	19.35	1217.	124.956
#3	5.040	-.7240	-.6937	7.901	23.52	1226.	-4.884

Low	-5.000	-60.00					-10.00
Elem	V_2924	Zn2062					
Units	ug/L	ug/L					
Avge	80.31	91.61					
SDev	.58	.72					
%RSD	.7181	.7899					
#1	80.78	92.18					
#2	79.67	90.79					
#3	80.49	91.85					
Errors	LC Pass	LC Pass					
High	20000.	20000.					
Low	-50.00	-20.00					
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20832	--	--	--	--	--	--
SDev	148.5205	--	--	--	--	--	--
%RSD	.7129554	--	--	--	--	--	--
#1	20665	--	--	--	--	--	--
#2	20950	--	--	--	--	--	--
#3	20880	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 12:04:56 PM

Method: LRI Sample Name: 0908001D

Operator:

Run Time: 09/12/96 12:00:25

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	189.4	44340.	53.45	7.101	172.5	1.403	3432.
Stdev	.6	9.	1.01	.826	.4	.034	1.
%RSD	.3243	.0205	1.895	11.64	.2099	2.421	.0191

#1	189.0	44330.	52.40	7.087	172.1	1.371	3433.
#2	190.1	44340.	53.52	7.933	172.5	1.399	3431.
#3	189.1	44350.	54.43	6.281	172.8	1.439	3432.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	14.85	11.68	54.78	47.33	44870.	1491.	4994.
Stdev	.08	.17	.11	.22	10.	9.	1.
%RSD	.5413	1.474	.2078	.4720	.0228	.5832	.0275

#1	14.76	11.66	54.84	47.53	44860.	1491.	4995.
#2	14.90	11.87	54.85	47.09	44880.	1499.	4993.
#3	14.91	11.52	54.65	47.36	44880.	1482.	4995.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	379.8	1.864	-40.90	29.18	65.90	51.01	55.97
Stdev	.3	.446	113.07	.19	3.37	1.01	.54
%RSD	.0677	23.92	276.5	.6493	5.112	1.982	.9729

#1	379.7	1.349	54.83	29.22	69.61	50.09	56.59
#2	379.7	2.126	-11.88	29.35	65.05	50.85	55.58
#3	380.1	2.117	-165.7	28.98	63.03	52.09	55.73

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	Te60-1	Te60-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1.154	2.146	-8.027	5.738	23.74	1276.	-5.225
Stdev	2.817	1.138	3.772	4.545	.23	.	1.168
%RSD	244.0	53.00	46.99	79.22	.9750	.0202	22.35

#1	1.495	.8432	-3.679	4.078	24.01	1276.	-4.493
#2	3.785	2.656	-10.43	10.88	23.62	1276.	-6.512
#3	-1.817	2.941	-9.976	2.255	23.59	1276.	-4.232

Analysis Report

Thu 09-12-96 12:04:56 PM

page 2

-10.00

Low -5.000 -60.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 84.76 96.57  
 SDev .34 .13  
 %RSD .3986 .1308

#1 84.38 96.46  
 #2 85.02 96.55  
 #3 84.89 96.71

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20937	--	--	--	--	--	--
SDev	54.52522	--	--	--	--	--	--
%RSD	.2604252	--	--	--	--	--	--
#1	20893	--	--	--	--	--	--
#2	20920	--	--	--	--	--	--
#3	20998	--	--	--	--	--	--

alysis Report

Thu 09-12-96 12:09:31 PM

Method: LRI Sample Name: 0908001S

Operator:

Run Time: 09/12/96 12:05:01

Comment:

Mode: CONC CORR. Factor: 1

Elem	AG3280	AI3082	AS1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	246.1	50520.	90.28	1846.	2143.	46.96	22880.
SD	1.3	286.	.99	15.	12.	.30	142.
%RSD	.5390	.5655	1.097	.8129	.5601	.6462	.6196

#1	246.1	50410.	90.48	1842.	2139.	46.86	22830.
#2	244.7	50300.	89.20	1833.	2134.	46.73	22770.
#3	247.4	50840.	91.15	1863.	2157.	47.31	23040.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	CD2265	CO2286	CR2677	CU3247	Fe2714	K_7664	Mg2790
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	61.56	457.1	258.3	281.6	44440.	22890.	23900.
SD	.37	2.4	1.6	1.8	267.	140.	160.
%RSD	.6075	.5259	.6174	.6371	.6003	.6112	.6678

#1	61.52	456.0	257.7	281.3	44340.	22840.	23850.
#2	61.21	455.5	257.1	280.0	44230.	22790.	23780.
#3	61.95	459.9	260.1	283.5	44740.	23050.	24080.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	MO2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	853.2	1812.	17360.	517.8	83.63	64.53	70.89
SD	5.2	15.	90.	3.7	2.12	1.22	1.43
%RSD	.6096	.8277	.5206	.7242	2.535	1.893	2.017

#1	851.6	1805.	17280.	516.0	81.22	63.31	69.28
#2	849.0	1802.	17350.	515.2	84.48	65.75	71.99
#3	859.0	1830.	17460.	522.1	85.20	64.53	71.41

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	W13372	W11908
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	12.42	383.4	5.296	15.97	1837.	3385.	37.45
SD	1.89	2.5	2.601	1.88	12.	20.	4.59
%RSD	15.18	.6580	49.11	11.78	.6628	.5890	12.25

#1	11.06	381.1	2.442	15.36	1833.	3380.	37.10
#2	11.62	383.0	5.915	14.47	1828.	3368.	37.00
#3	11.29	386.4	7.531	18.08	1851.	3407.	42.24



Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	572.0	548.4
SDev	2.9	3.6
%RSD	.5005	.6480

#1	571.3	547.3
#2	569.5	545.6
#3	575.1	552.4

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20826	--	--	--	--	--	--
SDev	96.59710	--	--	--	--	--	--
%RSD	.4638294	--	--	--	--	--	--
#1	20755	--	--	--	--	--	--
#2	20936	--	--	--	--	--	--
#3	20787	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 12:14:06 PM

page 1

Method: LRI Sample Name: 0908001L  
 Run Time: 09/12/96 12:09:36  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	40.06	8807.	11.12	4.266	35.53	.3033	744.5
SDev	.48	30.	2.10	.656	.11	.0109	6.9
%RSD	1.188	.3438	18.92	15.38	.3109	3.596	.9271
#1	39.53	8799.	12.89	4.839	35.46	.3139	745.1
#2	40.46	8841.	8.791	3.551	35.66	.3038	751.0
#3	40.19	8782.	11.68	4.409	35.47	.2921	737.2
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	2.578	1.792	12.39	13.81	9286.	313.9	1020.
SDev	.146	.532	.31	.43	41.	9.4	6.
%RSD	5.655	29.70	2.471	3.138	.4435	3.004	.5976
#1	2.480	1.283	12.12	13.45	9279.	305.9	1020.
#2	2.509	1.748	12.33	14.30	9330.	324.3	1026.
#3	2.746	2.345	12.73	13.69	9249.	311.4	1014.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	94.03	1.884	103.8	5.563	11.72	12.39	12.17
SDev	.60	1.276	110.4	.696	2.22	.29	.55
%RSD	.6357	67.72	106.4	12.51	18.95	2.335	4.506
#1	93.82	2.763	-21.26	4.759	10.56	12.58	11.91
#2	94.71	.4206	187.8	5.971	14.28	12.06	12.80
#3	93.57	2.469	144.7	5.958	10.32	12.54	11.80
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.7096	.0429	-5.585	3.852	4.370	254.5	1.453
SDev	1.066	1.882	2.063	2.471	2.142	1.2	3.157
%RSD	150.2	4385.	36.93	64.15	49.01	.4531	217.3
#1	.9073	2.126	-7.410	5.059	5.059	254.0	1.27030
#2	1.663	-1.534	-5.998	5.487	6.082	255.9	4.127
#3	1.444	-1.480	-3.347	4.009	1.968	253.8	2.262

Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	16.83	25.75
SDev	.39	.24
%RSD	2.321	.9196

#1	16.99	25.91
#2	16.39	25.85
#3	17.12	25.47

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20693	--	--	--	--	--	--
SDev	103.1843	--	--	--	--	--	--
%RSD	.4986435	--	--	--	--	--	--
#1	20810	--	--	--	--	--	--
#2	20615	--	--	--	--	--	--
#3	20654	--	--	--	--	--	--

Method: LRI Sample Name: 0908004 Operator:  
 Run Time: 09/12/96 12:14:10  
 Comment:  
 Mode: CONC Corr. Factor: 1

Item	Units	Avg	SD	%RSD	High	Low
A3280	ug/L	1.028	.457	44.42	48950.	-10.00
A13082	ug/L	48950.	125.	15.99	8.689	-10.00
A51890	ug/L	10.84	1.90	17.53	12.84	9.050
B_2496	ug/L	80.71	.28	.3522	80.94	80.80
Ba4934	ug/L	80.71	.009	.4165	2.144	2.160
Be3130	ug/L	2.154	1.9	.2830	661.0	662.3
Ca3179	ug/L	661.0	1.9	.2830	658.9	661.8
Co2286	ug/L	33.17	.54	1.635	57.99	-200.0
Cr2677	ug/L	57.99	.42	.7254	29.67	10.00
Cu3247	ug/L	29.63	.06	.1978	29.67	-10.00
Fe2714	ug/L	77710.	236.	.3040	77450.	100000.
K_7664	ug/L	2434.	16.	.6593	2416.	10000.
Mg2790	ug/L	7201.	23.	.3234	7215.	500000.
Mn2576	ug/L	865.7	2.6	.3035	867.9	-5.000
Mo2020	ug/L	-228.4	191.2	83.74	58.34	50000.
Na3302	ug/L	31.88	.24	.7626	29.64	50000.
Ni2316	ug/L	32.59	1.34	4.101	29.64	-25.00
Ni2316	ug/L	32.59	1.34	4.101	29.64	50000.
NOCHRC						
Pb2203	ug/L	18.34	2.46	13.40	2443.	500000.
Sn1899	ug/L	32.72	7.	.3212	2443.	200000.
Ti3372	ug/L	2062.	2.454	1.20	2416.	500000.
Ti3372	ug/L	2062.	2.454	1.20	2416.	500000.
V1908	ug/L	-1.242	2.454	197.6	7215.	500000.
W1908	ug/L	-1.242	2.454	197.6	7215.	500000.
X1908	ug/L	-1.242	2.454	197.6	7215.	500000.
Y1908	ug/L	-1.242	2.454	197.6	7215.	500000.
Zn1908	ug/L	-1.242	2.454	197.6	7215.	500000.
#1		866.5	3.357	-43.28	31.64	32.13
#2		862.8	1.178	-216.6	31.88	32.94
#3		867.9	3.204	-425.2	31.12	31.88
High		20000.		400000.		50000.
Low		-15.00		-5000.		-40.00
Item						
Units						
Avg						
SD						
%RSD						
#1		3.357				
#2		1.178				
#3		3.204				
High		20000.		400000.		50000.
Low		-15.00		-5000.		-40.00
Item						
Units						
Avg						
SD						
%RSD						
#1		866.5				
#2		862.8				
#3		867.9				
High		20000.		400000.		50000.
Low		-15.00		-5000.		-40.00

LOW -5.000 -60.00 -10.00

Elem V\_2924 Zn2062
Units ug/L ug/L
Avge 98.66 78.03
SDev .47 .70
%RSD .4720 .9015

#1 98.56 78.77
#2 98.25 77.37
#3 99.17 77.95

Errors LC Pass LC Pass
High 20000. 20000.
Low -50.00 -20.00

Table with 8 columns: IntStd, Mode, Elem, wavlen, Avge, SDev, %RSD, and three unlabeled columns. Rows include #1, #2, #3 and various parameters like \*Counts, Y, 371.030, 21047, 86.43109, .4106510.

Analysis Report

Thu 09-12-96 12:23:16 PM

Method: LRI Sample Name: 0908005  
 Run Time: 09/12/96 12:18:46  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	124.8	50360.	48.42	13.21	147.5	1.699	3152.
SDev	.5	197.	3.22	.32	.6	.013	13.
%RSD	.3786	.3911	6.646	2.414	.3837	.7695	.4164
#1	125.0	50260.	44.78	13.38	147.2	1.695	3147.
#2	125.2	50590.	50.86	12.84	148.2	1.688	3167.
#3	124.3	50230.	49.64	13.41	147.2	1.713	3143.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	9.027	13.84	61.85	52.38	48980.	1801.	5760.
SDev	.261	.08	.39	.10	194.	15.	23.
%RSD	2.894	.5542	.6354	.1876	.3952	.8504	.4052

#1	9.247	13.83	61.75	52.30	48890.	1803.	5756.
#2	9.095	13.93	62.28	52.49	49200.	1816.	5785.
#3	8.738	13.77	61.51	52.34	48850.	1785.	5738.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	409.4	2.136	32.66	36.61	66.09	50.42	55.64
SDev	1.7	.484	125.0	.67	2.29	1.13	.77
%RSD	.4239	22.66	382.8	1.824	3.464	2.235	1.377

#1	408.5	1.935	-26.42	37.12	66.80	49.16	55.03
#2	411.4	1.785	176.3	36.84	67.94	50.79	56.50
#3	408.4	2.688	-51.88	35.85	63.53	51.32	55.38

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sr1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	5.170	3.136	-4.079	9.787	26.12	1372.	-1.627
SDev	1.440	1.189	6.202	2.148	1.12	5.	1.284
%RSD	27.86	37.90	152.1	21.95	4.270	.3998	78.94

#1	6.049	4.034	2.864	7.638	27.41	1369.0	13590
#2	3.508	3.585	-9.072	9.788	25.47	1378.0	11595
#3	5.954	1.788	-6.028	11.93	25.48	1368.	-2.927

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
Units ug/L ug/L  
Avge 93.39 107.1  
SDev .20 .5  
%RSD .2147 .4824

#1 93.16 106.6  
#2 93.50 107.6  
#3 93.51 107.0

Errors LC Pass LC Pass  
High 20000. 20000.  
Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21307	--	--	--	--	--	--
SDev	63.10573	--	--	--	--	--	--
%RSD	.2961691	--	--	--	--	--	--
#1	21291	--	--	--	--	--	--
#2	21254	--	--	--	--	--	--
#3	21377	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 12:27:52 PM

Method: LRI Sample Name: 0908006  
 Run Time: 09/12/96 12:23:21  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	AG3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.9033	67440.	9.710	8.016	123.2	2.979	554.8
SDev	.5574	254.	4.069	.398	.4	.046	3.1
%RSD	61.71	.3773	41.91	4.964	.3280	1.528	.5508

#1	1.061	67580.	9.686	8.366	123.3	2.938	558.0
#2	.2840	67590.	5.653	7.583	123.5	2.970	554.4
#3	1.365	67140.	13.79	8.100	122.7	3.028	551.9

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.7975	25.04	92.08	57.52	78380.	3317.	12480.
SDev	.1978	.46	.60	.29	330.	20.	57.
%RSD	24.80	1.826	.6481	.5011	.4212	.6052	.4539

#1	-.8738	25.57	92.68	57.83	78610.	3336.	12520.
#2	-.5730	24.76	92.08	57.46	78540.	3321.	12500.
#3	-.9458	24.80	91.49	57.26	78010.	3296.	12420.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	497.9	2.143	-22.36	45.92	49.39	27.93	35.08
SDev	2.2	.384	26.57	.51	2.41	1.08	.35
%RSD	.4466	17.92	118.8	1.118	4.874	3.872	1.005

#1	499.2	1.792	-47.46	45.51	52.05	26.70	35.14
#2	499.1	2.553	-25.08	46.50	48.75	28.72	35.39
#3	495.3	2.084	5.469	45.76	47.37	28.37	34.70

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	2.154	1.567	-10.39	8.417	40.01	2432.	-5.351
SDev	.591	1.043	1.92	1.649	1.61	10.0	13950
%RSD	27.44	66.58	18.45	19.59	4.030	.3907	65.96

#1	1.605	2.023	-8.270	6.535	38.28	2438.	-1.276
#2	2.077	.3732	-12.00	9.105	41.47	2438.	-7.440
#3	2.780	2.304	-10.90	9.610	40.27	2421.	-7.337



Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 140.9 131.6  
 SDev 1.0 .6  
 %RSD .7092 .4425

#1 141.9 131.8  
 #2 140.9 132.1  
 #3 139.9 131.0

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21245	--	--	--	--	--	--
SDev	81.13158	--	--	--	--	--	--
%RSD	.3818915	--	--	--	--	--	--
#1	21170	--	--	--	--	--	--
#2	21233	--	--	--	--	--	--
#3	21331	--	--	--	--	--	--

alysis Report

Thu 09-12-96 12:32:28 PM

page 1

Method: LRI Sample Name: 0908007  
 Run Time: 09/12/96 12:27:57  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	702.0	36270.	10.90	5.598	240.8	1.253	2975.
SDev	3.5	177.	1.96	1.373	1.2	.010	16.
%RSD	.5011	.4876	17.95	24.53	.4934	.8322	.5423
#1	705.8	36470.	11.44	7.153	242.1	1.260	2993.
#2	698.9	36130.	12.54	5.092	240.0	1.259	2963.
#3	701.2	36200.	8.734	4.550	240.2	1.241	2968.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	25.00	11.03	46.74	43.96	37060.	1732.	4613.
SDev	.24	.14	.08	.30	189.	21.	27.
%RSD	.9486	1.267	.1652	.6918	.5098	1.232	.5826
#1	25.27	11.15	46.82	44.27	37280.	1755.	4644.
#2	24.82	11.05	46.66	43.67	36930.	1713.	4594.
#3	24.91	10.87	46.75	43.94	36980.	1728.	4601.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	297.1	.7203	-11.89	24.11	55.46	42.77	47.00
SDev	1.4	.5592	83.63	.46	.84	.59	.67
%RSD	.4596	77.64	703.3	1.898	1.522	1.372	1.430
#1	298.6	1.189	22.92	24.55	55.80	42.95	47.23
#2	296.2	.8705	-107.3	23.64	56.09	43.25	47.53
#3	296.4	.1013	48.72	24.16	54.50	42.12	46.24

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.8981	.5716	-12.27	4.780	19.96	1007.	-3.060
SDev	2.1286	4.318	2.52	2.343	1.30	5.	1.809
%RSD	237.0	755.4	20.50	49.01	6.521	.5275	59.10
#1	1.101	-3.444	-11.48	7.380	20.96	1013.	-4.808
#2	-.6594	.0209	-10.25	4.129	18.49	1003.	-3.476
#3	-3.136	5.138	-15.09	2.832	20.42	1004.	-1.197

00134

Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	72.89	114.2
SDev	.83	.8
%RSD	1.140	.6734

#1	73.85	115.1
#2	72.47	113.7
#3	72.36	113.9

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21063	--	--	--	--	--	--
SDev	90.94138	--	--	--	--	--	--
%RSD	.4317657	--	--	--	--	--	--

#1	20967	--	--	--	--	--	--
#2	21148	--	--	--	--	--	--
#3	21073	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 12:37:04 PM

page 1

Method: LRI Sample Name: 0908008  
 Run Time: 09/12/96 12:32:33  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.6705	55010.	7.179	9.750	97.35	2.359	676.4
SDev	.6477	55.	3.173	.972	.15	.028	.5
%RSD	96.60	.1008	44.20	9.969	.1512	1.195	.0792
#1	1.261	55070.	9.583	10.19	97.50	2.346	676.9
#2	-.0225	54960.	8.372	10.42	97.35	2.340	675.8
#3	.7735	55000.	3.583	8.635	97.21	2.391	676.4
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.6782	28.30	73.66	34.29	68330.	2756.	9114.
SDev	.0849	.45	.19	.22	41.	3.	12.
%RSD	12.53	1.579	.2526	.6511	.0601	.0917	.1299
#1	.7696	27.85	73.85	34.49	68370.	2759.	9128.
#2	.6017	28.31	73.48	34.33	68290.	2755.	9109.
#3	.6633	28.74	73.63	34.05	68330.	2755.	9106.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	488.0	1.663	.8504	43.14	38.91	18.55	25.33
SDev	.5	.537	58.77	1.00	1.06	.47	.37
%RSD	.0955	32.30	6911.	2.317	2.735	2.510	1.457
#1	488.4	2.224	64.81	42.61	40.06	18.52	25.70
#2	487.5	1.610	-50.78	42.52	37.96	19.03	25.33
#3	488.1	1.154	-11.48	44.29	38.70	18.10	24.96
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	4.527	-.4749	-8.059	10.81	36.99	2169.	-2.675
SDev	2.011	4.0463	2.193	1.99	1.67	3.	2.649
%RSD	44.41	852.1	27.21	18.40	4.517	.1330	99.04
#1	5.471	-5.140	-6.415	11.40	36.82	2172.	-5.187
#2	2.219	2.085	-10.55	8.592	35.42	2167.	136.0929
#3	5.893	1.630	-7.213	12.44	38.74	2167.	-2.930

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 106.3 88.86  
 SDev .2 .19  
 %RSD .2009 .2142

#1 106.1 89.07  
 #2 106.4 88.81  
 #3 106.5 88.70

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21515	--	--	--	--	--	--
SDev	68.62458	--	--	--	--	--	--
%RSD	.3189566	--	--	--	--	--	--
#1	21442	--	--	--	--	--	--
#2	21526	--	--	--	--	--	--
#3	21578	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 12:41:39 PM

page 1

Method: LRI Sample Name: 0908009

Operator:

Run Time: 09/12/96 12:37:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1318.	36480.	29.94	10.10	878.7	1.184	20030.
SDev	5.	141.	3.03	1.00	4.3	.027	93.
%RSD	.3613	.3854	10.12	9.851	.4871	2.294	.4656

#1	1321.	36550.	26.44	9.093	881.2	1.153	20100.
#2	1322.	36570.	31.78	11.08	881.1	1.204	20070.
#3	1313.	36320.	31.59	10.13	873.7	1.196	19920.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	480.0	10.60	57.88	142.1	66680.	1451.	13490.
SDev	2.0	.56	.04	.6	306.	17.	59.
%RSD	.4180	5.261	.0691	.4206	.4595	1.164	.4356

#1	481.0	10.93	57.90	142.4	66860.	1464.	13530.
#2	481.4	9.956	57.83	142.5	66850.	1457.	13510.
#3	477.7	10.91	57.90	141.5	66330.	1432.	13420.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	520.8	3.209	53.20	29.53	57.39	51.42	53.41
SDev	2.4	1.089	106.0	.20	1.30	1.89	1.08
%RSD	.4556	33.92	199.2	.6673	2.258	3.679	2.014

#1	522.3	2.129	-55.81	29.75	56.61	50.54	52.56
#2	522.0	4.306	59.52	29.36	56.67	53.59	54.62
#3	518.0	3.192	155.9	29.49	58.88	50.13	53.05

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1.698	.0723	-12.00	8.538	20.68	1020.	-5.137
SDev	2.312	4.388	4.47	1.793	1.07	4.	2.305
%RSD	136.2	6070.	37.24	21.00	5.160	.4226	44.88

#1	2.186	-3.447	-8.858	7.698	19.97	1023.	-6.153
#2	-.8189	-1.325	-17.12	7.320	20.15	1022.000	-8.198
#3	3.727	4.484	-10.03	10.60	21.90	1015.	-6.759

Analysis Report

Thu 09-12-96 12:41:39 PM

page 2

Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	73.69	414.8
SDev	.72	1.9
%RSD	.9775	.4534

#1	74.50	415.9
#2	73.47	416.0
#3	73.11	412.7

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20957	--	--	--	--	--	--
SDev	97.16138	--	--	--	--	--	--
%RSD	.4636299	--	--	--	--	--	--
#1	20889	--	--	--	--	--	--
#2	20913	--	--	--	--	--	--
#3	21068	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 12:46:14 PM

page 1

Method: LRI Sample Name: CCV-1-3  
Run Time: 09/12/96 12:41:43  
Comment:  
Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	503.4	49070.	506.5	518.8	525.2	477.6	49530.
SDev	1.5	96.	6.3	1.4	1.1	1.1	96.
%RSD	.2940	.1954	1.245	.2656	.2113	.2221	.1941
#1	504.9	49130.	499.3	520.2	526.3	478.5	49610.
#2	501.9	48960.	509.0	517.5	524.1	476.4	49430.
#3	503.4	49110.	511.1	518.6	525.2	477.8	49560.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	55000.	550.0	550.0	550.0	550.0	55000.
Low	450.0	45000.	450.0	450.0	450.0	450.0	45000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	482.7	483.3	501.6	520.2	48670.	48760.	47640.
SDev	1.1	.7	1.3	.6	99.	83.	98.
%RSD	.2232	.1372	.2505	.1150	.2041	.1698	.2063
#1	483.5	483.7	502.4	520.4	48740.	48780.	47730.
#2	481.4	482.5	500.2	519.5	48550.	48670.	47530.
#3	483.0	483.6	502.3	520.6	48710.	48830.	47670.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	550.0	550.0	550.0	55000.	55000.	55000.
Low	450.0	450.0	450.0	450.0	45000.	45000.	45000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	524.1	490.2	46790.	485.7	473.3	467.1	469.1
SDev	1.0	1.1	92.	4.1	1.7	1.9	1.2
%RSD	.1894	.2145	.1958	.8349	.3564	.4072	.2623
#1	524.9	489.5	46890.	488.2	473.7	464.9	467.8
#2	523.0	489.7	46720.	481.0	474.8	468.0	470.2
#3	524.4	491.4	46750.	487.8	471.5	468.3	469.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	550.0	550.0	55000.	550.0			550.0
Low	450.0	450.0	45000.	450.0			450.0
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	494.0	527.1	486.4	497.8	488.3	516.8	478.0
SDev	2.6	4.5	2.4	4.8	2.7	.8	3.0
%RSD	.5206	.8619	.4847	.9695	.5532	.1477	.6251
#1	491.5	522.5	489.1	492.8	491.4	517.5	475.1
#2	493.8	527.3	484.8	498.3	486.3	516.0	481.1
#3	496.7	531.5	485.2	502.4	487.3	516.9	477.9

000140



LOW 450.0 450.0 450.0 450.0 450.0 450.0

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 488.0 478.7  
 SDev 1.5 1.0  
 %RSD .3066 .2101

#1 489.1 479.2  
 #2 486.3 477.5  
 #3 488.6 479.3

Errors LC Pass LC Pass  
 High 550.0 550.0  
 Low 450.0 450.0

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
WavLen	371.030	---	---	---	---	---	---
Avge	20258	---	---	---	---	---	---
SDev	9.165152	---	---	---	---	---	---
%RSD	.0452421	---	---	---	---	---	---

#1 20268  
 #2 20256  
 #3 20250

Method: LRI Sample Name: CCB-1-3  
 Run Time: 09/12/96 12:46:19  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.2637	36.26	.1892	.3782	.1112	.0194	1.211
SDev	.7067	1.79	1.937	1.855	.0161	.0085	.473
%RSD	268.0	4.949	1024.	490.4	14.47	43.75	39.05
#1	-.1557	38.17	.6750	1.294	.1270	.0229	1.627
#2	-.1329	36.01	-1.945	-1.756	.1120	.0255	.6964
#3	1.080	34.60	1.837	1.597	.0948	.0097	1.311
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.0521	-.2046	.0017	-.5005	2.927	23.34	.5028
SDev	.1237	.5529	.3613	.1848	3.876	9.23	.8699
%RSD	237.6	270.2	21210.	36.93	132.5	39.55	173.0
#1	-.0257	.4084	.1171	-.3537	6.234	15.54	.3745
#2	-.1868	-.6656	-.4032	-.7081	-1.339	33.53	-.2957
#3	.0563	-.3566	.2912	-.4397	3.885	20.96	1.430
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.0520	.6993	-34.24	.3097	-.7760	.8804	.3293
SDev	.0433	.1855	48.59	.3419	2.0146	.7286	.5214
%RSD	83.23	26.53	141.9	110.4	259.6	82.75	158.3
#1	.0261	.5899	8.939	.5496	.7381	1.026	.9304
#2	.0279	.5944	-24.81	-.0818	-3.062	1.525	-.0018
#3	.1020	.9135	-86.86	.4613	-.0037	.0902	.0594
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1399	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.0440	.0589	-1.623	.8755	-.3191	.2278	2.534
SDev	1.071	.9740	.485	1.839	.1992	.0877	3.323
%RSD	2434.	1653.	29.89	210.1	62.44	38.49	131.42
#1	-.4796	.8391	-1.540	.0492	-.3213	.2226	3.828
#2	-.6647	-1.033	-1.184	-.4059	-.1187	.1428	5.016
#3	1.276	.3704	-2.144	2.983	-.5172	.3180	-1.241

analysis Report

Thu 09-12-96 12:50:50 PM

page 2

Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	-.5817	.4209
SDev	.2254	.1899
%RSD	38.74	45.12

#1	-.4517	.3043
#2	-.4514	.3184
#3	-.8419	.6401

Errors	LC Pass	LC Pass
High	50.00	20.00
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20189	--	--	--	--	--	--
SDev	72.69112	--	--	--	--	--	--
%RSD	.3600531	--	--	--	--	--	--
#1	20251	--	--	--	--	--	--
#2	20109	--	--	--	--	--	--
#3	20207	--	--	--	--	--	--

000143

Analysis Report

Thu 09-12-96 12:55:26 PM

page 1

Method: LRI Sample Name: 0908010

Operator:

Run Time: 09/12/96 12:50:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1198.	31640.	21.67	7.746	1072.	1.052	21920.
SDev	2.	28.	1.32	.995	1.	.047	17.
%RSD	.1656	.0880	6.109	12.85	.0650	4.434	.0764

#1	1197.	31660.	23.19	6.651	1072.	1.003	21930.
#2	1198.	31610.	20.72	7.993	1071.	1.096	21900.
#3	1200.	31650.	21.12	8.596	1073.	1.058	21930.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	580.9	9.975	52.98	160.1	64300.	1283.	14290.
SDev	.2	.298	.47	.8	65.	10.	10.
%RSD	.0388	2.988	.8818	.4924	.1015	.7860	.0685

#1	580.9	9.687	52.47	160.9	64280.	1293.	14290.
#2	580.7	9.955	53.06	159.3	64250.	1273.	14280.
#3	581.1	10.28	53.39	160.2	64370.	1283.	14300.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	422.2	3.012	102.6	29.46	54.20	46.10	48.80
SDev	.4	.812	61.6	.95	1.95	1.92	1.21
%RSD	.1033	26.96	60.06	3.239	3.601	4.163	2.471

#1	422.0	3.704	162.6	30.15	52.66	45.15	47.65
#2	421.9	2.118	105.7	29.86	56.39	44.85	48.69
#3	422.7	3.213	39.50	28.37	53.54	48.31	50.05

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Sa1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	4.119	.9101	-7.035	9.688	18.44	887.0	.2737
SDev	2.908	1.066	1.937	3.578	1.38	.7	1.703
%RSD	70.58	117.1	27.54	36.93	7.496	.0770	622.44

#1	3.836	1.393	-8.382	9.935	18.74	887.5	-1.513
#2	7.158	1.649	-4.815	13.14	16.93	886.2	1.879
#3	1.364	-.3118	-7.908	5.992	19.64	887.3	.4545

Analysis Report

Thu 09-12-96 12:55:26 PM

page 2

Low -5.000 -60.00

-10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 62.34 468.5  
 SDev .69 .7  
 %RSD 1.100 .1434

#1 63.00 469.3  
 #2 61.64 468.2  
 #3 62.39 468.1

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20908	--	--	--	--	--	--
SDev	100.4938	--	--	--	--	--	--
%RSD	.4806475	--	--	--	--	--	--
#1	20798	--	--	--	--	--	--
#2	20995	--	--	--	--	--	--
#3	20931	--	--	--	--	--	--

000145

Analysis Report

Thu 09-12-96 01:00:02 PM

page 1

Method: LRI Sample Name: 0908011  
 Run Time: 09/12/96 12:55:31  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	8.478	48060.	6.045	6.548	83.10	1.920	558.4
SDev	14.35	65.	2.894	.557	.09	.023	1.4
%RSD	169.2	.1356	47.88	8.509	.1107	1.210	.2455

#1	.2101	48120.	9.350	7.146	83.15	1.895	560.0
#2	25.05	48060.	3.964	6.457	83.16	1.925	557.9
#3	.1781	47990.	4.820	6.042	83.00	1.940	557.4

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	-.4313	22.37	57.55	23.31	49670.	2021.	7659.
SDev	.1157	.28	.29	.22	68.	11.	12.
%RSD	26.82	1.262	.4993	.9270	.1375	.5243	.1586

#1	-.5342	22.47	57.66	23.41	49750.	2025.	7673.
#2	-.4535	22.58	57.22	23.45	49640.	2029.	7655.
#3	-.3061	22.05	57.76	23.06	49630.	2009.	7650.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	547.2	1.302	28.16	31.45	35.48	19.82	25.03
SDev	.7	.632	79.68	.47	2.49	1.21	1.16
%RSD	.1287	48.50	283.0	1.502	7.007	6.128	4.652

#1	548.0	1.672	103.0	30.91	34.62	18.48	23.85
#2	546.9	.5730	-55.65	31.65	33.54	20.84	25.07
#3	546.7	1.662	37.17	31.79	38.28	20.14	26.18

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	2.030	1.081	-6.284	6.179	27.72	1668.	.6223
SDev	.507	2.913	2.761	1.084	1.11	2.	1.551
%RSD	24.99	269.6	43.93	17.54	4.009	.1336	249.2

#1	2.602	4.390	-4.870	6.332	28.67	1670.	-1.021
#2	1.850	-1.099	-4.516	5.027	26.50	1667.	2.001
#3	1.637	-1.0488	-9.465	7.179	28.00	1666.	.8267

146

Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	91.17	79.89
SDev	.13	.54
%RSD	.1429	.6803

#1	91.02	79.59
#2	91.24	80.52
#3	91.26	79.56

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20812	--	--	--	--	--	--
SDev	59.68529	--	--	--	--	--	--
%RSD	.2867876	--	--	--	--	--	--
#1	20760	--	--	--	--	--	--
#2	20798	--	--	--	--	--	--
#3	20877	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 01:04:37 PM

page 1

Method: LRI Sample Name: 0908012  
 Run Time: 09/12/96 13:00:06  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	422.3	38350.	33.01	9.494	210.4	1.069	4761.
SDev	.7	75.	3.20	1.379	.3	.006	13.
%RSD	.1583	.1962	9.695	14.52	.1633	.5544	.2626
#1	423.0	38430.	30.30	8.860	210.8	1.063	4774.
#2	421.7	38280.	32.18	8.546	210.1	1.075	4750.
#3	422.3	38360.	36.54	11.08	210.5	1.068	4757.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	14.05	9.704	45.52	34.53	41010.	1538.	4315.
SDev	.21	.387	.21	.27	124.	6.	15.
%RSD	1.504	3.985	.4652	.7882	.3021	.4155	.3514
#1	14.27	9.412	45.76	34.60	41150.	1545.	4332.
#2	13.85	10.14	45.40	34.23	40910.	1533.	4302.
#3	14.03	9.557	45.39	34.76	40960.	1537.	4312.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	417.7	4.312	11.99	25.73	51.28	39.09	43.15
SDev	1.1	.602	78.13	.46	.95	.83	.72
%RSD	.2702	13.95	651.4	1.795	1.852	2.119	1.664
#1	418.8	5.000	-71.50	25.25	50.24	38.51	42.42
#2	416.5	3.886	83.32	26.17	51.48	40.04	43.85
#3	417.7	4.050	24.17	25.76	52.11	38.73	43.18

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	4.166	-4.056	-8.706	10.59	24.82	991.7	-2.716
SDev	.808	2.3299	5.770	2.92	1.03	2.5	2.978
%RSD	19.39	574.5	66.28	27.59	4.155	.2564	109.7
#1	5.029	-3.072	-5.130	10.10	25.13	994.3	-6.011
#2	3.427	.6189	-5.624	7.946	23.67	989.2	-1.8469
#3	4.042	1.237	-15.36	13.73	25.66	991.7	-1.489

NOCHECK NOCHECK NOCHECK NOCHECK LC Pass

148



Analysis Report

Thu 09-12-96 01:04:37 PM

Low -5.000 -60.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	77.02	88.56
SDev	.74	.32
%RSD	.9589	.3567

#1	77.85	88.87
#2	76.73	88.24
#3	76.46	88.58

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--
Avge	20636	--	--	--	--	--
SDev	23.35237	--	--	--	--	--
%RSD	.1131651	--	--	--	--	--
#1	20615	--	--	--	--	--
#2	20661	--	--	--	--	--
#3	20631	--	--	--	--	--

Analysis Report

Thu 09-12-96 01:09:12 PM

Method: LRI

Sample Name: 0908013

Operator:

Run Time: 09/12/96 13:04:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Units	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Avg	ug/L	918.7	26970.	8.166	8.208	207.4	.7701
SD	ug/L	1.4	36.	1.448	.802	.7	.0452
%RSD		.1528	.1353	17.73	9.770	.3143	5.873
#1		917.6	26930.	6.502	7.342	206.8	.7257
#2		918.2	26980.	8.850	8.358	207.2	.7686
#3		920.3	27000.	9.144	8.925	208.1	.8161
Errors	LC Pass				NOCHECK		
High	LC Pass	5000.	400000.	10000.	50000.	100000.	10000.
Low	LC Pass	-10.00	-200.0	-10.00	-5000.	-200.0	-5.000
Elem	Units	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Avg	ug/L	89.99	7.616	40.09	83.27	34160.	1261.
SD	ug/L	.43	.147	.43	.68	63.	5.
%RSD		.4796	1.934	1.071	.8130	.1841	.3725
#1		89.73	7.590	39.61	83.24	34100.	1258.
#2		89.76	7.483	40.22	82.61	34170.	1266.
#3		90.49	7.774	40.45	83.96	34220.	1258.
Errors	LC Pass						
High	LC Pass	20000.	50000.	50000.	50000.	500000.	200000.
Low	LC Pass	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.
Elem	Units	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2
Avg	ug/L	270.4	1.719	196.9	23.52	69.63	59.32
SD	ug/L	.4	.326	110.8	.28	2.17	2.16
%RSD		.1549	18.96	56.30	1.205	3.118	3.642
#1		270.1	1.828	283.6	23.73	71.84	57.31
#2		270.4	1.352	235.0	23.19	69.54	59.06
#3		270.9	1.976	71.99	23.62	67.50	61.60
Errors	LC Pass		NOCHECK				
High	LC Pass	20000.	NOCHECK	400000.	50000.	NOCHECK	NOCH
Low	LC Pass	-15.00		-5000.	-40.00		
Elem	Units	Sr1960	Sr2068	Th232-1	Th232-2	Th1899	Th13
Avg	ug/L	1.720	.1958	-3.348	4.249	19.48	904
SD	ug/L	3.108	1.733	1.307	4.009	1.20	
%RSD		180.7	885.2	39.05	94.34	6.689	.1
#1		2.099	.9709	-3.283	4.786	20.50	90
#2		-1.561	1.406	-4.686	-1.0009	19.92	90
#3		4.621	-1.790	-2.074	7.963	18.01	90

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 67.31 95.26  
 SDev .34 .64  
 %RSD .5103 .6715

#1 66.93 94.61  
 #2 67.61 95.30  
 #3 67.38 95.88

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20822	--	--	--	--	--	--
SDev	50.58656	--	--	--	--	--	--
%RSD	.2429476	--	--	--	--	--	--
#1	20764	--	--	--	--	--	--
#2	20845	--	--	--	--	--	--
#3	20857	--	--	--	--	--	--

Method: LRI Sample Name: 0908014  
 Run Time: 09/12/96 13:09:16  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	488.9	41230.	40.70	7.472	218.5	1.277	2696.
SDev	1.0	95.	2.00	.302	.7	.023	8.
%RSD	.2069	.2294	4.920	4.044	.3310	1.800	.3045

#1	488.1	41150.	39.38	7.178	217.6	1.288	2689.
#2	490.1	41330.	39.72	7.781	219.0	1.250	2705.
#3	488.6	41210.	43.01	7.456	218.7	1.292	2695.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	12.07	10.13	49.17	45.62	43080.	1434.	4913.
SDev	.13	.47	.06	.52	130.	17.	18.
%RSD	1.051	4.669	.1295	1.137	.3020	1.168	.3621

#1	12.19	10.50	49.24	45.02	42950.	1420.	4897.
#2	12.07	10.31	49.15	45.93	43210.	1453.	4932.
#3	11.94	9.599	49.12	45.92	43060.	1429.	4910.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	386.1	1.609	11.91	25.75	61.70	50.22	54.04
SDev	1.4	.628	58.77	1.31	1.65	.97	1.17
%RSD	.3579	39.03	493.6	5.070	2.679	1.939	2.168

#1	385.1	1.037	-38.90	24.27	59.85	49.11	52.69
#2	387.7	1.509	-1.655	26.29	63.04	50.60	54.75
#3	385.6	2.281	76.27	26.71	62.20	50.95	54.69

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	2.263	.6996	-6.085	6.430	17.80	1008.	-2.271
SDev	2.460	3.098	2.204	2.589	.43	3.	2.252
%RSD	108.7	442.8	36.22	40.27	2.414	.3308	152.17

#1	.2824	2.919	-7.946	4.390	18.20	1005.	-1.8119
#2	1.489	2.019	-6.659	5.556	17.34	1012.	-4.864
#3	5.016	-2.839	-3.651	9.343	17.85	1008.	-1.136

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 81.31 95.71  
 SDev .46 .43  
 %RSD .5624 .4471

#1 81.19 95.24  
 #2 81.82 96.08  
 #3 80.93 95.81

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20892	--	--	--	--	--	--
SDev	43.46646	--	--	--	--	--	--
%RSD	.2080498	--	--	--	--	--	--
#1	20909	--	--	--	--	--	--
#2	20843	--	--	--	--	--	--
#3	20925	--	--	--	--	--	--

Method: LRI Sample Name: 0908015  
 Run Time: 09/12/96 13:13:51  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1.273	39120.	7.547	9.359	89.64	2.231	766.9
SDev	.192	485.	.450	.756	1.16	.035	10.0
%RSD	15.04	1.239	5.957	8.073	1.299	1.578	1.307
#1	1.057	39030.	7.080	8.516	89.29	2.252	763.7
#2	1.421	38690.	7.976	9.975	88.70	2.252	758.9
#3	1.342	39650.	7.586	9.586	90.94	2.191	778.1
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	6.378	22.73	58.34	37.25	55770.	2099.	7480.
SDev	.097	.08	.42	.57	699.	50.	93.
%RSD	1.515	.3434	.7255	1.536	1.254	2.368	1.242
#1	6.478	22.67	58.23	37.09	55630.	2085.	7460.
#2	6.372	22.69	57.98	36.77	55160.	2059.	7398.
#3	6.285	22.81	58.81	37.88	56530.	2155.	7581.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	496.3	2.033	-70.92	36.98	31.96	17.28	22.17
SDev	6.2	1.112	65.66	.36	.57	.70	.64
%RSD	1.240	54.69	92.58	.9714	1.778	4.035	2.866
#1	494.8	2.128	-48.75	37.13	32.11	17.05	22.06
#2	491.0	.8764	-19.22	36.57	31.33	16.74	21.60
#3	503.0	3.094	-144.8	37.24	32.44	18.07	22.85
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	2.622	-.3361	-5.961	6.907	35.68	2231.	-3.571
SDev	1.262	2.1464	1.427	1.492	1.01	27.	3.644
%RSD	48.14	638.6	23.94	21.60	2.836	1.231	102.0
#1	2.877	-2.760	-6.935	7.775	35.44	2225.	-1.9749
#2	3.738	1.323	-4.323	7.763	34.80	2208.	-2.002
#3	1.252	.4288	-6.626	5.185	36.78	2262.	-7.737

00154

Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	96.85	74.79
SDev	.84	1.07
%RSD	.8657	1.430

#1	96.77	74.71
#2	96.05	73.76
#3	97.72	75.89

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20868	--	--	--	--	--	--
SDev	162.9918	--	--	--	--	--	--
%RSD	.7810735	--	--	--	--	--	--
#1	20897	--	--	--	--	--	--
#2	21014	--	--	--	--	--	--
#3	20692	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 01:22:58 PM

page 1

Method: LRI Sample Name: 0908016  
 Run Time: 09/12/96 13:18:27  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	421.3	15380.	13.27	5.138	138.7	.6669	2870.
SDev	1.0	34.	.17	1.152	.3	.0282	8.
%RSD	.2373	.2202	1.264	22.42	.1897	4.232	.2862
#1	422.2	15420.	13.42	3.813	139.0	.6503	2879.
#2	421.3	15370.	13.30	5.708	138.5	.6508	2868.
#3	420.2	15360.	13.09	5.894	138.6	.6995	2863.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7654	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	13.09	6.225	28.02	37.68	20530.	722.1	2474.
SDev	.26	.098	.31	.37	68.	7.9	7.
%RSD	2.006	1.576	1.114	.9797	.3299	1.093	.2751
#1	13.40	6.119	28.33	37.90	20610.	731.2	2480.
#2	12.95	6.243	27.70	37.25	20510.	717.1	2476.
#3	12.94	6.313	28.02	37.88	20480.	718.1	2466.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	322.9	2.248	98.93	18.04	59.37	56.85	57.69
SDev	.9	.459	88.68	.47	4.35	.67	1.15
%RSD	.2662	20.44	89.64	2.589	7.327	1.181	1.988
#1	323.8	2.779	142.9	17.77	56.91	57.58	57.36
#2	322.8	1.984	157.0	18.58	64.40	56.26	58.97
#3	322.1	1.982	-3.140	17.77	56.81	56.72	56.75

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	3.854	-1.039	-4.998	8.273	28.42	591.7	-2.919
SDev	2.035	4.213	1.597	2.812	2.08	1.6	.071
%RSD	52.80	405.5	31.96	33.98	7.313	.2721	2.421
#1	4.860	2.321	-6.180	10.37	26.19	593.20	2.997
#2	1.512	-5.766	-5.633	5.079	28.79	591.7	-2.859
#3	5.191	.3279	-3.181	9.370	30.30	590.0	-2.900

156



Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	41.60	88.99
SDev	.67	.11
%RSD	1.608	.1218

#1	41.98	88.91
#2	42.00	88.96
#3	40.83	89.12

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20755	--	--	--	--	--	--
SDev	54.14794	--	--	--	--	--	--
%RSD	.2608911	--	--	--	--	--	--
#1	20693	--	--	--	--	--	--
#2	20779	--	--	--	--	--	--
#3	20793	--	--	--	--	--	--

alysis Report

Thu 09-12-96 01:27:33 PM

Method: LRI Sample Name: 0908017

Operator:

Run Time: 09/12/96 13:23:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1356.	26720.	4.342	8.489	271.8	1.187	1242.
Stdev	6.	135.	2.019	1.692	1.1	.063	6.
%RSD	.4715	.5048	46.49	19.93	.3946	5.296	.4497

#1	1364.	26860.	2.324	8.035	272.6	1.119	1248.
#2	1351.	26600.	6.362	10.36	270.5	1.202	1237.
#3	1355.	26680.	4.340	7.070	272.1	1.242	1240.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	K_7654	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	4.550	11.67	43.95	72.61	31710.	1082.	3754.
Stdev	.132	.31	.35	.62	135.	12.	16.
%RSD	2.897	2.646	.8004	.8561	.4260	1.098	.4315

#1	4.621	11.57	44.36	73.33	31850.	1095.	3772.
#2	4.632	11.42	43.73	72.19	31590.	1077.	3742.
#3	4.398	12.01	43.76	72.33	31670.	1073.	3747.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	347.4	1.338	144.8	19.85	57.64	45.43	49.50
Stdev	1.7	.675	142.2	.95	2.38	.99	.41
%RSD	.4883	50.45	98.22	4.793	4.135	2.186	.8280

#1	349.2	1.659	136.8	20.83	54.95	46.27	49.16
#2	345.8	1.792	290.8	19.79	59.47	44.33	49.38
#3	347.2	.5623	6.712	18.93	58.51	45.68	49.95

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	2.696	1.180	-2.943	5.510	18.15	1006.	-4.060
Stdev	1.035	2.834	1.369	.925	1.65	5.	2.771
%RSD	38.39	240.3	46.52	16.79	9.116	.4542	68.25

#1	3.890	3.059	-1.451	6.556	16.73	1010.	-6.371
#2	2.124	2.561	-3.235	4.799	19.97	1001.	-5.881
#3	2.073	-2.080	-4.142	5.175	17.76	1006.	-4.820

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 65.00 63.69  
 SDev .40 .38  
 %RSD .6187 .6034

#1 65.40 64.04  
 #2 64.59 63.77  
 #3 65.01 63.28

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21081	--	--	--	--	--	--
SDev	144.5072	--	--	--	--	--	--
%RSD	.6854964	--	--	--	--	--	--
#1	20914	--	--	--	--	--	--
#2	21171	--	--	--	--	--	--
#3	21157	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 01:32:09 PM

page 1

Method: LK1 Sample Name: 0908018  
 Run Time: 09/12/96 13:27:38  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	702.1	32270.	24.68	5.689	301.0	1.045	5195.
SDev	2.1	71.	1.76	.368	.8	.033	12.
%RSD	.3001	.2210	7.113	6.467	.2506	3.181	.2260
#1	702.3	32290.	22.73	5.844	301.0	1.048	5195.
#2	704.1	32340.	25.20	5.269	301.7	1.076	5207.
#3	699.9	32200.	26.12	5.954	300.2	1.010	5183.
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	27.05	10.69	34.99	50.65	38380.	3528.	5835.
SDev	.25	.13	.30	.65	96.	15.	15.
%RSD	.9234	1.256	.8441	1.291	.2491	.4179	.2621
#1	26.80	10.58	35.26	50.77	38380.	3534.	5829.
#2	27.30	10.64	35.05	51.24	38470.	3539.	5852.
#3	27.06	10.84	34.67	49.95	38280.	3511.	5823.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	529.1	1.277	62.94	20.96	42.54	33.06	36.22
SDev	1.1	.544	52.18	.94	1.91	.81	.44
%RSD	.2001	42.60	82.90	4.498	4.497	2.452	1.210
#1	529.2	1.793	62.61	20.22	40.45	33.91	36.09
#2	530.2	1.329	115.3	22.02	42.98	32.30	35.86
#3	528.0	.7085	10.93	20.63	44.20	32.96	36.70
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	1.049	1.860	-7.089	5.112	22.26	1313.	-4.212
SDev	3.150	2.539	2.388	3.901	1.46	3.	2.438
%RSD	300.2	136.5	33.69	76.30	6.574	.2275	57.87
#1	-2.536	3.420	-8.840	.6106	23.66	1313.	3.903
#2	2.313	-1.070	-8.060	7.491	22.37	1316.	-6.925
#3	3.371	3.229	-4.368	7.235	20.74	1310.	-2.206

300160

Low -5.000 -60.00 -10.00

Elem V\_2924 zn2062  
Units ug/L ug/L  
Avge 64.66 147.9  
SDev .05 .3  
%RSD .0752 .1968

#1 64.72 148.1  
#2 64.63 148.1  
#3 64.64 147.6

Errors LC Pass LC Pass  
High 20000. 20000.  
Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	21244	--	--	--	--	--	--
SDev	110.8106	--	--	--	--	--	--
%RSD	.5216091	--	--	--	--	--	--
#1	21167	--	--	--	--	--	--
#2	21194	--	--	--	--	--	--
#3	21371	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 01:36:46 PM

page 1

Method: LRI Sample Name: 0908019  
 Run Time: 09/12/96 13:32:13  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.5941	42100.	3.419	9.270	83.76	1.857	748.5
SDev	.6328	210.	3.132	1.528	.35	.027	3.3
%RSD	106.5	.4992	91.60	16.48	.4121	1.450	.4469
#1	-.2145	42050.	5.084	8.396	83.77	1.881	747.3
#2	-1.325	42330.	-.1936	8.380	84.10	1.828	752.3
#3	-.2430	41910.	5.367	11.03	83.41	1.861	746.0
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.7241	25.40	50.67	22.57	49850.	1945.	6661.
SDev	.1752	.07	.39	.31	205.	23.	30.
%RSD	24.20	.2931	.7744	1.379	.4114	1.198	.4473
#1	.7786	25.48	50.91	22.89	49750.	1929.	6659.
#2	.8657	25.38	50.21	22.27	50090.	1972.	6691.
#3	.5281	25.34	50.88	22.55	49720.	1935.	6632.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	488.6	1.933	-132.1	29.89	32.92	15.34	21.19
SDev	2.0	.310	23.0	.25	2.76	1.90	.64
%RSD	.4107	16.04	17.42	.8328	8.377	12.39	3.017
#1	487.8	2.237	-158.6	30.07	30.95	15.71	20.78
#2	490.9	1.946	-116.4	29.60	36.07	13.28	20.87
#3	487.2	1.617	-121.4	29.99	31.75	17.03	21.93
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1.261	-.2296	-7.270	5.520	27.55	1752.	-1.264
SDev	1.145	2.7423	9.048	2.811	1.56	8.	3.346
%RSD	90.79	1194.	124.4	50.92	5.651	.4451	264.7
#1	.6641	-.4677	-12.80	7.384	29.21	1750.	0.81502
#2	2.582	-2.845	3.171	2.287	27.32	1761.	-5.122
#3	.5381	2.624	-12.19	6.890	26.12	1745.	.4743

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 82.29 87.83  
 SDev .20 .49  
 %RSD .2487 .5559

#1 82.24 87.70  
 #2 82.11 88.36  
 #3 82.51 87.41

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21315	--	--	--	--	--	--
SDev	137.9601	--	--	--	--	--	--
%RSD	.6472444	--	--	--	--	--	--
#1	21328	--	--	--	--	--	--
#2	21171	--	--	--	--	--	--
#3	21446	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 01:41:23 PM

page

Method: LRI Sample Name: CCV-1-4

Operator:

Run Time: 09/12/96 13:36:50

Comment:  
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AVge	503.2	49040.	510.1	519.2	525.5	479.0	49830.
SDev	.6	91.	1.9	1.5	.7	.4	48.
%RSD	.1213	.1850	.3801	.2872	.1278	.0830	.0967
#1	502.6	48940.	509.5	517.8	524.7	478.6	49790.
#2	503.2	49100.	508.5	520.8	525.9	479.4	49880.
#3	503.8	49090.	512.3	519.1	525.9	478.9	49810.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	55000.	550.0	550.0	550.0	550.0	55000.
Low	450.0	45000.	450.0	450.0	450.0	450.0	45000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AVge	487.2	485.5	504.2	517.8	48920.	48870.	48010.
SDev	.8	.4	.7	.8	47.	97.	38.
%RSD	.1672	.0827	.1395	.1468	.0960	.1977	.0790
#1	487.0	485.4	503.4	517.0	48890.	48760.	48000.
#2	488.1	486.0	504.4	518.4	48970.	48920.	48050.
#3	486.5	485.2	504.8	518.2	48900.	48940.	47970.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	550.0	550.0	550.0	55000.	55000.	55000.
Low	450.0	450.0	450.0	450.0	45000.	45000.	45000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AVge	525.9	489.9	46830.	487.4	476.5	469.4	471.7
SDev	.6	1.6	56.	1.2	2.2	3.7	2.3
%RSD	.1127	.3174	.1190	.2408	.4522	.7820	.4828
#1	525.3	488.1	46780.	488.8	475.5	466.4	469.4
#2	526.5	490.6	46830.	487.0	475.0	473.5	474.0
#3	525.8	491.0	46890.	486.5	479.0	468.2	471.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	550.0	550.0	55000.	550.0			550.0
Low	450.0	450.0	45000.	450.0			450.0
Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sr1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AVge	493.7	526.4	484.8	498.1	490.1	517.3	479.0
SDev	2.3	2.8	4.8	2.3	.3	.3	3.7
%RSD	.4755	.5410	1.0000	.4559	.0533	.0658	.7642
#1	496.4	527.1	489.7	499.7	490.3	516.9	476.0
#2	492.7	528.9	480.0	499.1	490.2	517.5	483.1
#3	491.9	523.3	484.8	495.5	489.8	517.5	471.8

07184



Low	450.0	450.0		450.0	450.0	450.0
-----	-------	-------	--	-------	-------	-------

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	489.0	484.0
SDev	.6	.5
%RSD	.1243	.1125

#1	488.6	483.8
#2	489.7	484.6
#3	488.8	483.5

Errors	LC Pass	LC Pass
High	550.0	550.0
Low	450.0	450.0

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20456	--	--	--	--	--	--
SDev	44.93328	--	--	--	--	--	--
%RSD	.2196582	--	--	--	--	--	--

#1	20506	--	--	--	--	--	--
#2	20443	--	--	--	--	--	--
#3	20419	--	--	--	--	--	--

Method: LRI Sample Name: CCB-1-4

Operator:

Run Time: 09/12/96 13:41:27

Comment: Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.4143	38.81	-.2388	.5946	.2598	.1460	1.825
SDev	.4337	1.25	1.7968	1.159	.0499	.0473	.512
%RSD	104.7	3.230	752.4	194.8	19.21	32.37	28.07
#1	.8577	37.41	.7811	1.902	.2135	.1878	1.373
#2	-.0090	39.23	.8160	-.3040	.2532	.0947	1.721
#3	.3943	39.81	-2.314	.1857	.3126	.1555	2.382
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.0026	-.3274	-.1727	-.7388	7.438	7.748	3.407
SDev	.0919	.2425	.2743	.1315	5.141	13.11	2.707
%RSD	3541.	74.06	158.8	17.80	69.11	169.2	79.45
#1	.0487	-.4267	.0255	-.6379	12.97	-7.085	.2872
#2	-.1087	-.5045	-.0580	-.8876	6.541	12.53	5.134
#3	.0522	-.0511	-.4857	-.6910	2.806	17.80	4.801
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.0970	1.056	36.63	.5026	-.6600	.2614	-.0450
SDev	.0741	.416	117.4	.2302	.7115	1.734	.9939
%RSD	76.43	39.44	320.5	45.80	107.8	663.5	2207.
#1	.0953	1.365	-19.12	.2575	-1.337	2.246	1.053
#2	.1720	.5823	-42.51	.7142	.0812	-.4993	-.3056
#3	.0237	1.219	171.5	.5362	-.7239	-.9626	-.8827
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sn1899	Te13372	Te11908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-2.942	-.2544	-3.450	-2.689	-.3922	.2886	.5772
SDev	1.944	2.4298	1.526	2.157	.4925	.3268	.8686
%RSD	66.07	955.1	44.24	80.22	125.6	113.3	150.5
#1	-3.228	-2.414	-3.848	-2.919	-.9160	.1886	1.580
#2	-.8713	-.7250	-1.764	-.4262	-.3224	.6537	.601496
#3	-4.727	2.376	-4.738	-4.722	.0616	.0234	.0978

Analysis Report

Thu 09-12-96 01:45:59 PM

LOW	-5.000	-60.00	-10.00
-----	--------	--------	--------

Elem	V_2924	Zn2062
Units	ug/L	ug/L
AVge	.0599	-.0139
SDev	.4839	.1582
%RSD	808.4	1136.

#1	.1207	.1572
#2	.5104	-.1550
#3	-.4515	-.0440

Errors	LC Pass	LC Pass
High	50.00	20.00
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
AVge	20538	---	---	---	---	---	---
SDev	102.6661	---	---	---	---	---	---
%RSD	.4998756	---	---	---	---	---	---

#1	20656
#2	20492
#3	20467

Method: LRI Sample Name: 0908027

Operator:

Run Time: 09/12/96 13:46:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.3844	39170.	1.726	9.165	74.02	2.494	630.7
SDev	.2121	175.	1.615	1.174	.46	.014	4.4
%RSD	55.18	.4466	93.58	12.81	.6167	.5602	.6928
#1	-.1889	39370.	2.242	8.288	74.55	2.479	635.7
#2	-.6099	39100.	-.0841	10.50	73.82	2.506	628.4
#3	-.3542	39050.	3.020	8.709	73.70	2.498	627.9
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-1.147	35.60	59.18	47.24	106000.	1817.	6202.
SDev	.150	.29	.33	.73	489.	8.	30.
%RSD	13.08	.8089	.5607	1.540	.4615	.4394	.4908
#1	-1.237	35.45	59.48	48.05	106600.	1825.	6237.
#2	-1.231	35.42	59.22	47.01	105800.	1810.	6188.
#3	-.9741	35.93	58.82	46.65	105600.	1817.	6181.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	2238.	1.089	9.005	28.31	25.01	16.06	19.04
SDev	12.	.797	114.5	.38	.38	1.22	.78
%RSD	.5405	73.13	1271.	1.359	1.535	7.625	4.086
#1	2251.	.4168	23.01	27.87	24.92	14.88	18.23
#2	2233.	1.969	-111.8	28.46	25.44	15.96	19.12
#3	2229.	.8818	115.8	28.60	24.69	17.33	19.78
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.234	2.090	-5.351	10.52	29.56	1700.	.2652
SDev	2.124	2.650	1.821	2.55	1.18	9.	2.604
%RSD	40.58	126.8	34.03	24.29	3.987	.5322	982.1
#1	2.829	.8807	-7.196	7.833	30.76	1710.	-1.394
#2	6.852	.2599	-5.301	12.92	28.40	1696.	3.267
#3	6.021	5.128	-3.556	10.80	29.52	1698.	-1.078

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 86.85 81.47  
 SDev .84 .46  
 %RSD .9708 .5687

#1 87.47 82.00  
 #2 85.89 81.29  
 #3 87.20 81.13

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20868	--	--	--	--	--	--
SDev	78.54298	--	--	--	--	--	--
%RSD	.3763800	--	--	--	--	--	--
#1	20780	--	--	--	--	--	--
#2	20931	--	--	--	--	--	--
#3	20893	--	--	--	--	--	--

Method: LRI Sample Name: CR1A-1-2  
Run Time: 09/12/96 13:50:39  
Comment:  
Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	.0365	441.6	11.78	1026.	10.37	.0293	431.5
SDev	.1722	1.9	1.60	11.	.07	.0641	3.9
%RSD	471.4	.4406	13.58	1.091	.6491	218.8	.8928
#1	.2016	442.5	13.40	1016.	10.30	.0999	427.3
#2	-.1419	439.4	10.20	1025.	10.42	.0129	432.3
#3	.0499	443.0	11.73	1038.	10.40	-.0250	434.9
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High		520.0	15.60	1300.	13.00		520.0
Low		280.0	8.400	700.0	7.000		280.0
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	5.718	-.1047	-.2839	-.7408	218.3	2323.	411.7
SDev	.074	.1167	.2490	.5578	3.4	32.	2.2
%RSD	1.295	111.5	87.71	75.31	1.579	1.395	.5346
#1	5.724	-.1303	-.1407	-.1384	222.2	2287.	409.4
#2	5.789	-.2065	-.5715	-1.240	215.6	2336.	413.8
#3	5.641	.0227	-.1396	-.8443	217.1	2348.	411.7
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	7.800				260.0	2600.	520.0
Low	4.200				140.0	1400.	280.0
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	.2508	49.50	1801.	-.2686	-1.117	1.569	.6749
SDev	.0894	1.46	94.	.7217	2.175	.997	.4638
%RSD	34.26	2.948	5.237	268.7	194.7	63.55	68.73
#1	.1576	48.05	1766.	-.5428	-3.592	2.333	.3606
#2	.3117	50.96	1908.	-.8129	-.2435	1.931	1.208
#3	.3130	49.48	1730.	.5500	.4856	.4412	.4564
Errors	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		65.00	2600.				
Low		35.00	1400.				
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	-2.796	-1.290	-3.226	-2.583	98.99	103.4	.4401
SDev	1.931	3.218	3.389	1.358	3.29	.8	1.179
%RSD	69.03	249.5	105.1	52.56	3.324	.7700	267.9
#1	-4.460	-3.509	-6.762	-3.312	98.86	102.5	1.365
#2	-.6796	2.401	-.0059	-1.017	95.77	103.6	-.8879
#3	-3.250	-2.761	-2.909	-3.420	102.3	104.1	1.7034

170

Low 70.00 70.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	-.2002	.0620
SDev	.4021	.0983
%RSD	200.8	158.4

#1	.1191	.1576
#2	-.6517	.0673
#3	-.0679	-.0387

Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20349	--	--	--	--	--	--
SDev	140.9976	--	--	--	--	--	--
%RSD	.6929085	--	--	--	--	--	--
#1	20509	--	--	--	--	--	--
#2	20293	--	--	--	--	--	--
#3	20244	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 01:59:46 PM

Method: LRI Sample Name: CRI-1-2

Run Time: 09/12/96 13:55:15

Operator:

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	23.95	30.48	20.51	1.778	.0384	8.953	7.853
SDev	.04	1.74	2.27	.840	.0386	.046	.110
%RSD	.1668	5.713	11.05	47.26	100.5	.5120	1.395

#1	24.00	30.66	20.34	1.689	.0731	9.005	7.917
#2	23.93	32.11	22.85	.9854	.0455	8.926	7.916
#3	23.93	28.65	18.33	2.659	-.0032	8.926	7.727

Errors	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	26.00		26.00			13.00	
Low	14.00		14.00			7.000	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	8.976	92.91	24.05	50.00	32.42	38.30	.3798
SDev	.180	.63	.66	.19	1.34	6.46	.3482
%RSD	2.008	.6807	2.744	.3704	4.145	16.88	91.67

#1	9.163	93.62	24.75	49.82	33.95	45.73	.3920
#2	8.962	92.39	23.44	49.98	31.89	35.18	.0257
#3	8.803	92.73	23.97	50.19	31.42	33.99	.7217

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	13.00	130.0	26.00	65.00			
Low	7.000	70.00	14.00	35.00			

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	28.81	-.3747	-108.3	79.43	3.726	5.961	5.217
SDev	.22	.0007	26.5	.83	3.440	1.345	1.059
%RSD	.7719	.1964	24.47	1.047	92.33	22.56	20.49

#1	29.06	-.3755	-92.38	80.07	4.264	7.216	6.233
#2	28.64	-.3742	-93.66	79.74	6.864	4.541	5.315
#3	28.72	-.3743	-138.9	78.49	.0483	6.126	6.4102

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass
High	39.00			104.0			7.800
Low	21.00			56.00			4.200

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	8.906	121.6	5.402	10.66	-1.380	-.0518	18.94
SDev	1.198	2.1	1.266	2.18	1.015	.1799	3.15
%RSD	13.45	1.756	23.44	20.43	73.54	347.1	16.61

#1	7.808	119.1	5.199	9.109	-.5245	-.2310	15.40
#2	8.729	123.0	6.757	9.713	-1.115	.1288	14.96
#3	10.18	122.6	4.249	13.14	-2.502	-.0533	22.46



Low 7.000 84.00 14.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 97.36 36.57  
 SDev .71 .41  
 %RSD .7301 1.125

#1 97.94 37.00  
 #2 96.57 36.18  
 #3 97.57 36.52

Errors LC Pass LC Pass  
 High 130.0 52.00  
 Low 70.00 28.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20251	--	--	--	--	--	--
SDev	46.28535	--	--	--	--	--	--
%RSD	.2285546	--	--	--	--	--	--

#1	20198	--	--	--	--	--	--
#2	20281	--	--	--	--	--	--
#3	20275	--	--	--	--	--	--

Method: LRI Sample Name: IC5A-1-2  
 Run Time: 09/12/96 13:59:51  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.5636	482300.	2.493	-2.221	7.035	-.2669	459100.
SDev	.6614	2641.	3.660	.806	.091	.0539	2844.
%RSD	117.4	.5476	146.8	36.27	1.293	20.21	.6195
#1	.2005	485300.	5.159	-1.322	7.069	-.3230	462300.
#2	.1633	481600.	4.000	-2.878	6.931	-.2623	458200.
#3	1.327	480200.	-1.680	-2.464	7.103	-.2154	456800.
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	10.00	600000.	10.00		200.0	5.000	600000.
Low	-10.00	400000.	-10.00		-200.0	-5.000	400000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-1.914	-1.212	4.027	-7.028	188900.	-126.6	503600.
SDev	.147	.500	.032	.490	1015.	7.8	3499.
%RSD	7.705	41.24	.8029	6.967	.5374	6.193	.6948
#1	-1.746	-.8193	3.990	-7.535	190000.	-117.9	507500.
#2	-1.974	-1.774	4.051	-6.992	188600.	-133.0	502400.
#3	-2.022	-1.041	4.041	-6.558	188000.	-129.0	500700.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	240000.	5000.	600000.
Low	-5.000	-50.00	-10.00	-25.00	160000.	-5000.	400000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-2.139	.3434	-395.8	3.550	110.1	-57.53	-1.705
SDev	.073	1.022	121.1	.974	5.2	4.25	1.117
%RSD	3.417	297.5	30.59	27.44	4.694	7.380	65.51
#1	-2.174	1.306	-327.1	4.460	116.1	-62.40	-2.969
#2	-2.187	.4535	-535.6	2.523	106.8	-54.60	-.8536
#3	-2.055	-.7288	-324.7	3.668	107.5	-55.59	-1.291
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.9035	1.147	-13.35	8.020	2.634	.2502	6.064
SDev	1.595	3.555	3.39	2.817	2.225	.2477	1.664
%RSD	176.5	310.0	25.42	35.13	84.47	98.97	27.45
#1	1.206	3.676	-9.448	6.524	5.157	0.5131	4.157
#2	2.326	-2.918	-15.59	11.27	.9544	.0223	6.813
#3	-.8211	2.683	-15.02	6.267	1.790	.2146	7.222

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge -2.865 -.8779  
 SDev .012 .1487  
 %RSD .4269 16.94

#1 -2.877 -.8900  
 #2 -2.865 -.7234  
 #3 -2.852 -1.020

Errors LC Pass LC Pass  
 High 50.00 20.00  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19240	--	--	--	--	--	--
SDev	62.08328	--	--	--	--	--	--
%RSD	.3226837	--	--	--	--	--	--
#1	19168	--	--	--	--	--	--
#2	19277	--	--	--	--	--	--
#3	19274	--	--	--	--	--	--

Method: LRI Sample Name: ICSAB-1-2  
 Run Time: 09/12/96 14:04:27  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	189.5	485000.	87.53	-1.087	497.9	460.0	464800.
SDev	.9	2403.	1.87	.751	2.5	2.3	1908.
%RSD	.4876	.4954	2.140	69.11	.4985	.4949	.4106

#1	188.4	482200.	86.77	-1.920	495.0	457.4	462600.
#2	190.0	486500.	86.16	-.8788	499.3	461.4	466000.
#3	190.1	486300.	89.67	-.4619	499.3	461.3	465800.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	240.0	600000.	120.0		600.0	600.0	600000.
Low	160.0	400000.	80.00		400.0	400.0	400000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	891.1	447.4	516.1	520.8	197100.	-135.0	498000.
SDev	3.8	1.8	2.6	2.7	931.	4.9	2320.
%RSD	.4209	.4109	.5107	.5137	.4721	3.639	.4658

#1	886.7	445.3	513.1	517.7	196000.	-140.6	495400.
#2	892.9	448.7	517.0	522.1	197700.	-131.6	499300.
#3	893.5	448.2	518.1	522.6	197700.	-132.7	499400.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1200.	600.0	600.0	600.0	240000.	5000.	600000.
Low	800.0	400.0	400.0	400.0	160000.	-5000.	400000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
Avg	455.7	1.528	-321.0	911.1	158.9	-11.04	45.55
SDev	2.3	.830	39.8	5.9	4.3	2.23	.71
%RSD	.5015	54.31	12.39	.6500	2.700	20.18	1.558

#1	453.1	2.481	-348.5	904.5	162.9	-13.59	45.19
#2	456.9	.9661	-275.4	913.0	154.4	-9.478	45.09
#3	457.1	1.137	-339.1	915.8	159.4	-10.05	46.37

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	600.0		5000.	1200.			60.00
Low	400.0		-5000.	800.0			40.00

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	48.44	636.2	33.69	55.80	-1.245	6.842	95.55
SDev	1.62	3.1	3.61	1.39	1.508	.046	2.45
%RSD	3.350	.4887	10.72	2.485	121.1	.6741	2.563

#1	48.68	633.5	31.80	57.10	.0076	6.842	93.40
#2	46.71	635.5	31.41	54.34	-.8244	6.888	98.21
#3	49.92	639.6	37.85	55.95	-2.920	6.796	95.76

Low 40.00 480.0 80.00

Elem V\_2924 Zn2062
Units ug/L ug/L
Avge 488.3 843.3
SDev 2.7 3.0
%RSD .5563 .3597

#1 485.3 839.8
#2 490.4 845.4
#3 489.4 844.6

Errors LC Pass LC Pass
High 600.0 1200.
Low 400.0 800.0

IntStd 1 2 3 4 5 6 7
Mode \*Counts NOTUSED NOTUSED NOTUSED NOTUSED NOTUSED NOTUSED
Elem Y -- -- -- -- -- --
Wavlen 371.030 -- -- -- -- -- --
Avge 19196 -- -- -- -- -- --
SDev 63.70505 -- -- -- -- -- --
%RSD .3318720 -- -- -- -- -- --
#1 19269 -- -- -- -- -- --
#2 19164 -- -- -- -- -- --
#3 19154 -- -- -- -- -- --

Analysis Report

Thu 09-12-96 02:13:33 PM

Method: LRI Sample Name: CCV-1-5

Run Time: 09/12/96 14:09:02

Operator:

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	505.8	49320.	512.3	522.0	525.1	481.3	49740.
SD	1.9	171.	6.2	4.5	1.6	1.4	148.
%RSD	.3746	.3469	1.210	.8673	.2995	.2848	.2978
#1	503.7	49120.	509.5	518.8	523.3	479.9	49580.
#2	507.4	49430.	519.4	527.2	526.3	482.6	49880.
#3	506.3	49400.	507.9	520.1	525.8	481.3	49770.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	55000.	550.0	550.0	550.0	550.0	55000.
Low	450.0	45000.	450.0	450.0	450.0	450.0	45000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	485.8	487.3	506.1	520.6	49190.	48990.	47920.
SD	1.6	.9	1.9	1.6	161.	187.	163.
%RSD	.3360	.1864	.3816	.3086	.3267	.3818	.3400
#1	485.0	486.7	503.8	519.3	49020.	48770.	47750.
#2	487.7	488.4	507.1	522.4	49340.	49100.	48080.
#3	484.8	487.0	507.2	520.1	49200.	49100.	47930.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	550.0	550.0	550.0	55000.	55000.	55000.
Low	450.0	450.0	450.0	450.0	45000.	45000.	45000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	528.3	492.7	46940.	486.8	477.0	466.4	469.9
SD	1.5	2.5	203.	.9	1.1	5.2	3.6
%RSD	.2760	.5052	.4324	.1819	.2271	1.117	.7695
#1	526.8	490.6	46750.	485.8	476.3	460.5	465.8
#2	529.7	495.4	47150.	487.1	476.4	470.5	472.5
#3	528.3	492.0	46910.	487.5	478.2	468.2	471.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	550.0	550.0	55000.	550.0	550.0	550.0	550.0
Low	450.0	450.0	45000.	450.0	450.0	450.0	450.0
Elem	Se1960	Sb2068	Te60-1	Te60-2	Sn1899	Te3372	Te1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	495.7	525.5	489.5	498.8	492.7	520.0	475.1
SD	5.4	5.7	2.8	6.7	1.4	1.6	3.0
%RSD	1.092	1.080	.5763	1.347	.2766	.3030	.6257
#1	489.7	529.7	486.3	491.4	491.3	518.2	471.7
#2	497.4	527.9	490.8	500.7	494.0	521.0	476.7
#3	500.1	519.1	491.5	504.4	492.7	520.7	477.0

LC PASS LC PASS

Low 450.0 450.0 450.0 450.0 450.0

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 494.0 484.3  
 SDev 2.3 1.8  
 %RSD .4727 .3734

#1 491.8 483.1  
 #2 496.5 486.4  
 #3 493.6 483.5

Errors LC Pass LC Pass  
 High 550.0 550.0  
 Low 450.0 450.0

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	20079	--	--	--	--	--	--
SDev	44.50093	--	--	--	--	--	--
%RSD	.2216256	--	--	--	--	--	--
#1	20124	--	--	--	--	--	--
#2	20079	--	--	--	--	--	--
#3	20035	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 02:18:08 PM

Method: LRI Sample Name: CCB-1-5

Operator:

Run Time: 09/12/96 14:13:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.2549	37.89	-1.891	.0105	.0634	.0565	20.37
SDev	.5074	7.00	2.676	1.568	.0738	.0225	5.64
%RSD	199.1	18.48	141.5	14950.	116.5	39.77	27.67
#1	.3662	34.29	-4.739	-1.174	.0881	.0823	17.05
#2	.6974	33.43	.5712	-.5834	-.0196	.0458	17.18
#3	-.2990	45.96	-1.506	1.789	.1217	.0414	26.87
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00	10.00	200.0	5.000	5000.
Low	-5.000	-200.0	-10.00	-10.00	-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.1339	-.4061	-.1136	-.3685	5.734	10.25	16.21
SDev	.1687	.0431	.2632	.5088	5.393	6.68	5.08
%RSD	126.0	10.61	231.6	138.1	94.06	65.20	31.36
#1	-.1881	-.4307	-.4010	-.7664	2.377	8.197	16.25
#2	-.2688	-.4314	.1158	.2048	2.869	4.830	11.10
#3	.0553	-.3564	-.0558	-.5440	11.95	17.71	21.26
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.0503	1.174	-52.47	-.1474	-1.613	1.083	.1860
SDev	.0870	.788	89.36	.5478	1.933	1.636	1.302
%RSD	173.1	67.15	170.3	371.6	119.8	151.0	700.0
#1	-.0502	1.545	37.25	-.7222	-3.686	.2733	-1.045
#2	.1001	1.709	-141.5	-.0887	-1.291	2.966	1.549
#3	.1010	.2686	-53.18	.3686	.1393	.0105	.0539
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00	5000.	5000.	40.00	100.0	5000.	3.000
Low	-15.00	-5000.	-5000.	-40.00	-100.0	-5000.	-3.000
Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sn1899	Ti3372	Tl1909
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-1.789	.2614	-2.927	-1.222	.1388	.1261	1.095
SDev	1.228	1.861	1.221	1.864	1.785	.0857	2.838
%RSD	68.66	712.1	41.70	152.6	1286.	67.95	259.1
#1	-3.207	.8352	-3.143	-3.240	.2656	.2122	1.044
#2	-1.050	1.768	-4.026	.4346	-1.706	.1251	4.038
#3	-1.110	-1.819	-1.613	-.8598	1.857	.0409	.8722



Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge -.1925 1.764  
 SDev .1129 .239  
 %RSD 58.66 13.55

#1 -.2579 1.498  
 #2 -.2575 1.834  
 #3 -.0621 1.960

Errors LC Pass LC Pass  
 High 50.00 20.00  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	20312	---	---	---	---	---	---
SDev	69.17610	---	---	---	---	---	---
%RSD	.3405621	---	---	---	---	---	---
#1	20373	---	---	---	---	---	---
#2	20327	---	---	---	---	---	---
#3	20237	---	---	---	---	---	---

Method: LRI Sample Name: PBW-2104  
 Run Time: 09/12/96 14:18:13  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.0761	68.36	-1.187	6.052	.4504	.0082	80.56
SDev	.5573	6.67	2.383	1.225	.1034	.0061	1.38
%RSD	732.4	9.751	200.8	20.25	22.95	73.99	1.712
#1	.3816	76.05	-2.356	4.760	.4917	.0057	82.08
#2	.4138	64.72	-2.759	6.197	.5266	.0151	79.38
#3	-.5672	64.30	1.555	7.198	.3327	.0037	80.23
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.0798	-.3807	-.2582	.5449	5.914	88.82	15.22
SDev	.1239	.6397	.3496	.3060	2.470	5.95	2.05
%RSD	155.2	168.0	135.4	56.15	41.76	6.704	13.45
#1	-.1878	-.0501	-.5757	.3358	8.651	95.49	16.43
#2	-.1071	-1.118	.1164	.4028	5.238	84.04	12.85
#3	.0554	.0261	-.3152	.8961	3.852	86.92	16.36
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.2263	.3229	55.89	.3978	.9818	.6395	.7540
SDev	.0425	.7423	77.17	.6041	2.266	.6844	.3869
%RSD	18.78	229.9	138.1	151.9	230.8	107.0	51.31
#1	.1772	.7529	94.71	.0065	2.022	.0550	.7106
#2	.2504	-.5343	105.9	.0933	-1.617	1.392	.3906
#3	.2512	.7502	-32.99	1.094	2.541	.4709	1.161
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.2286	.0067	-.6587	-.0144	.5405	.3443	1.712
SDev	1.2753	4.772	3.5019	1.9089	1.198	.1404	.672
%RSD	558.0	70950.	531.7	13240.	221.7	40.77	39.28
#1	-1.643	.3817	-3.442	-.7454	1.668	.3191	2.165
#2	.8338	4.580	-1.808	2.152	-.7180	.2182	.9391
#3	.1234	-4.941	3.273	-1.450	.6718	.4956	2.031

18

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge .0670 4.235  
 SDev .5931 .157  
 %RSD 885.1 3.705

#1 -.0612 4.068  
 #2 .7138 4.258  
 #3 -.4515 4.379

Errors LC Pass LC Pass  
 High 50.00 20.00  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20253	--	--	--	--	--	--
SDev	54.15102	--	--	--	--	--	--
%RSD	.2673684	--	--	--	--	--	--
#1	20195	--	--	--	--	--	--
#2	20302	--	--	--	--	--	--
#3	20263	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 02:27:20 PM

Method: LRI Sample Name: LCSW-2104

Operator:

Run Time: 09/12/96 14:22:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	AG3280	AI3082	AS1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	55.92	2103.	44.10	2083.	2091.	49.96	20930.
SDev	.66	6.	1.09	9.	9.	.22	72.
%RSD	1.173	.2770	2.472	.4191	.4448	.4390	.3460

#1	55.80	2097.	44.18	2074.	2082.	49.71	20860.
#2	55.34	2108.	45.14	2091.	2101.	50.13	21000.
#3	56.63	2105.	42.97	2083.	2091.	50.04	20930.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60.00	2400.	48.00	2400.	2400.	60.00	24000.
Low	40.00	1600.	32.00	1600.	1600.	40.00	16000.

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	50.67	483.0	224.9	250.9	1039.	23330.	20210.
SDev	.16	.6	.8	.9	6.	73.	65.
%RSD	.3163	.1296	.3422	.3418	.5308	.3110	.3209

#1	50.55	482.4	224.0	250.0	1041.	23260.	20140.
#2	50.85	483.7	225.4	251.6	1033.	23400.	20270.
#3	50.61	483.0	225.2	251.3	1044.	23330.	20230.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60.00	600.0	240.0	300.0	1200.	24000.	24000.
Low	40.00	400.0	160.0	200.0	800.0	16000.	16000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	509.7	2005.	19360.	526.8	19.35	19.20	19.25
SDev	1.9	11.	94.	1.7	.67	.95	.84
%RSD	.3753	.5728	.4846	.3227	3.446	4.926	4.385

#1	507.7	1992.	19360.	524.9	18.58	18.18	18.31
#2	511.5	2014.	19260.	527.6	19.76	20.05	19.95
#3	509.9	2009.	19450.	528.0	19.71	19.37	19.48

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	600.0	2400.	24000.	600.0			24.00
Low	400.0	1600.	16000.	400.0			16.00

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	W13372	W11908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	11.48	556.4	10.89	11.78	2024.	2141.	46.52
SDev	.52	5.0	4.87	2.95	8.	9.	2.76
%RSD	4.569	.8919	44.74	25.03	.3990	.4133	5.926

#1	11.11	551.9	16.50	8.419	2016.	2132.	43.65
#2	11.26	561.7	7.774	12.99	2032.	2150.	46.84
#3	112.08	555.4	8.384	13.93	2024.	2142.	49.14

Low 8.000 400.0 1600. 1600. 40.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 533.5 489.9  
 SDev 1.8 1.7  
 %RSD .3462 .3473

#1 531.9 488.0  
 #2 535.5 491.4  
 #3 533.0 490.2

Errors LC Pass LC Pass  
 High 600.0 600.0  
 Low 400.0 400.0

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	20322	--	--	--	--	--	--
SDev	76.26489	--	--	--	--	--	--
%RSD	.3752762	--	--	--	--	--	--
#1	20402	--	--	--	--	--	--
#2	20250	--	--	--	--	--	--
#3	20315	--	--	--	--	--	--

Method: LRI Sample Name: 0908020  
 Run Time: 09/12/96 14:27:25  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.0733	61.89	-2.091	9.996	1.864	.0328	449.7
SDev	.3258	.18	.786	.960	.114	.0347	2.5
%RSD	444.7	.2950	37.61	9.606	6.134	105.8	.5605
#1	.1885	62.02	-1.185	11.05	1.966	-.0024	452.5
#2	.0298	61.98	-2.599	9.775	1.740	.0669	448.6
#3	-.4381	61.68	-2.488	9.166	1.887	.0337	447.8
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.1628	-.2537	2.008	17.91	30.64	51.57	95.74
SDev	.0469	.1575	.309	.41	6.61	16.72	3.10
%RSD	28.80	62.09	15.40	2.282	21.59	32.41	3.234
#1	-.1086	-.2038	1.935	17.88	37.65	70.46	99.21
#2	-.1899	-.1271	2.348	17.52	29.76	45.56	93.25
#3	-.1897	-.4301	1.743	18.33	24.51	38.70	94.78
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1.045	2.244	199.7	8.977	2.490	1.165	1.607
SDev	.176	1.465	33.5	.605	1.552	.408	.745
%RSD	16.89	65.28	16.80	6.743	62.34	35.00	46.39
#1	1.152	3.806	232.0	9.456	1.694	1.279	1.418
#2	1.142	2.022	202.0	8.297	4.279	1.504	2.429
#3	.8413	.9026	165.1	9.179	1.497	.7126	.9745
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-2.868	.4952	-1.856	-3.374	1.193	.6085	-.7992
SDev	1.070	2.283	2.381	.944	.978	.3900	.6502
%RSD	37.30	461.0	128.3	27.98	82.01	64.09	81.36
#1	-1.652	.0343	.6217	-2.788	1.870	1.046	-.3772
#2	-3.664	2.973	-2.063	-4.463	.0712	.4823	-.4733
#3	-3.289	-1.522	-4.127	-2.872	1.637	.2973	-.1868

000186

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge .1296 11.44  
 SDev .1964 .01  
 %RSD 151.6 .1123

#1 .3268 11.44  
 #2 .1279 11.45  
 #3 -.0660 11.43

Errors LC Pass LC Pass  
 High 50.00 20.00  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20360	--	--	--	--	--	--
SDev	102.4305	--	--	--	--	--	--
%RSD	.5030966	--	--	--	--	--	--
#1	20244	--	--	--	--	--	--
#2	20398	--	--	--	--	--	--
#3	20438	--	--	--	--	--	--

Method: LRI Sample Name: 0908021  
 Run Time: 09/12/96 14:32:00  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.1960	50.20	.1367	4.966	1.227	.0053	318.6
SDev	.0977	5.07	3.306	.869	.085	.0411	1.7
%RSD	49.85	10.10	2417.	17.50	6.935	770.8	.5473

#1	-.0845	55.39	2.612	5.133	1.292	.0015	320.5
#2	-.2665	45.26	1.415	4.026	1.130	.0482	317.1
#3	-.2369	49.94	-3.617	5.740	1.257	-.0337	318.2

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.1883	-.4076	-.0275	7.030	12.10	51.97	66.53
SDev	.2143	.3451	.3497	.423	4.79	12.80	3.28
%RSD	113.8	84.67	1271.	6.017	39.61	24.64	4.926

#1	-.4312	-.4325	.2901	7.261	7.179	50.97	69.58
#2	-.1078	-.0507	.0296	6.541	12.36	39.70	63.06
#3	-.0259	-.7396	-.4022	7.287	16.75	65.25	66.94

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1.026	.4819	130.8	3.272	-.0813	1.180	.7602
SDev	.046	.5645	68.3	.474	.9695	1.529	1.088
%RSD	4.502	117.1	52.20	14.48	1193.	129.7	143.1

#1	1.002	1.072	176.6	3.819	.1558	2.925	2.003
#2	.9974	.4272	52.32	2.987	-1.147	.5420	-.0201
#3	1.080	-.0532	163.5	3.009	.7477	.0721	.2975

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.9966	.6781	-3.447	.2262	.2717	.1908	1.197
SDev	2.5879	3.111	3.562	2.185	.2000	.1095	1.079
%RSD	259.7	458.8	103.3	966.0	73.61	57.40	90.15

#1	-.1888	2.400	-1.469	.4499	.4693	.1307	1.977
#2	1.091	2.547	-1.314	2.291	.0694	.1245	1.150
#3	-3.892	-2.913	-7.559	-2.062	.2763	.3172	1.0348

188



Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge -.3210 9.370  
 SDev .7858 .076  
 %RSD 244.8 .8135

#1 .5220 9.450  
 #2 -1.033 9.298  
 #3 -.4517 9.362

Errors LC Pass LC Pass  
 High 50.00 20.00  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20269	--	--	--	--	--	--
SDev	60.35175	--	--	--	--	--	--
%RSD	.2977589	--	--	--	--	--	--

#1	20257	--	--	--	--	--	--
#2	20334	--	--	--	--	--	--
#3	20215	--	--	--	--	--	--

Method: LRI Sample Name: 0908022  
Run Time: 09/12/96 14:36:37  
Comment:  
Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.0152	51.01	-1.555	3.892	1.728	.0147	315.5
SDev	.4019	1.75	2.912	1.919	.046	.0176	1.2
%RSD	2649.	3.438	187.2	49.30	2.649	120.0	.3783

#1	-.1625	50.61	-2.106	2.530	1.731	.0347	315.0
#2	-.2672	52.93	-4.152	6.087	1.681	.0018	314.7
#3	.4752	49.50	1.592	3.060	1.773	.0075	316.9

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.1889	-.5063	.0002	4.450	17.21	42.19	71.90
SDev	.1397	.3788	.1780	.584	6.25	7.56	1.78
%RSD	73.97	74.81	76890.	13.13	36.30	17.92	2.474

#1	-.2698	-.8844	.1997	4.855	20.26	33.78	70.29
#2	-.0276	-.5077	-.0565	4.716	21.35	44.39	73.81
#3	-.2692	-.1268	-.1425	3.780	10.03	48.41	71.59

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.4722	.7480	171.0	4.310	-.8206	2.156	1.166
SDev	.0730	.5782	73.3	.241	.4138	1.015	.763
%RSD	15.46	77.29	42.86	5.591	50.43	47.07	65.49

#1	.5437	.1061	86.95	4.588	-.5407	3.328	2.040
#2	.3978	1.228	204.3	4.164	-.6252	1.544	.8224
#3	.4749	.9102	221.6	4.177	-1.296	1.597	.6340

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.4892	.5175	-1.703	1.583	-.0632	.2141	.1775
SDev	1.956	1.417	3.848	1.013	.8840	.0890	1.041
%RSD	399.7	273.8	226.0	64.02	1399.	41.57	586.4

#1	2.306	2.062	1.957	2.480	.8503	.2065	-.9512
#2	.7420	-.7241	-1.349	1.785	-.9144	.3067	1.100
#3	-1.580	.2151	-5.716	.4836	-.1255	.1292	.3840

000190

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge -.1284 8.704  
 SDev .1130 .087  
 %RSD 87.98 1.003

#1 -.2589 8.803  
 #2 -.0640 8.640  
 #3 -.0624 8.658

Errors LC Pass LC Pass  
 High 50.00 20.00  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20350	--	--	--	--	--	--
SDev	83.90669	--	--	--	--	--	--
%RSD	.4123247	--	--	--	--	--	--
#1	20441	--	--	--	--	--	--
#2	20332	--	--	--	--	--	--
#3	20276	--	--	--	--	--	--



Analysis Report

Thu 09-12-96 02:45:44 PM

LOW -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avg -1941 10.29  
 SDev .2233 .14  
 %RSD 115.1 1.349

#1 -.0644 10.37  
 #2 -.0658 10.13  
 #3 -.4519 10.36

Errors LC Pass LC Pass  
 High 50.00 20.00  
 Low -50.00 -20.00

Instd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avg	20400	---	---	---	---	---	---
SDev	25.05993	---	---	---	---	---	---
%RSD	.1228428	---	---	---	---	---	---
#1	20374	---	---	---	---	---	---
#2	20424	---	---	---	---	---	---
#3	20402	---	---	---	---	---	---

Analysis Report

Thu 09-12-96 02:50:20 PM

Method: LRI Sample Name: LCSS-2104

Run Time: 09/12/96 14:45:49

Comment:

Mode: CONC corr. Factor: 1

Wong table

Operator:

Item	Units	Avg	SDev	%RSD	Item	Units	Avg	SDev	%RSD	Item	Units	Avg	SDev	%RSD	Item	Units	Avg	SDev	%RSD
A93280	ug/L	55.42	16.	28.6	A13082	ug/L	2096.	6.25	0.30	A83179	ug/L	49.92	1.37	2.73	Ba4934	ug/L	2122.	17.	0.80
A3280	ug/L	55.42	16.	28.6	A13082	ug/L	2096.	6.25	0.30	A83179	ug/L	49.92	1.37	2.73	Ba4934	ug/L	2122.	17.	0.80
AS1890	ug/L	45.20	15.	33.1	AS1890	ug/L	45.20	15.	33.1	AS1890	ug/L	45.20	15.	33.1	B-2496	ug/L	2042.	15.	0.73
AS1890	ug/L	45.20	15.	33.1	AS1890	ug/L	45.20	15.	33.1	AS1890	ug/L	45.20	15.	33.1	B-2496	ug/L	2042.	15.	0.73
CR2677	ug/L	227.2	2.3	1.0	CR2677	ug/L	227.2	2.3	1.0	CR2677	ug/L	227.2	2.3	1.0	CU3247	ug/L	252.8	9.	3.56
CR2677	ug/L	227.2	2.3	1.0	CR2677	ug/L	227.2	2.3	1.0	CR2677	ug/L	227.2	2.3	1.0	CU3247	ug/L	252.8	9.	3.56
CO2286	ug/L	486.4	1.9	0.4	CO2286	ug/L	486.4	1.9	0.4	CO2286	ug/L	486.4	1.9	0.4	Fe2714	ug/L	1048.	174.	16.5
CO2286	ug/L	486.4	1.9	0.4	CO2286	ug/L	486.4	1.9	0.4	CO2286	ug/L	486.4	1.9	0.4	Fe2714	ug/L	1048.	174.	16.5
H487.5	ug/L	488.6	2.9	0.6	H487.5	ug/L	488.6	2.9	0.6	H487.5	ug/L	488.6	2.9	0.6	H1055.	ug/L	2359.	1.7389	0.07
H487.5	ug/L	488.6	2.9	0.6	H487.5	ug/L	488.6	2.9	0.6	H487.5	ug/L	488.6	2.9	0.6	H1055.	ug/L	2359.	1.7389	0.07
H51.58	ug/L	483.1	1.9	0.4	H51.58	ug/L	483.1	1.9	0.4	H51.58	ug/L	483.1	1.9	0.4	H1037.	ug/L	2338.	1.7389	0.07
H51.58	ug/L	483.1	1.9	0.4	H51.58	ug/L	483.1	1.9	0.4	H51.58	ug/L	483.1	1.9	0.4	H1037.	ug/L	2338.	1.7389	0.07
H51.24	ug/L	488.6	2.9	0.6	H51.24	ug/L	488.6	2.9	0.6	H51.24	ug/L	488.6	2.9	0.6	H23680.	ug/L	2359.	1.7389	0.07
H51.24	ug/L	488.6	2.9	0.6	H51.24	ug/L	488.6	2.9	0.6	H51.24	ug/L	488.6	2.9	0.6	H23680.	ug/L	2359.	1.7389	0.07
H510.5	ug/L	2014.	14.	0.7	H510.5	ug/L	2014.	14.	0.7	H510.5	ug/L	2014.	14.	0.7	H19490.	ug/L	2125	19.39	0.91
H510.5	ug/L	2014.	14.	0.7	H510.5	ug/L	2014.	14.	0.7	H510.5	ug/L	2014.	14.	0.7	H19490.	ug/L	2125	19.39	0.91
H518.4	ug/L	2040.	103.	5.0	H518.4	ug/L	2040.	103.	5.0	H518.4	ug/L	2040.	103.	5.0	H19650.	ug/L	2240	17.68	0.78
H518.4	ug/L	2040.	103.	5.0	H518.4	ug/L	2040.	103.	5.0	H518.4	ug/L	2040.	103.	5.0	H19650.	ug/L	2240	17.68	0.78
H517.7	ug/L	2038.	5.1	0.25	H517.7	ug/L	2038.	5.1	0.25	H517.7	ug/L	2038.	5.1	0.25	H530.4	ug/L	2213	18.85	0.85
H517.7	ug/L	2038.	5.1	0.25	H517.7	ug/L	2038.	5.1	0.25	H517.7	ug/L	2038.	5.1	0.25	H530.4	ug/L	2213	18.85	0.85
H548.4	ug/L	2.820	11.22	395.0	H548.4	ug/L	2.820	11.22	395.0	H548.4	ug/L	2.820	11.22	395.0	H529.5	ug/L	21.83	18.64	86.0
H548.4	ug/L	2.820	11.22	395.0	H548.4	ug/L	2.820	11.22	395.0	H548.4	ug/L	2.820	11.22	395.0	H529.5	ug/L	21.83	18.64	86.0
H541.3	ug/L	3.236	8.628	266.7	H541.3	ug/L	3.236	8.628	266.7	H541.3	ug/L	3.236	8.628	266.7	H524.1	ug/L	21.25	19.39	91.0
H541.3	ug/L	3.236	8.628	266.7	H541.3	ug/L	3.236	8.628	266.7	H541.3	ug/L	3.236	8.628	266.7	H524.1	ug/L	21.25	19.39	91.0
H551.9	ug/L	2.158	13.92	643.7	H551.9	ug/L	2.158	13.92	643.7	H551.9	ug/L	2.158	13.92	643.7	H534.1	ug/L	22.10	17.68	78.0
H551.9	ug/L	2.158	13.92	643.7	H551.9	ug/L	2.158	13.92	643.7	H551.9	ug/L	2.158	13.92	643.7	H534.1	ug/L	22.10	17.68	78.0
H551.8	ug/L	3.065	11.11	362.7	H551.8	ug/L	3.065	11.11	362.7	H551.8	ug/L	3.065	11.11	362.7	H530.4	ug/L	22.13	18.85	85.2
H551.8	ug/L	3.065	11.11	362.7	H551.8	ug/L	3.065	11.11	362.7	H551.8	ug/L	3.065	11.11	362.7	H530.4	ug/L	22.13	18.85	85.2
H6.833	ug/L	8.628	2152.	2493.0	H6.833	ug/L	8.628	2152.	2493.0	H6.833	ug/L	8.628	2152.	2493.0	H2050.	ug/L	2182.	2182.	100.0
H6.833	ug/L	8.628	2152.	2493.0	H6.833	ug/L	8.628	2152.	2493.0	H6.833	ug/L	8.628	2152.	2493.0	H2050.	ug/L	2182.	2182.	100.0
H8.421	ug/L	2.820	11.22	395.0	H8.421	ug/L	2.820	11.22	395.0	H8.421	ug/L	2.820	11.22	395.0	H2042.	ug/L	2172.	2172.	100.0
H8.421	ug/L	2.820	11.22	395.0	H8.421	ug/L	2.820	11.22	395.0	H8.421	ug/L	2.820	11.22	395.0	H2042.	ug/L	2172.	2172.	100.0
H8.429	ug/L	18.81	1.103	5.85	H8.429	ug/L	18.81	1.103	5.85	H8.429	ug/L	18.81	1.103	5.85	H2051.	ug/L	2182.	2182.	100.0
H8.429	ug/L	18.81	1.103	5.85	H8.429	ug/L	18.81	1.103	5.85	H8.429	ug/L	18.81	1.103	5.85	H2051.	ug/L	2182.	2182.	100.0
H10.00	ug/L	13.92	2182.	15600.0	H10.00	ug/L	13.92	2182.	15600.0	H10.00	ug/L	13.92	2182.	15600.0	H2182.	ug/L	2182.	2182.	100.0
H10.00	ug/L	13.92	2182.	15600.0	H10.00	ug/L	13.92	2182.	15600.0	H10.00	ug/L	13.92	2182.	15600.0	H2182.	ug/L	2182.	2182.	100.0

OK

OK

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
Units ug/L ug/L  
Avge H540.1 H494.4  
SDev 4.9 4.1  
%RSD .9062 .8252

#1 H534.5 H489.7  
#2 H543.3 H497.1  
#3 H542.5 H496.3

Errors LC High LC High  
High 50.00 20.00  
Low -50.00 -20.00

intStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	20286	--	--	--	--	--	--
SDev	115.4527	--	--	--	--	--	--
%RSD	.5691345	--	--	--	--	--	--
#1	20415	--	--	--	--	--	--
#2	20249	--	--	--	--	--	--
#3	20193	--	--	--	--	--	--

Method: LK1 Sample Name: 0908023  
Run Time: 09/12/96 14:50:25  
Comment:  
Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1033.	29550.	17.07	7.604	308.0	.8949	1410.
SDev	4.	147.	.81	1.778	.7	.0208	7.
%RSD	.4264	.4986	4.745	23.39	.2173	2.323	.4952
#1	1029.	29430.	17.84	9.654	307.3	.9029	1404.
#2	1032.	29500.	16.23	6.469	308.1	.9104	1408.
#3	1038.	29720.	17.15	6.689	308.6	.8713	1418.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	12.16	7.663	39.23	58.25	34530.	1204.	3760.
SDev	.20	.452	.31	.10	191.	12.	18.
%RSD	1.621	5.900	.8012	.1667	.5544	1.004	.4917
#1	12.36	7.217	38.89	58.25	34370.	1197.	3748.
#2	12.17	7.651	39.51	58.15	34470.	1196.	3752.
#3	11.96	8.121	39.30	58.35	34740.	1218.	3782.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	277.5	1.725	22.17	30.07	45.80	36.85	39.83
SDev	1.3	.398	123.1	.72	3.56	.71	.93
%RSD	.4819	23.05	555.2	2.396	7.780	1.922	2.333
#1	276.5	1.672	-95.06	29.24	42.75	37.67	39.36
#2	277.0	1.357	11.18	30.43	49.72	36.50	40.90
#3	279.0	2.147	150.4	30.53	44.93	36.39	39.23

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1.395	-1.120	-8.426	6.297	16.63	934.7	-1.069
SDev	1.222	2.180	1.099	2.061	.62	3.9	1.572
%RSD	87.61	194.6	13.04	32.73	3.749	.4156	147.1
#1	1.376	-1.620	-7.209	5.661	17.23	931.7	-2.883
#2	.1824	1.266	-8.726	4.629	16.67	933.3	-1.285
#3	2.626	-3.008	-9.344	8.601	15.99	939.1	-0.096

030096

NOCHECK NOCHECK NOCHECK NOCHECK LC Pass



Analysis Report

Thu 09-12-96 02:54:56 PM

LOW	-5.000	-60.00	-10.00
-----	--------	--------	--------

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avgc	63.21	93.55
SDev	.69	.63
%RSD	1.089	.6717

#1	62.77	93.15
#2	62.86	93.23
#3	64.01	94.28

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

Intstd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avgc	20752	---	---	---	---	---	---
SDev	32.53204	---	---	---	---	---	---
%RSD	.1567633	---	---	---	---	---	---

#1	20754
#2	20784
#3	20719

Method: LRI Sample Name: 0908023D  
 Run Time: 09/12/96 14:55:01  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1045.	25000.	13.54	5.279	269.4	.7770	1070.
SDev	6.	155.	3.64	1.708	1.7	.0181	8.
%RSD	.6066	.6213	26.92	32.36	.6259	2.325	.7446
#1	1052.	25170.	13.14	4.866	271.2	.7742	1079.
#2	1042.	24960.	10.10	7.157	269.0	.7605	1067.
#3	1040.	24870.	17.36	3.815	267.9	.7963	1063.
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	11.30	6.679	34.60	40.32	32240.	840.4	3016.
SDev	.16	.310	.54	.37	210.	18.9	25.
%RSD	1.425	4.644	1.566	.9153	.6500	2.249	.8237
#1	11.42	6.543	35.21	40.69	32470.	855.1	3044.
#2	11.36	7.034	34.40	39.95	32160.	847.0	3006.
#3	11.12	6.460	34.18	40.31	32080.	819.1	2997.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	252.2	.5824	-5.300	17.36	43.93	37.14	39.40
SDev	1.8	.5721	129.91	.37	1.42	.84	.51
%RSD	.7159	98.24	2451.	2.143	3.228	2.256	1.301
#1	254.2	.7440	139.4	16.93	45.33	37.14	39.87
#2	251.4	1.056	-43.23	17.55	43.97	36.30	38.86
#3	250.9	-.0532	-112.0	17.61	42.50	37.98	39.48
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	3.118	-1.258	-6.136	7.737	14.41	830.3	-4.410
SDev	1.015	2.136	1.396	.834	1.82	5.0	.288
%RSD	32.56	169.9	22.76	10.78	12.60	.5991	6.526
#1	1.983	-1.837	-7.639	6.786	15.62	836.0	-4.494
#2	3.432	1.109	-5.891	8.086	15.29	828.4	-4.089
#3	3.939	-3.044	-4.878	8.341	12.32	826.6	-4.986

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 57.69 85.05  
 SDev .56 .55  
 %RSD .9753 .6492

#1 58.30 85.69  
 #2 57.58 84.75  
 #3 57.19 84.71

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20546	--	--	--	--	--	--
SDev	128.1054	--	--	--	--	--	--
%RSD	.6235054	--	--	--	--	--	--

#1 20421 -- -- -- -- -- --  
 #2 20540 -- -- -- -- -- --  
 #3 20677 -- -- -- -- -- --

Method: LRI

Sample Name: 0908023S

Operator:

Run Time: 09/12/96 14:59:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	A13082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	1090.	33940.	57.88	1879.	2298.	47.44	21220.
SDev	3.	114.	1.50	4.	3.	.18	75.
%RSD	.2928	.3371	2.599	.2080	.1197	.3885	.3524
#1	1089.	33910.	58.56	1876.	2298.	47.46	21210.
#2	1087.	33840.	58.92	1878.	2295.	47.24	21150.
#3	1094.	34060.	56.15	1884.	2300.	47.61	21300.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	58.51	462.8	248.6	278.7	32390.	23240.	22630.
SDev	.46	2.0	.9	1.4	136.	52.	82.
%RSD	.7897	.4383	.3717	.4994	.4185	.2253	.3645
#1	58.47	463.4	248.8	278.9	32360.	23230.	22620.
#2	58.08	460.5	247.6	277.2	32270.	23190.	22550.
#3	59.00	464.4	249.4	279.9	32530.	23290.	22710.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	769.2	1843.	17850.	513.3	64.98	51.73	56.14
SDev	2.8	8.	154.	1.0	2.41	2.21	.71
%RSD	.3605	.4188	.8648	.1942	3.716	4.265	1.265
#1	768.0	1838.	18000.	514.3	67.72	49.18	55.36
#2	767.2	1839.	17690.	512.3	63.17	52.92	56.33
#3	772.3	1852.	17870.	513.3	64.05	53.09	56.74

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2058	Te1960-1	Te1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	12.07	424.1	2.087	17.05	1879.	3002.	41.89
SDev	1.90	8.2	.706	2.96	7.	9.	2.73
%RSD	15.75	1.941	33.84	17.35	.3777	.3121	6.508
#1	11.37	432.2	2.900	15.59	1876.	3001.	42.99
#2	10.62	415.8	1.631	15.10	1874.	2994.	43.89
#3	14.22	424.4	1.730	20.46	1887.	3012.	38.78

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High							20000.
Low							

Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	563.2	552.2
SDev	2.0	1.6
%RSD	.3595	.2819

#1	562.5	551.9
#2	561.7	550.8
#3	565.5	553.9

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	20591	---	---	---	---	---	---
SDev	95.31002	---	---	---	---	---	---
%RSD	.4628722	---	---	---	---	---	---
#1	20481	---	---	---	---	---	---
#2	20643	---	---	---	---	---	---
#3	20649	---	---	---	---	---	---

Analysis Report

Thu 09-12-96 03:08:44 PM

Method: LRI Sample Name: CCV-1-6

Operator:

Run Time: 09/12/96 15:04:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	500.2	48930.	502.1	514.1	516.9	475.3	49310.
SD	2.1	228.	1.9	4.9	2.3	2.3	237.
%RSD	.4221	.4651	.3773	.9507	.4516	.4871	.4805

#1	498.7	48780.	503.7	511.2	515.4	473.7	49170.
#2	502.6	49190.	500.0	519.7	519.6	478.0	49580.
#3	499.3	48810.	502.5	511.3	515.7	474.3	49170.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	55000.	550.0	550.0	550.0	550.0	55000.
Low	450.0	45000.	450.0	450.0	450.0	450.0	45000.

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	477.6	480.1	498.6	515.0	48520.	48450.	47470.
SD	1.9	1.9	2.5	2.1	236.	185.	236.
%RSD	.3918	.3934	.4989	.4122	.4860	.3818	.4962

#1	475.9	479.5	496.5	513.4	48360.	48360.	47320.
#2	479.6	482.2	501.4	517.4	48790.	48670.	47750.
#3	477.2	478.6	498.0	514.3	48410.	48340.	47360.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	550.0	550.0	550.0	55000.	55000.	55000.
Low	450.0	450.0	450.0	450.0	45000.	45000.	45000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	520.9	487.2	46490.	478.2	469.8	462.2	464.7
SD	2.6	2.5	90.	2.0	2.9	3.3	2.7
%RSD	.5055	.5092	.1946	.4148	.6164	.7144	.5854

#1	519.0	484.8	46550.	477.5	469.6	458.6	462.3
#2	523.9	489.8	46520.	480.4	472.8	465.1	467.6
#3	519.8	486.9	46380.	475.6	467.0	462.8	464.2

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	550.0	550.0	55000.	550.0			550.0
Low	450.0	450.0	45000.	450.0			450.0

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	485.4	518.4	478.1	489.0	487.4	513.3	469.6
SD	2.7	1.7	.6	4.2	1.3	2.1	5.8
%RSD	.5460	.3278	.1262	.8651	.2740	.4140	1.235

#1	484.3	518.8	478.6	487.1	487.9	512.0	483.7
#2	488.4	519.9	477.4	493.9	488.5	515.7	475.3
#3	488.2	516.6	478.9	486.1	485.9	512.2	469.8

Instid	Mode	*Counts	Y	Wavelength	Avg	SDev	%RSD	#1	#2	#3	Errors	LC Pass	High	Low
1	Mode	*Counts	Y	Wavelength	Avg	SDev	%RSD	487.4	490.8	486.6	LC Pass	550.0	450.0	450.0
2	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	475.4	480.2	475.8	LC Pass	550.0	450.0	450.0
3	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED							
4	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED							
5	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED							
6	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED							
7	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED							

000203

Analysis Report

Thu 09-12-96 03:13:20 PM

Method: LRI Sample Name: CCB-1-6  
 Run Time: 09/12/96 15:08:49  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.1927	21.05	-.3546	1.421	.1287	.0019	-.9123
SDev	.1736	5.77	.4217	1.038	.0136	.0529	.2317
%RSD	90.11	27.39	118.9	73.04	10.54	2854.	25.40

#1	.2247	26.93	-.2087	.2239	.1281	-.0574	-.8052
#2	.0053	15.40	-.8298	1.969	.1155	.0441	-1.178
#3	.3481	20.83	-.0251	2.069	.1426	.0189	-.7535

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00	10.00	200.0	5.000	5000.
Low	-5.000	-200.0	-10.00	-25.00	-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.1603	-.0236	-.0278	-.1634	.2013	15.04	-.0894
SDev	.0937	.4914	.2170	.4181	4.126	12.16	1.4126
%RSD	58.46	2078.	779.4	256.0	2049.	80.89	1580.

#1	-.1053	.3347	-.2290	-.6170	-3.248	28.67	.7480
#2	-.2686	-.5838	-.0567	.2067	-.9197	11.12	.7041
#3	-.1072	.1781	.2022	-.0799	4.772	5.313	-1.720

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn23-1	Zn23-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.0010	.9125	37.36	.6708	.2368	.9401	.7064
SDev	.0425	.4871	71.20	.2657	2.427	2.932	1.201
%RSD	4152.	53.38	190.6	39.60	1025.	311.9	170.1

#1	-.0480	1.402	2.232	.8308	3.007	-2.416	-.6096
#2	.0255	.9081	-9.455	.3641	-.7804	3.005	1.745
#3	.0255	.4276	119.3	.8174	-1.517	2.232	.9839

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sr1899	Th3372	U1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.9893	-.0382	.7280	-1.847	-.2558	.3748	.8583
SDev	1.5260	5.7531	1.197	2.248	1.1566	.1155	2.241
%RSD	154.3	15060.	164.5	121.7	452.1	30.83	261.1

#1	-2.750	2.741	.5052	-4.376	-1.111	.5081	-.2620
#2	-.1636	3.798	-.3424	-.0749	-.7170	.3077	3.439
#3	-.1636	3.798	-.3424	-.0749	-.7170	.3082	-1.6019



Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	-.7126	.1570
SDev	.4521	.0685
%RSD	63.45	43.65

#1	-1.235	.2048
#2	-.4514	.1877
#3	-.4517	.0785

Errors	LC Pass	LC Pass
High	50.00	20.00
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	20257	--	--	--	--	--	--
SDev	104.0000	--	--	--	--	--	--
%RSD	.5134028	--	--	--	--	--	--
#1	20137	--	--	--	--	--	--
#2	20321	--	--	--	--	--	--
#3	20313	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 03:17:56 PM

Method: LRI Sample Name: 0908023L  
 Run Time: 09/12/96 15:13:25  
 Comment:  
 Mode: CONC CORR. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	202.0	6235.	4.241	1.224	64.28	.1305	519.2
SDev	.7	11.	.445	.243	.18	.0547	1.0
%RSD	.3387	.1826	10.48	19.86	.2870	41.93	.1906

#1	201.4	6225.	4.470	1.244	64.07	.1914	518.2
#2	201.7	6233.	4.524	1.457	64.35	.1145	520.1
#3	202.7	6248.	3.729	.9720	64.42	.0856	519.3

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	2.556	1.370	8.267	16.00	7228.	378.7	831.0
SDev	.119	.382	.325	.46	20.	7.9	1.7
%RSD	4.651	27.90	3.927	2.902	.2737	2.073	.2061

#1	2.572	1.414	7.920	15.48	7209.	369.7	829.3
#2	2.667	.9674	8.564	16.35	7249.	383.9	832.7
#3	2.430	1.728	8.315	16.18	7227.	382.6	830.8

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	58.91	.3165	129.2	8.304	9.302	9.016	9.111
SDev	.19	.7825	113.0	.621	.213	.646	.501
%RSD	.3176	247.2	87.49	7.474	2.287	7.165	5.499

#1	58.73	1.215	-1.148	7.879	9.363	9.090	9.181
#2	58.89	-.2126	188.4	8.015	9.477	9.621	9.574
#3	59.10	-.0532	200.3	9.016	9.065	8.336	8.579

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sn1899	Te13372	Te11908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-2.401	-.9173	-5.609	-1.8888	4.271	193.3	-1.264
SDev	1.768	5.0285	2.274	1.8888	1.208	.5	.555
%RSD	73.60	548.2	40.53	236.0	28.28	.2353	43.93

#1	-1.7042	-6.066	-4.785	1.332	5.625	192.8	-1.760
#2	-4.232	3.982	-8.180	-2.261	3.887	193.5	-1.6639

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 13.08 52.06  
 SDev .49 .20  
 %RSD 3.749 .3837

#1 13.09 52.00  
 #2 12.58 52.28  
 #3 13.56 51.90

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20453	--	--	--	--	--	--
SDev	69.42862	--	--	--	--	--	--
%RSD	.3394600	--	--	--	--	--	--
#1	20532	--	--	--	--	--	--
#2	20423	--	--	--	--	--	--
#3	20403	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 03:22:32 PM

Method: LRI  
 Run Time: 09/12/96 15:18:01  
 Comment:  
 Mode: CONC Corr. Factor: 1

Sample Name: 0908024  
 Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-1.055	41240.	6.902	12.48	75.82	2.152	619.6
SDev	.0665	159.	1.219	1.22	.31	.063	3.8
%RSD	63.02	.3861	17.67	9.787	.4138	2.905	.6158
#1	-1502	41420.	5.532	13.83	76.16	2.081	624.0
#2	-0.0291	41150.	7.868	12.17	75.55	2.180	617.4
#3	-1372.	41140.	7.307	11.45	75.74	2.196	617.4
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.1709	44.25	50.44	33.24	61750.	1809.	7136.
SDev	.1341	1.00	.30	.13	215.	20.	29.
%RSD	78.45	2.255	.5857	.3814	.3484	1.103	.4073
#1	.3160	45.40	50.70	33.22	61990.	1832.	7170.
#2	.1452	43.77	50.12	33.38	61630.	1802.	7121.
#3	.0516	43.59	50.50	33.13	61610.	1794.	7118.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn03-1	Zn03-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1492.	3.385	-95.87	29.10	33.14	19.50	24.04
SDev	5.	.561	91.46	.43	1.82	.73	.67
%RSD	.3745	16.57	95.40	1.469	5.503	3.733	2.777
#1	1498.	3.566	.6246	29.15	35.12	19.01	24.38
#2	1489.	2.756	-106.9	28.65	32.77	20.34	24.48
#3	1488.	3.833	-181.3	29.50	31.53	19.15	23.27
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sm1899	Th3372	Th1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	4.769	.8992	-6.706	10.50	40.44	1875.	-2.563
SDev	.453	2.891	3.190	1.97	1.75	8.	.949
%RSD	9.506	321.5	47.56	18.73	4.334	.4020	37.05
#1	4.484	-2.036	-3.072	8.256	41.69	1883.	-3.564
#2	5.292	3.744	-8.004	11.93	41.19	1870	-1.675
#3	4.532	.9904	-9.043	11.31	38.44	1873	-2.450

Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avg	92.11	87.05
SDev	.58	.86
%RSD	.6284	.9919

#1	92.74	87.91
#2	91.98	87.07
#3	91.61	86.18

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	20830	--	--	--	--	--	--
SDev	128.4225	--	--	--	--	--	--
%RSD	.6165167	--	--	--	--	--	--
#1	20690	--	--	--	--	--	--
#2	20859	--	--	--	--	--	--
#3	20942	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 03:27:09 PM

page 1

Method: LRI Sample Name: 0908025  
 Run Time: 09/12/96 15:22:37  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	-.1218	42740.	5.406	18.14	78.28	2.236	545.2
SDev	.7439	128.	3.385	.57	.27	.026	1.1
%RSD	610.6	.2989	62.61	3.137	.3471	1.162	.2075

#1	.3099	42600.	6.905	17.80	77.97	2.225	544.2
#2	-.9808	42850.	1.530	18.80	78.41	2.217	546.4
#3	.3054	42770.	7.782	17.82	78.46	2.266	545.0

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	-.3106	35.22	50.20	33.86	63110.	1849.	7339.
SDev	.1995	.34	.13	.35	156.	3.	10.
%RSD	64.24	.9520	.2510	1.023	.2476	.1720	.1422

#1	-.3299	35.49	50.27	34.17	62940.	1845.	7329.
#2	-.4998	35.33	50.28	33.49	63250.	1849.	7349.
#3	-.1021	34.85	50.06	33.91	63130.	1851.	7340.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	1178.	1.664	-196.9	27.66	28.91	20.98	23.62
SDev	3.	.680	74.8	.68	2.94	1.56	1.17
%RSD	.2529	40.88	37.96	2.457	10.16	7.457	4.945

#1	1175.	1.351	-264.5	27.05	27.20	22.76	24.24
#2	1181.	1.197	-209.7	27.54	27.23	19.80	22.28
#3	1179.	2.445	-116.6	28.39	32.30	20.39	24.36

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	2.699	-2.516	-12.31	10.19	29.48	1937.	-1.813
SDev	.419	2.298	4.87	2.66	1.33	5.	.831
%RSD	15.51	91.33	39.56	26.11	4.502	.2732	45.83

#1	2.905	-2.209	-17.84	13.26	28.18	1932.	-1.8571
#2	2.975	-4.952	-3.657	8.781	30.83	1942.	-2.220

Low	-5.000	-60.00										-10.00
Elem	V_2924	Zn2062										
Units	ug/L	ug/L										
Avge	96.75	91.18										
SDev	.69	.25										
%RSD	.7173	.2750										
#1	96.05	90.96										
#2	96.78	91.12										
#3	97.43	91.46										
Errors	LC Pass	LC Pass										
High	20000.	20000.										
Low	-50.00	-20.00										

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	20851	--	--	--	--	--	--
SDev	18.61003	--	--	--	--	--	--
%RSD	.0892539	--	--	--	--	--	--
#1	20868	--	--	--	--	--	--
#2	20831	--	--	--	--	--	--
#3	20853	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 03:31:45 PM

Method: LRI  
 Run Time: 09/12/96 15:27:13  
 Comment:  
 Mode: CONC Corr. Factor: 1

Sample Name: 0908026

Operator:

Elem	AG3280	A13082	AS1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	611.7	25240.	17.31	11.63	1139.	.8567	3361.
SDev	3.2	188.	1.89	1.62	5.	.0412	28.
%RSD	.5181	.7445	10.94	13.93	.4385	4.809	.8418
#1	608.1	25020.	16.41	12.05	1134.	.8989	3328.
#2	613.0	25360.	19.48	9.841	1143.	.8166	3376.
#3	614.0	25330.	16.02	13.00	1142.	.8546	3379.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	9.728	6.730	32.95	41.87	34430.	865.0	3371.
SDev	.121	.320	.63	.48	282.	18.0	25.
%RSD	1.240	4.753	1.915	1.139	.8180	2.080	.7563
#1	9.589	6.421	32.28	41.49	34110.	845.4	3342.
#2	9.802	7.060	33.02	41.72	34600.	880.8	3384.
#3	9.794	6.708	33.54	42.41	34590.	868.7	3388.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	423.2	1.457	184.3	20.06	61.70	49.28	53.41
SDev	3.4	.745	14.1	1.00	1.74	1.18	1.37
%RSD	.7961	51.13	7.638	5.006	2.817	2.397	2.557
#1	419.3	1.192	197.6	19.25	60.21	48.33	52.29
#2	425.2	2.298	185.7	19.74	63.61	50.60	54.93
#3	425.1	.8808	169.6	21.18	61.27	48.90	53.02

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Se2068	1960-1	1960-2	Sh1899	Ti3372	Ti1908
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	.7406	-.0326	-6.681	4.445	15.48	833.9	-5.155
SDev	1.133	1.8850	5.071	.882	2.11	5.3	1.358
%RSD	153.0	5780.	75.89	19.84	13.61	.6368	26.35

#1	.5031	-1.840	-6.926	4.212	13.08	827.8	-3.588
#2	-.2550	-.1798	-11.62	5.421	16.33	837.5	-5.991
#3	1.974	1.922	-1.493	3.704	17.04	836.4	-5.887



Analysis Report

Thu 09-12-96 03:31:45 PM

page 2

Low -5.000 -60.00 -10.00

Elem V\_2924 zn2062  
Units ug/L ug/L  
Avge 62.99 89.50  
SDev .95 .92  
%RSD 1.503 1.032

#1 61.91 88.44  
#2 63.67 89.93  
#3 63.39 90.13

Errors LC Pass LC Pass  
High 20000. 20000.  
Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20865	--	--	--	--	--	--
SDev	85.45369	--	--	--	--	--	--
%RSD	.4095617	--	--	--	--	--	--

#1 20913 -- -- -- -- -- --  
#2 20766 -- -- -- -- -- --  
#3 20915 -- -- -- -- -- --

Analysis Report

Thu 09-12-96 03:36:21 PM

Method: LRI  
 Run Time: 09/12/96 15:31:49  
 Comment:  
 Mode: CONC Corr. Factor: 1

Sample Name: 0908028

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	428.6	34030.	23.45	14.94	226.2	1.001	1264.
SDev	.8	83.	.86	1.09	.5	.053	3.
%RSD	.1881	.2425	3.652	7.289	.2401	5.339	.2027

#1	428.6	33990.	23.38	13.84	225.9	.9412	1262.
#2	427.8	33970.	22.64	16.02	225.8	1.016	1263.
#3	429.4	34120.	24.35	14.95	226.8	1.045	1267.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	8.356	8.204	40.59	40.72	38330.	1238.	3733.
SDev	.100	.077	.13	.17	100.	4.	10.
%RSD	1.195	.9413	.3202	.4226	.2599	.3293	.2748

#1	8.305	8.122	40.69	40.90	38260.	1243.	3730.
#2	8.471	8.215	40.44	40.71	38290.	1235.	3725.
#3	8.293	8.275	40.64	40.55	38450.	1236.	3745.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Pb2203-1	Pb2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	321.3	1.495	44.68	22.35	65.84	53.28	57.46
SDev	.7	.463	77.59	.42	1.08	.95	.88
%RSD	.2092	30.94	173.7	1.899	1.641	1.792	1.539

#1	321.0	1.502	89.85	21.86	66.78	53.12	57.67
#2	320.9	1.029	89.10	22.52	64.66	52.42	56.49
#3	322.1	1.954	-44.91	22.66	66.07	54.31	58.23

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sr1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	3.238	3.949	-1.731	5.718	20.61	1105.	-3.002
SDev	.738	1.173	3.928	1.363	1.30	2.	1.917
%RSD	22.78	29.72	226.9	23.84	6.320	.2239	63.86

#1	2.515	5.235	-6.193	6.862	19.15	1103.	-3876
#2	3.989	2.936	-2039	6.082	21.03	1104.	-4627
#3	3.209	3.676	1.204	4.209	21.65	1108.	2143

Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	77.66	83.71
SDev	.31	.22
%RSD	.4004	.2686

#1	77.89	83.52
#2	77.78	83.64
#3	77.30	83.96

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21025	--	--	--	--	--	--
SDev	81.29781	--	--	--	--	--	--
%RSD	.3866782	--	--	--	--	--	--
#1	20932	--	--	--	--	--	--
#2	21058	--	--	--	--	--	--
#3	21084	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 03:40:57 PM

Method: LRI  
 Run Time: 09/12/96 15:36:25  
 Comment:  
 Mode: CONC Corr. Factor: 1

Sample Name: 0908029

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-0.1267	34060.	3.656	12.22	67.68	1.522	606.7
SD	.3233	106.	3.853	.41	.21	.014	2.6
%RSD	255.1	.3106	105.4	3.346	.3130	.8963	.4294

#1	-1.1582	34110.	7.611	12.49	67.68	1.508	607.9
#2	.2112	33930.	3.442	11.75	67.47	1.535	603.8
#3	-.4332	34130.	-.0860	12.42	67.89	1.524	608.5

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.7428	23.57	41.60	18.75	43340.	1734.	5613.
SD	.2332	.06	.27	.35	150.	14.	20.
%RSD	31.40	.2447	.6592	1.870	.3471	.7984	.3652

#1	.9785	23.54	41.63	19.12	43400.	1736.	5619.
#2	.7376	23.55	41.31	18.43	43170.	1719.	5591.
#3	.5122	23.64	41.85	18.69	43460.	1747.	5631.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	759.2	1.540	-59.12	25.09	26.19	15.11	18.80
SD	2.7	.497	91.94	.54	1.35	1.10	.73
%RSD	.3511	32.30	155.5	2.141	5.156	7.291	3.908

#1	760.3	2.108	46.51	25.71	26.96	13.87	18.23
#2	756.2	1.328	-102.7	24.78	24.63	15.51	18.55
#3	761.2	1.184	-121.2	24.79	26.98	15.96	19.63

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Sa1960	Sb2068	1960-1	1960-2	Sr1899	Tl3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.7597	-2.896	-8.557	5.411	24.58	1513.	-3.291
SD	1.634	3.898	2.621	2.365	1.81	6.	1.490
%RSD	215.1	134.6	30.63	43.71	7.371	.4023	45.28

#1	-1.010	1.606	-10.49	3.721	26.65	1516.	-4.168
#2	2.212	-5.130	-9.611	8.114	23.27	1506.	-1.570
#3	1.077	-5.163	-5.573	4.397	23.83	1518.	-1.435

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 71.63 103.5  
 SDev .49 .6  
 %RSD .6789 .6174

#1 71.87 103.6  
 #2 71.08 102.9  
 #3 71.96 104.1

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	21119	--	--	--	--	--	--
SDev	79.95624	--	--	--	--	--	--
%RSD	.3785986	--	--	--	--	--	--
#1	21087	--	--	--	--	--	--
#2	21210	--	--	--	--	--	--
#3	21060	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 03:45:33 PM

page 1

Method: LK1 Sample Name: 0908030  
 Run Time: 09/12/96 15:41:02  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	2096.	20090.	9.796	4.138	1133.	.9256	1290.
SDev	11.	117.	1.310	.646	6.	.0404	7.
%RSD	.5114	.5816	13.37	15.62	.5555	4.369	.5274
#1	2104.	20120.	8.293	3.848	1136.	.8832	1294.
#2	2084.	19970.	10.70	3.687	1126.	.9638	1282.
#3	2101.	20200.	10.40	4.878	1138.	.9296	1294.
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	10.40	3.598	53.35	172.8	24180.	700.3	2317.
SDev	.18	.111	.59	1.2	149.	19.3	12.
%RSD	1.698	3.083	1.115	.6699	.6146	2.757	.4979
#1	10.57	3.710	53.53	173.0	24260.	707.7	2324.
#2	10.22	3.595	52.68	171.5	24010.	678.4	2304.
#3	10.40	3.488	53.83	173.8	24280.	714.8	2324.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	176.2	1.221	50.17	18.69	90.70	83.99	86.22
SDev	1.1	.236	96.53	.60	2.95	1.07	.68
%RSD	.6025	19.35	192.4	3.187	3.251	1.279	.7853
#1	176.6	1.482	156.3	18.97	93.62	83.66	86.97
#2	174.9	1.161	-32.33	19.09	90.75	83.12	85.66
#3	176.9	1.021	26.51	18.01	87.72	85.19	86.03
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	4.025	2.426	-4.699	8.380	16.77	705.8	-3.688
SDev	.588	.551	3.713	.980	.66	4.1	2.764
%RSD	14.62	22.72	79.02	11.69	3.924	.5869	74.94
#1	4.704	2.587	-.4176	7.260	17.46	707.8	-1.753
#2	3.713	1.812	-7.036	9.079	16.15	701.0	-2.458
#3	3.658	2.879	-6.644	8.801	16.71	708.6	-6.854

Intstd	Mode	*Counts	Y	Wavlen	Ave	SDev	%RSD	#1	#2	#3	Errors	High	Low
1	LC Pass	20000.	21205	371.030	21289	135.2331	.6852254	63.29	62.76	63.62	LC Pass	20000.	-50.00
2	LC Pass	20000.	21445	371.030	21289	135.2331	.6852254	72.91	73.12	74.45	LC Pass	20000.	-20.00
3	NOTUSED	NOTUSED	21205	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
4	NOTUSED	NOTUSED	21445	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
5	NOTUSED	NOTUSED	21205	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
6	NOTUSED	NOTUSED	21445	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
7	NOTUSED	NOTUSED	21217	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

-10.00

Analysis Report

Thu 09-12-96 03:50:10 PM

Method: LK1  
 Run Time: 09/12/96 15:45:39  
 Comment:  
 Mode: CONC Corr. Factor: 1

Sample Name: 0908031

Operator:

Elem	AG3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.5793	34570.	6.839	6.336	60.38	1.510	582.0.
SDev	.5755	86.	3.578	.717	.18	.017	1.7
%RSD	99.35	.2501	52.31	11.32	.3032	1.096	.2863

#1	-.0383	34580.	7.601	7.026	60.33	1.523	593.7
#2	1.101	34480.	2.942	5.594	60.22	1.516	580.4
#3	.6756	34660.	9.975	6.387	60.58	1.492	581.9

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.0287	20.87	42.85	20.85	46710.	1524.	5556.
SDev	.1511	.43	.27	.49	90.	8.	24.
%RSD	525.7	2.075	.6218	2.366	.1934	.5309	.4315

#1	.1234	21.32	42.62	20.58	46770.	1533.	5580.
#2	-.0309	20.45	43.14	21.42	46610.	1522.	5532.
#3	-.1788	20.85	42.79	20.55	46760.	1517.	5556.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	505.3	2.243	-39.65	25.84	25.70	14.99	18.55
SDev	1.0	.304	162.92	.34	3.90	1.87	.68
%RSD	.1989	13.57	410.9	1.334	15.16	12.47	3.684

#1	506.0	2.550	105.8	26.19	30.15	13.00	18.71
#2	504.1	2.237	-9.130	25.50	22.91	15.26	17.81
#3	505.7	1.942	-215.7	25.81	24.03	16.71	19.15

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	2.526	-1.7482	-6.048	6.806	28.54	1709.	-2.033
SDev	2.430	1.2884	4.268	2.514	.73	4.	2.613
%RSD	96.18	172.2	70.58	36.93	2.546	.2215	128.5

#1	4.260	.0009	-1.188	6.979	28.50	1710.	-2.706
#2	3.569	-.0095	-7.767	9.229	27.84	1705.	-4.243
#3	-.2508	-2.236	-9.188	4.210	29.29	1712.	.8503



Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062
Units ug/L ug/L
Avge 72.47 68.78
SDev .58 .14
%RSD .7962 .1976

#1 72.62 68.73
#2 71.83 68.93
#3 72.96 68.67

Errors LC Pass LC Pass
High 20000. 20000.
Low -50.00 -20.00

Table with 8 columns: IntStd, Mode, Elem, Wavlen, Avge, SDev, %RSD, and sample numbers #1-#3. Values include counts and 'NOTUSED' for most parameters.

Analysis Report

Thu 09-12-96 03:54:46 PM

page 1

Method: LRI Sample Name: 0908032  
 Run Time: 09/12/96 15:50:15  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	428.0	23440.	14.96	13.85	351.6	.7785	2187.
SDev	1.2	99.	.54	.89	1.1	.0511	8.
%RSD	.2883	.4218	3.635	6.406	.3068	6.563	.3616

#1	429.1	23530.	14.49	12.97	352.6	.7262	2195.
#2	426.7	23340.	15.56	13.83	350.4	.8283	2179.
#3	428.3	23460.	14.83	14.75	351.9	.7811	2188.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	6.865	7.301	31.00	38.90	29480.	865.2	3122.
SDev	.303	.187	.52	.26	84.	18.5	14.
%RSD	4.409	2.562	1.686	.6600	.2852	2.134	.4451

#1	7.066	7.490	31.24	39.09	29560.	883.9	3135.
#2	6.517	7.116	30.41	38.61	29390.	847.0	3107.
#3	7.013	7.296	31.37	39.00	29480.	864.8	3124.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	280.7	.8634	-54.57	17.62	47.33	41.70	43.58
SDev	1.0	.4619	111.90	.55	.50	.56	.31
%RSD	.3683	53.50	205.0	3.112	1.051	1.337	.7016

#1	281.5	1.328	-157.7	17.06	47.04	42.34	43.91
#2	279.6	.8577	-70.50	17.64	47.90	41.33	43.52
#3	281.0	.4044	64.44	18.15	47.04	41.44	43.31

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1.691	-.6413	-4.954	5.008	15.96	909.2	-3.581
SDev	2.378	.7283	5.115	2.284	1.34	3.5	1.836
%RSD	140.6	113.6	103.3	45.61	8.393	.3900	51.29

#1	1.758	-1.136	-1.074	3.171	14.58	912.6	-2.503
#2	-.7196	-.9827	-10.75	4.288	17.26	905.6	-2.521
#3	4.036	1.450	-3.037	7.566	16.02	909.4	-2.537

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 78.59 73.06  
 SDev .84 .41  
 %RSD 1.063 .5629

#1 78.49 73.49  
 #2 77.81 72.67  
 #3 79.47 73.02

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21334	--	--	--	--	--	--
SDev	116.8888	--	--	--	--	--	--
%RSD	.5478993	--	--	--	--	--	--
#1	21212	--	--	--	--	--	--
#2	21445	--	--	--	--	--	--
#3	21345	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 03:59:22 PM

page 1

Method: LRI Sample Name: 0908033  
 Run Time: 09/12/96 15:54:51  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1687.	34270.	6.008	6.679	612.8	1.192	2764.
SDev	4.	94.	1.365	1.480	.8	.026	6.
%RSD	.2209	.2744	22.72	22.15	.1346	2.203	.2246
#1	1683.	34180.	4.963	7.349	612.2	1.173	2759.
#2	1687.	34280.	5.508	7.705	612.5	1.183	2763.
#3	1690.	34360.	7.552	4.983	613.7	1.222	2771.
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	5.199	9.231	45.43	62.97	35320.	1114.	3546.
SDev	.040	.326	.11	.48	98.	5.	9.
%RSD	.7763	3.527	.2464	.7593	.2770	.4347	.2475
#1	5.188	8.878	45.37	62.59	35230.	1112.	3539.
#2	5.244	9.295	45.36	62.82	35320.	1112.	3543.
#3	5.166	9.520	45.56	63.51	35420.	1120.	3556.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	261.6	1.125	372.3	21.42	83.85	72.81	76.49
SDev	.7	.469	98.7	.53	1.90	.55	.93
%RSD	.2773	41.70	26.51	2.477	2.268	.7604	1.216
#1	260.8	.7159	323.1	21.70	83.52	72.29	76.03
#2	261.6	1.021	307.9	21.74	82.14	72.75	75.88
#3	262.2	1.637	486.0	20.81	85.90	73.39	77.56
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Tl3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	2.770	3.405	-5.561	6.928	20.74	1169.	-4.850
SDev	2.245	1.004	1.764	3.446	1.61	3.	1.144
%RSD	81.05	29.48	31.72	49.74	7.750	.2209	23.59
#1	.2204	4.561	-5.268	2.960	21.66	1166.	-4.409
#2	3.637	2.753	-7.453	9.174	21.67	1168.	-3.993
#3	4.451	2.901	-8.961	8.650	18.88	1171.	-6.149

Analysis Report

Thu 09-12-96 03:59:22 PM

page 2

Low	-5.000	-60.00						-10.00
Elem	V_2924	Zn2062						
Units	ug/L	ug/L						
Avge	79.58	75.24						
SDev	.68	.34						
%RSD	.8551	.4555						
#1	79.18	75.26						
#2	79.20	74.89						
#3	80.37	75.58						
Errors	LC Pass	LC Pass						
High	20000.	20000.						
Low	-50.00	-20.00						
IntStd	1	2	3	4	5	6	7	
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	
Elem	Y	--	--	--	--	--	--	
Wavlen	371.030	--	--	--	--	--	--	
Avge	21189	--	--	--	--	--	--	
SDev	21.82506	--	--	--	--	--	--	
%RSD	.1030035	--	--	--	--	--	--	
#1	21165	--	--	--	--	--	--	
#2	21208	--	--	--	--	--	--	
#3	21193	--	--	--	--	--	--	

Analysis Report

Thu 09-12-96 04:03:59 PM

Method: LRI Sample Name: CCV-1-7

Operator:

Run Time: 09/12/96 15:59:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	506.3	49640.	509.7	520.4	523.7	484.2	50300.
SDev	1.7	119.	2.7	2.1	1.1	1.4	156.
%RSD	.3270	.2401	.5279	.4071	.2104	.2856	.3101
#1	508.1	49750.	511.4	522.2	524.7	485.3	50440.
#2	505.8	49650.	511.1	520.9	523.7	484.6	50330.
#3	504.9	49510.	506.6	518.0	522.5	482.6	50130.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	55000.	550.0	550.0	550.0	550.0	55000.
Low	450.0	45000.	450.0	450.0	450.0	450.0	45000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	488.1	489.3	507.6	520.4	49470.	49010.	48550.
SDev	1.8	2.2	1.5	1.0	161.	98.	167.
%RSD	.3648	.4524	.3006	.1967	.3253	.1994	.3443
#1	489.7	491.4	508.6	521.5	49610.	49090.	48700.
#2	488.5	489.6	508.3	520.4	49510.	49030.	48570.
#3	486.2	487.0	505.8	519.4	49290.	48900.	48370.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	550.0	550.0	550.0	55000.	55000.	55000.
Low	450.0	450.0	450.0	450.0	45000.	45000.	45000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	530.6	494.4	47030.	487.3	476.4	468.3	471.0
SDev	1.5	1.8	245.	.8	2.0	3.7	2.7
%RSD	.2885	.3605	.5217	.1653	.4146	.7971	.5735
#1	531.9	494.1	47310.	488.0	477.7	465.5	469.6
#2	530.9	496.2	46880.	487.5	477.2	472.6	474.1
#3	528.9	492.7	46890.	486.4	474.1	466.9	469.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	550.0	550.0	55000.	550.0			550.0
Low	450.0	450.0	45000.	450.0			450.0
Elem	Se1960	Sb2068	Te1899	U1899	U1899	U1899	U1899
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	497.8	525.4	487.5	503.0	498.6	521.6	480.6
SDev	3.4	2.7	1.3	5.1	3.8	1.5	4.1
%RSD	.6743	.5097	.2637	1.005	.7624	.2846	.8493
#1	497.3	528.3	486.0	502.9	501.9	525.0	476.1
#2	501.4	523.1	488.1	508.1	499.6	521.8	481.6
#3	494.8	524.8	488.4	498.0	494.5	520.1	484.1

Low	450.0	450.0		450.0	450.0	450.0
-----	-------	-------	--	-------	-------	-------

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	496.4	492.3
SDev	1.8	1.1
%RSD	.3664	.2313

#1	498.5	493.3
#2	495.6	492.4
#3	495.1	491.1

Errors	LC Pass	LC Pass
High	550.0	550.0
Low	450.0	450.0

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20415	--	--	--	--	--	--
SDev	6.557438	--	--	--	--	--	--
%RSD	.0321207	--	--	--	--	--	--
#1	20409	--	--	--	--	--	--
#2	20414	--	--	--	--	--	--
#3	20422	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 04:08:35 PM

Method: LRI Sample Name: CCB-1-7

Operator:

Run Time: 09/12/96 16:04:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.3630	23.59	.3242	.5690	.6329	.0789	.6612
SDev	.2489	7.42	2.762	.1946	.0427	.0177	.8145
%RSD	68.58	31.45	851.9	34.19	6.751	22.42	123.2

#1	.0764	32.04	.2948	.7589	.5891	.0884	1.404
#2	.4872	20.62	3.101	.3701	.6744	.0898	.7897
#3	.5253	18.12	-2.423	.5779	.6352	.0585	-.2100

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Co2265	Co2286	Cr2677	Cr3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.0771	-.2534	.2836	.0600	19.52	.1246	.3136
SDev	.1221	.4163	.1496	.3392	2.77	6.195	3.044
%RSD	158.3	164.2	52.74	565.5	14.20	4971.	970.7

#1	-.0301	-.2777	.1974	-.2333	21.51	-.8994	2.713
#2	.2100	.1744	.1972	.4315	16.36	-5.495	1.339
#3	.0515	-.6570	.4564	-.0182	20.70	6.768	-3.111

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.0476	.8991	37.63	.3230	.6263	.9915	.8703
SDev	.0425	.3170	39.09	.5234	1.108	2.118	1.545
%RSD	89.24	35.26	103.9	162.0	176.9	213.6	177.5

#1	.0225	1.214	40.27	.7104	1.411	-.5169	.1253
#2	.0967	.5805	-2.705	.5311	1.110	3.413	2.646
#3	.0237	.9022	75.34	-.2723	-.5412	.0783	-.1609

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.1258	.7608	-1.637	.6282	2.085	.5912	2.534
SDev	.7527	1.294	3.782	2.007	1.381	.0495	2.130
%RSD	598.2	170.1	231.0	319.4	66.20	8.368	84.06

#1	-.7799	1.584	-5.087	1.370	1.823	.6480	2.534
#2	.6970	1.430	-2.232	2.159	3.578	.5576	2.273
#3	-.2946	-.7312	2.407	-1.644	.8548	.5681	3.705



Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge -.0029 .2062  
 SDev .4854 .1285  
 %RSD 16800. 62.32

#1 -.0685 .2755  
 #2 -.4521 .0579  
 #3 .5119 .2852

Errors LC Pass LC Pass  
 High 50.00 20.00  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20514	--	--	--	--	--	--
SDev	58.92368	--	--	--	--	--	--
%RSD	.2872364	--	--	--	--	--	--
#1	20546	--	--	--	--	--	--
#2	20550	--	--	--	--	--	--
#3	20446	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 04:13:11 PM

Method: LRI Sample Name: 0908034

Operator:

Run Time: 09/12/96 15:08:40

Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1848.	25530.	7.485	6.038	389.8	.9300	4765.
SDev	2.	22.	1.356	.917	.2	.0268	3.
%RSD	.1130	.0858	18.12	15.18	.0480	2.882	.0548
#1	1846.	25500.	6.793	5.655	389.6	.9608	4763.
#2	1850.	25540.	6.616	7.084	389.7	.9173	4765.
#3	1848.	25540.	9.048	5.376	390.0	.9119	4768.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Co2285	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	2.396	6.154	41.38	67.62	31030.	1004.	2863.
SDev	.272	.495	.11	.11	27.	8.	1.
%RSD	11.35	8.037	.2742	.1583	.0857	.7688	.0284
#1	2.082	5.585	41.51	67.73	31010.	997.1	2862.
#2	2.550	6.398	41.34	67.62	31060.	1003.	2864.
#3	2.557	6.480	41.30	67.52	31030.	1012.	2863.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	318.2	1.453	-47.36	16.38	72.08	64.93	67.31
SDev	.2	.325	83.12	.41	1.75	.43	.74
%RSD	.0684	22.39	175.5	2.479	2.422	.6666	1.098
#1	318.0	1.348	-115.6	16.35	71.91	64.45	66.94
#2	318.4	1.192	45.23	15.99	70.42	65.04	66.83
#3	318.3	1.817	-71.75	16.80	73.90	65.30	68.16

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sm1899	Pi3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	3.312	-2.138	-5.812	7.867	18.13	901.9	-1.788
SDev	3.366	2.871	5.338	4.648	1.46	.3	.634
%RSD	101.6	134.3	91.85	59.08	8.031	.0363	35.46
#1	-2439	-3.403	-10.38	4.818	16.78	901.6	-1.658
#2	6.449	-4.159	-7.105	13.22	17.94	902.1	-1.457
#3	3.731	1.148	.0545	5.566	19.67	902.1	-1.230

Analysis Report

Thu 09-12-96 04:13:11 PM

page 2

Low -5.000 -60.00 -10.00

Wlem V\_2924 Zn2062  
Units ug/L ug/L  
Avge 68.99 61.17  
SDev .07 .25  
%RSD .1001 .4119

#1 69.03 61.22  
#2 69.02 60.89  
#3 68.91 61.39

Errors LC Pass LC Pass  
High 20000. 20000.  
Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Wlem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	20902	---	---	---	---	---	---
SDev	11.93035	---	---	---	---	---	---
%RSD	.0570785	---	---	---	---	---	---
#1	20907	---	---	---	---	---	---
#2	20910	---	---	---	---	---	---
#3	20888	---	---	---	---	---	---

Analysis Report

Thu 09-12-96 04:17:47 PM

Method: LRI Sample Name: 0908035

Operator:

Run Time: 09/12/96 16:13:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AVge	.6836	46040.	7.801	5.270	92.17	1.996	673.1
SDev	.3107	123.	1.268	1.077	.18	.017	2.4
%RSD	45.44	.2681	16.26	20.44	.1953	.8753	.3517
#1	.5653	46100.	7.215	6.163	92.09	1.976	674.1
#2	1.036	46120.	6.933	4.074	92.37	2.001	674.9
#3	.4495	45900.	9.257	5.572	92.04	2.010	670.4
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AVge	-.3570	21.71	53.94	28.12	52110.	1642.	7485.
SDev	.0422	.18	.68	.48	119.	4.	7.
%RSD	11.81	.8458	1.261	1.710	.2291	.2248	.0976
#1	-.3308	21.81	53.92	28.31	52170.	1642.	7490.
#2	-.3345	21.50	54.63	28.47	52190.	1646.	7489.
#3	-.4056	21.82	53.27	27.57	51970.	1639.	7477.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Ns3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AVge	627.5	1.491	-125.3	31.80	33.77	17.17	22.70
SDev	1.6	.409	46.1	.33	3.36	1.05	.43
%RSD	.2530	27.41	36.81	1.033	9.938	6.131	1.885
#1	628.1	1.802	-177.5	32.04	36.45	16.43	23.10
#2	628.6	1.028	-90.43	31.93	30.01	18.37	22.25
#3	625.7	1.643	-107.8	31.42	34.86	16.69	22.74
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	Tb60-1	Tb60-2	Sn1899	TI3372	TI1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AVge	2.501	.3688	-9.285	8.385	31.15	1993.	-4.356
SDev	2.406	5.657	.135	3.650	1.33	4.	3.852
%RSD	96.21	1534.	1.450	43.53	4.257	.2252	88.42
#1	2.582	-5.794	-9.166	8.447	32.45	1995.	-6.241
#2	.0553	5.323	-9.258	4.705	29.80	1996.	23.202
#3	4.866	1.578	-9.432	12.00	31.20	1988.	20.751

Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	91.18	79.65
SDev	.43	.21
%RSD	.4727	.2618

#1	90.73	79.75
#2	91.59	79.79
#3	91.21	79.41

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	21083	--	--	--	--	--	--
SDev	31.48015	--	--	--	--	--	--
%RSD	.1493153	--	--	--	--	--	--
#1	21057	--	--	--	--	--	--
#2	21074	--	--	--	--	--	--
#3	21118	--	--	--	--	--	--

analysis Report

Thu 09-12-96 04:22:24 PM

page 1

Method: LRI Sample Name: 0908036  
 Run Time: 09/12/96 16:17:52  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1067.	22340.	11.08	5.858	257.5	.7945	2324.
SDev	5.	114.	2.23	1.124	1.4	.0438	12.
%RSD	.4498	.5107	20.13	19.19	.5379	5.510	.5246
#1	1071.	22450.	10.67	6.677	258.8	.7509	2336.
#2	1062.	22220.	13.49	4.576	256.0	.8384	2311.
#3	1067.	22330.	9.083	6.320	257.6	.7943	2325.
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	16.89	7.356	34.70	47.40	27260.	874.0	3147.
SDev	.12	.085	.42	.59	112.	18.7	17.
%RSD	.6883	1.158	1.220	1.248	.4095	2.140	.5265
#1	16.98	7.259	35.14	48.07	27370.	892.3	3166.
#2	16.92	7.388	34.29	46.95	27150.	854.9	3134.
#3	16.76	7.419	34.68	47.17	27260.	874.8	3143.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	307.8	1.405	55.63	17.56	57.53	49.21	51.98
SDev	1.5	.893	46.74	.33	1.32	1.37	1.15
%RSD	.4819	63.60	84.01	1.867	2.289	2.786	2.207
#1	309.3	2.143	1.663	17.45	57.16	50.50	52.72
#2	306.3	.4118	82.45	17.93	56.43	47.77	50.66
#3	307.9	1.659	82.77	17.31	58.99	49.34	52.55
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.4209	.6049	-8.753	5.000	13.43	801.3	-2.644
SDev	3.263	1.756	6.705	1.546	1.88	3.9	1.422
%RSD	775.2	290.2	76.60	30.92	13.98	.4897	53.79
#1	-.3725	2.390	-10.26	4.562	12.22	805.5	-2.952
#2	4.008	.5437	-1.423	6.718	12.47	797.7	1.093
#3	-2.372	-1.119	-14.58	3.720	15.59	800.6	-4.886

00234

Analysis Report

Thu 09-12-96 04:22:24 PM

Item	Units	Avg	SDev	%RSD	#1	#2	#3	Errors	High	Low	Intstd	Mode	Elem	Waven	Avg	SDev	%RSD	#1	#2	#3		
V-2924	ug/L	50.93	.29	.5783	50.90	50.65	51.24	LC Pass	20000.	-50.00	1	*Counts	Y	371.030	20891	129.7318	.6209837	20750	21005	20919		
Zn2062	ug/L	83.12	.42	.5102	83.59	82.77	83.01	LC Pass	20000.	-20.00	2	NOTUSRD	Y	371.030	20891	129.7318	.6209837	20750	21005	20919		
											3	NOTUSRD										
											4	NOTUSRD										
											5	NOTUSRD										
											6	NOTUSRD										
											7	NOTUSRD										

-10.00

Analysis Report

Thu 09-12-96 04:27:00 PM

page 1

Method: LRI Sample Name: 0908037  
 Run Time: 09/12/96 16:22:29  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	42.87	52130.	5.783	8.268	114.7	1.700	1029.
SDev	.75	518.	1.509	.797	1.2	.038	10.
%RSD	1.740	.9939	26.08	9.643	1.054	2.233	.9581
#1	43.68	52700.	7.495	9.188	115.9	1.663	1039.
#2	42.72	52020.	5.207	7.803	114.6	1.700	1027.
#3	42.21	51680.	4.648	7.812	113.5	1.739	1020.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.1561	13.37	54.80	17.19	50840.	1538.	5343.
SDev	.0773	.60	.44	.57	507.	38.	54.
%RSD	49.51	4.496	.8072	3.334	.9974	2.456	1.007
#1	.0843	13.60	55.28	17.77	51410.	1579.	5402.
#2	.2379	12.68	54.71	17.19	50700.	1531.	5332.
#3	.1461	13.82	54.41	16.62	50420.	1504.	5296.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	279.6	2.275	-40.44	29.82	39.76	21.90	27.85
SDev	2.7	.940	32.75	.07	1.34	.78	.36
%RSD	.9687	41.31	80.98	.2363	3.360	3.554	1.302
#1	282.5	1.676	-77.31	29.74	38.40	22.18	27.59
#2	279.1	3.358	-29.30	29.86	39.82	22.49	28.26
#3	277.2	1.792	-14.72	29.86	41.07	21.01	27.69

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.6246	-2.902	-9.780	5.818	29.20	1615.	-2.218
SDev	2.221	2.509	1.744	2.795	.86	16.	1.316
%RSD	355.6	86.45	17.84	48.04	2.944	.9737	59.33
#1	-.7274	-.0358	-11.75	4.774	30.11	1632.	-3.641
#2	3.188	-3.972	-8.426	8.985	28.39	1613.	-1.044
#3	-.5866	-4.699	-9.165	3.696	29.11	1601.	0.2360



Low	-5.000	-60.00					-10.00
-----	--------	--------	--	--	--	--	--------

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	89.82	82.87
SDev	1.30	.59
%RSD	1.445	.7161

#1	90.95	83.55
#2	90.12	82.63
#3	88.40	82.44

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20962	--	--	--	--	--	--
SDev	231.2019	--	--	--	--	--	--
%RSD	1.102975	--	--	--	--	--	--
#1	20716	--	--	--	--	--	--
#2	20994	--	--	--	--	--	--
#3	21175	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 04:31:36 PM

page

Method: LK1 Sample Name: 0908038

Operator:

Run Time: 09/12/96 16:27:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1115.	23970.	11.30	3.481	771.3	.8398	2453.
SD	3.	51.	3.03	.800	1.5	.0564	6.
%RSD	.2463	.2122	26.83	22.99	.1925	6.713	.2394

#1	1117.	24020.	13.87	2.903	773.0	.7781	2459.
#2	1115.	23960.	7.955	3.146	770.7	.8885	2452.
#3	1112.	23920.	12.09	4.395	770.2	.8529	2447.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	19.83	5.695	31.76	43.07	29400.	1011.	2957.
SD	.09	.029	.51	.31	60.	9.	7.
%RSD	.4672	.5050	1.611	.7116	.2053	.9362	.2498

#1	19.90	5.699	32.11	42.86	29460.	1019.	2966.
#2	19.73	5.721	31.17	42.92	29390.	1001.	2952.
#3	19.86	5.664	32.00	43.42	29340.	1013.	2953.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	263.5	1.552	31.94	16.45	44.30	35.62	38.51
SD	.5	.085	144.3	.82	2.22	.14	.78
%RSD	.1785	5.453	451.7	4.995	5.009	.3980	2.031

#1	264.1	1.508	156.1	15.50	45.19	35.78	38.92
#2	263.3	1.649	-126.3	16.86	45.93	35.55	39.01
#3	263.2	1.499	66.09	16.99	41.77	35.53	37.61

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.7859	.1291	-10.59	6.467	14.02	802.7	-0.430
SD	.2269	.8687	3.90	1.712	2.00	1.8	.6420
%RSD	28.88	672.9	36.85	26.48	14.28	.2291	1493.

#1	.5265	-.3727	-13.47	7.513	16.23	804.5	-.7738
#2	.9479	-.3722	-6.149	4.491	12.34	802.7	-.0430
#3	.8832	1.132	-12.16	7.396	13.47	800.8	-.0430

Analysis Report

Thu 09-12-96 04:31:36 PM

page 2

Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	53.94	82.70
SDev	.45	.25
%RSD	.8276	.3014

#1	53.94	82.92
#2	53.49	82.43
#3	54.38	82.75

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20958	--	--	--	--	--	--
SDev	89.18707	--	--	--	--	--	--
%RSD	.4255447	--	--	--	--	--	--
#1	20860	--	--	--	--	--	--
#2	21034	--	--	--	--	--	--
#3	20981	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 04:36:13 PM

page

Method: LRI Sample Name: 0908039

Run Time: 09/12/96 16:31:41

Operator:

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	.7119	34830.	4.420	5.490	61.20	1.538	707.7
SDev	.5561	121.	1.433	.780	.26	.077	4.0
%RSD	78.12	.3468	32.42	14.21	.4250	4.981	.5696
#1	1.335	34970.	6.034	5.739	61.50	1.451	712.4
#2	.2650	34780.	3.930	4.615	61.01	1.569	705.0
#3	.5360	34740.	3.296	6.115	61.10	1.595	705.8

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	.0234	20.46	43.70	19.00	44150.	1829.	6017.
SDev	.1299	.44	.46	.44	166.	28.	29.
%RSD	555.8	2.143	1.054	2.292	.3768	1.548	.4739

#1	.1658	20.96	43.87	19.38	44330.	1862.	6050.
#2	-.0886	20.21	44.04	19.10	44120.	1816.	6001.
#3	-.0070	20.19	43.17	18.53	44000.	1810.	6001.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	N2203-1	N2203-2	Pb2203
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	532.5	1.184	-71.06	26.37	25.93	14.17	18.09
SDev	1.9	.566	58.34	.74	1.05	1.41	1.21
%RSD	.3510	47.83	82.09	2.799	4.034	9.970	6.709

#1	534.6	1.813	-5.774	26.70	26.99	14.63	18.75
#2	531.8	.7158	-89.34	25.52	24.90	12.59	16.69
#3	531.0	1.022	-118.1	26.89	25.90	15.30	18.83

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sn1899	Te13372	Te11908
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Avg	2.158	-3.576	-6.549	6.505	29.77	1804.	-3.423
SDev	2.233	3.864	5.840	.801	2.87	6.	1.964
%RSD	103.5	108.1	89.17	12.32	9.639	.3187	57.39

#1	3.290	.8306	-4.960	7.408	30.73	1811.	-1.793
#2	-.4142	-6.386	-13.02	5.879	26.54	1801.	1801.
#3	3.600	-5.173	-1.669	6.229	32.03	1801.	-2.872

0908039

Analysis Report

Thu 09-12-96 04:36:13 PM

page 2

Low -5.000 -60.00 -10.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	74.24	69.55
SDev	.73	.40
%RSD	.9818	.5753

#1	74.82	69.86
#2	73.42	69.70
#3	74.47	69.10

Errors	LC Pass	LC Pass
High	20000.	20000.
Low	-50.00	-20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21097	--	--	--	--	--	--
SDev	141.5521	--	--	--	--	--	--
%RSD	.6709585	--	--	--	--	--	--
#1	20934	--	--	--	--	--	--
#2	21168	--	--	--	--	--	--
#3	21189	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 04:40:49 PM

Method: LRI Sample Name: 0908040

Operator:

Run Time: 09/12/96 16:36:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	119.3	33600.	17.58	4.455	116.0	1.035	2169.
SD	.8	140.	1.23	.575	.5	.045	9.
%RSD	.6770	.4176	6.940	12.91	.4372	4.338	.4271

#1	120.2	33750.	18.42	4.567	116.6	.9834	2179.
#2	118.6	33480.	16.27	3.832	115.6	1.058	2160.
#3	119.0	33570.	18.36	4.966	116.0	1.064	2169.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5000.	400000.	10000.		100000.	10000.	500000.
Low	-10.00	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Co2265	Co2286	Cr2677	Cu3247	Pb2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	9.537	7.214	37.56	23.67	39100.	1342.	3469.
SD	.138	.154	.30	.43	169.	21.	16.
%RSD	1.449	2.139	.7983	1.807	.4325	1.529	.4709

#1	9.694	7.219	37.86	24.16	39270.	1366.	3486.
#2	9.433	7.365	37.56	23.40	38930.	1327.	3453.
#3	9.485	7.057	37.26	23.45	39100.	1334.	3468.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000.	50000.	50000.	50000.	500000.	200000.	500000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	286.3	1.037	-31.14	20.24	43.95	32.42	36.26
SD	1.2	.863	87.84	.43	1.70	.74	.68
%RSD	.4067	83.22	282.1	2.122	3.857	2.289	1.878

#1	287.6	.8889	-14.38	19.86	45.56	31.81	36.39
#2	285.3	.2577	-126.1	20.71	42.18	32.19	35.52
#3	286.0	1.965	47.12	20.15	44.11	33.24	36.86

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20000.		400000.	50000.			10000.
Low	-15.00		-5000.	-40.00			-3.000

Elem	Sr1960	Sr2068	Th232-1	Th232-2	Sm1899	Th13372	Th1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	5.784	1.736	-1.484	9.411	16.68	945.1	-3.116
SD	2.036	2.350	3.383	2.993	1.03	3.9	2.100
%RSD	35.21	135.4	228.0	31.80	6.172	.4117	67.37

#1	5.186	2.722	-5.384	10.46	17.86	949.2	-4.493
#2	4.113	-1.9470	.2634	6.034	15.97	941.4	-1.6998
#3	5.113	3.439	.5686	11.74	16.21	944.9	-4.156

00242

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge 71.55 81.19  
 SDev .29 .52  
 %RSD .4107 .6424

#1 71.76 81.54  
 #2 71.22 80.59  
 #3 71.68 81.44

Errors LC Pass LC Pass  
 High 20000. 20000.  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20884	--	--	--	--	--	--
SDev	130.8905	--	--	--	--	--	--
%RSD	.6267403	--	--	--	--	--	--
#1	20734	--	--	--	--	--	--
#2	20946	--	--	--	--	--	--
#3	20973	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 04:45:26 PM

Method: LRI Sample Name: CCV-1-8

Run Time: 09/12/96 16:40:54

Operator:

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	508.3	49690.	509.9	519.2	524.6	483.9	50230.
SD	.8	36.	3.4	3.1	1.6	.8	75.
%RSD	.1502	.0725	.6744	.5915	.2995	.1606	.1498

#1	509.2	49720.	511.1	522.8	526.2	484.6	50300.
#2	508.0	49700.	512.5	517.4	524.6	484.0	50230.
#3	507.8	49650.	506.0	517.4	523.0	483.1	50150.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	55000.	550.0	550.0	550.0	550.0	55000.
Low	450.0	45000.	450.0	450.0	450.0	450.0	45000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	486.2	489.4	507.4	521.3	49360.	49120.	48430.
SD	2.2	.8	.6	.8	73.	39.	77.
%RSD	.4501	.1667	.1105	.1546	.1472	.0799	.1583

#1	488.7	489.1	507.9	522.1	49440.	49150.	48500.
#2	485.3	490.3	506.8	521.4	49350.	49070.	48430.
#3	484.6	488.8	507.4	520.5	49300.	49130.	48350.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	550.0	550.0	550.0	55000.	55000.	55000.
Low	450.0	450.0	450.0	450.0	45000.	45000.	45000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	529.7	491.5	47140.	486.5	475.7	466.6	469.6
SD	.8	.2	66.	.8	2.8	2.8	1.7
%RSD	.1545	.0322	.1408	.1574	.5827	.5954	.3553

#1	530.5	491.7	47210.	487.0	477.3	463.4	468.0
#2	529.8	491.4	47070.	486.8	472.5	468.0	469.5
#3	528.9	491.5	47150.	485.6	477.2	468.4	471.4

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	550.0	550.0	55000.	550.0			550.0
Low	450.0	450.0	45000.	450.0			450.0

Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sr1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	493.6	525.3	488.3	496.3	495.2	521.3	478.7
SD	4.0	.7	5.9	3.0	1.9	1.0	2.5
%RSD	.8043	.1386	1.217	.6049	.3937	.1880	.5220

#1	489.2	524.5	481.6	493.1	495.1	522.2	477.1
#2	494.7	526.0	490.4	496.9	493.3	521.4	477.4
#3	497.0	525.4	492.9	499.0	497.1	520.2	481.6



LOW 450.0 450.0 450.0 450.0 450.0 450.0

Wiem	V_2924	Zn2062
Units	ug/L	ug/L
AVge	496.6	486.0
SDev	.8	1.1
%RSD	.1615	.2309

#1	497.5	486.1
#2	496.5	487.0
#3	495.9	484.8

Errors	LC Pass	LC Pass
High	550.0	550.0
Low	450.0	450.0

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Wiem	Y	---	---	---	---	---	---
WAVIem	371.030	---	---	---	---	---	---
AVge	20284	---	---	---	---	---	---
SDev	20.22375	---	---	---	---	---	---
%RSD	.0997030	---	---	---	---	---	---

#1	20299	---	---	---	---	---	---
#2	20292	---	---	---	---	---	---
#3	20261	---	---	---	---	---	---

Analysis Report

Thu 09-12-96 04:50:02 PM

page

Method: LRI Sample Name: CCB-1-8  
 Run Time: 09/12/96 16:45:31  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.3748	19.23	-1.126	-.2643	.0717	.0734	-.8964
SDev	.5730	4.96	1.300	.3720	.0724	.0326	.9264
%RSD	152.9	25.81	115.5	140.8	101.0	44.49	103.4
#1	-.0160	20.73	-2.174	-.6916	.1302	.0889	-1.070
#2	-.0728	23.28	-1.534	-.0892	.0941	.0359	.1047
#3	-1.036	13.69	.3292	-.0121	-.0093	.0953	-1.723
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.1608	-.3541	-.3438	-.2971	4.710	6.842	3.565
SDev	.3258	.2267	.2615	.1181	5.687	16.55	2.461
%RSD	202.6	64.03	76.07	39.76	120.7	241.9	69.02
#1	-.5094	-.1267	-.5714	-.4049	.9330	.1347	3.766
#2	.1360	-.3556	-.4017	-.1708	1.946	25.69	5.918
#3	-.1090	-.5801	-.0581	-.3155	11.25	-5.302	1.010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.0005	.4767	51.67	-.3940	.5104	.8085	.7098
SDev	.0434	.4589	49.66	.6000	.9591	.4545	.0635
%RSD	7993.	96.26	96.12	152.3	187.9	56.21	8.942
#1	-.0506	.7420	90.20	-.0033	1.250	.5413	.7780
#2	.0257	-.0532	69.19	-1.085	-.5732	1.333	.6990
#3	.0233	.7412	-4.378	-.0938	.8540	.5509	.6525
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2068	1960-1	1960-2	Sn1899	Ti3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.4269	-1.594	3.605	-1.161	-.4573	.3297	1.113
SDev	1.908	1.853	3.333	1.401	.6265	.1963	3.803
%RSD	446.9	116.3	92.45	120.7	137.0	59.53	341.5
#1	2.045	-2.885	7.135	-.4970	-.7173	.3848	4.950
#2	.9124	.5297	3.169	-.2148	-.9118	.4926	-2.654
#3	-1.677	-2.426	.5118	-2.770	.2573	.1118	1.045

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge -.8386 -.0756  
 SDev .5102 .2828  
 %RSD 60.84 373.9

#1 -1.222 -.0441  
 #2 -1.034 .1901  
 #3 -.2595 -.3729

Errors LC Pass LC Pass  
 High 50.00 20.00  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20419	--	--	--	--	--	--
SDev	109.4364	--	--	--	--	--	--
%RSD	.5359627	--	--	--	--	--	--
#1	20470	--	--	--	--	--	--
#2	20293	--	--	--	--	--	--
#3	20493	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 04:54:38 PM

Method: LRI  
Run Time: 09/12/96 16:50:07  
Comment:  
Mode: CONC CORR. Factor: 1

Sample Name: CRLA-1-3

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-4287	426.7	9.383	1020.	10.33	-0.118	422.9
SD	.8986	3.6	3.568	2.	.10	.0130	1.3
%RSD	209.6	.8467	38.03	.2408	.9448	110.1	.3019

#1	-4076	430.8	9.276	1021.	10.25	-0.005	422.2
#2	-1.338	424.9	13.00	1017.	10.29	-0.0261	422.1
#3	.4592	424.2	15.869	1022.	10.44	-0.0089	424.4

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High		520.0	15.60	1300.	13.00		520.0
Low		280.0	8.400	700.0	7.000		280.0

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	5.772	-3842	-2260	-2049	205.4	2309.	407.3
SD	.063	.3435	.2291	.2031	4.6	11.	2.2
%RSD	1.086	89.41	101.3	99.10	2.248	.4741	.5318

#1	5.699	-7393	-3124	-2844	200.1	2300.	408.0
#2	5.805	-0536	-3994	.0259	207.2	2306.	409.0
#3	5.811	-3598	.0337	-3562	208.8	2321.	404.9

Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	7.800				260.0	2600.	520.0
Low	4.200				140.0	1400.	280.0

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-0378	48.74	1830.	-6026	-1.057	.7388	.1414
SD	.0437	1.31	82.	.8721	1.360	.4452	.5424
%RSD	115.7	2.686	4.465	144.7	128.7	60.27	383.6

#1	-0633	50.24	1880.	.1829	-5587	1.227	.6328
#2	-0628	47.88	1873.	-4496	-0157	.3550	.2320
#3	.0127	48.08	1735.	-1.541	-2.596	.6345	-1.4407

Errors	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		65.00	2600.				
Low		35.00	1400.				

Elem	Se1960	Sb2068	Te1960-1	Te1960-2	Sn1899	W13372	W11908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-3.087	-1.295	-0031	-4.627	99.07	102.7	-4178
SD	.776	1.950	4.0652	2.753	1.29	.2	1.2215
%RSD	25.12	150.5	129100.	59.50	1.305	.1785	292.3

#1	-2.603	-3.530	2.397	-5.100	97.58	102.6	-1.128
#2	-3.981	-4.101	2.290	-7.113	99.77	102.6	1.248
#3	-2.676	.0550	-4.697	-1.668	99.86	102.9	-1.118

Low 70.00 70.00

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	-.0684	-.1868
SDev	.3882	.0624
%RSD	567.6	33.40

#1	.3192	-.1547
#2	-.4571	-.2587
#3	-.0672	-.1470

Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20262	--	--	--	--	--	--
SDev	55.01212	--	--	--	--	--	--
%RSD	.2714994	--	--	--	--	--	--
#1	20325	--	--	--	--	--	--
#2	20240	--	--	--	--	--	--
#3	20222	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 04:59:15 PM

page 2

Low	7.000	84.00					14.00
Elem	V_2924	Zn2062					
Units	ug/L	ug/L					
Avg	96.54	36.08					
SDev	.73	.26					
%RSD	.7537	.7307					
#1	96.02	35.86					
#2	97.37	36.38					
#3	96.23	36.01					
Errors	LC Pass	LC Pass					
High	130.0	52.00					
Low	70.00	28.00					

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avg	20273	--	--	--	--	--	--
SDev	37.51000	--	--	--	--	--	--
%RSD	.1850244	--	--	--	--	--	--
#1	20274	--	--	--	--	--	--
#2	20235	--	--	--	--	--	--
#3	20310	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 05:03:52 PM

Method: LRI Sample Name: USA-1-3

Operator:

Run Time: 09/12/96 16:59:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.1951	483000.	.4273	-.5639	6.967	-.2554	458600.
SDev	.0255	987.	2.880	.7648	.050	.0395	656.
%RSD	13.10	.2044	674.1	135.6	.7113	15.48	.1431
#1	.1656	481900.	3.366	-.2916	6.912	-.2121	458100.
#2	.2103	483800.	-2.391	-1.428	6.983	-.2646	459400.
#3	.2093	483400.	.3064	.0275	7.007	-.2895	458400.
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	10.00	600000.	10.00	10.00	200.0	5.000	600000.
Low	-10.00	400000.	-10.00	-10.00	-200.0	-5.000	400000.
Elem	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-2.014	-1.209	3.760	-6.574	188700.	-128.8	503500.
SDev	.345	.277	.525	.188	466.	4.1	723.
%RSD	17.15	22.93	13.97	2.856	.2470	3.164	.1435
#1	-1.615	-1.046	3.326	-6.682	188200.	-133.4	503200.
#2	-2.225	-1.052	4.344	-6.682	189200.	-125.6	504400.
#3	-2.201	-1.529	3.611	-6.357	188800.	-127.4	503000.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	240000.	5000.	600000.
Low	-5.000	-50.00	-10.00	-25.00	160000.	-5000.	400000.
Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-2.126	-.1107	-465.7	1.287	110.6	-55.81	-.4080
SDev	.099	.6403	89.8	.248	3.2	5.37	2.3220
%RSD	4.641	578.3	19.27	19.25	2.925	9.620	618.2
#1	-2.122	.6221	-391.2	1.567	114.1	-61.91	-.3.304
#2	-2.029	-.5619	-440.4	1.098	109.8	-53.66	.7746
#3	-2.226	-.3924	-565.3	1.195	107.8	-51.84	1.305
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000
Elem	Se1960	Sb2062	Te1960-1	Te1960-2	Sn1899	Te13372	Te11908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1.085	6.362	-14.72	8.974	.1250	.2138	-.2085
SDev	1.223	4.868	4.85	4.165	1.457	.0922	2.2442
%RSD	112.7	76.52	32.96	46.41	1165.	42.14	1077.
#1	-.2233	11.88	-10.83	5.072	1.790	.3097	1.403
#2	1.278	2.685	-13.17	8.490	-.4977	.2214	.7431
#3	7.499	4.519	-20.16	13.36	-.9168	.1253	2.0252

Analysis Report

Thu 09-12-96 05:03:52 PM

	1	2	3	4	5	6	7
Low	-5.000	-60.00					-10.00
Elem	V_2924	Zn2062					
Units	ug/L	ug/L					
Avg	-3.132	-1.7873					
SDev	.320	.5073					
%RSD	10.21	64.44					
#1	-2.846	-.8583					
#2	-3.073	-.2482					
#3	-3.477	-1.255					
Errors	LC Pass	LC Pass					
High	50.00	20.00					
Low	-50.00	-20.00					
Intstd	1	2	3	4	5	6	7
Mode	Y	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem							
Wavlen	371.030						
Avg	19226						
SDev	50.54041						
%RSD	.2628799						
#1	19284						
#2	19198						
#3	19195						



Analysis Report

Thu 09-12-96 05:08:28 PM

page

Method: LRI Sample Name: USAB-1-3 Operator:  
 Run Time: 09/12/96 17:03:57  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	192.0	491400.	89.32	.9787	501.0	466.1	470600.
Stdev	2.2	4901.	6.41	1.777	4.6	4.3	4880.
%RSD	1.128	.9975	7.179	181.5	.9256	.9266	1.037

#1	194.5	496900.	96.68	1.147	506.4	471.0	475900.
#2	190.9	489800.	84.90	-.8765	498.6	464.7	469400.
#3	190.6	487400.	86.39	2.665	498.1	462.7	466400.

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	240.0	600000.	120.0		600.0	600.0	600000.
Low	160.0	400000.	80.00		400.0	400.0	400000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	899.6	453.0	522.0	525.3	199600.	-103.5	504700.
Stdev	8.0	4.8	5.6	5.2	1935.	22.1	4851.
%RSD	.8917	1.050	1.069	.9864	.9694	21.36	.9611

#1	908.5	458.5	528.3	531.2	201800.	-78.43	510100.
#2	897.4	451.0	519.6	523.0	199100.	-111.9	503400.
#3	892.9	449.6	518.0	521.6	198000.	-120.2	500700.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1200.	600.0	600.0	600.0	240000.	5000.	600000.
Low	800.0	400.0	400.0	400.0	160000.	-5000.	400000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	Zn203-1	Zn203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	460.9	1.437	-360.8	916.9	158.4	-9.379	46.48
Stdev	4.4	1.903	130.2	7.8	8.1	4.744	.87
%RSD	.9532	132.4	36.08	.8479	5.126	50.58	1.443

#1	465.7	3.224	-217.3	925.8	167.5	-14.85	45.88
#2	459.6	1.649	-393.6	913.1	152.0	-6.361	46.37
#3	457.2	-.5634	-471.3	911.7	155.6	-6.929	47.21

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	600.0		5000.	1200.			60.00
Low	400.0		-5000.	800.0			40.00

Elem	Se1950	Sb2069	Te1950-1	Te1950-2	Sn1899	Pi3372	Tl1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	52.34	641.4	34.29	61.35	2.817	9.662	99.36
Stdev	2.54	15.1	9.94	1.15	4.435	.369	4.75
%RSD	4.857	2.359	29.00	1.880	157.4	3.817	4.782

#1	55.16	658.8	45.35	60.06	7.932	10.06	98.82
#2	51.62	631.2	31.44	61.69	.4675	9.326	94.91
#3	50.23	634.2	26.09	62.29	.0509	9.605	104.4



Analysis Report

Thu 09-12-96 05:13:05 PM

Method: LRI Sample Name: CVV-1-9

Run Time: 09/12/96 17:08:34

Operator:

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al1308Z	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	502.3	48990.	505.8	515.9	518.5	478.3	49430.
SDev	.1	28.	1.7	1.1	1.4	.3	20.
%RSD	.0218	.0579	.3274	.2082	.2690	.0683	.0405

#1	502.3	48960.	505.6	515.0	517.5	478.2	49440.
#2	502.4	49010.	504.3	517.1	520.1	478.7	49450.
#3	502.2	48990.	507.6	515.6	517.9	478.1	49410.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	55000.	550.0	550.0	550.0	550.0	55000.
Low	450.0	45000.	450.0	450.0	450.0	450.0	45000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	481.9	484.4	503.0	514.7	48890.	48650.	47700.
SDev	.5	.4	.4	.4	45.	82.	20.
%RSD	.0973	.0730	.0736	.0806	.0922	.1683	.0422

#1	481.6	484.5	502.7	514.5	48900.	48580.	47670.
#2	482.4	484.0	503.4	515.2	48920.	48740.	47710.
#3	481.6	484.7	502.8	514.4	48840.	48630.	47710.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	550.0	550.0	550.0	550.0	55000.	55000.	55000.
Low	450.0	450.0	450.0	450.0	45000.	45000.	45000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	523.6	489.3	46550.	481.8	474.3	462.0	466.1
SDev	.5	1.2	160.	.8	1.1	3.7	2.5
%RSD	.0915	.2408	.3434	.1562	.2298	.8075	.5638

#1	523.7	488.1	46460.	481.3	474.8	459.0	464.2
#2	524.0	490.5	46470.	482.7	474.9	466.2	469.1
#3	523.1	489.3	46740.	481.5	473.0	460.9	464.9

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	550.0	550.0	55000.	550.0			550.0
Low	450.0	450.0	45000.	450.0			450.0

Elem	Se1960	Sb2068	1960-1	1960-2	Sn1999	Ti3372	W11908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	489.6	521.5	481.2	493.3	491.5	516.1	475.0
SDev	1.3	3.4	3.1	2.8	1.1	.5	3.8
%RSD	.2736	.6493	.6487	.5592	.2192	.0884	.7947

#1	488.5	518.8	484.1	490.7	492.7	516.3	475.6
#2	491.1	520.3	481.6	495.8	490.6	516.3	479.3
#3	489.9	525.9	477.9	494.9	491.2	515.5	472.2

Low	450.0	450.0		450.0	450.0	450.0
-----	-------	-------	--	-------	-------	-------

Elem	V_2924	Zn2062
Units	ug/L	ug/L
Avge	491.1	482.5
SDev	1.4	.2
%RSD	.2929	.0499

#1	492.6	482.8
#2	491.1	482.3
#3	489.7	482.4

Errors	LC Pass	LC Pass
High	550.0	550.0
Low	450.0	450.0

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	20196	--	--	--	--	--	--
SDev	41.61731	--	--	--	--	--	--
%RSD	.2060671	--	--	--	--	--	--

#1	20174	--	--	--	--	--	--
#2	20170	--	--	--	--	--	--
#3	20244	--	--	--	--	--	--

Analysis Report

Thu 09-12-96 05:17:43 PM

page 1

Method: LRI Sample Name: CCB-1-9  
 Run Time: 09/12/96 17:13:11  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.2954	28.34	1.152	-1.534	.0234	.0850	15.05
SDev	.6841	7.91	.714	.203	.0573	.0458	1.54
%RSD	231.6	27.92	61.96	13.25	244.2	53.90	10.20

#1	-.6297	27.90	1.858	-1.472	-.0200	.1365	16.13
#2	.4915	36.47	.4309	-1.761	.0020	.0696	13.29
#3	-.7481	20.66	1.167	-1.369	.0883	.0489	15.72

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.000	200.0	10.00		200.0	5.000	5000.
Low	-5.000	-200.0	-10.00		-200.0	-5.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.1343	-.6334	-.2007	-.1605	5.344	7.471	12.32
SDev	.1683	.2886	.1788	.4055	7.525	16.36	2.43
%RSD	125.3	45.57	89.10	252.7	140.8	219.0	19.71

#1	-.2694	-.5049	-.0579	-.5985	12.68	-11.35	15.12
#2	.0542	-.4314	-.4013	-.0848	5.704	18.34	11.10
#3	-.1877	-.9640	-.1429	.2018	-2.354	15.42	10.74

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-5.000	-50.00	-10.00	-25.00	-100.0	-5000.	-5000.

Elem	Mn2576	Mo2020	Na3302	Ni2316	2203-1	2203-2	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.0751	.4238	23.70	-.5416	-.1865	.4673	.2501
SDev	.0438	.8859	75.62	.5933	1.0373	1.010	.3342
%RSD	58.29	209.0	319.0	109.5	556.1	216.1	133.6

#1	-.1256	1.378	106.7	-.6324	.9601	-.5947	-.0764
#2	-.0499	.2671	-41.21	-1.084	-.4600	.5816	.2353
#3	-.0497	-.3733	5.579	.0919	-1.060	1.415	.5915

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	15.00		5000.	40.00			3.000
Low	-15.00		-5000.	-40.00			-3.000

Elem	Se1960	Sb2058	1960-1	1960-2	Sn1899	Ti3372	Ti1908
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.9712	-3.115	-3.312	.1969	-.6552	.1505	2.005
SDev	1.4001	3.551	1.010	2.401	1.0863	.1321	1.019
%RSD	144.2	114.0	30.49	1219.	165.8	87.78	50.83

#1	-1.824	.9766	-3.837	-.8192	-.1311	.2936	2.773
#2	-1.735	-5.394	-2.148	-1.529	.0696	.1247	.8489
#3	-.6440	4.070	-3.050	0.030	-1.904	.0332	2.394

Low -5.000 -60.00 -10.00

Elem V\_2924 Zn2062  
 Units ug/L ug/L  
 Avge -.0633 11.17  
 SDev .5125 .21  
 %RSD 809.3 1.888

#1 -.6444 10.97  
 #2 .1302 11.39  
 #3 .3242 11.16

Errors LC Pass LC Pass  
 High 50.00 20.00  
 Low -50.00 -20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20383	--	--	--	--	--	--
SDev	83.50050	--	--	--	--	--	--
%RSD	.4096642	--	--	--	--	--	--
#1	20479	--	--	--	--	--	--
#2	20331	--	--	--	--	--	--
#3	20338	--	--	--	--	--	--

ASP

SAMPLE PREPARATION LOG

BATCH NO. 2103 183

LRI Sample No.	ICP				Furnace				PH S.U	Comments
	Initial Vol/Wt	Final Vol/Wt	Factor	Acid Added	Initial Vol/Wt	Final Vol/Wt	Factor	Acid Added		
PBS	1.0	200ml	200D	5ml HNO <sub>3</sub>						
LCSS	1.0	200ml		5ml HNO <sub>3</sub>						2ml each
QCSTD	1.0	200ml		3ml H <sub>2</sub> O						of SST race # 1, 2, 3, 4, 5
609080-1	1.0	200ml		5ml HCL						
↓ ID	1.0	200ml								
↓ IMS	1.0	200ml								2ml each of SST race # 1, 2, 3, 4, 5
609080-2	1.0	200ml								
609080-3	1.0	200ml								
609080-4	1.0	200ml								
609080-5	1.0	200ml								
609080-6	1.0	200ml								
609080-7	1.0	200ml								
609080-8	1.0	200ml								
609080-9	1.0	200ml								
609080-10	1.0	200ml								
609080-11	1.0	200ml								
609080-12	1.0	200ml								
609080-13	1.0	200ml								
609080-14	1.0	200ml								
609080-15	1.0	200ml								
609080-16	1.0	200ml								
609080-17	1.0	200ml								
609080-18	1.0	200ml								
609080-19	1.0	200ml								
609080-20	1.0	200ml	↓	↓						

Analyst/Date: 9-10-96 JS  
 Sample Spiked: 609080-1  
 Sample Duped: 609080-1

200200

ASP

SAMPLE PREPARATION LOG

BATCH NO. 2104

185

LRI Sample No.	ICP				Furnace				PH S.U	Comments
	Initial Vol/Wt	Final Vol/Wt	Factor	Acid Added	Initial Vol/Wt	Final Vol/Wt	Factor	Acid Added		
PBW	100	100	1D	1ml HNO <sub>3</sub>						
LCSW	100	100		5ml HCL						} 1ml each of SST trace #
609080-20	100	100							<2	
609080-21	100	100							<2	1, 2, 3, 4, 5
609080-22	100	100							<2	
609080-23	1.0g	200	200D	5ml HNO <sub>3</sub>						
↓ 23D	1.0g	200		5ml HNO <sub>3</sub>						
↓ 23MS	1.0g	200		3ml H <sub>2</sub> O <sub>2</sub>						} 2ml each of SST trace # 1, 2, 3, 4, 5
609080-24	1.0g	200ml		5ml HCL						
609080-25	1.0g	200ml								
609080-26	1.0g	200ml								
609080-28	1.0g	200ml								
609080-29	1.0g	200ml								
609080-30	1.0g	200ml								
609080-31	1.0g	200ml								
609080-32	1.0g	200ml								
609080-33	1.0g	200ml								
609080-34	1.0g	200ml								
609080-35	1.0g	200ml								
609080-36	1.0g	200ml								
609080-37	1.0g	200ml								
609080-38	1.0g	200ml								
609080-39	1.0g	200ml								
609080-40	1.0g	200ml								
PBS	1.0g	200ml								
LCS	1.0g	200ml								} 2ml each of SST trace # 1, 2, 3, 4, 5

Analyst/Date 9-11-96 GS  
 Sample Spiked 609080-23  
 Sample Duped 609080-23  
 Spiked Added a 1 - SST trace # 12315

000261



SAMPLE PREPARATION SHEET

METALS DEPT.

DESCRIPTION

ASP

-CLP-

2103

SAMPLE NO.	COLOR BEFORE	COLOR AFTER	CLARITY BEFORE	CLARITY AFTER	TEXTURE	ARTIFACTS	COMMENTS
609080-1	Brown	<sup>paste</sup> yellow	NA	clear	Medium		
609080-2							
609080-3							
609080-4							
609080-5							
609080-6							
609080-7						Roots	
609080-8							
609080-9							
609080-10							
609080-11							
609080-12	↓						
609080-13	Black						
609080-14	Brown					Roots	
609080-15							
609080-16						Roots	
609080-17							
609080-18							
609080-19							
609080-27	↓	↓	↓	↓	↓		

CLP DESCRIPTIVE TERMS

1. COLOR: Red, BLUE, YELLOW, Green, Orange, Violet, White, Colorless, Brown, Gray, Black;

2. CLARITY: Clear, Cloudy, Opaque;

3. TEXTURE: Fine (powdery), Medium (sand), Coarse (large crystals or rocks);

If artifacts are present, enter YES in the artifacts field. Describe the artifact

Record any significant changes that occur during sample preparation in

the comments field.

600262

DESCRIPTION

ASP

-CLP-

2014

SAMPLE NO.	COLOR BEFORE	COLOR AFTER	CLARITY BEFORE	CLARITY AFTER	TEXTURE	ARTIFACTS	COMMENTS
609080-20	colorless	colorless	clear	clear	Medium	-	
609080-21	colorless	colorless	clear	clear		-	
609080-22	colorless	colorless	clear	clear		-	
609080-23	Brown	light yellow	N.A	clear		-	
609080-24	Brown			clear		-	
609080-25	Brown			clear		-	
609080-26	Brown			clear		-	Roots
609080-28	Brown			clear		-	Roots Stones
609080-29	Brown			clear		-	
609080-30	Dark Brown	yellow		clear		-	
609080-31	Brown	light yellow		clear		-	Roots
609080-32	Brown			clear		-	
609080-33	Brown			clear		-	
609080-34	Brown			clear		-	Roots
609080-35	Brown			clear		-	
609080-36	Brown			clear		-	Roots Stones
609080-37	Brown			clear		-	
609080-38	Brown			clear		-	
609080-39	Brown			clear		-	
609080-40	Dark Brown	yellow		clear		-	

CLP DESCRIPTIVE TERMS

1. COLOR: Red, BLUE, YELLOW, Green, Orange, Violet, White, Colorless, Brown, Gray, Black

2. CLARITY: Clear, Cloudy, Opaque;

3. TEXTURE: Fine (powdery), Medium (sand), Coarse (large crystals or rocks);

If artifacts are present, enter YES in the artifacts field. Describe the artifacts.

Record any significant changes that occur during sample preparation in the comments field.

Laboratory Resources, Inc.  
 Division: ..... Teterboro  
 Department: ..... Metals

STANDARDS PREP LOG\_TRACE ICP

Std. Lot No.: <u>ICV/CCV090910</u>		Stock Std. Name	ml	Stock Conc ppm	ERI Lot No.
Std. Name: <u>ICV/CCV</u>		1 Ag	0.100 <sup>50</sup>	1000	A- <u>68014 6008</u>
Date Prep.: <u>9.9.90</u> Time:		2 As	0.100	1000	A- <u>68009</u>
Analyst: <u>SJL</u>		3 Ba	0.100	1000	A- <u>68009</u>
Final Vol.: <u>1000 ml</u>		4 Be	0.100	1000	A- <u>60012</u>
Preservatives: <u>2.0 10.0 mL conc. HNO3</u>		5 Cd	0.100	1000	A- <u>60011</u>
True Values, ppm:		6 Co	0.100	1000	A- <u>60012</u>
Element	TV	7 Cr	0.100	1000	A- <u>60015</u>
1 Ag	0.500	8 Cu	0.100	1000	A- <u>60016</u>
2 As	0.500	9 Mn	0.100	1000	A- <u>69008</u>
3 Ba	0.500	10 Mo	0.100	1000	A- <u>59008</u>
4 Be	0.500	11 Ni	0.100	1000	A- <u>6205</u>
5 Cd	0.500	12 Sb	0.100	1000	A- <u>6011</u>
6 Co	0.500	13 Sn	0.100	1000	A- <u>6507</u>
7 Cr	0.500	14 Tl	0.100	1000	A- <u>69010</u>
8 Cu	0.500	15 V	0.100	1000	A- <u>69009</u>
9 Mn	0.500	16 Zn	0.100	1000	A- <u>6910</u>
10 Mo	0.500	17 Pb	0.100	1000	A- <u>6904</u>
11 Ni	0.500	18 Se	0.100 ✓	1000	A- <u>60103</u>
12 Sb	0.500	19 Al	2.00 <sup>5.0</sup>	10000	A- <u>6203</u>
13 Sn	0.500	20 Ca	2.00	10000	A- <u>6010</u>
14 Tl	0.500	21 Mg	2.00	10000	A- <u>6504</u>
15 V	0.500	22 Na	2.00	10000	A- <u>6315</u>
16 Zn	0.500	23 K	2.00	10000	A- <u>6903</u>
17 Pb	0.500	24 Fe	2.00 ✓	10000	A- <u>6902</u>
18 Se	0.500	25 Si	2.00	1000	A-
19 Al	100	26 Ti	2.00 <sup>500</sup>	1000	A- <u>6303</u>
20 Ca	100	27 B	1.00 ✓	1000	A- <u>6010</u>
21 Mg	100	Notes: SOURCE: <u>INORGANICS - VENTURA</u> ultra scientific			
22 Na	100				
23 Fe	100				
24 K	100				
25 Si	10.0				
26 Ti	10.0				
27 B	5.00				



Laboratory Resources, Inc.  
 Division: ..... Teterboro  
 Department: ..... Metals

STANDARDS PREP LOG\_TRACE ICP

Std. Lot No.: <u>STD 2090390</u>		Stock Std. Name:	mL	Stock Conc. ppm	ERI Lot No.
Std. Name: <u>STD2</u>		1 Ag	0.100 <u>1.0</u>	1000	A- <u>6700</u>
Date Prep.: <u>9.3.96</u> Time		2 As	0.100	1000	A- <u>6510</u>
Analyst: <u>SJL</u>		3 Ba	0.100	1000	A- <u>6517</u>
Final Vol.: <u>1000</u> 100.0 ML		4 Be	0.100	1000	A- <u>6001</u>
Preservatives: <u>1.0</u> 10.0 mL conc. HNO <sub>3</sub>		5 Cd	0.100	1000	A- <u>6003</u>
True Values, ppm:		6 Co	0.100	1000	A- <u>6007</u>
Element TV		7 Cr	0.100	1000	A- <u>6006</u>
1 All	1.00	8 Cu	0.100	1000	A- <u>6008</u>
2		9 Mn	0.100	1000	A- <u>6005</u>
3		10 Mo	0.100	1000	A- <u>6007</u>
4		11 Ni	0.100	1000	A- <u>6701</u>
5		12 Sb	0.100	1000	A- <u>6515</u>
6		13 Sn	0.100	1000	A- <u>6710</u>
7		14 Tl	0.100	1000	A- <u>6709</u>
8		15 V	0.100	1000	A- <u>6712</u>
9		16 Zn	0.100	1000	A- <u>6714</u>
10		17 Pb	0.100	1000	A- <u>6011</u>
11		18 Se	0.100 ✓	1000	A- <u>6704</u>
12		19 <u>B</u>	1.0	↓	<u>6002</u>
13		20 <u>Tl</u>		↓	<u>6711</u>
14		21			
15		22			
16		23			
17		24			
18		25			
19		26			
20		27			
21		Notes: SOURCE: SPEX			
22					
23					
24					
25					
26					
27					

Laboratory Resources, Inc.  
 Division: ..... Teterboro  
 Department: ..... Metals

STANDARDS PREP LOG\_TRACE ICP

Std. Lot No.:		Stock Std. Name	mL	Stock Conc. ppm	ERI Lot No.
STD3090990		1 Al	2.00	10000	A-6203
Std. Name: STD3		2 Ca	2.00	10000	A-6810
Date Prep.: 9.9.96 Time:		3 Mg	2.00	10000	A-6504
Analyst: MD		4 Na	2.00	10000	A-6315
Final Vol.: 1000 100.0 mL		5 Fe	2.00	10000	A-6903
Preservatives: 1.0 10 mL conc. HNO3		6 K	2.00	10000	A-6902
5.0 50 mL conc. HCl					
True Values, ppm: TV					
Element					
1	ALL				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					

Notes: SOURCE: ~~SPEX~~ High Purity

Laboratory Resources, Inc.  
 Division: ..... Teterboro  
 Department: ..... Metals

STANDARDS PREP LOG\_TRACE ICP

Std. Lot No.: <u>CRIW052196</u>		Stock Std. Name	mL	Stock Conc. ppm	LRI Lot No.
Std. Name: <u>CRI-CLP</u>		1 CRI-A-CLP	0.100	MULTI	<u>CRI-A-CLP-0574</u>
Date Prep.: <u>9/21/96</u> Time:		2			
Analyst: <u>Mike Polidori</u>		3			
Final Vol.: <u>300.0 mL</u>		4			
Preservatives: <u>5.0</u> mL conc. HNO <sub>3</sub>		5			
<u>25.0</u> mL conc. HCl		6			
True Values, ppm:		7			
Element	TV	8			
1 Sb	0.120	9			
2 Co	0.100	10			
3 V	0.100	11			
4 Ni	0.080	12			
5 Cu	0.050	13			
6 Zn	0.040	14			
7 Mn	0.030	15			
8 As	0.020	16			
9 Cr	0.020	17			
10 Ag	0.020	18			
11 Tl	0.020	19			
12 Be	0.010	20			
13 Cd	0.010	21			
14 Se	0.010	22			
15 Pb	0.006	23			
16		24			
17		25			
18		26			
19		27			
20		Notes: SOURCE: INORGANICS VENTURES			
21					
22					
23					
24					
25					
26					

Laboratory Resources, Inc.  
 Division: ..... Teterboro  
 Department: ..... Metals

STANDARDS PREP LOG\_TRACE ICP

Std. Lot No.: <u>ICSA-092196</u>		Stock Std. Name	mL	Stock Conc. ppm	LRI Lot No.
Std. Name: <u>ICSA</u>		1	<u>10.0</u>	10000	A- <u>62-03</u>
Date Prep.: <u>9/21/96</u> Time:		2	<u>10.0</u>	10000	A- <u>63-14</u>
Analyst: <u>Mike Boland</u>		3	<u>10.0</u>	10000	A- <u>65-04</u>
Final Vol.: <u>200.0 mL</u>		4	<u>4.00</u>	10000	A- <u>62-15</u>
Preservatives: <u>2.0</u> mL conc. HNO <sub>3</sub>		5			
<u>10.0</u> mL conc. HCl		6			
True Values, ppm:		7			
Element	TV	8			
1	Al	500			
2	Ca	500			
3	Mg	500			
4	Fe	200			
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
Notes:		SOURCE: inorganics ventures			



Laboratory Resources, Inc.  
 Division: ..... Teterboro  
 Department: ..... Metals

STANDARDS PREP LOG\_TRACE ICP

Std. Lot No.: <u>ICSAB CLP032291</u>		Stock Std. Name	ml	Stock Conc. ppm	Std. Lot No.
Std. Name: <u>ICSAB-CLP</u>		1	<u>10.0 25.0</u>	10000	A- <u>63-13</u>
Date Prep.: <u>7/25/96</u> Time:		2	<u>10.0 25.0</u>	10000	A- <u>65-01</u>
Analyst: <u>Mike Pulido</u>		3	<u>10.0 25.0</u>	10000	A- <u>65-04</u>
Final Vol.: <u>500.0 mL</u>		4	<u>4.00 10.0</u>	10000	A- <u>62-15</u>
Preservatives: <u>2.0 5.0</u> mL conc. HNO <sub>3</sub> <u>10.0 25.0</u> mL conc. HCl		5	<u>ICSAB-A-CLP</u> <u>2.00 5.0</u>	MULTI	<u>ICSAB-A-CLP032291</u>
True Values, ppm:		6			
Element	TV	7			
1	Al	500			
2	Ca	500			
3	Mg	500			
4	Fe	200			
5	Ag	0.200			
6	As	0.100			
7	Tl	0.100			
8	Ba	0.500			
9	Be	0.500			
10	Co	0.500			
11	Cr	0.500			
12	Cu	0.500			
13	Mn	0.500			
14	V	0.500			
15	Cd	1.00			
16	Ni	1.00			
17	Zn	1.00			
18	Pb	0.050			
19	Se	0.050			
20	Sb	0.600			
21					
22					
23					
24					
25					
26					
27					

Notes: SOURCE: INORGANICS VENTURES

TITLE

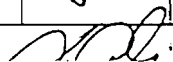
PROJECT NO.

59

BOOK NO.

ERT LOT No.	STD	Manufacturer	Lot No.	Conc. MG/L	Date Received	Expiration Date Opened	Expiration Date	Notes
A-59-01	Ca	I.V.	J-CA02011	10,000	8/16/95	9/10/95	9/10/96	
A-59-02	K	SPEX	K4-61K	10,000	8/29/95	9/10/95	8/13/96	
A-59-03	Mo	SPEX	4-137MO	1,000	8/29/95	9/10/95	9/13/96	
A-59-04	Cd	I.V.	J-CD01675	1,002	8/30/95	9/10/95	8/13/96	
A-59-05	Co	I.V.	K-CO01679	1,003	8/30/95	9/10/95	8/13/96	
A-59-06	Fe	I.V.	J-FE0204	1,005	8/30/95	9/10/95	8/13/96	
A-59-07	Mn	I.V.	J- <del>MAN</del> 01109	1,004	8/30/95	9/10/95	8/13/96	
A-59-08	Mo	I.V.	J-MO01025	1,009	8/30/95	9/10/95	8/13/96	
A-59-09	Na	I.V.	J-NA02002	1,009	8/30/95	9/10/95	8/13/96	
A-59-10	Na	I.V.	K-NA02011	9974	8/30/95	9/10/95	8/13/96	
A-59-11	Pb	I.V.	K-PB02054	996	8/30/95	9/10/95	8/13/96	
A-59-12	Sb	I.V.	K-SB02024	1004	8/30/95	9/10/95	8/13/96	
A-59-13	Si	I.V.	J-SI01107	1005	8/30/95	9/10/95	8/13/96	
A-59-14	Sn	I.V.	J-SN01061	1003	8/30/95	9/10/95	8/13/96	
A-59-15	Ti	I.V.	J-TI01106	1007	8/30/95	9/10/95	8/13/96	
A-59-16	Tl	I.V.	J-TL01108	1004	8/30/95	9/10/95	8/13/96	
A-59-17	V	I.V.	J-VO1117	1002	8/30/95	9/10/95	8/13/96	

SIGNATURE



DATE 1 / 1 /

LRI Lot No.	STD	Manufacturer	Lot No.	Con. Mg/l	Date Received	Date Opened	Expiration Date	Notes
A-60-01	Zn	I.V.	J-2N01094	999	9/13/95	9/14/95	9/30/96	
A-60-02	Li	I.V.	K-L102407	9957	9/10/95	9/10/95	9/30/96	
A-60-03	Li	I.V.	K-L102407	9957	9/10/95		9/10/96	
A-60-04	Li	I.V.	K-L102407	9957	9/10/95		9/10/96	
A-60-05	AL	Spec	114-93AL	10,000	9/12/95		9/30/96	
A-60-06	Ni	Spec	4-151NA	1,000	9/12/95		9/30/96	
A-60-07	Ni	Spec	I3-166NA	10,000	9/12/95		9/30/96	
A-60-08	Ag	I.V.	K-A500104	1007	9/12/95	9/13/95	9/12/96	
A-60-09	As	I.V.	J-AS01102	999	9/12/95	9/13/95	9/12/96	
A-60-10	B	I.V.	K-B401105	1007	9/12/95	9/13/95	9/12/96	
A-60-11	B <sub>2</sub>	I.V.	K-B401105	992	9/12/95	9/13/95	9/12/96	
A-60-12	Be	I.V.	K-BE01103	1002	9/12/95	9/13/95	9/12/96	
A-60-13	C <sub>1</sub>	I.V.	K-CR02019	10,030	9/12/95		9/12/96	
A-60-14	Cr	I.V.	K-CR02019	1005	9/12/95	9/13/95	9/12/96	
A-60-15	Cu	I.V.	K-CU02015	1001	9/12/95	2/20/96	9/12/96	
A-60-16	Fe	I.V.	K-FE02009	9942	9/12/95		9/12/96	
A-60-17	K	I.V.	J-K02023	10,009	9/12/95	9/13/95	9/12/96	

SIGNATURE



DATE

10/10/95

I NO.	STD	Manufactured	Lot No.	Conc. Mg/L	Date Received	Date Opened	Expiring Date	Notes
-61-01	Mg	I.V.	J-MG0012	1011	9/20/95	9/20/95	9/20/96	
-61-02	Pb	I.V.	K-MG0032	10,076	9/20/95		9/20/96	
-61-03	Se	I.V.	J-SE01063	1002	9/20/95	9/30/95	9/20/96	
61-04	H. d. m. k. m. H. y. d. o. n. i. u. m.	J.T. Baker	44704 7011-1	-	10/13/95			520 gms X 4
61-05	Stannous Chloride Dihydrate	J.T. Baker	J16708	SnCl <sub>2</sub> 2H <sub>2</sub> O	10/13/95			520 gms X 4
61-06	Potassium Persulfate	J.T. Baker	J03778	K <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	10/16/95			520 gms X 4
-61-07	B	Spex	4-237B	1000	10/30/95		10/31/96	
-61-08	Se	Spex	4-140SE	1000	10/30/95		10/31/96	
-61-09	Sn	Spex	EY-3SN	10,000	10/30/95	10/30/95	10/31/96	
-61-10	Se	Spex	4-140SE	1.000	10/30/95 10/27/95	11/07/95	10/31/96	
-61-10	Fe	Spex	4-92FE	10,000	11/01/95	11/01/95	11/15/96	
-61-11	Al	I.V.	K-AL0303	10,051	10/31/95		10/31/96	
-61-12	Ca	I.V.	J-CA0205	1004	10/31/95		10/31/96	
-61-13	Mg	I.V.	K-MG0032	10,011	12/1/95		12/1/96	
-61-14	Na	I.V.	K-NA0204	9974	12/1/95		12/1/96	
-61-15	Ca	I.V.	K-CA0205	10,000	12/1/95		12/1/96	
-61-16	Li	I.V.	K-LI0107	9957	12/1/95		12/1/96	

LOT	STD	Manufacturer	Lot No.	Conc.	Date	Rate	Expiration	ACC
LOT NO.				mg/L	Received	Used	Date	
A-62-01	SD	Spey	4-242SB	1,000	12/15/95	2/13/96	12/15/96	
A-62-02	TL	Spey	4-113TL	1,000	12/15/95	5/11/96	12/15/96	
A-62-03	AL	Inorganic Ventures	K-AL0034	1001	1/05/96		1/05/97	
A-62-04	Hg	Inorganic Ventures	K-HG0125	1005	1/05/96		1/05/97	
A-62-05	Ni	Inorganic Ventures	K-NI0111	1004	1/05/96	2/1/96	1/05/97	
A-62-06	Ag	Spey	4-157AG	1000	1/19/96		1/15/97	
A-62-07	Ca	Spey	4-240CA	1000	1/19/96	7/09/96	1/15/97	
A-62-08	Cd	Spey	4-163CD	1000	1/19/96	2/12/96	1/15/97	
A-62-09	Co	Spey	4-220CO	1000	1/19/96	2/12/96	1/15/97	
A-62-10	Cu	Spey	4-234CU	1000	1/19/96	2/12/96	1/15/97	
A-62-11	Hg	Spey	4-196HG	1000	1/19/96		1/15/97	
A-62-12	Mg	Spey	4-174MG	10,000	1/19/96	2/12/96	1/15/97	
A-62-13	Mn	Spey	4-235MN	1,000	1/19/96	2/12/96	1/15/97	
A-62-14	Si	Spey	4-145SI	1,000	1/19/96	2/12/96	1/15/97	
A-62-15	Fe	Inorganic Ventures	K- <del>FE</del> 1000	10,000	2/01/96	6/14/96	2/01/97	
A-62-16	Li	Inorganic Ventures	K-LI0107	10,000	2/01/96	2/05/96	2/01/97	
A-62-17	Li	Inorganic Ventures	K-LI0107	10,000	2/01/96		2/01/97	

SIGNATURE

DATE

TITLE

PROJECT NO.

63

BOOK NO.

LRI	SID	Manufacturer	Lot. No.	Conc. Mg/l	Date Received	Date Opened	Expiration Date	Notes
A-63-01	K	Inorganic Ventures	K-QK01011	10,099	2/10/96		2/10/97	
A-63-02	Mg	Inorganic Ventures	K-MG01091	10,011	2/10/96		2/10/97	
A-63-03	Ti	Inorganic Ventures	K-TI01117	1000	2/10/96		2/10/97	
A-63-04	AL	Inorganic Ventures	K-AL03037	995	3/05/96	3/06/96	3/05/97	
A-63-05	Ba	Inorganic Ventures	K-QBAC002	1002	3/05/96		3/05/97	
A-63-06	Ca	Inorganic Ventures	K-CA01066	10,069	3/05/96	3/05/96	3/05/97	
A-63-07	Int-Bi	Spex	9-93AS	100 ppm Ag, Cd, Pb, Zn, 50 ppm Ba, Fe, Co, Cu, Mn, V	3/12/96	3/22/96	3/15/97	
A-63-08	Spex	Spex	9-113AS	200 ppm Ag, Cd, Pb, Zn, 50 ppm Ba, Fe, Co, Cu, Mn, V, Ni, Cr	3/13/96		3/15/97	
A-63-09	Li	Inorganic Ventures	K-LI0107	9957				
A-63-10	SID 2 (containing Ag, Ba, Bi, Ca, Cd, Cu, Fe, Pb, Ni, S, Ti, V, Zn, Pb, Cr)	Spex	10-09MM	100PPM	4/05/96	4/17/96	4/10/97	Contains 200 ppm of Ag, Ba, Bi, Ca, Cd, Cu, Fe, Pb, Ni, S, Ti, V, Zn, Pb, Cr
A-63-11	Interferent A	Spex	10-37AS	5,000 ppm Ag, Cd, Pb, Zn, 7,000 ppm Ba, Fe	4/05/96	4/05/96	4/01/97	
A-63-12	B	Inorganic Ventures	K-B01120	1000	4/22/96		4/22/97	
A-63-13	AL	Inorganic Ventures	K-AL03037	10041	4/22/96		4/22/97	
A-63-14	Ca	Inorganic Ventures	K-CA01066	10069	4/22/96	5/10/96	4/22/97	
A-63-15	Ny	Inorganic Ventures	K-NA0070	9908	4/22/96		4/22/97	
A-63-16	Ti	Inorganic Ventures	K-TI01117	1000	4/22/96		4/22/97	

SCIENTIFIC WAREHOUSE, INC. CHICAGO, ILL. 60605

SIGNATURE

DATE

LRT LWT No.	STD	Manufacturer	Lot No.	Conc. Mg/L	Date Received	Date Opened	Expiration Date	N
A-64-01	Mg	Inorganic Ventures	K-Mg0003	10,052	4/17/96	5/10/96	4/22/97	
A-64-02	Y	Inorganic Ventures	L-Y01061	1004	4/12/96	5/01/96	4/21/97	
A-64-03	Li	Inorganic Ventures	L-Li2002	10,070	4/29/96	4/29/96	5/01/97	
A-64-04	Ba	Spex	4-146BA	1,000	5/09/96	7/09/96	5/15/97	
A-64-05	Ca	Spex	K4-35CA	1,000	5/09/96	5/17/96	5/15/97	
A-64-06	Ni	Spex	4-269NI	1,000	5/09/96	5/17/96	5/15/97	
A-64-07	Pb	Spex	4-103PB	1,000	5/09/96	5/17/96	5/15/97	
A-64-08	Ti	Spex	5-24TI	1,000	5/09/96		5/15/97	
A-64-09	Zn	Spex	4-247ZN	1,000	5/09/96	5/17/96	5/15/97	
A-64-10	As	Spex	4-263AS	1,000	5/16/96	08/01/96	5/15/97	
A-64-11	Fe	Spex	I4-92FE	10,000	5/16/96		5/15/97	
A-64-12	K	Spex	K4-61K	10,000	5/16/96		5/15/97	
A-64-13	Enterbly A	Spex	10-34AS	5000ppm Al (g) Mg 2000ppm Fe	5/16/96	5/26/96	5/15/97	
A-64-14	Sn	Spex	5-45SN	1,000	5/15/96	5/15/96	5/31/97	
A-64-15	Li	Inorganic Ventures	L-Li2002	10,070	6/07/96	6/07/96	7/01/97	
A-64-16	Al	Inorganic Ventures	K-AL0302	10,025	6/07/96		7/01/97	
A-64-17	As	Inorganic Ventures	K-AS01109	1003	6/07/96		7/01/97	

SIGNATURE

SCIENTIFIC SINCERITY PRODUCTS, INC.

DATE

TITLE

PROJECT NO.

6!

BOOK NO.

LRI LOTNO.	STD	Manufacturer	Lot No.	Conc, Ms/L	Date Received	Date Opened	Expiration Date	Notes
A-65-01	Cu	Inorganic Ventures	K-CA0207	10000	6/07/96		7/01/97	
A-65-02	Fe	Inorganic Ventures	K-FE0203	999	6/07/96		7/01/97	
A-65-03	K	Inorganic Ventures	K-K0205	9950	6/07/96	6/13/96	7/01/97	
A-65-04	Mg	Inorganic Ventures	L-MG0209	10000	6/07/96	6/19/96	7/01/97	
A-65-05	Mo	Inorganic Ventures	K-MO0102	1005	6/07/96		7/01/97	
A-65-06	Na	Inorganic Ventures	L-NA0207	9900	6/07/96		7/01/97	
A-65-07	Sn	Inorganic Ventures	R-SN0107	990	6/07/96		7/01/97	
A-65-08	Be	Spec	4-219BE	1000	6/20/96	7/09/96	7/30/97	
A-65-09	Cr	Spec	4-226CR	1000	6/20/96	7/09/96	7/30/97	
A-65-10	Al	Spec	5-17AL	1000	6/20/96	7/09/96	7/30/97	
A-65-11	Fe	Spec	5-30FE	1000	6/20/96	7/09/96	7/30/97	
A-65-12	Mg	Spec	4-202MG	1000	6/20/96	7/09/96	7/30/97	
A-65-13	AL	High purity	6906018	1000	7.5996	7.1796	8-1-97	
A-65-14	AL		690508	10000				
A-65-15	SiO		690501	1000		7.1796		
A-65-16	AS		690572	1000				
A-65-17	BA	✓	690604	1000	✓	✓		

SIGNATURE

DATE



LRI lot #	STD	manufacturer	lot #	conc. mg/l	Date received	Date opened	Expiry Date	note
A.66.01	be	High Purity	69069	1000	7.5.96	7.17.96	8.1.97	
A.66.02	B		690417	1000				
A.66.03	cd		690509	1000		↓		
A.66.04	CA		690125	1000				
A.66.05	CA		690012	10,000		7.17.96		
A.66.06	Cr		690025	1000				
A.66.07	Co		690416	1000				
A.66.08	Co		690513 2-3	1000		↓		
A.66.09	Fe		690019	1000				
A.66.10	Fe		690024	10,000		7.17.96		
A.66.11	pb		690701	1000		↓		
A.66.12	Li		690014	1000				
A.66.13	mg		690429	1000		7.17.96		
A.66.14	mg		690424	10,000				
A.66.15	Mn		690627			7.17.96		
A.66.16	Hg		690019					
A.66.17	MO	✓	690306		✓	7.17.96		

SIGNATURE

DATE

T.E

PROJECT NO.

67

BOOK NO.

LRI ST #	STD	manufacturer	lot #	conc mg/L	Date received	Date opened	Expre. Date	notes
7.67.01	NI	<del>690610</del> High Purity	690610	1000	7.5.96	7.7.96	8.1.97	
7.67.02	K	High Purity	690501	1000				
7.67.03	K		690522	10000		7.7.96		
7.67.04	SE		690523	1000				
7.67.05	Si		690508	1000				
7.67.06	Aq		690415	1000		✓		
7.67.07	NA		690530	1000				
7.67.08	NA		690410	10000		7.7.96		
7.67.09	TL		690462	1000				
7.67.10	Sn		690528	1000				
7.67.11	Ti		690410	1000				
7.67.12	VA		690315	1000		✓		
7.67.13	Y		690319	1000				
7.67.14	Zn		690522	1000		7.7.96		
7.67.15	CLP analyte		690520	various				
7.67.16	CLP inf.		690318	various				
7.67.17		✓			✓			

SIGNATURE

DATE

TITLE

PROJECT NO.

BOOK NO.

R1 #	STD	manufacturer	lot #	conc mg/L	Date received	Date opened	Expire Date	notes
6801	CA	High Purity	69002	10000	8/22/96	8/22/96	8.1.97	
6802	Fe		690024	10000				
6803	Mg		690731	10000				
6804	K		690728	10000				
6805	NA		690410	10000				
6806	B		690729	1000				
6807	Si		690508	1000				
6808	Ti		690701	1000	✓	✓	✓	
6809	Ba	ULTRA SCIENTIFIC	IC-0035	1000	9/03/96		10/97	
6810	Ca	ULTRA SCIENTIFIC	IC-0499	10000	9/03/96		10/97	
6811	Cd	ULTRA SCIENTIFIC	IC-0259	1000	9/03/96		10/97	
6812	Co	ULTRA SCIENTIFIC	IC-0261	1000	9/03/96		10/97	
6813	Be	ULTRA SCIENTIFIC	IC-0292	1000	9/03/96		10/97	
6814	Ag	ULTRA SCIENTIFIC	IC-0197	1000	9/03/96		10/97	
6815	Cr	ULTRA SCIENTIFIC	IC-0420	1000	9/03/96		10/97	
6816	Cu	ULTRA SCIENTIFIC	IC-0364	1000	9/03/96		10/97	
6817	Mg	✓	IC-0353	1000	9/03/96		10/97	

SIGNATURE

DATE



Laboratory Resources, Inc.  
 Division: ..... Teterboro  
 Department: ..... Metals

STANDARDS PREP LOG\_TRACE ICP

Std. Lot No.: S5Trace# 1  
 Std. Name: SSTRACE-1-CLP  
 Date Prep.: 8/28/96 Time:  
 Analyst: Suguna  
 Final Vol.: 200.0 mL  
 Preservatives: 2.0 mL conc.HNO3  
0 mL conc.HCl  
 True Values, ppm:  
 Element TV

Element	TV
1 Ag	5.00
2 Ba	200
3 Be	5.00
4 Co	50.0
5 Cr	20.0
6 Cu	25.0
7 Mn	50.0
8 Ni	50.0
9 Sb	50.0
10 Zn	50.0
11 V	50.0
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	

Stock Std. Name	mL	Stock Conc. ppb	LRI Lot No.
<del>1 Ag</del>	<del>1.00</del>	<del>1000</del>	<del>A</del>
2 Ba	40.0	1000	A-63-05
3 Be	1.00	1000	A-60-12
4 Co	10.0	1000	A-59-05
5 Cr	4.00	1000	A-60-14
6 Cu	5.00	1000	A-60-15
7 Mn	10.0	1000	A-59-07
8 Ni	10.0	1000	A-62-05
9 Sb	10.0	1000	A-59-12
10 Zn	10.0	1000	A-60-01
11 V	10.0	1000	A-59-17
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			

Notes: SOURCE: INORGANICS VENTURES

1. LIQUIDS: USE 1.00 mL TO 100.0 mL SAMPLE

2. SOILS: USE 2.00 mL TO 200.0 mL SAMPLE

Laboratory Resources, Inc.  
 Division: ..... Teterboro  
 Department: ..... Metals

STANDARDS PREP LOG\_TRACE ICP

Std. Lot No.: SSTRace-2  
 Std. Name: SSTRACE-2-CLP  
 Date Prep.: 9/4/96 Time:  
 Analyst: SS  
 Final Vol.: 200.0 ml  
 Preservatives: 2.0 mL conc.HNO<sub>3</sub>  
0 mL conc.HCl  
 True Values, ppm:  
 Element TV

1	Al	200
2	Fe	100
3	Ca	2000
4	Mg	2000
5	Na	2000
6	K	2000
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		

	Stock Std Name	ml	Stock Conc. ppb	ERI Lot No.
1	Al	4.00	10000	A- 64-16
2	Fe	20.0	1000	A- 65-02
3	Ca	40.0	10 000	A -68-10
4	Mg	40.0	10000	A - 68-17
5	Na	40.0	10000	A - 65-06
6	K	40.0	10 000	A - 69-03
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				

Notes: SOURCE: INORGANICS VENTURES

1. LIQUIDS: USE 1.00 mL TO 100.0 mL SAMPLE

2. SOILS: USE 2.00 mL TO 200.0 mL SAMPLE

Laboratory Resources, Inc.  
 Division: ..... Teterboro  
 Department: ..... Metals

STANDARDS PREP LOG\_TRACE ICP

Std. Lot No.: <u>SS Trace # 3</u>		Stock Std. Name	mL	Stock Conc. ppm	ERI Lot No.
Std. Name: <u>SSTRACE -3-CLP</u>		1 As	0.800	1000	A-60-09
Date Prep.: <u>7/26/96</u> Time:		2 Cd	1.00	1000	A-59-04
Analyst: <u>Sugano</u>		3 Pb	0.400	1000	A-59-11
Final Vol.: <u>200.0</u> mL		4 Se	0.200	1000	A-61-03
Preservatives: <u>2.0</u> mL conc. HNO <sub>3</sub>		5 Tl	1.00	1000	A-59-16
0 _____ mL conc. HCl		6			
True Values, ppm:		7			
Element	TV	8			
1 As	4.00	9			
2 Cd	5.00	10			
3 Pb	2.00	11			
4 Se	1.00	12			
5 Tl	5.00	13			
6		14			
7		15			
8		16			
9		17			
10		18			
11		19			
12		20			
13		21			
14		22			
15		23			
16		24			
17		25			
18		26			
19		27			
20		Notes: SOURCE: INORGANICS VENTURES			
21		1. LIQUIDS: USE 1.00 mL TO 100.0 mL SAMPLE			
22		2. SOILS: USE 2.00 mL TO 200.0 mL SAMPLE			
23					
24					
25					
26					

Laboratory Resources, Inc.  
 Division: ..... Teterboro  
 Department: ..... Metals

STANDARDS PREP LOG\_TRACE ICP

Std. Lot No.:		Stock Std. Name	ml	Stock Conc. ppb	LRI Lot No.
SSTrace # 4		1 B	40.00	1000	A-63-12
Std. Name: SSTrace # 4		2 MD	40.00	1000	A-65-05
Date Prep.: 09/05/96 Time:		3 Sn	40.00	1000	A-65-07
Analyst: SUGUNA		4 Ti	40.00	1000	A-63-03
Final Vol.: 200 ml		5			
Preservatives: 2.0 mL conc. HNO3		6			
True Values, ppm: _____ mL conc. HCl		7			
Element	TV	8			
1 B	200	9			
2 MD	200	10			
3 Sn	200	11			
4 Ti	200	12			
5		13			
6		14			
7		15			
8		16			
9		17			
10		18			
11		19			
12		20			
13		21			
14		22			
15		23			
16		24			
17		25			
18		26			
19		27			
20		Notes: Source: Inorganic Ventures			
21		1. Liquids: Use 1.0ml to 100ml Sample			
22		Soils: Use 2.0ml to 200ml Sample			
23					
24					
25					



Laboratory Resources, Inc.  
 Division: ..... Teterboro  
 Department: ..... Metals

STANDARDS PREP LOG\_TRACE ICP

Std. Lot No.: <u>S5 Trace # 5</u>		Stock Std. Name	mL	Stock Conc. ppm	LRI Lot No.	
Std. Name: _____		1	Ag	1.0	1000	A-60-08
Date Prep.: <u>8/14/96</u> Time: _____		2				
Analyst: <u>Suzanna</u>		3				
Final Vol.: <u>200ml</u>		4				
Preservatives: <u>2ml</u> mL conc. HNO <sub>3</sub>		5				
True Values, ppm: _____ mL conc. HCl		6				
Element <u>TV</u>		7				
1		8				
2		9				
3		10				
4		11				
5		12				
6		13				
7		14				
8		15				
9		16				
10		17				
11		18				
12		19				
13		20				
14		21				
15		22				
16		23				
17		24				
18		25				
19		26				
20		27				
		Notes:				
22						
23						
24						
25						

Laboratory Resources, Inc.  
 Division: Teterboro  
 Department: Wet Chemistry

PERCENT MOISTURE

ANALYST JS DATE 9/07/96 CHECKED BY Ajy DATE 9/11/96

D I F

SAMPLE ID NUMBER	DISH I.D.	DISH WEIGHT (g)	INITIAL WEIGHT (g)	FINAL WEIGHT (g)	% SOLID	% MOISTURE
Blank	23	1.086	1.086	1.086	1.086	
609071-1	24	1.100	7.517	6.484	6.484	16.1
-1 <sup>25</sup> Dup	25	1.086	6.494	5.602	5.602	16.5
-2	26	1.098	8.241	7.753	7.753	
-3	27	1.111	8.698	7.514	7.514	
-4	28	1.102	7.037	6.779	6.779	
609076-1	29	1.088	6.283	5.083	5.083	
-2	30	1.099	7.756	6.527	6.527	
-3	31	1.106	8.263	6.648	6.648	
609077-1	32	1.098	7.277	6.569	6.569	
-2	33	1.100	8.150	7.078	7.078	
-3	34	1.095	6.281	5.618	5.618	
609078-2	35	1.125	9.124	8.047	8.047	
-3	36	1.086	9.358	8.113	8.113	
-4	37	1.107	7.209	6.164	6.164	
609080-1	38	1.101	6.127	5.521 ✓	5.521 ✓	12.1
dup 1	39	1.113	6.552	5.883	5.883	12.3
-2	40	1.096	6.324	5.836	5.836	
-3	41	1.107	7.687	7.454	7.454	
-4	42	1.106	6.925	6.240 ✓	6.240	
-5	43	1.098	5.902	5.499	5.499	
-6	44	1.107	6.619	5.812	5.812	

Laboratory Resources, Inc.  
 Division: Teterboro  
 Department: Wet Chemistry

PERCENT MOISTURE

ANALYST JS DATE 9/07/96 CHECKED BY Rjmy DATE 9/11/96

SAMPLE ID NUMBER	DISH I.D.	DISH WEIGHT (g)	INITIAL WEIGHT (g)	FINAL WEIGHT (g)	% SOLID	% MOISTURE
Blank	45	1.089	1.089	1.089	1.089	
609080-7	46	1.099	8.105	7.479	7.479	8.94
-7 Dup	47	1.098	6.032	5.586	5.586	9.04
-8	48	1.133	7.387	6.603	6.603	
-9	49	<del>1.102</del> 6.615	6.615	6.147	6.147	
-10	50	1.092	6.556	6.132	6.132	
-11	51	1.125	7.337	6.704	6.704	
-12	52	1.132	7.062	6.188	6.188	
-13	53	1.100	6.912	5.418	5.418	
-14	54	1.094	6.487	6.002	6.002	
-15	55	1.104	7.282	6.562	6.562	
-16	56	1.124	7.068	6.764	6.764	
-17	57	1.116	7.284	6.875	6.875	
-18	58	1.107	6.784	6.185	6.185	
-19	59	1.106	7.557	6.857	6.857	
-23	60	1.087	6.269	5.900	5.900	
-24	61	1.096	7.438	6.786	6.786	
-25	62	1.081	6.806	6.147	6.147	
-26	63	1.100	7.190	6.882	6.882	
-27	64	1.097	6.454	5.980	5.980	
-28	65	1.096	5.717	5.343	5.343	
-29	66	1.095	6.854	6.444	6.444	

Laboratory Resources, Inc.  
 Division: Teterboro  
 Department: Wet Chemistry

PERCENT MOISTURE

ANALYST JS DATE 9/07/96 CHECKED BY Aguy DATE 9/11/96

D I F

SAMPLE ID NUMBER	DISH I.D.	DISH WEIGHT (g)	INITIAL WEIGHT (g)	FINAL WEIGHT (g)	% SOLID	% MOISTURE
Blank	67	1.084	1.084	1.084	1.084	
609080-30	68	1.107	7.665	7.245	7.245	6.40
-30 Dup	69	1.104	7.012	6.607	6.607	6.86
-31	70	1.090	6.648	6.164	6.164	
-32	71	1.092	7.780	7.396	7.396	
-33	72	1.105	6.189	5.674	5.674	
-34	73	1.107	7.430	6.980	6.980	
-35	74	1.102	7.496	6.905	6.905	
-36	75	1.120	7.985	7.692	7.692	
-37	76	1.080	6.295	5.794	5.794	
-38	77	1.100	7.244	6.825	6.825	
-39	78	1.095	6.084	5.611	5.611	
-40	79	1.099	6.672	5.540	5.540	
609092-1	80	1.085	7.556	7.364	7.364	
-2	81	1.091	8.842	8.087	8.087	
-3	82	1.089	8.261	8.055	8.055	
-4	83	1.094	7.828	6.936	6.936	
-5	84	1.094	7.344	7.212	7.212	
-6	85	1.087	9.682	8.986	8.986	
-7	86	1.088	8.642	8.542	8.542	
-8	87	1.099	7.052	6.003	6.003	



LRI QUOTE # \_\_\_\_\_

CUSTOMER INFORMATION

CUSTOMER: AGFA Division of Bayer
ADDRESS: 100 CHALLENGER ROAD
RIDGEFIELD PARK, N.J. 07660
TELEPHONE: 201-440-0111
FAX: 201-440-4376

PROJECT INFORMATION

PROJECT: FORMER POWERLESS PHOTO PRODUCTS
PROJECT LOCATION: SHOREHAM STATE: N.Y.
PROJECT MANAGER: JOE BASILLE
NAME: TONY FIORENTINE
TELEPHONE: (516) 472-4000
FAX: (516) 472-4077

BILLING INFORMATION

BILL TO: AGFA Division of Bayer
ADDRESS: 100 CHALLENGER ROAD
RIDGEFIELD PARK, N.J.
ATTENTION: RICHARD ROCHA
TELEPHONE: 201-440-0111
PO #: \_\_\_\_\_

Table with columns: LAB ID CODE, SAMPLE IDENTIFICATION, DATE COLLECTED, TIME COLLECTED, SAMPLE TYPE (COMPOSITE, GRAB), SAMPLE MATRIX, # OF BOTTLES, ANALYSIS (SILVER, CADMIUM, H2SO4, HCl), and PR.

TURNAROUND (INDICATE IN CALENDAR DAYS): FAX 14 HARD COPY DELIV. PKG.
NAME OF LAB PERSONNEL CONFIRMING:
DELIVERABLES / (CIRCLE ONE): DATA DATA/QC RED/DELIV NJ/CLP I NJ/CLP II
SAMPLER / AFFILIATION:
RECEIVED / AFFILIATION:
RELINQUISHED / AFFILIATION:
RECEIVED / AFFILIATION:
R' UISHED / AFFILIATION:
RE... VED / AFFILIATION:

LAB USE CONDITIONS OF BOTTLES AND COOLER AT RECEIPT:
COMPLIANT NOT COMPLIANT (IF NOT EXPLAIN UNDER COM
COMMENTS: All SAMPLES COLLECTED 9/5/96.
SAMPLES MISLABELED AS 9/4/96



LRI QUOTE # \_\_\_\_\_

CHAIN OF CUSTODY

CUSTOMER INFORMATION

CUSTOMER: ALFA Division of Bayer  
 ADDRESS: 100 CHALLENGER ROAD  
RIDGEFIELD PARK, N.J. 07660  
MR. RICHARD ROCHA  
 TELEPHONE: 201-440-0111  
 FAX: 201-440-4376

PROJECT INFORMATION

PROJECT: FORMER PEERLESS PHOTO PRODUCTS  
 PROJECT LOCATION: SHOREHAM STATE: N.Y.  
 PROJECT MANAGER: JOE BASILE  
 IN CASE WE HAVE ANY QUESTIONS WHEN SAMPLES ARRIVE WE SHOULD CALL:  
 NAME: TONY FIORENTINE  
 TELEPHONE: (516) 472-4000  
 FAX: (516) 472-4077

BILLING INFORMATION

BILL TO: SAME AS CUSTOMER  
 ADDRESS: \_\_\_\_\_  
 ATTENTION: \_\_\_\_\_  
 TELEPHONE: \_\_\_\_\_  
 PO #: \_\_\_\_\_

LAB ID CODE	SAMPLE IDENTIFICATION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE		SAMPLE MATRIX	# OF BOTTLES	SILVER SADMIUM	ANALYSIS										H2SO4	HCL	PRI				
				COMPOSITE	GRAB																				
(10)	SB-2-5SDUP	9/5/96	9:20		X	Soil	1	X																	
(11)	SB-2-5D	9/5/96	9:30		X	Soil	1	X																	
(12)	SB-2-6S	9/5/96	9:35		X	Soil	1	X																	
(13)	SB-2-6D	9/5/96	9:40		X	Soil	1	X																	
(14)	SB-2-7S	9/5/96	9:45		X	Soil	1	X																	
(15)	SB-2-7D	9/5/96	9:50		X	Soil	1	X																	
(16)	SB-2-8S	9/5/96	10:00		X	Soil	1	X																	
(17)	SB-2-8D	9/5/96	10:05		X	Soil	1	X																	
(18)	SB-2-9S	9/5/96	10:40		X	Soil	1	X																	

TURNAROUND (INDICATE IN CALENDAR DAYS): \_\_\_\_\_ FAX 14 HARD COPY \_\_\_\_\_ DELIV. PKG. \_\_\_\_\_

NAME OF LAB PERSONNEL CONFIRMING: \_\_\_\_\_  
 DELIVERABLES / (CIRCLE ONE): DATA DATA/QC RED/DELIV NJ/CLP I NJ/CLP II  
 NJ/REGI NY/ASP CLP OTHER \_\_\_\_\_

SAMPLER / AFFILIATION: Walter B... FLOOR DANIEL GTI DATE: 9/6/96  
 RECEIVED / AFFILIATION: J.P. ... LRI TIME: 1:00  
 RELINQUISHED / AFFILIATION: J.P. ... DATE: 9/6/96  
 RECEIVED / AFFILIATION: ... TIME: 14:45  
 RE...ISHED / AFFILIATION: \_\_\_\_\_  
 RECEIVED / AFFILIATION: \_\_\_\_\_

RETURN TO CLIENT FOR DISPOSAL  LAB DISPOSAL  
 KNOWN HAZARD (FLAMMABLE, EXPLOSIVE, TOXIC)  
 YES  NO (IF YES EXPLAIN UNDER COMMENT)

**LAB USE** CONDITIONS OF BOTTLES AND COOLER AT RECEIPT:  
 COMPLIANT  NOT COMPLIANT (IF NOT EXPLAIN UNDER COM  
 COMMENTS: All SAMPLES COLLECTED 9/5/96.  
SAMPLES MISLABELED AS 9/4/96



LRI QUOTE # \_\_\_\_\_

**CUSTOMER INFORMATION**

CUSTOMER: AGFA Division of Bayer  
 ADDRESS: 100 CHALLENGER ROAD  
RIDGEFIELD PARK, N.J. 07660  
MR. RICHARD ROCHA  
 TELEPHONE: 201-440-0111  
 FAX: 201-440-4376

**PROJECT INFORMATION**

PROJECT: FORMER PEERLESS PHOTO PRODUCTS  
 PROJECT LOCATION: SHOREHAM STATE: N.Y.  
 PROJECT MANAGER: JOE BASILLE  
IN CASE WE HAVE ANY QUESTIONS WHEN SAMPLES ARRIVE WE SHOULD CALL:  
 NAME: TONY FIGURENINE  
 TELEPHONE: (516) 472-4000  
 FAX: (516) 472-4077

**BILLING INFORMATION**

BILL TO: SAME AS CUSTOMER  
 ADDRESS: \_\_\_\_\_  
 ATTENTION: \_\_\_\_\_  
 TELEPHONE: \_\_\_\_\_  
 PO #: \_\_\_\_\_

LAB ID CODE	SAMPLE IDENTIFICATION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE		SAMPLE MATRIX	# OF BOTTLES	SILVER TANNING	ANALYSIS										PRE		
				COMPOSITE	GRAB				H2SO4	HCL	...										
19	SB-2-9D	7/5/96	10:45		X	SOIL	1	X													
20	RINSEATE BIK & SPOON	7/5/96	11:00		X	WATER	1	X													
21	RINSEATE BIK & AUGER	7/5/96	11:00		X	WATER	1	X													
22	FIELD BLANK	7/5/96	11:10		X	WATER	1	X													
23	SB-2-10S	7/5/96	11:12		X	SOIL	1	X													
24	SB-2-10D	7/5/96	11:15		X	SOIL	1	X													
25	SB-2-10D DUP	7/5/96	11:15		X	SOIL	1	X													
26	SB-2-11S	7/5/96	11:25		X	SOIL	1	X													
27	SB-2-11D	7/5/96	11:30		X	SOIL	1	X													

TURNAROUND (INDICATE IN CALENDAR DAYS): \_\_\_\_\_ FAX 14 HARD COPY \_\_\_\_\_ DELIV. PKG. \_\_\_\_\_

NAME OF LAB PERSONNEL CONFIRMING: \_\_\_\_\_

DELIVERABLES / (CIRCLE ONE): DATA DATA/QC RED/DELIV NJ/CLP I NJ/CLP II

NJ/REGI NY/ASP CLP OTHER

SAMPLER / AFFILIATION: Allyson Bona / Fluor Daniel GTE

DATE: 7/6/96

RECEIVED / AFFILIATION: Mr. P. ... LRR

TIME: 1:00

RELINQUISHED / AFFILIATION: Mr. P. ...

DATE: 9/6/96

RECEIVED / AFFILIATION: K. ...

TIME: 14:45

RE ...

RETURN TO CLIENT FOR DISPOSAL  LAB DISPOSAL

KNOWN HAZARD (FLAMMABLE, EXPLOSIVE, TOXIC)

YES  NO (IF YES EXPLAIN UNDER COMMENTS)

**LAB USE** CONDITIONS OF BOTTLES AND COOLER AT RECEIPT:

COMPLIANT  NOT COMPLIANT (IF NOT EXPLAIN UNDER COM)

COMMENTS ALL SAMPLES COLLECTED 7/5/96

SOME LABELS MISMATCHED 9/4/96



LRI QUOTE # \_\_\_\_\_

**CUSTOMER INFORMATION**

CUSTOMER: AGFA DIVISION OF BAYER  
 ADDRESS: 100 CHALLENGER ROAD  
RIDGEFIELD PARK, N.J. 07660  
MR. RICHARD ROCHA  
 TELEPHONE: 201-440-0111  
 FAX: 201-440-4376

**PROJECT INFORMATION**

PROJECT: FORMER PEERLESS PHOTO PRODUCTS  
 PROJECT LOCATION: SHOREHAM STATE: N.Y.  
 PROJECT MANAGER: JOE BASILE  
 IN CASE WE HAVE ANY QUESTIONS WHEN SAMPLES ARRIVE WE SHOULD CALL:  
 NAME: TONY FIORENTINE  
 TELEPHONE: (516) 472-4000  
 FAX: (516) 472-4077

**FILING INFORMATION**

BILL TO: SAME AS CUSTOMER  
 ADDRESS: \_\_\_\_\_  
 ATTENTION: \_\_\_\_\_  
 TELEPHONE: \_\_\_\_\_  
 PO #: \_\_\_\_\_

LAB ID CODE	SAMPLE IDENTIFICATION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE		SAMPLE MATRIX	# OF BOTTLES	SILVER SADIUM	ANALYSIS												PRES					
				COMPOSITE	GRAB																		H2SO4	HCL	Li	
28	SB-2-12S	9/5/96	11:40		X	Soil	1	X																		
29	SB-2-12D	9/5/96	11:45		X	Soil	1	X																		
30	SB-2-13S	9/5/96	11:55		X	Soil	1	X																		
31	SB-2-13D	9/5/96	12:00		X	Soil	1	X																		
32	SB-2-14S	9/5/96	12:15		X	Soil	1	X																		
33	SB-2-14D	9/5/96	12:20		X	Soil	1	X																		
34	SB-2-15S	9/5/96	12:30		X	Soil	1	X																		
35	SB-2-15D	9/5/96	12:35		X	Soil	1	X																		
36	SB-2-16S	9/5/96	12:40		X	Soil	1	X																		

TURNAROUND (INDICATE IN CALENDAR DAYS): \_\_\_\_\_ FAX 14 HARD COPY \_\_\_\_\_ DELIV. PKG.  
 NAME OF LAB PERSONNEL CONFIRMING: \_\_\_\_\_  
 DELIVERABLES / (CIRCLE ONE): DATA DATA/QC RED/DELIV NJ/CLP I NJ/CLP II  
 NJ/REGL NY/ASP CLP OTHER  
 SAMPLER / AFFILIATION: NY/REG NY/ASP CLP OTHER  
 RECEIVED / AFFILIATION: M. P. Elvor / LRI DATE: 9/6/96  
 RELINQUISHED / AFFILIATION: \_\_\_\_\_ TIME: 1:00  
 RECEIVED / AFFILIATION: C. [Signature] / LRI DATE: 9/6/96  
 RECEIVED / AFFILIATION: \_\_\_\_\_ TIME: 14:45  
 REL / SHED / AFFILIATION: \_\_\_\_\_  
 RECL. / AFFILIATION: \_\_\_\_\_

RETURN TO CLIENT FOR DISPOSAL  LAB DISPOSAL  
 KNOWN HAZARD (FLAMMABLE, EXPLOSIVE, TOXIC)  
 YES  NO (IF YES EXPLAIN UNDER COMMENTS)  
**LAB USE** CONDITIONS OF BOTTLES AND COOLER AT RECEIPT:  
 COMPLIANT  NOT COMPLIANT (IF NOT EXPLAIN UNDER COMM)  
 COMMENTS \_\_\_\_\_





LRI QUOTE # \_\_\_\_\_

**CUSTOMER INFORMATION**

CUSTOMER: AGFA Division of Bayer  
 ADDRESS: 100 CHALLENGER ROAD  
RIDGEFIELD PARK, N.J. 07660  
MR. RICHARD ROCHA  
 TELEPHONE: 201-440-0111  
 FAX: 201-440-4376

**PROJECT INFORMATION**

PROJECT: FORMER PEERLESS PHOTO PRODUCTS  
 PROJECT LOCATION: SHOREHAM STATE: N.Y.  
 PROJECT MANAGER: JOE BASILIE  
 IN CASE WE HAVE ANY QUESTIONS WHEN SAMPLES ARRIVE WE SHOULD CALL:  
 NAME: JOE FLORENTINE  
 TELEPHONE: (516) 472-4000  
 FAX: (516) 472-4077

**BILLING INFORMATION**

BILL TO: AGFA Division of Bayer  
 ADDRESS: SAME AS CUSTOMER  
 ATTENTION: \_\_\_\_\_  
 TELEPHONE: \_\_\_\_\_  
 PO #: \_\_\_\_\_

LAB ID CODE	SAMPLE IDENTIFICATION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE		SAMPLE MATRIX	# OF BOTTLES	SAMPLING METHOD	ANALYSIS										PRE					
				COMPOSITE	GRAB				1	2	3	4	5	6	7	8	9	10	11	12	H2SO4	HCL		
37	SB-2-16D	9/5/96	12:45		X	Soil	1	X																
38	SB-2-17S	9/5/96	12:55		X	Soil	1	X																
39	SB-2-17D	9/5/96	1:00		X	Soil	1	X																
40	SB-2-18S	9/5/96	1:05		X	Soil	1	X																

TURNAROUND (INDICATE IN CALENDAR DAYS): \_\_\_\_\_ FAX 14 HARD COPY \_\_\_\_\_ DELIV. PKG. \_\_\_\_\_  
 NAME OF LAB PERSONNEL CONFIRMING: \_\_\_\_\_  
 DELIVERABLES / (CIRCLE ONE): DATA DATA/QC RED/DELIV NJ/CLP I NJ/CLP II  
 NJ/REGI NY/ASP CLP OTHER \_\_\_\_\_  
 SAMPLER / AFFILIATION: FLUOR DANIEL, GTE DATE: 9/6/96  
 RECEIVED / AFFILIATION: LRF TIME: 1:40  
 RELINQUISHED / AFFILIATION: \_\_\_\_\_ DATE: 9/6/96  
 RECEIVED / AFFILIATION: \_\_\_\_\_ TIME: 14:45  
 RELINQUISHED / AFFILIATION: \_\_\_\_\_ DATE: \_\_\_\_\_  
 RECEIVED / AFFILIATION: \_\_\_\_\_ TIME: \_\_\_\_\_

RETURN TO CLIENT FOR DISPOSAL  LAB DISPOSAL  
 KNOWN HAZARD (FLAMMABLE, EXPLOSIVE, TOXIC)  
 YES  NO (IF YES EXPLAIN UNDER COMMENT)  
**LAB USE** CONDITIONS OF BOTTLES AND COOLER AT RECEIPT:  
 COMPLIANT  NOT COMPLIANT (IF NOT EXPLAIN UNDER COMMENT)  
 COMMENTS \_\_\_\_\_

SAMPLE LOG-IN SHEET

Lab Name: LABORATORY RESOURCE INC Page 1 of 2

Received by (Print Name): IC-DAGGUMAD Log-in Date: 9/6/96

Received by (Signature): IC-DAGGUMAD

Case Number: _____ SDG Number: _____ SAS Number: _____	CORRESPONDING			REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
	NYSDEC SAMPLE	SAMPLE TAG	ASSIGNED LAB	
REMARKS:	SB-2-1C		T60908-1	<u>Crack</u>
1. Custody Seal(s) Present/Absent* <input checked="" type="checkbox"/>	SB-2-1D		-2	
Intact/Broken	SB-2-2S		-3	
2. Custody Seal Numbers: _____	SB-2-2D		-4	
	SB-2-3S		-5	
3. Chain-of-Custody Records Present/Absent* <input checked="" type="checkbox"/>	SB-2-3D		-6	
	SB-2-4S		-7	
4. Contract Lab Sample Inform. Sheet (CL SIS) Present/Absent* <input checked="" type="checkbox"/>	SB-2-4D		-8	
	SB-2-5S		-9	
	SB-2-5S DUP		-10	
5. Airbill Airbill/Sticker Present/Absent* <input checked="" type="checkbox"/>	SB-2-5D		-11	
	SB-2-6S		-12	
6. Airbill No.: _____	SB-2-6D		-13	
	SB-2-7S		-14	
7. Sample Tags Present/Absent* <input checked="" type="checkbox"/>	SB-2-7D		-15	
Sample Tag Nos. Listed/Not Listed on Chain-of-Custody	SB-2-8S		-16	
	SB-2-8D		-17	
8. Sample Condition Intact/Broken* <input checked="" type="checkbox"/>	SB-2-9S		-18	
Leaking	SB-2-9D		-19	
9. Does information on custody rec., CL SIS, & sample tags agree Yes/No* <input checked="" type="checkbox"/>	RINSATE BLK: SPOON		-20	
	RINSATE BLK: AUGER		-21	
	FIELD BLANK		-22	
10. Date received at Lab: <u>9/6/96</u>	SB-2-10S		-23	
	SB-2-10D		-24	
11. Time Received: <u>14:45</u>	SB-2-10D DUP		-25	
	SB-2-11S		-26	
	SB-2-11D		-27	
Sample Transfer	SB-2-12S		-28	
Fraction: _____	SB-2-12D		-29	
Area #: _____	SB-2-13S		-30	
By: _____	SB-2-13D		-31	
On: _____	SB-2-14S		-32	
	SB-2-14D		-33	<u>Job</u>

\* Contact BTR and attach record of resolution

Reviewed By: \_\_\_\_\_

Logbook No.: \_\_\_\_\_

Date: \_\_\_\_\_

Logbook Page No.: \_\_\_\_\_

SAMPLE LOG-IN SHEET

Lab Name: LABORATORY RESOURCES INC Page 2 of 2

Received by (Print Name): K. DAGGUMATI Log-in Date: 9/6/96

Received by (Signature): [Signature]

Case Number: _____ SDG Number: _____ SAS Number: _____	CORRESPONDING			REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
	NYSDEC SAMPLE	SAMPLE TAG	ASSIGNED LAB	
REMARKS:	EB-2-155		T609080-34	Good
1. Custody Seal(s) Present/Absent Intact/Broken	SB-2-157D		-35	} <u>8/9/96</u>
2. Custody Seal Numbers:	SB-2-165		-36	
3. Chain-of-Custody Records	SB-2-160		-37	
4. Contract Lab Sample Inform. Sheet (CL SIS)	SB-2-175		-38	
5. Airbill	SB-2-170		-39	
6. Airbill No.:	SB-2-185		-AD	
7. Sample Tags Sample Tag Nos.				
8. Sample Condition Chain-of-Custody Intact/Broken? Leaking				
9. Does information on custody rec., CL SIS, & sample tags agree				
10. Date received at Lab:				
11. Time Received:				
Sample Transfer				
Fraction: _____				
Area #: _____				
By: _____				
On: _____				

\* Contact BTSP and attach record of resolution

Reviewed By: \_\_\_\_\_

Logbook No.: \_\_\_\_\_

Date: \_\_\_\_\_

Logbook Page No.: \_\_\_\_\_

FORM DC-1

# SAMPLE RECEIPT LOG

BOOK N° \_\_\_\_\_  
PAGE N° \_\_\_\_\_

LRI Job N° T609080 Client Name AGFA  
Date Received 9/6/96 Project Former penless  
Sample Custodian [Signature] LRI Project Manager DAN

Method of shipment:  LRI Courier  Client Courier  FedEx  Other: \_\_\_\_\_  
If an airbill is included with shipment check here  and attach airbill to chain of custody form

EXAMINE THE SAMPLE SHIPMENT FOR THE CONDITIONS LISTED BELOW AND CHECK THE APPROPRIATE BOXES.

- | YES                                 | NO                                  |  |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | COOLER RECEIVED WITH CUSTODY SEALS INTACT  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | CHAIN OF CUSTODY (COC) FORMS ARE INCLUDED WITH SHIPMENT  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | COC FORMS ARE PROPERLY SIGNED AND DATED BY CLIENT  |
| <input type="checkbox"/>            | <input type="checkbox"/>            | COOLER TEMPERATURE IS 6 °C OR LOWER  |
|                                     |                                     | SAMPLES RECEIVED WITH <input checked="" type="checkbox"/> ICE <input checked="" type="checkbox"/> ICE PACKS <input type="checkbox"/> NEITHER |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | INFORMATION ON THE COC FORMS MATCHES ACTUAL SAMPLES  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | NO HOLDING TIMES WERE EXCEEDED AT TIME OF SAMPLE RECEIPT   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | SAMPLES ARE PROPERLY LABELLED WITH SAMPLE IDENTIFICATION AND PRESERVATIVE  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | SAMPLES RECEIVED INTACT (NOT BROKEN, LEAKING, ETC.)  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | VOA VIALS CONTAIN NO HEADSPACE   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | SAMPLE VOLUMES ARE SUFFICIENT FOR ANALYSES TO BE PERFORMED   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | SAMPLE CONTAINERS AND PRESERVATIVES ARE CORRECT FOR ANALYSES TO BE PERFORMED   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | THE pH FOR ACID PRESERVED SAMPLES IS LESS THAN 2   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | THE pH FOR CAUSTIC (BASE) PRESERVED SAMPLES IS GREATER THAN 12   |

TEMPERATURE 5°C

IF THE RESPONSE TO ONE OR MORE OF THE ABOVE CONDITIONS IS NO, COMPLETE THE FOLLOWING SECTION AND SUBMIT A COPY OF THIS PAGE TO THE LRI PROJECT MANAGER LISTED ABOVE FOR CORRECTIVE ACTION. SAMPLES RECEIVED WITH ANY OF THE ABOVE VARIANCES CANNOT BE LOGGED IN WITHOUT CLIENT APPROVAL.

The following samples were received but not listed on the COC form: \_\_\_\_\_  
The following samples listed on the COC form were not received: \_\_\_\_\_  
The following information on COC form does not match samples: \_\_\_\_\_

Holding times are exceeded for the following analyses: \_\_\_\_\_  
The following samples were not received intact: \_\_\_\_\_  
VOA vials for the following samples have headspace: \_\_\_\_\_  
Insufficient sample volume was received for the following analyses/samples: \_\_\_\_\_

The containers received are inappropriate for the following analyses: \_\_\_\_\_  
The preservation is incorrect for the following analyses/samples: \_\_\_\_\_  
Other comments: \_\_\_\_\_

Supervisor Review: [Signature] 9/6/96 Project Manager Review: [Signature] 9/9  
Initial/Date Initial/Date

Client notified  in writing  by telephone  by fax  other (explain) \_\_\_\_\_  
by \_\_\_\_\_  
Name/Date

Corrective Action: \_\_\_\_\_

Place copy with completed corrective action in work order folder.

000297

CLIENT: AGFA Division of Bayer  
Project: Former Peerless Photo Products  
Job # T609080

update 09-6-96

Date received: 09-06-96

**INORGANICS Metals (Ag, Cd) FOR NYASP DATA PACKAGE With LIMS Disk.**

LAB ID #	Matrix	CLIENT ID #	to be used on forms
T609080-01	soil	SB-2-1S	B-2-1S
T609080-02	soil	SB-2-1D	B-2-1D
T609080-03	soil	SB-2-2S	B-2-2S
T609080-04	soil	SB-2-2D	B-2-2D
T609080-05	soil	SB-2-3S	B-2-3S
T609080-06	soil	SB-2-3D	B-2-3D
T609080-07	soil	SB-2-4S	B-2-4S
T609080-08	soil	SB-2-4D	B-2-4D
T609080-09	soil	SB-2-5S	B-2-5S
T609080-10	soil	SB-2-5SDUP	2-5SDUP
T609080-11	soil	SB-2-5D	B-2-5D
T609080-12	soil	SB-2-6S	B-2-6S
T609080-13	soil	SB-2-6D	B-2-6D
T609080-14	soil	SB-2-7S	B-2-7S
T609080-15	soil	SB-2-7D	B-2-7D
T609080-16	soil	SB-2-8S	B-2-8S
T609080-17	soil	SB-2-8D	B-2-8D
T609080-18	soil	SB-2-9S	B-2-9S
T609080-19	soil	SB-2-9D	B-2-9D
T609080-20	water	Rinsate Blk:Spoon	RBLK-S

2103

CASE #: 9080A

SDG #: 908001

PLEASE SUBMIT ALL RAW DATA AND ALSO ALL OTHER LAB PAPER WORK SUCH AS RUN LOG, INTERNAL C-O-C, EXTRACTION LOG, ETC.....

MS/DUP FOR INORGANICS IN EVERY 20 SAMPLES OR WITHIN 7 DAYS FOR EACH SDG IS REQUIRED PER EACH MATRIX.

**MS/DUP must be analyzed on one sample from this work order for Metals.**

CLIENT: AGFA Division of Bayer  
Project: Former Peerless Photo Products  
Job # T609080

update 09-6-96

Date received: 09-06-96

**INORGANICS Metals (Ag, Cd) FOR NYASP DATA PACKAGE With LIMS Disk.**

LAB ID #	Matrix	CLIENT ID #	to be used on forms
T609080-21	water	Rinsate Blk:Auger	RBLK-A
T609080-22	water	Field Blank	F-BLK
T609080-23	soil	SB-2-10S	B-2-10S
T609080-24	soil	SB-2-10D	B-2-10D
T609080-25	soil	SB-2-10DDUP	10DDUP
T609080-26	soil	SB-2-11S	B-2-11S
T609080-27	soil	SB-2-11D	B-2-11D
T609080-28	soil	SB-2-12S	B-2-12S
T609080-29	soil	SB-2-12D	B-2-12D
T609080-30	soil	SB-2-13S	B-2-13S
T609080-31	soil	SB-2-13D	B-2-13D
T609080-32	soil	SB-2-14S	B-2-14S
T609080-33	soil	SB-2-14D	B-2-14D
T609080-34	soil	SB-2-15S	B-2-15S
T609080-35	soil	SB-2-15D	B-2-15D
T609080-36	soil	SB-2-16S	B-2-16S
T609080-37	soil	SB-2-16D	B-2-16D
T609080-38	soil	SB-2-17S	B-2-17S
T609080-39	soil	SB-2-17D	B-2-17D
T609080-40	soil	SB-2-18S	B-2-18S

2104

CASE #: 9080A

SDG #: 908001

PLEASE SUBMIT ALL RAW DATA AND ALSO ALL OTHER LAB PAPER WORK SUCH AS RUN LOG, INTERNAL C-O-C, EXTRACTION LOG, ETC.....

MS/DUP FOR INORGANICS IN EVERY 20 SAMPLES OR WITHIN 7 DAYS FOR EACH SDG IS REQUIRED PER EACH MATRIX.

**MS/DUP must be analyzed on one sample from this work order for Metals.**

INTERNAL CHAIN OF CUSTODY

INSTRUCTIONS: Use 1 form for each 20 samples or aliquot.

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample	Laboratory: Laboratory Resources Name: Krishna Daggumati	Location: Teterboro Title: Sample Management Supervisor
Field Sample Seal No:	Date Broken <u>9/6/96</u>	Military Time Seal Broken:
Case No:	Analytical Parameter/Fraction	

SAMPLE NO.	ALIQOT/EXTRACT NO.	SAMPLE NO.	ALIQOT/EXTRACT NO.
7609080-1		7609080-11	
↓		↓	
1-2		1-12	
1-3		1-13	
1-4		1-14	
1-5		1-15	
1-6		1-16	
1-7		1-17	
1-8		1-18	
1-9		1-19	
1-10		1-20	

Date	Time	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
9/7		PRINTED NAME <u>J. VERGARA</u> SIGNATURE <u>[Signature]</u>	PRINTED NAME <u>JOSE SILVA</u> SIGNATURE <u>JS</u>	to monitor 1 → 2
9/7		PRINTED NAME <u>JOSE SILVA</u> SIGNATURE <u>JS</u>	PRINTED NAME <u>J. VERGARA</u> SIGNATURE <u>[Signature]</u>	ret.
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	





INTERNAL CHAIN OF CUSTODY

ASP 2103

INSTRUCTIONS: Use 1 form for each 20 samples or fraction.

Laboratory Person Breaking Field	Laboratory/Laboratory Resources	Location: Tereroro
Section Sample Shunt & Accepting	Name: Krishna Daggumati	Title: Sample Management Supervisor
Responsibility for Sample		
Field Sample Sect No:	Core Broken: <u>    </u> / <u>    </u> / <u>    </u>	Military Time Sect Broken:
Core No:	Analytical Parameter/Fraction	

SAMPLE NO.	ALQUOT/EXTRACT NO.	SAMPLE NO.	ALQUOT/EXTRACT NO.
609080-1		609080-11	
609080-2		609080-12	
609080-3		609080-13	
609080-4		609080-14	
609080-5		609080-15	
609080-6		609080-16	
609080-7		609080-17	
609080-8		609080-18	
609080-9		609080-19	
609080-10		609080-27	

Date	Time	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
7/10/98	5pm	PRINTED NAME: SUGUNA SIGNATURE: <i>KS</i>	PRINTED NAME: Michael Blidari SIGNATURE: <i>Michael Blidari</i>	ICP Analysis
		PRINTED NAME	PRINTED NAME	
		SIGNATURE	SIGNATURE	
		PRINTED NAME	PRINTED NAME	
		SIGNATURE	SIGNATURE	
		PRINTED NAME	PRINTED NAME	
		SIGNATURE	SIGNATURE	
		PRINTED NAME	PRINTED NAME	
		SIGNATURE	SIGNATURE	
		PRINTED NAME	PRINTED NAME	
		SIGNATURE	SIGNATURE	



Batch Matrix: AL

# Metals Batch Sheet # 2103

9/10/96

11:50:00 AM

Order	Client	Matrix	Rec.	Due	FAX	Option	Deliv.	ICP	Furnace	CV	QC
T609080-1	AGFA	S	9/6/96	09/20	87.7		ASP	Ag, Cd			DUP MS
T609080-2	"	S	9/6/96	09/20	90.7		"	"			
T609080-3	"	S	9/6/96	09/20	96.5		"	"			
T609080-4	"	S	9/6/96	09/20	88.2		"	"			
T609080-5	"	S	9/6/96	09/20	91.6		"	"			
T609080-6	"	S	9/6/96	09/20	85.4		"	"			
T609080-7	"	S	9/6/96	09/20	91.1		"	"			
T609080-8	"	S	9/6/96	09/20	87.5		"	"			
T609080-9	"	S	9/6/96	09/20	91.5		"	"			
T609080-10	"	S	9/6/96	09/20	92.2		"	"			
T609080-11	"	S	9/6/96	09/20	89.8		"	"			
T609080-12	"	S	9/6/96	09/20	85.3		"	"			
T609080-13	"	S	9/6/96	09/20	74.3		"	"			
T609080-14	"	S	9/6/96	09/20	91.0		"	"			
T609080-15	"	S	9/6/96	09/20	88.3		"	"			
T609080-16	"	S	9/6/96	09/20	94.9		"	"			
T609080-17	"	S	9/6/96	09/20	93.4		"	"			
T609080-18	"	S	9/6/96	09/20	89.4		"	"			
T609080-19	"	S	9/6/96	09/20	89.1		"	"			
T609080-27	"	S	9/6/96	09/20	91.1		"	"			

T609080

T609080 -

- 1 - ASPMETT - AG/CD
- 2 - ASPMETT - AG/CD
- 3 - ASPMETT - AG/CD
- 4 - ASPMETT - AG/CD
- 5 - ASPMETT - AG/CD
- 6 - ASPMETT - AG/CD
- 7 - ASPMETT - AG/CD
- 8 - ASPMETT - AG/CD
- 9 - ASPMETT - AG/CD

9/10/96 85

- 31 - ASPMETT - AG/CD
- 32 - ASPMETT - AG/CD
- 33 - ASPMETT - AG/CD
- 34 - ASPMETT - AG/CD
- 35 - ASPMETT - AG/CD
- 36 - ASPMETT - AG/CD
- 37 - ASPMETT - AG/CD
- 38 - ASPMETT - AG/CD
- 39 - ASPMETT - AG/CD
- 40 - ASPMETT - AG/CD

000305

ICP Batch: 15730	Furnace Batch:	CV Batch: 15724	Prep Batch: 15731
------------------	----------------	-----------------	-------------------

Batch Matrix: AL

# Metals Batch Sheet # 2104

9/10/96

11:47:52 AM

Order	Client	Matrix	Rec.	Due	FAX	Option	Deliv.	ICP	Furnace	CV	QC
T609080-20	AGFA	FB	9/6/96	09/20			ASP	Ag, Cd			
T609080-21	"	FB	9/6/96	09/20			"	"			
T609080-22	"	FB	9/6/96	09/20			"	"			
T609080-23	"	S	9/6/96	09/20	92.9		"	"			DUP MS
T609080-24	"	S	9/6/96	09/20	89.7		"	"			
T609080-25	"	S	9/6/96	09/20	88.5		"	"			
T609080-26	"	S	9/6/96	09/20	94.9		"	"			
T609080-28	"	S	9/6/96	09/20	91.9		"	"			
T609080-29	"	S	9/6/96	09/20	92.9		"	"			
T609080-30	"	S	9/6/96	09/20	43.6		"	"			
T609080-31	"	S	9/6/96	09/20	91.3		"	"			
T609080-32	"	S	9/6/96	09/20	94.3		"	"			
T609080-33	"	S	9/6/96	09/20	89.9		"	"			
T609080-34	"	S	9/6/96	09/20	92.9		"	"			
T609080-35	"	S	9/6/96	09/20	90.8		"	"			
T609080-36	"	S	9/6/96	09/20	95.7		"	"			
T609080-37	"	S	9/6/96	09/20	90.4		"	"			
T609080-38	"	S	9/6/96	09/20	93.2		"	"			
T609080-39	"	S	9/6/96	09/20	90.5		"	"			
T609080-40	"	S	9/6/96	09/20	79.7		"	"			

- T609080 -
- 20 - ASPMETT - AG/CD
- 21 - ASPMETT - AG/CD
- 22 - ASPMETT - AG/CD
- 23 - ASPMETT - AG/CD
- 24 - ASPMETT - AG/CD
- 25 - ASPMETT - AG/CD
- 26 - ASPMETT - AG/CD
- 28 - ASPMETT - AG/CD
- 29 - ASPMETT - AG/CD

9/11/96 85

- 11 - ASPMETT - AG/CD
- 12 - ASPMETT - AG/CD
- 13 - ASPMETT - AG/CD
- 14 - ASPMETT - AG/CD
- 15 - ASPMETT - AG/CD
- 16 - ASPMETT - AG/CD
- 17 - ASPMETT - AG/CD
- 18 - ASPMETT - AG/CD
- 19 - ASPMETT - AG/CD
- 27 - ASPMETT - AG/CD

200307

ICP Batch: 15728	Furnace Batch:	CV Batch:	Prep Batch: 15729
------------------	----------------	-----------	-------------------

Laboratory Instrumentation Identification Form

	Instrument Identification	Method	IDL Date	IEC Date	Lin. Date
1	TJA61	P	10/01/91	10/01/91	10/01/91
2	PE5100#1	F	10/01/95	10/01/91	10/01/91
3	PE5100#2	F	08/06/96	10/01/91	10/01/91
4	TJA61E	P	06/24/96	04/11/95	06/25/96
5	TJA1000	CV	07/31/96	10/01/91	10/01/91
6	TRAACS	C	07/11/96		
7	PE5100#3	F	07/31/96		
8	PE5100#4	F	01/05/95		
9	TRACE	P	07/13/96	03/27/96	08/21/96
0	MEAN LCS TRACE	P	07/19/95		
1	TRACE/REG	P	09/30/95	03/27/96	03/27/96
2	PE/REG	F	07/27/95		
3	TJA1000/REG	CV	06/16/95		
4	PEAS90	CV	08/14/96		08/14/96
5					
6					
7					
8					
9					
0					
1					
2					
3					
4					
5					
6					

Detection Limit Summary Data for Instrument : 9

Element	07/13/96 1	07/23/96 2	07/31/96 3	07/13/96 Detection Limit
Aluminum	7.27	8.61	8.91	24.8
Antimony	2.43	1.83	2.22	6.5
Arsenic	1.73	1.95	1.45	5.1
Barium	0.09	0.15	0.11	0.4
Beryllium	0.05	0.04	0.15	0.2
Cadmium	0.22	0.25	0.29	0.8
Calcium	1.79	4.63	1.61	8.0
Chromium	0.23	2.82	0.64	3.7
Cobalt	0.34	0.54	0.15	1.0
Copper	0.19	0.22	0.58	1.0
Iron	4.47	12.90	6.85	24.2
Lead	0.50	0.66	0.58	1.7
Magnesium	1.06	3.29	1.16	5.5
Manganese	0.04	0.29	0.16	0.5
Mercury				
Nickel	0.67	1.13	1.23	3.0
Potassium	14.88	29.47	37.44	81.8
Selenium	1.18	1.15	0.74	3.1
Silver	0.16	0.30	0.21	0.7
Sodium	22.19	58.30	92.01	172.5
Thallium	2.36	2.27	1.81	6.4
Thorium	0.25	0.41	0.27	0.9
Zinc	0.40	0.55	0.46	1.4
Cyanide				
Boron	12.79	15.69	34.83	63.3
Molybdenum	0.55	0.98	0.68	2.2
Silicon	10.94	18.11	10.31	39.4
Titanium	0.08	0.23	0.31	0.6
Zin	1.18	2.12	2.52	5.8



Laboratory Instrumentation Elemental Information Form

Instrument Identification TRACE

Element	Instrument		Detection Limit	Integration		Bkg
	Symbol	Wavelength		Time	Linearity	
Aluminum	Al	308.200	24.8	15.00	500000	
Antimony	Sb	206.800	6.5	15.00	50000	
Arsenic	As	189.000	5.1	15.00	10000	
Barium	Ba	234.600	0.4	15.00	100000	
Beryllium	Be	313.000	0.2	15.00	10000	
Cadmium	Cd	226.500	0.8	15.00	20000	
Calcium	Ca	317.900	8.0	15.00	500000	
Chromium	Cr	267.700	3.7	15.00	50000	
Cobalt	Co	228.600	1.0	15.00	50000	
Copper	Cu	324.700	1.0	15.00	50000	
Iron	Fe	271.400	24.2	15.00	500000	
Lead	Pb	220.300	1.7	15.00	10000	
Magnesium	Mg	279.000	5.5	15.00	500000	
Manganese	Mn	257.600	0.5	15.00	20000	
Mercury						
Nickel	Ni	231.600	3.0	15.00	50000	
Potassium	K	766.400	81.8	15.00	100000	
Selenium	Se	196.000	3.1	15.00	10000	
Silver	Ag	328.000	0.7	15.00	5000	
Sodium	Na	330.200	172.5	15.00	400000	
Thallium	Tl	190.800	6.4	15.00	20000	
Titanium	V	292.400	0.9	15.00	20000	
Zinc	Zn	206.200	1.4	15.00	20000	
Cyanide						
Boron	B	249.600	63.3	15.00	100000	
Molybdenum	Mo	202.000	2.2	15.00	20000	
Silicon	Si	288.100	39.4	15.00	50000	
Titanium	Ti	337.200	0.6	15.00	50000	
Stannum	Sn	189.900	5.8	15.00	50000	

Laboratory Instrumentation Elemental Information Form

Instrument Identification PE5100#2

Element	Instrument Symbol	Wavelength	Integration		Bkg
			Detection Limit	Time Linearity	
Aluminum					
Antimony	Sb	217.600		100	2
Arsenic	As	193.700	2.2	100	2
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead	Pb	283.300	1.0	100	2
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium	Se	196.000	1.4	100	2
Silver					
Thallium	Tl	276.800	1.4	100	2
Titanium					
Zinc					
Zirconium					
Vanadium					
Yttrium					
Zinc					

Laboratory Instrumentation Elemental Information Form

Instrument Identification PE5100#3

Element	Instrument		Integration			Bkg
	Symbol	Wavelength	Detection Limit	Time	Linearity	
Aluminum						
Antimony	Sb	217.600			100	2
Arsenic	As	193.700	2.1		100	2
Barium						
Beryllium						
Cadmium	Cd	228.800	0.1		10	2
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	Pb	283.300	0.6		100	2
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium	Se	196.000	1.7		100	2
Silver						
Sodium						
Thallium	Tl	276.800	1.1		100	2
Titanium						
Zinc						
Cyanide						
Boron						
Molybdenum						
Silicon						
Titanium						
Zinc						

Laboratory Instrumentation Elemental Information Form

Instrument Identification PEAS90

Element	Instrument		Integration			Bkg
	Symbol	Wavelength	Detection Limit	Time	Linearity	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Mercury	Hg	253.700	0.048		10	1
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Radium						
Zinc						
Cyanide						
Boron						
Molybdenum						
Silicon						
Titanium						
Tin						

Detection Limit Summary Data for Instrument : 14

Element	08/14/96 1	08/16/96 2	08/20/96 3	08/14/96 Detection Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Mercury	0.02	0.01	0.02	0.048
Nickel				
Potassium				
Selenium				<i>myr</i>
Silver				
Sodium				
Thallium				
Radium				
Uranic				
Cyanide				
Boron				
Molybdenum				
Silicon				
Titanium				
Tin				

Laboratory Instrumentation Elemental Information Form

Instrument Identification TJA1000

Element	Instrument		Integration			
	Symbol	Wavelength	Detection Limit	Time	Linearity	Bkg
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Mercury	Hg	253.700	0.1		10	1
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Titanium						
Zinc						
Cyanide						
Boron						
Molybdenum						
Silicon						
Titanium						
Vanadium						

Detection Limit Summary Data for Instrument : 5

Dates :	07/31/96	08/06/96	08/08/96	07/31/96
Element	1	2	3	Detection Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Mercury	0.03	0.02	0.03	0.1
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Tellurium				
Zinc				
Cyanide				
Boron				
Molybdenum				
Silicon				
Titanium				
Tin				

Detection Limit Summary Data for Instrument : 6

Element	07/11/96	07/30/96	08/03/96	07/11/96
As				Detection Limit
Antimony				
Barium				
Bismuth				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Magnesium				
Manganese				
Mercury				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Tin	1.87	0.54	1.24	3.7
Cyanide				
Zinc				
Molybdenum				
Silicon				
Titanium				
Vanadium				



Laboratory Instrumentation Elemental Information Form

Element Identification TRAACS

Element	Instrument Symbol	Wavelength	Integration		Bkg
			Detection Limit	Time Linearity	
Aluminum					
Antimony					
Barium					
Bismuth					
Boron					
Calcium					
Cadmium					
Chromium					
Copper					
Cobalt					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Strontium					
Tantalum					
Tellurium					
Vanadium					
Zinc	CN	578.000	3.65	500	1
Cyanide					
Bron					
Tungsten					
Silicon					
Titanium					
Van					