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HERITAGE ENVIRONMENTAL SERVICES ■ HERITAGE TREATMENT CENTERS ■ HERITAGE REMEDIATION ENGINEERING ■ HERITAGE TRANSPORT

ILD 085349264

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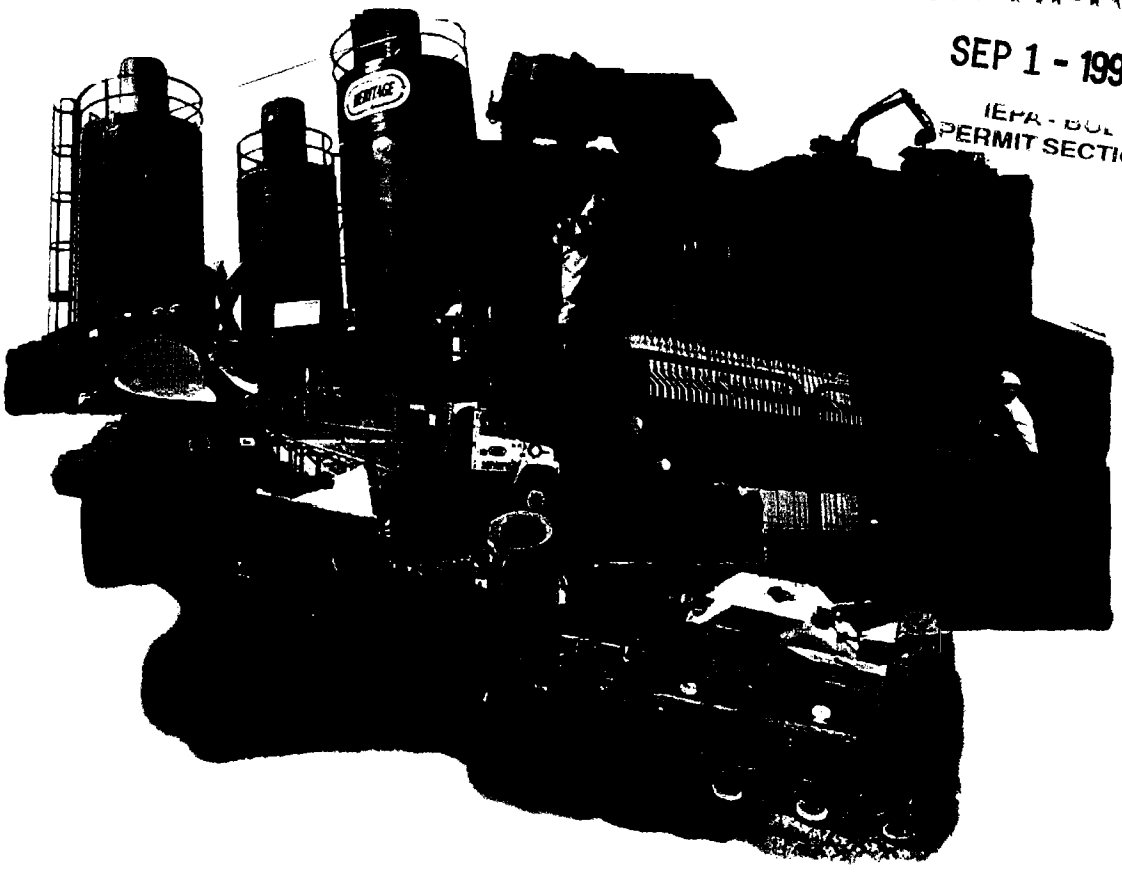

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VOLUME 2 - APPENDIX H
PART 1

RCRA FACILITY INVESTIGATION
PHASE I - REPORT

0311620007 -- Cook County
Heritage Environmental Services, Inc.
ILD 085349264

Heritage Treatment Center
Lemont, Illinois

HERITAGE REMEDIATION / ENGINEERING, INC.

HERITAGE ENVIRONMENTAL SERVICES ■ HERITAGE LABORATORIES

HERITAGE LABORATORIES, INC.

1319 Marquette Dr.
Romeoville, IL 60441
Phone: 708/378-1600
FAX: 708/378-2200

HERITAGE
REPORT PACKAGE LEVEL IV
JOB NUMBER 6702

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August 19 1994

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HERITAGE LABORATORIES, INC.

1319 Marquette Dr.
Romeoville, IL 60441
Phone: 708/378-1600
FAX: 708/378-2200

REPORT PACKAGE INDEX

HERITAGE LABORATORIES, INC.
ROMEOVILLE, ILLINOIS

Sample Number(s): C156680-89,C156710-719,C16765-69,C156812-16,C156876-80
C156881-882

Project: JOB NO. 6702

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HERITAGE LABORATORIES, INC.

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HERITAGE LABORATORIES, INC.

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HERITAGE LABORATORIES, INC.

1319 MARQUETTE DRIVE • ROMEOVILLE, IL 60441
(708) 378-1600

NO. 5057

000001

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Co. Name: HR/E Job No. 6702

Project Name: HES RCRA Facility Investigation

Quote No.: Z118436 PO No.: 4860-02328

ENVIRONMENTAL PROGRAM:

CWA NPDES____ IWP____ SLUDGE____

RCRA MW____ SW X DISPOSAL____

SDWA____ CERCLA/SUPERFUND____ OTHER RFI

Sampled by: Kevin J Reinhard

Analyses Requested: (Note special detection limits or methods)

Report To:
Co: HTC
Add: Invoice HTC Attn: Bob Garcia
Attn:
Phone:

Accelerated Turnaround Requested ____
(Subject to Additional Charge)

Result Request by: ___ / ___ / ___
Mo Day Yr
(Date must be Accepted and Approved by Lab.)

Sample ID:	Date:	Time:	Comp	Grab	Sample Description:	Sample Type (Matrix): DW, GW, WW, Soil, Oil, Sludge, Other	No. of Containers	Volatiles	Semi-volatiles	Remarks:	EMS Sample No.
	5/16/94	1250		X	SB-1	S	2	X	X	Background 4"-15"	C156680
		1325		X	SB-2	S	2	X	X	2"-8"	C156681
		1355		X	SB-3	S	2	X	X	2"-14"	C156682
		1445		X	SB-4	S	2	X	X	0-6"	C156683
		1520		X	SB-5	S	2	X	X	0-6"	C156684
		1540		X	SB-6	S	2	X	X	0-5"	C156685
		1555		X	SB-7	S	2	X	X	0-6"	C156686
		1555		X	SB-7D	S	2	X	X	0-6"	C156687
		1615		X	SB-8	S	2	X	X	0-6"	C156688
		1630		X	SB-9	S	2	X	X	0-5"	C156689

Relinquished by: (Signature)	Date /Time	Received by: (Signature)	Relinquished by: (Signature)	Date /Time	Received by: (Signature)
Kevin J Reinhard	5/16/94 / 1735			/	
Relinquished by: (Signature)	Date /Time	Received by: (Signature)	Relinquished by: (Signature)	Date /Time	Received by: (Signature)
	/			/	
Relinquished by: (Signature)	Date /Time	Received for Lab by: (Signature)	Remarks:		
	/	[signature]			

stribution: Original and Yellow copy accompany sample shipment to laboratory; Pink copy retained by client.

HERITAGE LABORATORIES, INC.

1319 MARQUETTE DRIVE • ROMEOVILLE, IL 60441
(708) 378-1600

NO. 5058

00003

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Co. Name: HRE Job No. 6702

Project Name: HES RCRA Facility Investigation

Quote No.: Z11 843 631 PO No.: 4860-02328

ENVIRONMENTAL PROGRAM:

CWA NPDES_____ IWP_____ SLUDGE_____

RCRA MW_____ SW X DISPOSAL_____

SDWA_____ CERCLA/SUPERFUND_____ OTHER RFI

Sampled by: Ken J Rea

Analyses Requested: (Note special detection limits or methods)

Report To:
Co: HTC
Add: Invoice HTC Attn: Bob Gucio

Attn:
Phone:

Accelerated Turnaround Requested _____
(Subject to Additional Charge)

Result Request by: ___/___/___
Mo Day Yr
(Date must be Accepted and Approved by Lab.)

Sample ID:	Date:	Time:	Comp	Grab	Sample Description:	Sample Type (Matrix): DW, GW, WW, Soil, Oil, Sludge, Other	No. of Containers	Volatiles	Semi-volatiles	TCLP Metals								Remarks:	EMS Sample No.
	5/17/94	820		X	SB-10	S	2	X	X									Background 0-5"	C156710
		930		X	SB-11	S	3	X	X	X								old aerosol unit 0.25'-0.55'	C156711
		1015		X	SB-12	S	3	X	X	X								old aerosol unit 0.4'-0.5'	C156712
		1105		X	SB-13	S	3	X	X	X								Purge cleaning area 0-4"	C156713
		1140		X	SB-14	S	3	X	X	X								[illegible] 0.35'-[illegible]	[illegible]
		1310		X	SB-15	S	3	X	X	X								" " " 0.6'-1.1'	C156715
		1335		X	SB-16	S	3	X	X	X								" " " 0.4'-1.0'	C156716
		1420		X	SB-17	S	3	X	X	X								" " " 0.4'-1.1'	C156717
		1445		X	SB-18	S	3	X	X	X								" " " 0.35'-0.8'	C156718
		1510		X	SB-19	S	3	X	X	X								" " " 0.32'-0.7'	C156719

Relinquished by: (Signature)	Date /Time	Received by: (Signature)	Relinquished by: (Signature)	Date /Time	Received by: (Signature)
Ken J Rea	5/17/94 1640			/	
Relinquished by: (Signature)	Date /Time	Received by: (Signature)	Relinquished by: (Signature)	Date /Time	Received by: (Signature)
	/			/	
Relinquished by: (Signature)	Date /Time	Received for Lab by: (Signature)	Remarks:		
	5/17/94	Kathy Young			

Distribution: Original and Yellow copy accompany sample shipment to laboratory; Pink copy retained by client.

HERITAGE LABORATORIES, INC.

1319 MARQUETTE DRIVE • ROMEOVILLE, IL 60441
(708) 378-1600

NO. 4969

00000

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Co. Name: HR/E Job No. 6702

Project Name: HES RCRA Facility Investigation

Quote No.: Z118436 PO No.: 4860-02328

ENVIRONMENTAL PROGRAM:

CWA NPDES_____ IWP_____ SLUDGE_____

RCRA MW_____ SW X DISPOSAL_____

SDWA_____ CERCLA/SUPERFUND_____ OTHER RFI

Sampled by: Kevin Crandell

Analyses Requested: (Note special detection limits or methods)

Report To:
Co: HTC
Add: Invoice HTC
Attn. Bob Garcia

Attn:
Phone:

Accelerated Turnaround Requested _____
(Subject to Additional Charge)

Result Request by: ___/___/___ (Mo Day Yr)
(Date must be Accepted and Approved by Lab.)

Sample ID:	Date:	Time:	Comp	Grab	Sample Description:	Sample Type (Matrix): DW, GW, WW, Soil, Oil, Sludge, Other	No. of Containers	VOC	SVOC	TCLP Metals							Remarks:	EMS Sample No.
	5-18-94			X	SB-20 (see remarks)	Soil	~~3~~0										Outdoor Container Storage	~~C1567~~
	5-18-94	0905		X	SB-21	Soil	3	✓	✓	✓							" " " 0.9-1.1ft	C15676
	5-18-94	1100		X	SB-22	Soil	3	✓	✓	✓							" " " 1.0-1.1ft	C15674
	5-18-94	1150		X	SB-23	Soil	3	✓	✓	✓							" " " 0.85-0.93ft	C15674
	5-18-94	1220		X	SB-24	Soil	3	✓	✓	✓							" " " 0.85-0.91ft	C15674
	5-18-94	1225		X	SB-24 D	Soil	3	✓	✓	✓							" " " 0.85-0.91ft	C15674

Relinquished by: (Signature)	Date /Time	Received by: (Signature)	Relinquished by: (Signature)	Date /Time	Received by: (Signature)
Kevin Crandell	1805 / 5/18/94			/	
Relinquished by: (Signature)	Date /Time /	Received by: (Signature)	Relinquished by: (Signature)	Date /Time /	Received by: (Signature)
Relinquished by: (Signature)	Date /Time 5:00 5/19/94	Received for Lab by: (Signature) Kathy Young			

Remarks: Bedrock encountered below concrete pad @ SB-20, No sample could be collected.

Distribution: Original and Yellow copy accompany sample shipment to laboratory; Pink copy retained by client.

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1319 MARQUETTE DRIVE • ROMEOVILLE, IL 60441
(708) 378-1600

NO. 4970

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Co. Name: HRE Job No. 6702
Project Name: HES RCRA Facility Investigation
Quote No.: 7118436-37 PO No.: 4860-02328

ENVIRONMENTAL PROGRAM:
CWA NPDES_____ IWP_____ SLUDGE_____
RCRA MW_____ SW X DISPOSAL_____
SDWA_____ CERCLA/SUPERFUND_____ OTHER RFI

Sampled by: Ken Roberts

Analyses Requested: (Note special detection limits or methods)

Report To:
Co: HTC
Add: Invoice HTC Attn: Bob Garcia
Attn:
Phone:
Accelerated Turnaround Requested _____ (Subject to Additional Charge)
Result Request by: ___/___/___ Mo Day Yr (Date must be Accepted and Approved by Lab.)

Sample ID:	Date:	Time:	Comp	Grab	Sample Description:	Sample Type (Matrix): DW, GW, WW, Soil, Oil, Sludge, Other	No. of Containers	Volatiles	Semi-Volatiles	TCLP metals							Remarks:	EMS Sample No.
	5/19/94	1315		X	SD-1	S	3	X	X	X							Ditch	C156812
		1315		X	SD-1-D	S	3	X	X	X							Dupl.	C156813
		1315		X	SD-1-R	S	2	X	X								Matrix Spike / MS Dupl.	C156814
		1410		X	SD-2	S	3	X	X	X								C156815
		1510		X	SD-5	S	3	X	X	X								C156816

Relinquished by: (Signature)	Date /Time	Received by: (Signature)	Relinquished by: (Signature)	Date /Time	Received by: (Signature)
Ken Roberts	5/19/94 1615			/	
Relinquished by: (Signature)	Date /Time	Received by: (Signature)	Relinquished by: (Signature)	Date /Time	Received by: (Signature)
	/			/	
Relinquished by: (Signature)	Date /Time	Received for Lab by: (Signature)	Remarks:		
	5/19/94	Kathy Young			

Distribution: Original and Yellow copy accompany sample shipment to laboratory; *Pink copy retained by client.*

HERITAGE LABORATORIES, INC.

1319 MARQUETTE DRIVE • ROMEOVILLE, IL 60441
(708) 378-1600

NO. 5062

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Co. Name: HRE Job No. 6702
Project Name: HES RCRA Facility Investigation
Quote No.: ~~Z118436~~ Ky | PO No.: 4860-02328
ENVIRONMENTAL PROGRAM: Z121138
CWA NPDES_____ IWP_____ SLUDGE_____
RCRA MW_____ SW X DISPOSAL_____
SDWA_____ CERCLA/SUPERFUND_____ OTHER RFI
Sampled by: Kevin Crandell

Analyses Requested: (Note special detection limits or methods)

Report To:
Co: HTC
Add: Invoice HTC : Attn Bob Garcia
Attn:
Phone:
Accelerated Turnaround Requested _____ (Subject to Additional Charge)
Result Request by: ___/___/___ Mo Day Yr (Date must be Accepted and Approved by Lab.)

Sample ID:	Date:	Time:	Comp	Grab	Sample Description:	Sample Type (Matrix): DW, GW, WW, Soil, Oil, Sludge, Other	No. of Containers	VOC	SVOC	~~TCLP~~ METALS							Remarks:	EMS Sample No.
WW-1	5/20/94	1425		X	Drum Processing Area	WW	6	✓	✓	✓							Shallow	C156876
WW-2	5/20/94	1410		X	Drum Processing Area	WW	6	✓	✓	✓							Deep	C156877
	5/20/94	1030		X	Decon / Curing Water	WW	6	✓	✓	✓								C156878
GW-1	5/20/94	0950		X	@ SB-29 Groundwater	GW	3	✓	✓								@ 2.5 ft bgs	C156879
TB	5/20/94	1700		X	Trip Blank	other	1	✓									5-20-94	C156880

Relinquished by: (Signature)	Date /Time	Received by: (Signature)	Relinquished by: (Signature)	Date /Time	Received by: (Signature)
Kevin Crandell	5-23-94 / 0915			/	
Relinquished by: (Signature)	Date /Time	Received by: (Signature)	Relinquished by: (Signature)	Date /Time	Received by: (Signature)
	/			/	
Relinquished by: (Signature)	Date /Time	Received for Lab by: (Signature)	Remarks:		
	5/23/94	Kathy Young			

Distribution: Original and Yellow copy accompany sample shipment to laboratory; Pink copy retained by client.

HERITAGE LABORATORIES, INC.

1319 MARQUETTE DRIVE • ROMEOVILLE, IL 60441
(708) 378-1600

NO. 5064

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Co. Name: HR/E Job No. 6702
Project Name: HES RCRA Facility Investigation
Quote No.: ~~B118436Y~~ PO No.: 4860-02328

ENVIRONMENTAL PROGRAM: 2121138

CWA NPDES_____ IWP_____ SLUDGE_____

RCRA MW_____ SW X DISPOSAL_____

SDWA_____ CERCLA/SUPERFUND_____ OTHER RFI

Sampled by: Kevin Crandell

Analyses Requested: (Note special detection limits or methods)

Report To:
Co: HTC
Add: Invoice HTC: Bob GARCIA

Attn:
Phone:

Accelerated Turnaround Requested _____
(Subject to Additional Charge)

Result Request by: ___/___/___ Mo Day Yr
(Date must be Accepted and Approved by Lab.)

Sample ID:	Date:	Time:	Comp	Grab	Sample Description:	Sample Type (Matrix): DW, GW, WW, Soil, Oil, Sludge, Other	No. of Containers	VOC	SVOC	TAL METALS (KTC)								Remarks:	EMS Sample No
WW-3	5-20-94	1540		X	Container Storage / Processing	WW	6	✓	✓	✓								Deep	C156881
WW-4	5-20-94	1630		X	Container Storage / Processing	WW	6	✓	✓	✓								Shallow	C156882

Relinquished by: (Signature)	Date /Time	Received by: (Signature)	Relinquished by: (Signature)	Date /Time	Received by: (Signature)
Kevin Crandell	5-23-94/0915			/	
Relinquished by: (Signature)	Date /Time	Received by: (Signature)	Relinquished by: (Signature)	Date /Time	Received by: (Signature)
	/			/	
Relinquished by: (Signature)	Date /Time	Received for Lab by: (Signature)	Remarks:		
	5/23/94	Kathy Young			

Distribution: Original and Yellow copy accompany sample shipment to laboratory; Pink copy retained by client.

RUN CORRELATION

	SAMPLE NUMBER	
PARAMETER	RUN NUMBER	RUN NUMBER
	RUN NUMBER	RUN NUMBER

Run correlation tables indicate each parameter analyzed by sample number and the correlating raw data run where the analysis can be found.

	C156711	C156712	C156714
TCLP	R217723	R217723	R217723
FAA-DIG.	R217893	R217893	R217893
BA	R219089	R218906	R218906
CD	R218569	R218569	R218569
CR	R219089	R218906	R218906
PB	R219089	R219089	R219089
AG	R218292	R218292	R218292
GFAA-DIG.	R217888	R217888	R217888
AS	R218153	R218157	R218157
SE	R218700	R218700	R218452
CVAA-DIG.	R217309	R217309	R217309
HG	R218567	R218567	R218567

	C156715	C156716	C156717	C156718	C156719
TCLP	R217723	R217723	R217723	R217723	R217723
FAA-DIG	R217925	R217925	R217925	R217925	R217925
BA	R219636	R219636	R219636	R219636	R219636
CD	R218067	R218067	R218067	R218067	R218067
CR	R218566	R218566	R218566	R218566	R218566
PB	R218707	R218707	R218707	R218707	R218707
AG	R218292	R218292	R218292	R218292	R218292
GFAA	R217928	R217928	R217928	R217928	R217928
AS	R218694	R218694	R218694	R218694	R218694
SE	R218452	R218452	R218452	R218700	R218700
CVAA	R217309	R217309	R217762	R217762	R217762
HG	R218567	R218567	R218567	R218567	R218567

	C156765	C156766	C156767	C156768	C156769
TCLP	R218058	R218058	R218058	R218058	R218058
FAA-DIG	R217934	R217934	R217934	R217934	R217934
BA	R219636	R219636	R219636	R219636	R219636
CD	R218569	R218569	R218569	R218569	R218569
CR	R219121	R219121	R219121	R219121	R219121
PB	R218707	R218707	R218707	R218707	R218707
AG	R218292	R218292	R218292	R218292	R218292
GFAA	R217935	R217935	R217935	R217935	R217935
AS	R218694	R218694	R218694	R218694	R218694
SE	R219314	R219308	R219314	R219314	R219314
CVAA	R217763	R217763	R217763	R217763	R217763
HG	R218567	R218567	R218567	R218567	R218567

	C156812	C156813	C156815	C156816	
TCLP	R218058	R218058	R218058	R218058	
FAA-DIG	R217934	R217934	R217934	R217934	
BA	R219636	R219636	R219636	R219636	
CD	R218569	R218569	R218569	R218569	
CR	R219121	R219121	R219121	R219121	
PB	R218707	R218707	R218707	R218707	
AG	R218292	R218292	R218292	R218292	
GFAA	R217935	R217935	R217935	R217935	
AS	R218694	R218694	R218694	R218694	
SE	R219314	R219308	R219314	R219314	
CVAA	R217763	R217758	R217758	R217760	
HG	R218567	R218567	R218567	R218567	

	C156876	C156877	C156878	C156881	C156882
FAA	R218273	R218273	R218273	R218273	R218273
AG	R218273	R218273	R218273	R218273	R218273
FAA	R218741	R218741	R218741	R218741	R218741
SB	R219089	R219089	R219089	R219089	R219089
BE	R219089	R219089	R219089	R219089	R219089
CD	R219089	R219089	R219089	R219089	R219089
CR	R219089	R219089	R219089	R219089	R219089
CU	R219089	R219089	R219089	R219089	R219089
PB	R219089	R219089	R219089	R219089	R219089
NI	R219930	R219930	R219930	R219930	R219930
TL	R219089	R219089	R219089	R219089	R219089
GFAA	R218275	R218275	R218275	R218275	R218275
AS	R219901	R218982	R218982	R218982	R218982
SE	R219314	R219314	R219314	R219314	R219314
ZN	R219089	R219089	R219089	R219089	R219089
CVAA	R218262	R218262	R218262	R218262	R218262
HG	R218567	R218567	R218567	R218567	R218567

HERITAGE

CASE NARRATIVE
METALS

This Case Narrative applies to the following samples;

C156711
C156712
C156714

The detection limit for Barium was raised due to contamination measured in the spin TCLP blank. All detection limits were raised above the blank level. The digestion blank did not show any measurable amount of Barium.

The analyst made in error in the analysis of the Duplicate for Barium, Chromium and Lead as analyzed on the ICP. The duplicate was spiked with one of the two spiking solutions used therefore the analysis for the above mentioned elements could not be calculated. However, a Matrix Spike Duplicate (DPS) was also digested and analyzed with this set for ICP. Duplicate values for Relative Percent Difference (RPD) for Barium, Chromium, and Lead were calculated off the DPS.

No further anomalies or deviations from specified protocols were noted.

Christine Sarkan
Quality Assurance Officer

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U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: HERITAGE LABORATORIES Contract: _____

Lab Code: _____ Case No.: Q271 SAS No.: _____ SDG No.: _____

SOW No.: _____

EPA Sample No.	Lab Sample ID.
	C156711
	C156712
	C156714

Were ICP interelement corrections applied? Yes/No Y

Were ICP background corrections applied? Yes/No Y

If yes-were raw data generated before application of background corrections? Yes/No N

Comments:

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

Signature: _____ Name: _____

Date: _____ Title: _____

EMS HERITAGE LABORATORIES, INC.
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Q.C. REPORT NO. Q271
Form II

	COMPOUND	INITIAL CALIBRATION[1]			CONTINUING CALIBRATION[2]					
	Metals:	True Value	Found	%Rec	True Value	Found	%Rec	Found	%Rec	Method[3]
	1. Aluminum									
	2. Antimony									
**	3. Arsenic	20	20.7	104	20	20	100	19.8	99	F
*	4. Barium	2000	2010	101	5000	4876	97	5018 / 4894	100 / 98	P
	5. Beryllium									
	6. Cadmium	500	518	104	500	526	105	526	105	A
	7. Calcium									
*	8. Chromium	400	397	99	5000	5021	100	5046 / 5060	101 / 101	P
	9. Cobalt									
	10. Copper									
	11. Iron									
	12. Lead	400	420	105	5000	5033	101	5038 / 5057	101 / 10	P
	13. Magnesium									
	14. Manganese									
	15. Mercury	2.0	2.0	100	2.0	1.93	96	1.97 / 1.97	98 / 98	C
	16. Nickel									
	17. Potassium									
	18. Selenium	20	21.2	106	20	20.4	102	19.5	98	F
	19. Silver	1500	1580	105	1000	958	96	1000	100 ~~1000~~	~~100~~ A
	20. Sodium									
	21. Thallium									
	22. Vanadium									
	23. Zinc									
	Other:									
*	As	20	20.5	103	20	21.2	106	21.8	109	F
	Se	20	21.5	108	20	20.4	102	18.9	95	F

* C156712 + 14
** C156711

[1] Calibration Source

[2] Continuing Calibration Source _____

Indicate Analytical Method Used: P=ICP, A=Flame AA, F=Furnace AA, C=Cold Vapor

Revision 0 Date July 1991

91CK109LRS

** C156711 Only.

R219089

EMS HERITAGE LABORATORIES, INC.
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Q.C. REPORT NO. D271
Form II

COMPOUND	INITIAL CALIBRATION[1]			CONTINUING CALIBRATION[2]					
Metals:	True Value	Found	%Rec	True Value	Found	%Rec	Found	%Rec	Method[3]
1. Aluminum									
2. Antimony									
3. Arsenic									
4. Barium	2000	2060	103	5000	4980	100	5030	101	P
5. Beryllium									
6. Cadmium									
7. Calcium									
8. Chromium	400	403	101	5000	5080	102	5080	102	P
9. Cobalt									
10. Copper									
11. Iron									
12. Lead	400	415	104	5000	5040	101	5030	101	P
13. Magnesium									
14. Manganese									
15. Mercury									
16. Nickel									
17. Potassium									
18. Selenium									
19. Silver									
20. Sodium									
21. Thallium									
22. Vanadium									
23. Zinc									
Other:									

[1] Calibration Source

[2] Continuing Calibration Source _____

Indicate Analytical Method Used: P=ICP, A=Flame AA, F=Furnace AA, C=Cold Vapor

Revision 0 Date July 1991

91CK1091.R6

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: HERITAGE LABORATORIES Contract: _____

Lab Code: _____ Case No.: Q271 SAS No.: _____ SDG No.: _____

AA CRDL Standard Source: _____

ICP CRDL Standard Source: _____

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	20	20.1	101					
Barium				40	44.4	111	44.8	112
Beryllium								
Cadmium	100	110	110					
Calcium								
Chromium				40	42.6	107	40.2	101
Cobalt								
Copper								
Iron								
Lead				112	85.2	76	130	116
Magnesium								
Manganese								
Mercury	1.0	1.04	104					
Nickel								
Potassium								
Selenium	20	21.4	107					
Silver	150	117	78					
Sodium								
Thallium								
Vanadium								
Zinc								
*1 As	20	20.9	105					
* Se	20	21.1	106					

** C156711 only

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: HERITAGE LABORATORIES Contract: _____

Lab Code: _____ Case No.: Q271 SAS No.: _____ SDG No.: _____

AA CRDL Standard Source: _____

ICP CRDL Standard Source: _____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
ntimony								
rsenic				240	46	115		
Barium	10			~~10000~~	~~10300~~	~~103~~	46.8	117
Beryllium								
Cadmium								
Calcium								
Chromium				40	44.8	112	42.7	107
Cobalt								
Copper								
Iron								
Lead				112	80.6	72	41	37
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

EMS HERITAGE LABORATORIES, INC.
BLANKS

Q.C. REPORT NO. Q271
Form III

Units ug/l

COMPOUND	INITIAL CALIBRATION	CONTINUING CALIBRATION BLANK VALUE				PREPARATION BLANK Matrix	Matrix
Metals:	BLANK VALUE	1	2	3	4	1	2
1. Aluminum							
2. Antimony							
3. Arsenic	BDL	BDL	BDL			BDL	
4. Barium	BDL	BDL	BDL	BDL		BDL	
5. Beryllium							
6. Cadmium	BDL	BDL	BDL			BDL	
7. Calcium							
8. Chromium	BDL	BDL	BDL	BDL		BDL	
9. Cobalt							
10. Copper							
11. Iron							
12. Lead	BDL	BDL	BDL	BDL		BDL	
13. Magnesium							
14. Manganese							
15. Mercury	BDL	BDL	BDL	BDL		BDL	
16. Nickel							
17. Potassium							
18. Selenium	BDL	BDL	BDL			BDL	
19. Silver	BDL	BDL	BDL			BDL	
20. Sodium							
21. Thallium							
22. Vanadium							
23. Zinc							
Other: As*	BDL	BDL	BDL				
Se	BDL	BDL	BDL				

orting Units: aqueous, ug/L; solid mg/Kg

Revision 0 Date July 1991

91CK1092.R6

*X C156711 only

EMS HERITAGE LABORATORIES, INC.
BLANKS

Q.C. REPORT NO. Q271
Form III

Units ug/l

COMPOUND	INITIAL CALIBRATION	CONTINUING CALIBRATION BLANK VALUE				PREPARATION BLANK Matrix	Matrix
Metals:	BLANK VALUE	1	2	3	4	1	2
1. Aluminum							
2. Antimony							
3. Arsenic							
4. Barium	BDL	BDL	BDL				
5. Beryllium							
6. Cadmium							
7. Calcium							
8. Chromium	BDL	BDL	BDL				
9. Cobalt							
10. Copper							
11. Iron							
12. Lead	BDL	BDL	BDL				
13. Magnesium							
14. Manganese							
15. Mercury							
16. Nickel							
17. Potassium							
18. Selenium							
19. Silver							
20. Sodium							
21. Thallium							
22. Vanadium							
23. Zinc							
Other;							

orting Units: aqueous, ug/L; solid mg/Kg

Revision 0 Date July 1991

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EMS HERITAGE LABORATORIES, INC.
ICP INTERFERENCE CHECK SAMPLE

Q.C. REPORT NO. Q271
Form IV

heck Sample ID#:_____ Check Sample Source:_____ Units: ug/L

COMPOUND	CONTROL LIMITS[1] 20%			INITIAL		FINAL	
Metals	Mean	Std. Dev.	True[2]	Observed	%R	Observed	%R
1. Aluminum							
2. Antimony							
3. Arsenic							
4. Barium			500	493	99	516	103
5. Beryllium							
6. Cadmium							
7. Calcium							
8. Chromium			500	487	97	500	100
9. Cobalt							
10. Copper							
on							
12. Lead			1000	938	94	925	92
13. Magnesium							
14. Manganese							
15. Mercury							
16. Nickel							
17. Potassium							
18. Selenium							
19. Silver							
20. Sodium							
21. Thallium							
22. Vanadium							
23. Zinc							
Other:							

lean value based on n = _____.
rue value of EPA ICP Interference Check Sample or Contractor standard.
evision 0

Date July 1991

91CK1096.R6

**CI56711 Only

EMS HERITAGE LABORATORIES, INC.
ICP INTERFERENCE CHECK SAMPLE

Q.C. REPORT NO. Q271
Form IV

heck Sample ID#:_____ Check Sample Source:_____ Units: ug/L

COMPOUND	CONTROL LIMITS[1]			INITIAL		FINAL	
Metals	Mean	Std. Dev.	True[2]	Observed	%R	Observed	%R
1. Aluminum							
2. Antimony							
3. Arsenic							
4. Barium			500	504	101	494	99
5. Beryllium							
6. Cadmium							
7. Calcium							
8. Chromium			500	499	100	492	98
9. Cobalt							
10. Copper							
on							
12. Lead			1000	880	88	866	87
13. Magnesium							
14. Manganese							
15. Mercury							
16. Nickel							
17. Potassium							
18. Selenium							
19. Silver							
20. Sodium							
21. Thallium							
22. Vanadium							
23. Zinc							
Other:							

lean value based on n =_____.
rue value of EPA ICP Interference Check Sample or Contractor standard.
evision 0

Date July 1991

91CK1096.R6

EMS HERITAGE LABORATORIES, INC.
SPIKE SAMPLE RECOVERY

Q.C. REPORT NO. Q271
Form V

ple #: C156711-GFAA C156691-FAA/ICP, Hg Lab Sample ID#: Q928324 Q928339 Units: UG/L

COMPOUND	CONTROL LIMIT %R	SPIKED SAMPLE RESULT (SSR)	SAMPLE RESULT (SR)	SPIKED ADDED (SA)	%R[1]
METALS					
. Aluminum					
. Antimony					
. Arsenic	75-125	107	BDL	100	107
. Barium	75-125	1965	1079	1000	89
. Beryllium					
. Cadmium	75-125	1020	BDL	1000	102
7. Calcium					
8. Chromium	75-125	1012	152	1000	86
9. Cobalt					
0. Copper					
1. Iron					
2. Lead	75-125	924	10.6	1000	91
3. Magnesium					
14. Manganese					
15. Mercury	75-125	1.30	BDL	1.47	88
16. Nickel					
17. Potassium					
18. Selenium	75-125	49	BDL	50	98
19. Silver	75-125	931	BDL	1000	93
20. Sodium					
21. Thallium					
22. Vanadium					
23. Zinc					
Other:					
ide					

% = [(SSR - SR)/SA] X 100
[1] = Out of control
[2] = Not required

Revision 0
Date July 1991

91CK1093.R6

EMS HERITAGE LABORATORIES, INC.
DUPLICATES

Q.C. REPORT NO. Q271
Form VI

nple #: C156711-6FAA C156691-ICP/FAA, Hg Lab Sample ID#: Q928323 Q928338 Units: UG/L

COMPOUND	CONTROL LIMIT[1]	SAMPLE(S)	DUPLICATE(D)	RPD[2]
METALS				
1. Aluminum				
2. Antimony				
3. Arsenic	<20	BDL	BDL	NC
4. Barium	<20	1079	1056	2.2
5. Beryllium				
6. Cadmium	<20	BDL	BDL	NC ~~Na+ See DPS~~
7. Calcium				
8. Chromium	<20		1041	Na+ See DPS
9. Cobalt				
10. Copper				
11. Iron				
1 ad				Na+ See DPS
13. Magnesium				
14. Manganese				
15. Mercury	<20	BDL	BDL	NC
16. Nickel				
17. Potassium				
18. Selenium	<20	BDL	BDL	NC
19. Silver	<20	BDL	BDL	NC
20. Sodium				
21. Thallium				
22. Vanadium				
23. Zinc				
Other:				
anide				

* Out of control
[1]To be added at a later date
[2]RPD = [S - D /((S + D)/2)] X 100
NC = Non calculable RPD due to value(s) less than CRDL

Revision 0
Date July 1991

91CK1094.R5

EMS HERITAGE LABORATORIES, INC.
DUPLICATES Spike

Q.C. REPORT NO. Q271
Form VI

Sample #: C156691 Lab Sample ID#: Q928340 Units: UG/L

COMPOUND	CONTROL LIMIT[1]	SAMPLE(S)	DUPLICATE(D)	RPD[2]
METALS		Sp.02	DPS02	
1. Aluminum				
2. Antimony				
3. Arsenic				
4. Barium				
5. Beryllium				
6. Cadmium	~~<20%~~	~~868~~	~~872~~	~~0.5%~~
7. Calcium				
8. Chromium	<20%	1050	1035	1.4%
9. Cobalt				
10. Copper				
11. Iron				
ead	<20%	918	904	1.5%
13. Magnesium				
14. Manganese				
15. Mercury				
16. Nickel				
17. Potassium				
18. Selenium				
19. Silver				
20. Sodium				
21. Thallium				
22. Vanadium				
23. Zinc				
Other:				
anide				

* Out of control
[1]To be added at a later date
[2]RPD = [S - D /((S + D)/2)] X 100
NC = Non calculable RPD due to value(s) less than CRDL

Revision 0
Date July 1991

91CK1094.R6

EMS HERITAGE LABORATORIES, INC.

INSTRUMENT DETECTION LIMITS AND
LABORATORY CONTROL SAMPLE

Q.C. REPORT NO. Q271
Form VII

COMPOUND	~~REQUIRED~~ Reported DETECTION LIMITS (CRDL)-ug/L	INSTRUMENT DETECTION LIMITS (IDL)-ug/L		LAB CONTROL SAMPLE ug/L mg/KG		
Metals		ICP/AA ID#	Furnace ID#	TRUE	FOUND	%R
1. Aluminum						
2. Antimony						
3. Arsenic	5		0.6	100	100	100
4. Barium	10,000	2.4		1000	992	99
5. Beryllium						
6. Cadmium	50	~~2.5~~ 7.9		1000	~~992~~ 971	~~99~~ 98
7. Calcium						
8. Chromium	40	8.3		1000	1012	101
9. Cobalt						
10. Copper						
11. Iron				10		
12. Lead	200	43		1000	1056	106
13. Magnesium						
14. Manganese						
15. Mercury	5.0	0.11		1.47	1.52	103
16. Nickel						
17. Potassium						
18. Selenium	10		1.6	50	53	106
19. Silver	50	12.7		1000	985	98
20. Sodium						
21. Thallium						
22. Vanadium						
23. Zinc						
Other:						
Cyanide		NR	NR			

!! ot required
Date July 1991
Revision 0

91CK1095.R6

"NOT Applicable"

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): _____ Level (low/med): _____

Concentration Units: ug/L

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

EMS HERITAGE LABORATORIES, INC.
HOLDING TIMES

Q.C. REPORT NO. Q271
Form X

EPA SAMPLE NO.	MATRIX	DATE RECEIVED	MERCURY PREP DATE	MERCURY HOLDING TIME[1] (Days)	CN PREP DATE	CN HOLDING TIME[1] (Days)
C156711	TCLP	5-17-94	5-20-94	3		
C156712	↓	↓	↓	↓		
C156714	↓	↓	↓	↓		

[1]Holding time is defined as number of days between the date received and the sample preparation date.

F ·on 0

Date July 1991

91CK1099.R6

Form XI

INSTRUMENT DETECTION LIMITS

LAB NAME HERITAGE LABORATORIES DATE 7/8/94

ICP/Flame AA (Circle One) Model Number PE2380 Furnace AA Number PE 5100

Element	Wavelength (nm)	IDL (ug/L)	Element	Wavelength (nm)	IDL (ug/L)
1. Aluminum			13. Magnesium		
2. Antimony			14. Manganese		
3. Arsenic	193.7	0.6	15. Mercury	253.7	0.11
4. Barium			16. Nickel		
5. Beryllium			17. Potassium		
6. Cadmium	228.8	7.9	18. Selenium	196.0	1.6
7. Calcium			19. Silver	328.1.	12.7
8. Chromium			20. Sodium		
9. Cobalt			21. Thallium		
10. Copper			22. Vanadium		
11. Iron			23. Zinc		
12. Lead					

Footnotes:
- Indicate the instrument for which the IDL applies with a "P" (for ICP an "A" (for Flame AA), or an "F" (for Furnace AA) behind the IDL valu
- Indicate elements commonly run with background correction (AA) with a "B" behind the analytical wavelength.
- If more than one ICP/Flame or Furnace AA is used, submit separate Forms XI-XIII for each instrument.

COMMENTS: _____

Lab Manager _____

Revision 0
Date September 1986

Form XI

INSTRUMENT DETECTION LIMITS

LAB NAME HERITAGE LABORATORIES DATE 7/15

ICP/Flame AA (Circle One) Model Number 61E Furnace AA Number ____

Element	Wavelength (nm)	IDL (ug/L)	Element	Wavelength (nm)	IDL (ug/L)
1. Aluminum	308.2	25	13. Magnesium	279.0	31
2. Antimony	206.8	36	14. Manganese	257.6	1.7
3. Arsenic	193.6	54	15. Mercury	184.9	
4. Barium	493.4	2.4	16. Nickel	231.6	6.4
5. Beryllium	313.0	0.11	17. Potassium	766.4	120
6. Cadmium	226.5	2.5	18. Selenium	196.0	44
7. Calcium	317.9	29	19. Silver	328.0	3.4
8. Chromium	267.7	8.3	20. Sodium	588.9	217
9. Cobalt	228.6	2.0	21. Thallium	190.8	39
10. Copper	324.7	4.8	22. Vanadium	292.4	3.4
11. Iron	259.9	31	23. Zinc	213.8	7.4
12. Lead	220.3	43			

Footnotes:
- Indicate the instrument for which the IDL applies with a "P" (for ICP an "A" (for Flame AA), or an "F" (for Furnace AA) behind the IDL valu
- Indicate elements commonly run with background correction (AA) with a "B" behind the analytical wavelength.
- If more than one ICP/Flame or Furnace AA is used, submit separate Forms XI-XIII for each instrument.

COMMENTS: Sr 421.5nm

Lab Manager ____

Revision 0
Date September 1986

Form XIII

ICP Linear Ranges

LAB NAME HERITAGE LABORATORIES ICP Model Number 61E ITA

DATE 7/18/94

Analyte	Integration Time (Seconds)	Concen-tration (ug/L)	Analyte	Integration Time (Seconds)	Concen-tration (ug/L)
1. Aluminum	8.0	500,000	13. Magnesium	8.0	1,000,000
2. Antimony		100,000	14. Manganese		500,000
3. Arsenic		200,000	15. Mercury		
4. Barium		300,000	16. Nickel		500,000
5. Beryllium		100,000	17. Potassium		500,000
6. Cadmium		1,000,000	18. Selenium		200,000
7. Calcium		500,000	19. Silver		100,000
8. Chromium		500,000	20. Sodium		500,000
9. Cobalt		800,000	21. Thallium		300,000
10. Copper		200,000	22. Vanadium		200,000
11. Iron		400,000	23. Zinc		200,000
12. Lead		300,000			

Footnotes: • Indicate elements not analyzed by ICP with the notation "NA".

COMMENTS: _____

Lab Manager _____

Revision 0
Date September 1986

HERITAGE

CASE NARRATIVE
METALS

This Case Narrative applies to the following samples;

C156715 - C156719

The TCLP spin blank was found to contain a quantity of Barium. All samples to which the spin blank pertained had the Barium detection limit raised above the noted contamination. The preparatory blanks did not contain measurable Barium.

No further anomalies or deviations from method protocols were noted.

Christine Sarkan
Quality Assurance Officer

recycled paper

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Heritage Laboratories Contract: _____

Lab Code: _____ Case No.: Q271 SAS No.: _____ SDG No.: _____

SOW No.: _____

EPA Sample No.	Lab Sample ID.
	C156715
	C156716
	C156717
	C156718
	C156719

Were ICP interelement corrections applied? Yes/No Y

Were ICP background corrections applied? Yes/No ~~N~~ Y
If yes-were raw data generated before application of background corrections? Yes/No N

Comments:

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

Signature: _____ Name: _____

Date: _____ Title: _____

EMS HERITAGE LABORATORIES, INC.
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Q.C. REPORT NO. Q271
Form II

COMPOUND	INITIAL CALIBRATION[1]			CONTINUING CALIBRATION[2]					
Metals:	True Value	Found	%Rec	True Value	Found	%Rec	Found	%Rec	Method[3]
1. Aluminum									
2. Antimony									
3. Arsenic	20	19.5	98	20	20.2	101	20.5 / 18.7	103 / 94	F
4. Barium	2000	1907	95	5000	4884 / 4946	98 / 99	4984 / 4896	100 / 98	P
5. Beryllium									
6. Cadmium	500	550	110	500	533	107	541 / 533	108 / 107	A
7. Calcium									
8. Chromium	1500	1470	~~100~~ 98	2000	2040	102	2000	100	A
9. Cobalt									
10. Copper									
11. Iron									
12. Lead	5000	5400	108	5000	5270	105	5270 / 5270	105 / 105	A
13. Magnesium									
14. Manganese									
15. Mercury	2.0	2.0	100	2.0	2.08 / 2.08	104 / 104	1.97 / 1.97	98 / 98	C
16. Nickel									
17. Potassium									
18. Selenium	20	21.5	108	20	18.9	95	18.4 / 18.7	92 / 94	F
19. Silver	1500	1580	105	1000	945 / 985	94 / 98	945 / 931	94 / 93	A
20. Sodium									
21. Thallium									
22. Vanadium									
23. Zinc									
Other: Se*	20	21.2	106	20	20.4	102	19.5	98	F

* C156718-19

[1] Calibration Source

[2] Continuing Calibration Source_____

Indicate Analytical Method Used: P=ICP, A=Flame AA, F=Furnace AA, C=Cold Vapor

Revision 0 Date July 1991

91CK1091.R6

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: HERITAGE LABORATORIES Contract: _____

Lab Code: _____ Case No.: D271 SAS No.: _____ SDG No.: _____

AA CRDL Standard Source: _____

ICP CRDL Standard Source: _____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
					Initial		Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum								
Antimony								
Arsenic	20	20	100					
Barium				700	670	96	669	96
Beryllium								
Cadmium	100	90	90					
Calcium								
Chromium	200	166	83					
Cobalt								
Copper								
Iron								
Lead	500	489	98					
Magnesium								
Manganese								
Mercury	1.0	1.04	104					
Nickel								
Potassium								
Selenium	20	21.1	106					
Silver	150	117	78					
Sodium								
Thallium								
Vanadium								
Zinc								
Se *	20	21.4	107					

EMS HERITAGE LABORATORIES, INC.
BLANKS

Q.C. REPORT NO. Q271
Form III

Units UG/L

COMPOUND	INITIAL CALIBRATION	CONTINUING CALIBRATION BLANK VALUE				PREPARATION BLANK Matrix	Matrix
Metals:	BLANK VALUE	1	2	3	4	1	2
1. Aluminum							
2. Antimony							
3. Arsenic	BDL	BDL	BDL	BDL		BDL	
4. Barium	BDL	BDL	BDL	BDL	BDL	BDL	
5. Beryllium							
6. Cadmium	BDL	BDL	BDL	BDL		BDL	
7. Calcium							
8. Chromium	BDL	BDL	BDL	BDL		BDL	
9. Cobalt							
10. Copper							
11. Iron							
12. Lead	BDL	BDL	BDL	BDL		BDL	
13. Magnesium							
14. Manganese							
15. Mercury	BDL	BDL	BDL	BDL	BDL	BDL	
16. Nickel							
17. Potassium							
18. Selenium	BDL	BDL	BDL	BDL		BDL	
19. Silver	BDL	BDL	BDL	BDL	BDL	BDL	
20. Sodium							
21. Thallium							
22. Vanadium							
23. Zinc							
Other: Se *	BDL	BDL	BDL				

orting Units: aqueous, ug/L; solid mg/Kg

Revision 0 Date July 1991

91CK1092.R6

EMS HERITAGE LABORATORIES, INC.
ICP INTERFERENCE CHECK SAMPLE

Q.C. REPORT NO. Q271
Form IV

heck Sample ID#:_____ Check Sample Source:_____ Units: ug/L

COMPOUND	CONTROL LIMITS[1] ±20%			INITIAL		FINAL	
Metals	Mean	Std. Dev.	True[2]	Observed	%R	Observed	%R
1. Aluminum							
2. Antimony							
3. Arsenic							
4. Barium			500	447	89	446	89
5. Beryllium							
6. Cadmium							
7. Calcium							
8. Chromium							
9. Cobalt							
10. Copper							
on							
12. Lead							
13. Magnesium							
14. Manganese							
15. Mercury							
16. Nickel							
17. Potassium							
18. Selenium							
19. Silver							
20. Sodium							
21. Thallium							
22. Vanadium							
23. Zinc							
Other:							

lean value based on n =_____.
rue value of EPA ICP Interference Check Sample or Contractor standard.
evision 0 Date July 1991

91CK1096.R6

EMS HERITAGE LABORATORIES, INC.
SPIKE SAMPLE RECOVERY

Q.C. REPORT NO. Q271
Form V

mple #: C156716-GFAA C156715-FAA Lab Sample ID#: Q928488 Q928482 Units: UG/L

COMPOUND	CONTROL LIMIT %R	SPIKED SAMPLE RESULT (SSR)	SAMPLE RESULT (SR)	SPIKED ADDED (SA)	%R[1]
METALS 1. Aluminum					
2. Antimony					
3. Arsenic	75-125	95	BDL	100	95
4. Barium	75-125	3718	2862	1000	86
5. Beryllium					
6. Cadmium	75-125	1050	BDL	1000	105
7. Calcium					
8. Chromium	75-125	770	BDL	1000	77
9. Cobalt					
10. Copper					
11. n					
12. Lead	75-125	980	BDL	1000	98
13. Magnesium					
14. Manganese					
15. Mercury					
16. Nickel					
17. Potassium					
18. Selenium	75-125	48	BDL	50	96
19. Silver	75-125	958	BDL	1000	96
20. Sodium					
21. Thallium					
22. Vanadium					
23. Zinc					
Other:					
ide					

[1]% = [(SSR - SR)/SA] X 100
"N" = Out of control
"NR" = Not required

Revision 0
Date July 1991

91CK1093.R6

Hg.* C156715 C156716 only

C156717-19 ** only.

EMS HERITAGE LABORATORIES, INC.
SPIKE SAMPLE RECOVERY

Q.C. REPORT NO. Q271
Form V

mple #: C156691 ** C156711 *

Lab Sample ID#: Q927535 Q924475

Units: UG/L

COMPOUND	CONTROL LIMIT %R	SPIKED SAMPLE RESULT (SSR)	SAMPLE RESULT (SR)	SPIKED ADDED (SA)	%R[1]
METALS 1. Aluminum					
2. Antimony					
3. Arsenic					
4. Barium					
5. Beryllium					
6. Cadmium					
7. Calcium					
8. Chromium					
9. Cobalt					
10. Copper					
11. n					
12. Lead					
13. Magnesium					
14. Manganese					
15. Mercury	75-125	1.30	BDL	1.47	88
16. Nickel					
17. Potassium					
18. Selenium					
19. Silver					
20. Sodium					
21. Thallium					
22. Vanadium					
23. Zinc					
Other:					
Hg **	75-125	1.23	BDL	1.47	83
ide					

[1]% = [(SSR - SR)/SA] X 100
"N" = Out of control
"NR" = Not required

Revision 0
Date July 1991

91CK1093.R6

EMS HERITAGE LABORATORIES, INC.
DUPLICATES

Q.C. REPORT NO. Q271
Form VI

Sample #: C156716 - 6FAA C156715 - FAA Lab Sample ID#: Q928487 Q928481 Units: UG/L

COMPOUND	CONTROL LIMIT[1]	SAMPLE(S)	DUPLICATE(D)	RPD[2]
METALS 1. Aluminum				
2. Antimony				
3. Arsenic	<20	BDL	BDL	NC
4. Barium	<20	BDL	BDL	NC
5. Beryllium				
6. Cadmium	<20	BDL	BDL	NC
7. Calcium				
8. Chromium	<20	BDL	BDL	NC
9. Cobalt				
10. Copper				
11. Iron				
ead	<20	BDL	BDL	NC
13. Magnesium				
14. Manganese				
15. Mercury				
16. Nickel				
17. Potassium				
18. Selenium	<20	BDL	BDL	NC
19. Silver	<20	BDL	BDL	NC
20. Sodium				
21. Thallium				
22. Vanadium				
23. Zinc				
Other:				
anide				

* Out of control
[1]To be added at a later date
[2]RPD = [S - D /((S + D)/2)] X 100
NC = Non calculable RPD due to value(s) less than CRDL

Revision 0
Date July 1991

91CK1094.R6

Hg* C156715
Hg C156716 only

C156717-19 ** only

EMS HERITAGE LABORATORIES, INC.
DUPLICATES

Q.C. REPORT NO. Q271
Form VI

C156691 **
Sample #: C156711 *

Lab Sample ID#: Q927534 Q924474

Units: UG/L

COMPOUND	CONTROL LIMIT[1]	SAMPLE(S)	DUPLICATE(D)	RPD[2]
METALS 1. Aluminum				
2. Antimony				
3. Arsenic				
4. Barium				
5. Beryllium				
6. Cadmium				
7. Calcium				
8. Chromium				
9. Cobalt				
10. Copper				
11. Iron				
ead				
13. Magnesium				
14. Manganese				
15. ~~Mercury~~ *	~~BDL~~ Clo <20	BDL	BDL	NC
16. Nickel				
17. Potassium				
18. Selenium				
19. Silver				
20. Sodium				
21. Thallium				
22. Vanadium				
23. Zinc				
Other:				
Hg **	<20	BDL	BDL	NC
anide				

* Out of control
[1]To be added at a later date
[2]RPD = [S - D /((S + D)/2)] X 100
NC = Non calculable RPD due to value(s) less than CRDL

Revision 0
Date July 1991

91CK1094.R6

EMS HERITAGE LABORATORIES, INC.

INSTRUMENT DETECTION LIMITS AND
LABORATORY CONTROL SAMPLE

Q.C. REPORT NO. Q271
Form VII

COMPOUND	~~REQUIRED~~ Reported DETECTION LIMITS (CRDL)-ug/L	INSTRUMENT DETECTION LIMITS (IDL)-ug/L		LAB CONTROL SAMPLE ug/L mg/KG			
Metals		ICP/AA ID#	Furnace ID#	TRUE	FOUND	%R	
1. Aluminum							
2. Antimony							
3. Arsenic	5	~~0.6~~ Cb	0.6	100	101	101	
4. Barium	5000	3.2		1000	889	89	
5. Beryllium							
6. Cadmium	50	7.9		1000	1010	101	
7. Calcium							
8. Chromium	100	19		1000	972	97	
9. Cobalt							
10. Copper							
11. Iron							
12. Lead	250	156		1000	1100	110	
13. Magnesium							
14. Manganese							
15. Mercury	0.5	0.11		1.47	1.52	103	*
16. Nickel							
17. Potassium							
18. Selenium	1.0	~~1.6~~ Cb	1.6	50	52	104	
19. Silver	50	12.7		1000	972	97	
20. Sodium							
21. Thallium							
22. Vanadium							
23. Zinc							
Other:							
Hg				1.47	1.38	93	**
Cyanide		NR	NR				

ot required
Date July 1991
Revision 0

91CK1095.R6

Not Applicable

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): _____ Level (low/med): _____

Concentration Units: ug/L

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

EMS HERITAGE LABORATORIES, INC.
HOLDING TIMES

Q.C. REPORT NO. Q271
Form X

EPA SAMPLE NO.	MATRIX	DATE RECEIVED	MERCURY PREP DATE	MERCURY HOLDING TIME[1] (Days)	CN PREP DATE	CN HOLDING TIME[1] (Days)
C156715	TCLP	5-17-94	5-20-94	3		
C156716	↓	↓	↓	↓		
C156717	↓	↓	5-25-94	8		
C156718	↓	↓	↓	↓		
C156719	↓	↓	↓	↓		

[1]Holding time is defined as number of days between the date received and the sample preparation date.

I ion 0

Date July 1991

91CK1099.R6

Q271

Form XI

INSTRUMENT DETECTION LIMITS

LAB NAME HERITAGE LABORATORIES DATE 7/11/94

ICP/Flame AA (Circle One) Model Number 2380 Furnace AA Number 5100

Element	Wavelength (nm)	IDL (ug/L)	Element	Wavelength (nm)	IDL (ug/L)
1. Aluminum			13. Magnesium		
2. Antimony			14. Manganese		
3. Arsenic	193.7	0.6	15. Mercury	253.7	0.11
4. Barium	493.4		16. Nickel		
5. Beryllium			17. Potassium		
6. Cadmium	228.8	7.9	18. Selenium	196.0	1.6
7. Calcium			19. Silver	328.1	12.7
8. Chromium	357.9	19	20. Sodium		
9. Cobalt			21. Thallium		
10. Copper			22. Vanadium		
11. Iron			23. Zinc		
12. Lead	283.3	156			

Footnotes:
- Indicate the instrument for which the IDL applies with a "P" (for ICP an "A" (for Flame AA), or an "F" (for Furnace AA) behind the IDL valu
- Indicate elements commonly run with background correction (AA) with a "B" behind the analytical wavelength.
- If more than one ICP/Flame or Furnace AA is used, submit separate Forms XI-XIII for each instrument.

COMMENTS: _____

Lab Manager _____

Revision 0
Date September 1986

Form XI

INSTRUMENT DETECTION LIMITS

LAB NAME HERITAGE LABORATORIES DATE 7/15

(ICP)/Flame AA (Circle One) Model Number 61E Furnace AA Number ____

Element	Wavelength (nm)	IDL (ug/L)	Element	Wavelength (nm)	IDL (ug/L)
1. Aluminum	308.2	25	13. Magnesium	279.0	31
2. Antimony	206.8	36	14. Manganese	257.6	1.7
3. Arsenic	193.6	54	15. Mercury	184.9	
4. Barium	493.4	2.4	16. Nickel	231.6	6.4
5. Beryllium	313.0	0.11	17. Potassium	766.4	120
6. Cadmium	226.5	2.5	18. Selenium	196.0	44
7. Calcium	317.9	29	19. Silver	328.0	3.4
8. Chromium	267.7	8.3	20. Sodium	588.9	217
9. Cobalt	228.6	2.0	21. Thallium	190.8	39
10. Copper	324.7	4.8	22. Vanadium	292.4	3.4
11. Iron	259.9	31	23. Zinc	213.8	7.4
12. Lead	220.3	43			

Footnotes:
- Indicate the instrument for which the IDL applies with a "P" (for ICP an "A" (for Flame AA), or an "F" (for Furnace AA) behind the IDL valu
- Indicate elements commonly run with background correction (AA) with a "B" behind the analytical wavelength.
- If more than one ICP/Flame or Furnace AA is used, submit separate Forms XI-XIII for each instrument.

COMMENTS: Sr 421.5nm

Lab Manager ____

Revision 0
Date September 1986

Form XIII
ICP Linear Ranges

LAB NAME HERITAGE LABORATORIES ICP Model Number 61E ITA

DATE 7/18/94

Analyte	Integration Time (Seconds)	Concen-tration (ug/L)	Analyte	Integration Time (Seconds)	Concen-tration (ug/L)
1. Aluminum	8.0	500,000	13. Magnesium	8.0	1,000,000
2. Antimony		100,000	14. Manganese		500,000
3. Arsenic		200,000	15. Mercury		
4. Barium		300,000	16. Nickel		500,000
5. Beryllium		100,000	17. Potassium		500,000
6. Cadmium		1,000,000	18. Selenium		200,000
7. Calcium		500,000	19. Silver		100,000
8. Chromium		500,000	20. Sodium		500,000
9. Cobalt		800,000	21. Thallium		300,000
10. Copper		200,000	22. Vanadium		200,000
11. Iron		400,000	23. Zinc		200,000
12. Lead		300,000			

Footnotes: • Indicate elements not analyzed by ICP with the notation "NA".

COMMENTS: _____

Lab Manager _____

Revision 0
Date September 1986

CASE NARRATIVE
METALS

This Case Narrative applies to the following samples;

C156765 - C156769
C156812 - C156813
C156815 - C156816

The spike analysis for Selenium had a poor recovery of 74% which is outside of the acceptable limits of 75-125 %. The sample was reanalyzed with a second prepped spike recovering 68%. A matrix effect is indicated for this element and no further action is required.

No serial dilutions were required as no sample value for the elements reported met the serial dilution criteria.

No further anomalies or deviations from method protocols were noted.

Christine Sarkan
Quality Assurance Officer

recycled paper

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: HERITAGE LABS Contract: _____

Lab Code: _____ Case No.: Q271 SAS No.: _____ SDG No.: _____

SOW No.: _____

EPA Sample No.	Lab Sample ID.
	C156765
	C156766
	C156767
	C156768
	C156769
	C156812
	C156813
	C156815
	C156816

Were ICP interelement corrections applied? Yes/No Y

Were ICP background corrections applied? Yes/No Y

If yes-were raw data generated before application of background corrections? Yes/No N

Comments:

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

gnature: _____ Name: _____

Date: _____ Title: _____

EMS HERITAGE LABORATORIES, INC.
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Q.C. REPORT NO. Q271
Form II

COMPOUND	INITIAL CALIBRATION[1]			CONTINUING CALIBRATION[2]					
Metals:	True Value	Found	%Rec	True Value	Found	%Rec	Found	%Rec	Method[3]
1. Aluminum									
2. Antimony									
3. Arsenic	20	19.5	98	20	19.6	98	18.9 / 21.5	95 / 108	F
4. Barium	2000	1907	95	5000	4984 / 4896	100 / 98	4963 / 4914	99 / 98	P
5. Beryllium									
6. Cadmium	500	518	104	500/1000	543 / 1060	109 / 104	1050 / 1050	105 / 105	A
7. Calcium									
8. Chromium	1500	1470	98	2000	2000	100	1980 / 1960	99 / 98	A
9. Cobalt									
10. Copper									
11. Iron									
12. Lead	5000	5040	108	5000	5270 / 5270	105 / 105	5400 / 5400	108 / 108	A
13. Magnesium									
14. Manganese									
15. Mercury	2.0	2.0	100	2.0	2.11	106	1.63	82	C
16. Nickel									
17. Potassium									
18. Selenium	20	21.4	107	20	18.9	95	19.7	99	F
19. Silver	1500	1580	105	1000	1000 / 945	100 / 94	999 / 985	100 / 98	A
20. Sodium									
21. Thallium									
22. Vanadium									
23. Zinc									
Other:									
CLP766 Se	20	21.9	110	20	20.7	104	18.9	95	F

[1] Calibration Source

[2] Continuing Calibration Source _____

Indicate Analytical Method Used: P=ICP, A=Flame AA, F=Furnace AA, C=Cold Vapor

Revision 0 Date July 1991

91CK1091.R6

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: HERITAGE LABORATORIES Contract: _____

Lab Code: _____ Case No.: Q271 SAS No.: _____ SDG No.: _____

AA CRDL Standard Source: _____

ICP CRDL Standard Source: _____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
					Initial		Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum								
ntimony								
rsenic	20	20	100					
Barium				700	670	96	669	96
Beryllium								
Cadmium	100	110	110					
Calcium								
Chromium	100	68	68					
Cobalt								
Copper								
Iron								
Lead	500	489	98					
Magnesium								
Manganese								
Mercury	1.0	1.04	104					
Nickel								
Potassium								
Selenium	20	21.2	106					
Silver	150	117	78					
Sodium								
Thallium								
Vanadium								
Zinc								
Se-CIS6766	20	21.2	106					

EMS HERITAGE LABORATORIES, INC.
BLANKS

Q.C. REPORT NO. Q271
Form III

Units UG/L

COMPOUND	INITIAL CALIBRATION	CONTINUING CALIBRATION BLANK VALUE				PREPARATION BLANK Matrix	Matrix
Metals:	BLANK VALUE	1	2	3	4	1	2
1. Aluminum							
2. Antimony							
3. Arsenic	BDL	BDL	BDL	BDL		BDL	
4. Barium	BDL	BDL	BDL	BDL	BDL	BDL	
5. Beryllium							
6. Cadmium	BDL	BDL	BDL	BDL	BDL	BDL	
7. Calcium							
8. Chromium	BDL	BDL	BDL	BDL		BDL	
9. Cobalt							
10. Copper							
11. Iron							
12. Lead	BDL	BDL	BDL	BDL	BDL	BDL	
13. Magnesium							
14. Manganese							
* 15. Mercury	BDL	BDL	BDL			BDL	
16. Nickel							
17. Potassium							
18. Selenium	BDL	BDL	BDL			BDL	
19. Silver	BDL	BDL	BDL	BDL	BDL	BDL	
20. Sodium							
21. Thallium							
22. Vanadium							
23. Zinc							
Other;							
Se-C1567666	BDL	BDL	BDL				

* C156765-67, C156769, C156812 only
C156813, 815

orting Units: aqueous, ug/L; solid mg/Kg

Revision 0 Date July 1991

91CK1092.R6

C156768 ONLY

EMS HERITAGE LABORATORIES, INC.
BLANKS

Q.C. REPORT NO. 271
Form III

Units UG/L

Q927533

COMPOUND	INITIAL CALIBRATION	CONTINUING CALIBRATION BLANK VALUE				PREPARATION BLANK Matrix	Matrix
Metals:	BLANK VALUE	1	2	3	4	1	2
1. Aluminum							
2. Antimony							
3. Arsenic							
4. Barium							
5. Beryllium							
6. Cadmium							
7. Calcium							
8. Chromium							
9. Cobalt							
10. Copper							
11. Iron							
12. Lead							
13. Magnesium							
14. Manganese							
15. Mercury						BDL	
16. Nickel							
17. Potassium							
18. Selenium							
19. Silver							
20. Sodium							
21. Thallium							
22. Vanadium							
23. Zinc							
Other;							

orting Units: aqueous, ug/L; solid mg/Kg

Revision 0 Date July 1991

91CK1092.R6

EMS HERITAGE LABORATORIES, INC.
BLANKS

C156816

Q.C. REPORT NO. 271
Form III

Units UG/L

Q927521

COMPOUND	INITIAL CALIBRATION	CONTINUING CALIBRATION BLANK VALUE				PREPARATION BLANK Matrix	Matrix
Metals:	BLANK VALUE	1	2	3	4	1	2
1. Aluminum							
2. Antimony							
3. Arsenic							
4. Barium							
5. Beryllium							
6. Cadmium							
7. Calcium							
8. Chromium							
9. Cobalt							
10. Copper							
11. Iron							
12. Lead							
13. Magnesium							
14. Manganese							
15. Mercury						BDL	
16. Nickel							
17. Potassium							
18. Selenium							
19. Silver							
20. Sodium							
21. Thallium							
22. Vanadium							
23. Zinc							
Other:							

Reporting Units: aqueous, ug/L; solid mg/Kg

Revision 0 Date July 1991

91CK1092.R6

EMS HERITAGE LABORATORIES, INC.
ICP INTERFERENCE CHECK SAMPLE

Q.C. REPORT NO. Q271
Form IV

heck Sample ID#:_____ Check Sample Source:_____ Units: ug/L

COMPOUND	CONTROL LIMITS[1] 20%			INITIAL		FINAL	
Metals	Mean	Std. Dev.	True[2]	Observed	%R	Observed	%R
1. Aluminum							
2. Antimony							
3. Arsenic							
4. Barium			500	447	89	446	89
5. Beryllium							
6. Cadmium							
7. Calcium							
8. Chromium							
9. Cobalt							
10. Copper							
1 on							
12. Lead							
13. Magnesium							
14. Manganese							
15. Mercury							
16. Nickel							
17. Potassium							
18. Selenium							
19. Silver							
20. Sodium							
21. Thallium							
22. Vanadium							
23. Zinc							
Other:							

ean value based on n =_____.
rue value of EPA ICP Interference Check Sample or Contractor standard.
evision 0

Date July 1991

91CK1096.R6

EMS HERITAGE LABORATORIES, INC.
SPIKE SAMPLE RECOVERY

Q.C. REPORT NO. Q271
Form V

C156505-CrAA
C156766-6FAA
ple #: C156765-FAA

Q927539
Q928529
Lab Sample ID#: Q928522

Units: UG/L

COMPOUND	CONTROL LIMIT %R	SPIKED SAMPLE RESULT (SSR)	SAMPLE RESULT (SR)	SPIKED ADDED (SA)	%R[1]
METALS . Aluminum					
2. Antimony					
3. Arsenic	75-125	106	14	100	92
4. Barium	75-125	4979	4216	1000	76
5. Beryllium					
6. Cadmium	75-125	1050	BDL	1000	105
7. Calcium					
8. Chromium	75-125	781	BDL	1000	78
9. Cobalt					
10. Copper					
11. Iron					
12. Lead	75-125	980	BDL	1000	98
13. Magnesium					
14. Manganese					
15. Mercury **	75-125	1.38	BDL	1.47	93
16. Nickel					
17. Potassium					
18. Selenium	75-125	37 / 34	BDL	50	74 / 68 *
19. Silver	75-125	782	BDL	1000	78
20. Sodium					
21. Thallium					
22. Vanadium					
23. Zinc					
Other:					
(de					

% = [(SSR - SR)/SA] X 100
[1] = Out of control
NR* = Not required

* See Case Narrative
** C156765-67, C156769, C156812 only

Revision 0
Date July 1991

91CK1093.RS

Hg

C156768 ONLY

EMS HERITAGE LABORATORIES, INC.
SPIKE SAMPLE RECOVERY

Q.C. REPORT NO. 271
Form V

ple #: C156691 Lab Sample ID#: ~~Q927533~~ Q927535 Units: UG/L

COMPOUND	CONTROL LIMIT %R	SPIKED SAMPLE RESULT (SSR)	SAMPLE RESULT (SR)	SPIKED ADDED (SA)	%R[1]
METALS					
. Aluminum					
. Antimony					
. Arsenic					
. Barium					
. Beryllium					
. Cadmium					
7. Calcium					
3. Chromium					
9. Cobalt					
0. Copper					
1.					
2. Lead					
3. Magnesium					
14. Manganese					
15. Mercury	75-125	~~2.08~~ 1.23 cls	BDL	1.47	83
16. Nickel					
17. Potassium					
18. Selenium					
19. Silver					
20. Sodium					
21. Thallium					
22. Vanadium					
23. Zinc					
Other:					
(ide					

% = [(SSR - SR)/SA] X 100
[1] = Out of control
NR = Not required

Revision 0
Date July 1991

S1CK1083.R6

C156816 only

EMS HERITAGE LABORATORIES, INC.
SPIKE SAMPLE RECOVERY

Q.C. REPORT NO. 271
Form V

ple #: C156816 Lab Sample ID#: Q927523 Units: UG/L

COMPOUND	CONTROL LIMIT %R	SPIKED SAMPLE RESULT (SSR)	SAMPLE RESULT (SR)	SPIKED ADDED (SA)	%R[1]
METALS Aluminum					
Antimony					
Arsenic					
. Barium					
. Beryllium					
. Cadmium					
. Calcium					
. Chromium					
). Cobalt					
0. Copper					
1.					
2. Lead					
3. Magnesium					
4. Manganese					
5. Mercury	75-125	1.52	BDL	1.47	104
6. Nickel					
17. Potassium					
18. Selenium					
19. Silver					
20. Sodium					
21. Thallium					
22. Vanadium					
23. Zinc					
Other:					
C[illegible]ide					

% = [(SSR - SR)/SA] X 100
[1] = Out of control
NR" = Not required

Revision 0
Date July 1991

91CK1093.R8

EMS HERITAGE LABORATORIES, INC.
DUPLICATES

Q.C. REPORT NO. Q271

Form VI

nple #: C156505-CVAA
C156766-GFAA
C156765-FAA

Lab Sample ID#: Q927538
Q928528
Q928521

Units: UG/L

COMPOUND	CONTROL LIMIT[1]	SAMPLE(S)	DUPLICATE(D)	RPD[2]
METALS				
1. Aluminum				
2. Antimony				
3. Arsenic	<20	14	14	Ø
4. Barium	<20	BDL	BDL	NC
5. Beryllium				
6. Cadmium	<20	BDL	BDL	NC
7. Calcium				
8. Chromium	<20	BDL	BDL	NC
9. Cobalt				
10. Copper				
11 Iron				
1 ead	<20	BDL	BDL	NC
13. Magnesium				
14. Manganese				
15. Mercury	<20	BDL	BDL	NC
16. Nickel				
17. Potassium				
18. Selenium	<20	BDL	BDL	NC
19. Silver	<20	BDL	BDL	NC
20. Sodium				
21. Thallium				
22. Vanadium				
23. Zinc				
Other:				
anide				

* Out of control
[1]To be added at a later date
[2]RPD = [S - D /((S + D)/2)] X 100
NC = Non calculable RPD due to value(s) less than CRDL

Revision 0
Date July 1991

91CK1094.R6

C156768

EMS HERITAGE LABORATORIES, INC.
DUPLICATES

Q.C. REPORT NO. Q271
Form VI

nple #: C156691 Lab Sample ID#: Q927534 Units: UG/L

COMPOUND	CONTROL LIMIT[1]	SAMPLE(S)	DUPLICATE(D)	RPD[2]
METALS 1. Aluminum				
2. Antimony				
3. Arsenic				
4. Barium				
5. Beryllium				
6. Cadmium				
7. Calcium				
8. Chromium				
9. Cobalt				
10. Copper				
11. Iron				
ead				
13. Magnesium				
14. Manganese				
15. Mercury	<20	BDL	BDL	NC
16. Nickel				
17. Potassium				
18. Selenium				
19. Silver				
20. Sodium				
21. Thallium				
22. Vanadium				
23. Zinc				
Other:				
anide				

* Out of control
[1]To be added at a later date
[2]RPD = [S - D /((S + D)/2)] X 100
NC = Non calculable RPD due to value(s) less than CRDL

Revision 0
Date July 1991

91CK1004.R6

EMS HERITAGE LABORATORIES, INC.
DUPLICATES

C156816 only

Q.C. REPORT NO. 271
Form VI

nple #: C156816 Lab Sample ID#: 0927522 Units: UG/L

COMPOUND	CONTROL LIMIT[1]	SAMPLE(S)	DUPLICATE(D)	RPD[2]
METALS				
1. Aluminum				
2. Antimony				
3. Arsenic				
4. Barium				
5. Beryllium				
6. Cadmium				
7. Calcium				
8. Chromium				
9. Cobalt				
10. Copper				
1[illegible] Iron				
[illegible] ead				
13. Magnesium				
14. Manganese				
15. Mercury	<20	BDL	BDL	NC
16. Nickel				
17. Potassium				
18. Selenium				
19. Silver				
20. Sodium				
21. Thallium				
22. Vanadium				
23. Zinc				
Other:				
[illegible]yanide				

* Out of control
[1]To be added at a later date
[2]RPD = [S - D /((S + D)/2)] X 100
NC = Non calculable RPD due to value(s) less than CRDL

Revision 0
Date July 19[illegible]

91CK1004.R5

EMS HERITAGE LABORATORIES, INC.

INSTRUMENT DETECTION LIMITS AND
LABORATORY CONTROL SAMPLE

Q.C. REPORT NO. Q271
Form VII

COMPOUND	REQUIRED DETECTION LIMITS (CRDL)-ug/L	INSTRUMENT DETECTION LIMITS (IDL)-ug/L		LAB CONTROL SAMPLE ug/L mg/KG		
Metals		ICP/AA ID#	Furnace ID#	TRUE	FOUND	%R
1. Aluminum						
2. Antimony						
3. Arsenic	5		0.6	100	85	85
4. Barium	5000	3.2		1000	935	94
5. Beryllium						
6. Cadmium	50	7.9		1000	1040	104
7. Calcium						
8. Chromium	50	19		1000	950	95
9. Cobalt						
10. Copper						
11. Iron						
12. Lead	250	156		1000	1100	110
13. Magnesium						
14. Manganese						
15. Mercury	0.5	0.11		1.47	1.23	84
16. Nickel						
17. Potassium						
18. Selenium	10		1.6	50	54	108
19. Silver	50	12.7		1000	999	100
20. Sodium						
21. Thallium						
22. Vanadium						
23. Zinc						
Other:						
Cyanide		NR	NR			

ll ot required
Date July 1991
Revision 0

91CK1095.R6

EMS HERITAGE LABORATORIES, INC.

INSTRUMENT DETECTION LIMITS AND
LABORATORY CONTROL SAMPLE

Q.C. REPORT NO. 0271
Form VII

COMPOUND	REQUIRED DETECTION LIMITS (CRDL)-ug/L	INSTRUMENT DETECTION LIMITS (IDL)-ug/L		LAB CONTROL SAMPLE ug/L mg/KG		
Metals		ICP/AA ID#	Furnace ID#	TRUE	FOUND	%R
1. Aluminum						
2. Antimony						
3. Arsenic						
4. Barium						
5. Beryllium						
6. Cadmium						
7. Calcium						
8. Chromium						
9. Cobalt						
10. Copper						
11. Iron						
12. Lead						
13. Magnesium						
14. Manganese						
15. Mercury *	0.5	0.11		1.47	1.38	93
16. Nickel						
17. Potassium						
18. Selenium						
19. Silver						
20. Sodium						
21. Thallium						
22. Vanadium						
23. Zinc						
Other:						
Cyanide		NR	NR			

! ot required
Date July 1991
Revision 0

91CK1095.R6

EMS HERITAGE LABORATORIES, INC.

C156816

INSTRUMENT DETECTION LIMITS AND
LABORATORY CONTROL SAMPLE

Q.C. REPORT NO. Q271
Form VII

COMPOUND	REQUIRED DETECTION LIMITS (CRDL)-ug/L	INSTRUMENT DETECTION LIMITS (IDL)-ug/L		LAB CONTROL SAMPLE ug/L mg/KG		
Metals		ICP/AA ID#	Furnace ID#	TRUE	FOUND	%R
1. Aluminum						
2. Antimony						
3. Arsenic						
4. Barium						
5. Beryllium						
6. Cadmium						
7. Calcium						
8. Chromium						
9. Cobalt						
10. Copper						
11. Iron						
12. Lead						
13. Magnesium						
14. Manganese						
15. Mercury	0.5	0.11		1.47	1.48	101
16. Nickel						
17. Potassium						
18. Selenium						
19. Silver						
20. Sodium						
21. Thallium						
22. Vanadium						
23. Zinc						
Other:						
Cyanide		NR	NR			

ll ot required
Date July 1991
Revision 0

91CK1095.R6

Not Applicable

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): _____ Level (low/med): _____

Concentration Units: ug/L

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

EMS HERITAGE LABORATORIES, INC.
HOLDING TIMES

Q.C. REPORT NO. 271
Form X

EPA SAMPLE NO.	MATRIX	DATE RECEIVED	MERCURY PREP DATE	MERCURY HOLDING TIME[1] (Days)	CN PREP DATE	CN HOLDING TIME[1] (Days)
C156765	TCLP	5-19-94	5-26-94	7		
C156766	↓	↓	↓	↓		
C156767	↓	↓	5-26-94	↓		
C156768	↓	↓	5-25-94	6		
C156769	↓	↓	5-26-94	7		
C156812	↓	↓	↓	↓		
C156813	↓	↓	↓	↓		
C156815	↓	↓	↓	↓		
C156816	↓	↓	5-24-94	5		

[1]Holding time is defined as number of days between the date received and the sample preparation date.

I on 0

Date July 1991

91CK1099.R6

Form XI

INSTRUMENT DETECTION LIMITS

LAB NAME HERITAGE LABORATORIES DATE 7/11/94

ICP/Flame AA (Circle One) Model Number 2380 Furnace AA Number 5100

Element	Wavelength (nm)	IDL (ug/L)	Element	Wavelength (nm)	IDL (ug/L)
1. Aluminum			13. Magnesium		
2. Antimony			14. Manganese		
3. Arsenic	193.7	0.6	15. Mercury	253.7	0.11
4. Barium	493.4		16. Nickel		
5. Beryllium			17. Potassium		
6. Cadmium	228.8	7.9	18. Selenium	196.0	1.6
7. Calcium			19. Silver	328.1	12.7
8. Chromium	357.9	19	20. Sodium		
9. Cobalt			21. Thallium		
10. Copper			22. Vanadium		
11. Iron			23. Zinc		
12. Lead	283.3	156			

Footnotes:
- Indicate the instrument for which the IDL applies with a "P" (for ICP an "A" (for Flame AA), or an "F" (for Furnace AA) behind the IDL valu
- Indicate elements commonly run with background correction (AA) with a "B" behind the analytical wavelength.
- If more than one ICP/Flame or Furnace AA is used, submit separate Forms XI-XIII for each instrument.

COMMENTS: _____

Lab Manager _____

Revision 0
Date September 1986

Form XI

INSTRUMENT DETECTION LIMITS

LAB NAME HERITAGE LABORATORIES DATE 7/15

ICP/Flame AA (Circle One) Model Number 61E Furnace AA Number ____

Element	Wavelength (nm)	IDL (ug/L)	Element	Wavelength (nm)	IDL (ug/L)
1. Aluminum	308.2	25	13. Magnesium	279.0	31
2. Antimony	206.8	36	14. Manganese	257.6	1.7
3. Arsenic	193.6	54	15. Mercury	184.9	
4. Barium	493.4	2.4	16. Nickel	231.6	6.4
5. Beryllium	313.0	0.11	17. Potassium	766.4	120
6. Cadmium	226.5	2.5	18. Selenium	196.0	44
7. Calcium	317.9	29	19. Silver	328.0	3.4
8. Chromium	267.7	8.3	20. Sodium	588.9	217
9. Cobalt	228.6	2.0	21. Thallium	190.8	39
10. Copper	324.7	4.8	22. Vanadium	292.4	3.4
11. Iron	259.9	31	23. Zinc	213.8	7.4
12. Lead	220.3	43			

Footnotes:
- Indicate the instrument for which the IDL applies with a "P" (for ICP an "A" (for Flame AA), or an "F" (for Furnace AA) behind the IDL valu
- Indicate elements commonly run with background correction (AA) with a "B" behind the analytical wavelength.
- If more than one ICP/Flame or Furnace AA is used, submit separate Forms XI-XIII for each instrument.

COMMENTS: Sr 421.5nm

Lab Manager ____

Revision 0
Date September 1986

Form XIII

ICP Linear Ranges

LAB NAME HERITAGE LABORATORIES ICP Model Number 61E ITA

DATE 7/18/94

Analyte	Integration Time (Seconds)	Concen-tration (ug/L)	Analyte	Integration Time (Seconds)	Concen-tration (ug/L)
1. Aluminum	8.0	500,000	13. Magnesium	8.0	1,000,000
2. Antimony		100,000	14. Manganese		500,000
3. Arsenic		200,000	15. Mercury		
4. Barium		300,000	16. Nickel		500,000
5. Beryllium		100,000	17. Potassium		500,000
6. Cadmium		1,000,000	18. Selenium		200,000
7. Calcium		500,000	19. Silver		100,000
8. Chromium		500,000	20. Sodium		500,000
9. Cobalt		800,000	21. Thallium		300,000
10. Copper		200,000	22. Vanadium		200,000
11. Iron		400,000	23. Zinc		200,000
12. Lead		300,000			

Footnotes: • Indicate elements not analyzed by ICP with the notation "NA".

COMMENTS: _____

Lab Manager _____

Revision 0
Date September 1986

HERITAGE

CASE NARRATIVE
METALS

This Case Narrative applies to the following samples;

C156876 - C156882

Antimony and Thallium are not listed on Form IV Interference Check Sample as these elements are not found in the CLP ICS standard mix.

No serial dilutions were required as no sample value for the elements reported met the serial dilution criteria.

No further anomalies or deviations from method protocols were noted.

Christine Sarkan
Quality Assurance Officer

recycled paper

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: HERITAGE LABORATORIES Contract: _____

Lab Code: _____ Case No.: Q271 SAS No.: _____ SDG No.: _____

SOW No.: _____

EPA Sample No.	Lab Sample ID.
	C156876
	C156877
	C156878
	C156881
	C156882

Were ICP interelement corrections applied? Yes/No ___

Were ICP background corrections applied? Yes/No ___

If yes-were raw data generated before application of background corrections? Yes/No ___

Comments:

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

Signature: _____ Name: _____

Date: _____ Title: _____

EMS HERITAGE LABORATORIES, INC.
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Q.C. REPORT NO. Q271
Form II

COMPOUND	INITIAL CALIBRATION[1]			CONTINUING CALIBRATION[2]					
Metals	True Value	Found	%Rec	True Value	Found	%Rec	Found	%Rec	Method[3]
1. Aluminum									
2. Antimony	400	398	100	1000	990	99	992	99	P
3. Arsenic	20	21.6	108	20	19.1	96	18.4 / 21.8	92 / 109	F
4. Barium									
5. Beryllium	400	379	95	5000	4970	99	4950	99	P
6. Cadmium	400	403	101	5000	5100	102	5080	102	P
7. Calcium									
8. Chromium	400	403	101	5000	5080	102	5080	102	P
9. Cobalt									
10. Copper	400	405	101	5000	5050	101	5100	102	P
11. Iron									
12. Lead	400	415	104	5000	5040	101	5030	101	P
13. Magnesium									
14. Manganese									
15. Mercury	2.0	2.0	100	2.0	1.97	98	2.08 / 2.07	104 / 104	C
16. Nickel	2500	2589	104	5000	5125	102	5131	103	P
17. Potassium									
18. Selenium	20	21.4	107	20	18.9	95	19.6 / 19.7	98 / 99	F
19. Silver	2000	2084	104	1000	991	91	1007	101	P
20. Sodium									
21. Thallium	400	439	110	5000	5070	101	5100	102	P
22. Vanadium									
23. Zinc	400	408	102	5000	5070	101	5060	101	P
Other:									
AS*	20	20.5	103	20	20.2	101	20.6	103	F

* C156876 ONLY

[1] Calibration Source

[2] Continuing Calibration Source _____

Indicate Analytical Method Used: P=ICP, A=Flame AA, F=Furnace AA, C=Cold Vapor

Revision 0 Date July 1991

91CK1091.R6

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: HERITAGE LABS Contract: _____

Lab Code: _____ Case No.: Q271 SAS No.: _____ SDG No.: _____

AA CRDL Standard Source: _____

ICP CRDL Standard Source: _____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
					Initial		Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum								
ntimony			-	240	274	114	223	93
rsenic	20	20	100					
Barium								
Beryllium				20	20.4	102	20	100
Cadmium				20	21.4	107	22.6	113
Calcium								
Chromium				40	44.8	112	42.7	107
Cobalt								
Copper				100	106	106	109	109
Iron								
Lead				112	80.6	72	41	37
Magnesium								
Manganese								
Mercury	1.0	1.04	104					
Nickel	~~20~~			~~200~~ 100	182	~~149~~	189	118
Potassium								
Selenium	20	21.2	106					
Silver				40	43.8	110	44.6	112
Sodium								
Thallium				140	156	111	168	120
Vanadium								
Zinc				80	87.6	110	86.0	108
As *	20	20.3	102	~~80~~	~~87.6~~	~~110~~	~~86.0~~	~~108~~

* C156876 ONLY

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EMS HERITAGE LABORATORIES, INC.
BLANKS

Q.C. REPORT NO. 271
Form III

Units UG/L

COMPOUND	INITIAL CALIBRATION	CONTINUING CALIBRATION BLANK VALUE				PREPARATION BLANK Matrix	Matrix
Metals:	BLANK VALUE	1	2	3	4	1	2
1. Aluminum							
2. Antimony	BDL	BDL	BDL			BDL	
3. Arsenic	BDL	BDL	BDL	BDL		BDL	
4. Barium							
5. Beryllium	BDL	BDL	BDL			BDL	
6. Cadmium	BDL	BDL	BDL			BDL	
7. Calcium							
8. Chromium	BDL	BDL	BDL			BDL	
9. Cobalt							
10. Copper	BDL	BDL	BDL			BDL	
11. Iron							
12. Lead	BDL	BDL	BDL			BDL	
13. Magnesium							
14. Manganese							
15. Mercury	BDL	BDL	BDL	BDL		BDL	
16. Nickel	BDL	BDL	BDL			BDL	
17. Potassium							
18. Selenium	BDL	BDL	BDL	BDL		BDL	
19. Silver	BDL	BDL	BDL			BDL	
20. Sodium							
21. Thallium	BDL	BDL	BDL			BDL	
22. Vanadium							
23. Zinc	BDL	BDL	BDL			BDL	
Other:							
As*	BDL	BDL	BDL				

*C156876 only

orting Units: aqueous, ug/L; solid mg/Kg

Revision 0 Date July 1991

91CK1092.R6

EMS HERITAGE LABORATORIES, INC.
ICP INTERFERENCE CHECK SAMPLE

Q.C. REPORT NO. 271
Form IV

ıeck Sample ID#:_____ Check Sample Source:_____ Units: ug/L

COMPOUND	CONTROL LIMITS[1] 20%			INITIAL		FINAL	
Metals	Mean	Std. Dev.	True[2]	Observed	%R	Observed	%R
1. Aluminum							
2. Antimony							
3. Arsenic							
4. Barium							
5. Beryllium			500	466	93	458	92
6. Cadmium			1000	955	96	938	94
7. Calcium							
8. Chromium			500	499	100	492	98
9. Cobalt							
10. Copper			500	502	100	498	100
on							
12. Lead			1000	880	88	866	87
13. Magnesium							
14. Manganese							
15. Mercury							
16. Nickel			1000	942	94	994	99
17. Potassium							
18. Selenium							
19. Silver			1000	1015	102	1020	102
20. Sodium							
21. Thallium							
22. Vanadium							
23. Zinc			1000	1000	100	980	98
Other:							

lean value based on n =_____.
rue value of EPA ICP Interference Check Sample or Contractor standard.
:evision 0

Date July 1991

91CK1096.R6

EMS HERITAGE LABORATORIES, INC.
SPIKE SAMPLE RECOVERY

Q.C. REPORT NO. 271
Form V

C156877 - Hg
C156881 - GFAA
ple #: C156878 - FAA

Q930603
Q930651
Lab Sample ID#: Q933334

Units: UG/L

COMPOUND	CONTROL LIMIT %R	SPIKED SAMPLE RESULT (SSR)	SAMPLE RESULT (SR)	SPIKED ADDED (SA)	%R[1]
METALS . Aluminum					
. Antimony	75-125	878	BDL	1000	88
. Arsenic	75-125	105	BDL	100	105
. Barium					
. Beryllium	75-125	896	BDL	1000	90
. Cadmium	75-125	939	BDL	1000	94
. Calcium					
. Chromium	75-125	958	BDL	1000	96
. Cobalt					
0. Copper	75-125	958	BDL	1000	96
1.					
2. Lead	75-125	914	BDL	1000	91
3. Magnesium					
14. Manganese					
15. Mercury	75-125	1.26	BDL	1.47	86
16. Nickel	75-125	1000	BDL	943	94
17. Potassium					
18. Selenium	75-125	44	BDL	50	88
19. Silver	75-125	915	BDL	1000	92
20. Sodium					
21. Thallium	75-125	975	BDL	1000	98
22. Vanadium					
23. Zinc	75-125	949	BDL	1000	95
Other:					
(de					

% = [(SSR - SR)/SA] X 100
* = Out of control
NR* = Not required

Revision 0
Date July 1991

91CK1093.R6

EMS HERITAGE LABORATORIES, INC.
DUPLICATES

Q.C. REPORT NO. 271

Form VI Q930602
Q930650

nple #: C156877 - CVAA
C156881 - GFAA
C156878 - FAA

Lab Sample ID#: Q933333

Units: UG/L

COMPOUND	CONTROL LIMIT[1]	SAMPLE(S)	DUPLICATE(D)	RPD[2]
METALS 1. Aluminum				
2. Antimony	<20	BDL	BDL	NC
3. Arsenic	<20	BDL	BDL	NC
4. Barium				
5. Beryllium	<20	BDL	BDL	NC
6. Cadmium	<20	BDL	BDL	NC
7. Calcium				
8. Chromium	<20	BDL	BDL	NC
9. Cobalt				
10. Copper	<20	BDL	BDL	NC
11. Iron				
1 ead	<20	BDL	BDL	NC
13. Magnesium				
14. Manganese				
15. Mercury	<20	BDL	BDL	NC
16. Nickel	<20	BDL	BDL	NC
17. Potassium				
18. Selenium	<20	BDL	BDL	NC
19. Silver	<20	BDL	BDL	NC
20. Sodium				
21. Thallium	<20	BDL	BDL	NC
22. Vanadium				
23. Zinc	<20	BDL	BDL	NC
Other:				
anide				

* Out of control
[1] To be added at a later date
[2] RPD = [S - D /((S + D)/2)] X 100
NC = Non calculable RPD due to value(s) less than CRDL

Revision 0
Date July 1991

91CK1094.R5

EMS HERITAGE LABORATORIES, INC.

INSTRUMENT DETECTION LIMITS AND
LABORATORY CONTROL SAMPLE

Q.C. REPORT NO. 271
Form VII

COMPOUND	~~REQUIRED~~ Reported DETECTION LIMITS (CRDL)-ug/L	INSTRUMENT DETECTION LIMITS (IDL)-ug/L		LAB CONTROL SAMPLE ug/L mg/KG		
Metals		ICP/AA ID #	Furnace ID #	TRUE	FOUND	%R
1. Aluminum						
2. Antimony	50	36		1000	940	94
3. Arsenic	10		0.6	100	103	103
4. Barium						
5. Beryllium	5.0	0.11		1000	896	90
6. Cadmium	5.0	2.5		1000	943	94
7. Calcium						
8. Chromium	10	8.3		1000	966	97
9. Cobalt						
10. Copper	20	4.8		1000	963	96
11. Iron						
12. Lead	50	43		1000	0.918	92
13. Magnesium						
14. Manganese						
15. Mercury	0.5	0.11		1.47	1.67	114
16. Nickel	10	6.4		1000	947	95
17. Potassium						
18. Selenium	10		1.6	50	48	96
19. Silver	10	3.4		1000	849	85
20. Sodium						
21. Thallium	300	39		1000	953	95
22. Vanadium						
23. Zinc	20	7.4		1000	929	93
Other:						
Cyanide		NR	NR			

ll ot required
)ate July 1991
levision 0

91CK1095.R6

"NOT Applicable"

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): _____ Level (low/med): _____

Concentration Units: ug/L

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

EMS HERITAGE LABORATORIES, INC.
HOLDING TIMES

Q.C. REPORT NO. Q271
Form X

EPA SAMPLE NO.	MATRIX	DATE RECEIVED	MERCURY PREP DATE	MERCURY HOLDING TIME[1] (Days)	CN PREP DATE	CN HOLDING TIME[1] (Days)
C156876	water	5-23-94	5-26-94	3		
C156877	↓	↓	↓	↓		
C156878	↓	↓	↓	↓		
C156881	↓	↓	↓	↓		
C156882	↓	↓	↓	↓		

[1]Holding time is defined as number of days between the date received and the sample preparation date.

I on 0

Date July 1991

91CK1000.R6

Form XI

INSTRUMENT DETECTION LIMITS

LAB NAME HERITAGE LABORATORIES DATE 8/2/94

ICP/Flame AA (Circle One) Model Number PE 2380 Furnace AA Number PE 5100

Element	Wavelength (nm)	IDL (ug/L)	Element	Wavelength (nm)	IDL (ug/L)
1. Aluminum			13. Magnesium		
2. Antimony			14. Manganese		
3. Arsenic	193.6	0.6	15. Mercury	253.7	0.11
4. Barium			16. Nickel		
5. Beryllium			17. Potassium		
6. Cadmium			18. Selenium	196.0	1.6
7. Calcium			19. Silver		
8. Chromium			20. Sodium		
9. Cobalt			21. Thallium		
10. Copper			22. Vanadium		
11. Iron			23. Zinc		
12. Lead					

Footnotes:
- Indicate the instrument for which the IDL applies with a "P" (for ICP an "A" (for Flame AA), or an "F" (for Furnace AA) behind the IDL valu
- Indicate elements commonly run with background correction (AA) with a "B" behind the analytical wavelength.
- If more than one ICP/Flame or Furnace AA is used, submit separate Forms XI-XIII for each instrument.

COMMENTS: _____

Lab Manager _____

Revision 0
Date September 1986

Form XI

INSTRUMENT DETECTION LIMITS

LAB NAME HERITAGE LABORATORIES DATE 7/15

ICP/Flame AA (Circle One) Model Number 61E Furnace AA Number ____

Element	Wavelength (nm)	IDL (ug/L)	Element	Wavelength (nm)	IDL (ug/L)
1. Aluminum	308.2	25	13. Magnesium	279.0	31
2. Antimony	206.8	36	14. Manganese	257.6	1.7
3. Arsenic	193.6	54	15. Mercury	184.9	
4. Barium	493.4	2.4	16. Nickel	231.6	6.4
5. Beryllium	313.0	0.11	17. Potassium	766.4	120
6. Cadmium	226.5	2.5	18. Selenium	196.0	44
7. Calcium	317.9	29	19. Silver	328.0	3.4
8. Chromium	267.7	8.3	20. Sodium	588.9	217
9. Cobalt	228.6	2.0	21. Thallium	190.8	39
10. Copper	324.7	4.8	22. Vanadium	292.4	3.4
11. Iron	259.9	31	23. Zinc	213.8	7.4
12. Lead	220.3	43			

Footnotes:
- Indicate the instrument for which the IDL applies with a "P" (for ICP an "A" (for Flame AA), or an "F" (for Furnace AA) behind the IDL valu
- Indicate elements commonly run with background correction (AA) with a "B" behind the analytical wavelength.
- If more than one ICP/Flame or Furnace AA is used, submit separate Forms XI-XIII for each instrument.

COMMENTS: Sr 421.5nm

Lab Manager ____

Revision 0
Date September 1986

Form XIII

ICP Linear Ranges

LAB NAME HERITAGE LABORATORIES ICP Model Number 61E ITA

DATE 7/18/94

Analyte	Integration Time (Seconds)	Concen-tration (ug/L)	Analyte	Integration Time (Seconds)	Concen-tration (ug/L)
1. Aluminum	8.0	500,000	13. Magnesium	8.0	1,000,000
2. Antimony		100,000	14. Manganese		500,000
3. Arsenic		200,000	15. Mercury		
4. Barium		300,000	16. Nickel		500,000
5. Beryllium		100,000	17. Potassium		500,000
6. Cadmium		1,000,000	18. Selenium		200,000
7. Calcium		500,000	19. Silver		100,000
8. Chromium		500,000	20. Sodium		500,000
9. Cobalt		800,000	21. Thallium		300,000
10. Copper		200,000	22. Vanadium		200,000
11. Iron		400,000	23. Zinc		200,000
12. Lead		300,000			

Footnotes: • Indicate elements not analyzed by ICP with the notation "NA".

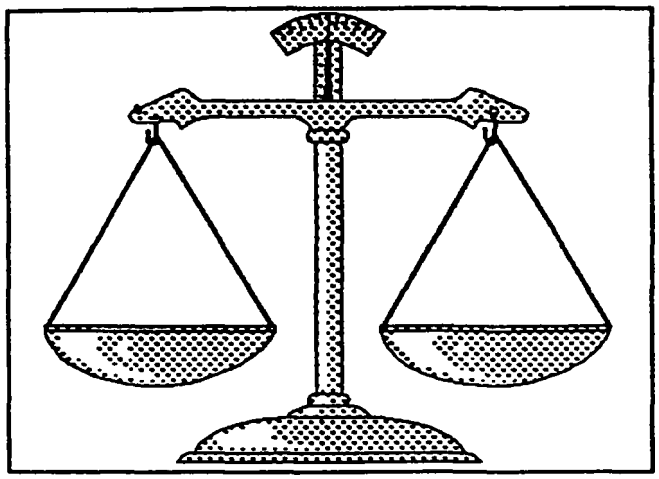
COMMENTS: _____

Lab Manager _____

Revision 0
Date September 1986

ANALYSIS RUN: R218567

RUN NUMBER: 10016



TEST: Hg 460

ANALYST: Jn 2520

DATE: 5 / 27 / 94

INSTRUMENT: ~~#2~~ #97-1

Jn 5-27-94

Reprep_____(complete)

Reprep_____(incomplete)

COMMENTS: _____

91CK1072.R6

PAGE: 1 OF 7

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER: R218567

TEST:

REVIEWER: Cls

ELEMENT: Hg 460

DATE: 5/27/

INSTRUMENT: 97 1

RECORDER: Cls

WAVELENGTH: 253.7

DATE: 5/27/

ANALYST: Jn 2320

CALIBRATION CURVE: 0 0.0005 0.001 0.002 0.003 0.004

C.C.: 0.998

DATE: 5/27/94

ABSORBANCE: 0.001 0.013 0.025 0.051 0.077 0.110 mg/l

SLOPE: 0.037

Y INTERCEPT: 0.00004

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.053	✓	ICV01		0.002	0.00200	mg/l	0.0005	100%				
0.001	✓	Bla01			BDL							
0.027	✓	CDL		0.001	0.00104			104%				
0.056	✓	CCV		0.002	0.00211			106%				
0.000	✓	Bla01			BDL							
0.036	✓	LCS	Q927532	0.00147	0.00138	mg/l	0.0005	93%			100 mk	
0.000	✓	Bla02	Q927533		BDL		0.0005					
0.000 / 0.024	✓	C156691	MG 26.6	BDL / 0.001	BDL / 0.00093		0.005	93%		10 mk		
0.000 / 0.024	✓	dup 691	Q927534	BDL	BDL			0% rpd				
0.032	✓	Spi 691	Q927535	0.00123	BDL / 0.00123			83%				
0.055	✓	CCV		0.002	0.00205		0.0005	104%				
0.001	✓	Bla01			BDL							
0.052		~~C156706~~				Inv						Repup Sample

-7/94

000087

91CK1066.R6

PAGE: 2 OF 4

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Hg 460

DATE: / /

INSTRUMENT: 97-1

RECORDER:

WAVELENGTH: 253.7

DATE: /

ANALYST: JN 2520

CALIBRATION CURVE:

C.C.:

ABSORBANCE:

SLOPE:

Y INTERCEPT:

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.001 / 0.025	✓	C156707	MB20.6	BDL / 0.001	BDL (0.0000) / 0.00097	mg/L	0.005	97 %		10 mls	100 mls	
0.001 / 0.026	✓	C156717	MB20.6	BDL / 0.001	(0.0000) BDL / 0.00100			100 %				
0.001 / 0.027	✓	C156715		BDL / 0.001	(0.0000) BDL / 0.00104			104 %				
0.000 / 0.024	✓	C156719		BDL / 0.001	(0.0000) BDL / 0.00093			93%				
0.000 / 0.026	✓	C156768		BDL / 0.001	(0.0000) BDL / 0.00100			100 %				
0.055	✓	CCL	0.002	0.002	0.00208		0.0005	104%				
0.000	✓	Blank1			BDL							
0.034	✓	LCS	Q927520	0.00147	0.00148		0.0005	101%			100mls	
0.002	✓	Blank	Q927521		BDL							
0.001 / 0.025	✓	C156816	MB20.6	BDL / 0.001	(0.0000) BDL / 0.00097		0.005	97%		10 mls		
0.000 / 0.023	✓	dup 816	Q927522	BDL	BDL			0%rpd				
0.040	✓	Spk 816	Q927523	0.00147	BDL / 0.00152			104%				
0.001 / 0.021	✓	C156863 ~~BDL~~	MB20.6	BDL / 0.001	(0.0000) BDL / 0.00097			97%				

JN 5-27-94

91CK1066.R6

000038

PAGE: 3 OF 7

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Hg 460

DATE: / /

INSTRUMENT: 97-1

RECORDER:

WAVELENGTH: 253.7

DATE: / /

ANALYST: Jn 2520

CALIBRATION CURVE:

C.C.:

DATE: 5 / 27 / 94

ABSORBANCE:

SLOPE:

Y INTERCEPT:

000089

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.051	✓	CCV		0.002	0.00193	mg/L	0.0001	96%				
0.002	✓	Blank1			BDL							
0.040	✓	LCS	Q924771	0.00197	0.00152			103% Jn 5/27/94			100 mls	
0.001	✓	Blank2	Q924773		BDL							
0.000 / 0.025	✓	C156711	MB20.6	BDL / 0.001	(0.0000) BDL / 0.00097	mg/L	0.001	97%		10 mls		
0.001 / 0.029	✓	dup 711	Q924774	BDL	BDL			0% RPD				
0.034	✓	Spk 711	Q924775	0.00197	BDL / 0.0013			88%				
0.021	X	MSP 711	QC only	0.01	BDL / 0.00052			80%				QC only
0.052	✓	CCV		0.002	0.00197		0.0001	98%				
0.002	✓	Blank1			BDL							
0.001 / 0.023	✓	C156712	MB20.6	BDL / 0.00	BDL / 0.00089		0.001	89%		10 mls	100 mls	
0.001 / 0.025	✓	C156714		BDL / 0.001	BDL / [illegible]			97%				
0.001 / 0.025	✓	C156715		BDL / [illegible]	[illegible]			97%				

91CK1066.R6

PAGE: 4 OF 7

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Hg 460

DATE: / /

INSTRUMENT: 97-1

RECORDER:

WAVELENGTH: 253.7

DATE: /

ANALYST: Jn 2520

CALIBRATION CURVE:

C.C.:

DATE: 5 / 27 / 94

ABSORBANCE:

SLOPE:

Y INTERCEPT:

000090

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.001 / 0.024	✓	C156716	BDL / 0.001	BDL 0.00007 / 0.00100		mg/L	0.005 ~~0.0005~~	100%		10 mls	100 mls	
0.052	✓	CCV		0.0020	0.00191		0.0005	95%				
0.001	✓	Blaci			BDL							
0.044	✓	LCS	Q930600	0.00147	0.00167 ~~0.0017~~			114%			100 mls	
0.001	✓	Blacz	Q930601		BDL							
0.001	✓	C156877	M120.1		BDL	mg/L	0.0005			100 mls		
0.001	✓	dup 877	Q930602	BDL	BDL			0% rp.1				
0.033	✓	Spo 877	Q930603	0.00147	BDL / 0.00126			86%				
0.055	✓	CCV		0.0020	0.00207			104%				
0.001	✓	Blaci			BDL							
0.000	✓	C156878	M120.1		BDL					100 mls	100 mls	
0.001	✓	C156881	[illegible]		BDL							
0.001	✓	C156882			BDL							

91CK1066.R6

PAGE: 5 OF 7

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Hg 460

DATE: / /

INSTRUMENT: 47-1

RECORDER:

WAVELENGTH: Jn 5/27/94 ~~11~~ 253.7

DATE: /

ANALYST: Jn 2520

CALIBRATION CURVE:

C.C.:

DATE: 5 / 27 / 94

ABSORBANCE:

SLOPE:

Y INTERCEPT:

000091

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.002	✓	C156~~882~~ 96 [illegible]	M1[illegible]		BDL	mg/L	0.0005			100 mls	100 mls	
0.051	✓	CCV		0.002	0.00207			104 %				
0.000	✓	Blaa1			BDL							
0.073	X	LCS	Q[illegible]	0.00147	0.00244			186 %				Reprep
0.000	X	Blaa2	Q[illegible]		BDL							
0.051	X	C156955	Jn 5/27/94									
0.053	✓	CCV		0.002	0.00200	mg/L	0.0005	100 %				
0.001	✓	Bl201			BDL						100 mls	
0.032	✓	LCS	Q927536	0.00147	0.00123			83 %				
0.002	✓	Bl202	Q927537		BDL							
0.001 / 0.024	✓	C156[illegible]	M[illegible]	BDL / 0.001	(0.0000) BDL / 0.00[illegible]		0.005	93 %		10 mls	100 mls	
0.001 / 0.025	✓	[illegible]	Q[illegible]	BDL	BDL		~~0.000~~ 0.005 Jn 5-27-94	0 % cpd				
0.036	✓	Spo[illegible]	Q[illegible]	0.00144	BDL / 0.00138		0.005	93 %				

91CK1066.R6

PAGE: 6 OF 7

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Hg 460

DATE: / /

INSTRUMENT: 97-1

RECORDER:

WAVELENGTH: 253.7

DATE: / /

ANALYST: Jn 2520

CALIBRATION CURVE:

C.C.:

DATE: 5 / 27 / 94

ABSORBANCE:

SLOPE:

Y INTERCEPT:

000092

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.049	✓	CCV		0.002	0.00185	mg/L	0.0005	93%				
0.000	✓	Blaci			BDL							
0.003 / 0.027	✓	C156588	M 630.6	BDL / 0.001	(0.0001) BDL / 0.00109		0.005	109%		10 mls	100 mls	
0.004 / 0.027	✓	C156765		BDL / 0.001	(0.0001) BDL / 0.00109			109%				
0.001 / 0.024	✓	C156766		BDL / 0.001	(0.0000) BDL / 0.00093			93%				
0.001 / 0.025	✓	C156767		BDL / 0.001	(0.0000) BDL / 0.00096			97%				
0.053	✓	CCV		0.002	0.00200		0.0005	100%				
0.000	✓	Blaci			BDL							
0.001 / 0.025		C156769	M 630.6	BDL / 0.001	(0.0000) BDL / 0.000966		0.005	97%		10 mls	100 mls	
0.000 / 0.026	✓	C156812		BDL / 0.001	(0.0000) BDL / 0.00100			100%				
0.000 / 0.029	✓	C156813		BDL / 0.001	(0.0000) BDL / 0.00111			111%				
0.000 / 0.024	✓	C156815		BDL / 0.001	BDL / 0.00093			93%				
0.043	✓	CCV		0.002	0.00163		0.0005	82%				

91CK1066.R6

METALS, ATOMIC SPECTROSCOPY

TEST:

ELEMENT: Hg

INSTRUMENT: 97-1

WAVELENGTH: 253.7

ANALYST: Jm 2520

DATE: 5 / 27 / 94

CALIBRATION CURVE:

ABSORBANCE:

REVIEWER:

DATE: / /

RECORDER:

DATE: / /

C.C.:

SLOPE:

Y INTERCEPT:

000093

CONC.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.001	✓	B1401		BDL	BDL	mg/L	0.0005					
0.021	✓	CDL		~~0.001~~ ~~0.002~~	0.00082		↓	82%				
				Jm [illegible]								

91CK1066.R6

Spioz	476	0.034	
Spioz	2711	0.021	
ccv	2	0.052	
Blaol	0	-0.002	
C156	712	-0.001	
ipt	1	0.023	
C156	714	-0.001	
	1	0.025	ipt
C156	715	0.001	
	1	0.025	ipt
C156	716	0.001	
	11	0.026	ipt
ccv	2	0.052	
Blaol	0	-0.001	
ccs	600	0.044	
Blaoz	601	0.001	
C156	877	0.001	
dup	602	0.002	
Spi	603	0.033	
ccv	2	0.055	
Blaol	0	-0.001	
C156	878	0.000	
C156	881	0.001	
C156	882	0.001	
C156	876	0.002	
	2	0.055	ccv
	0	0.000	Blaol
ccs	604	0.073	Repup Spiz/2/Blaol
Blaoz	605	-0.000	
C156	955	0.051	
ccv	2	0.053	
Blaol	0	-0.001	
ccs	536	0.032	
Blaoz	537	0.002	
C156	505	0.001	
	1	0.024	ipt
dup	538	0.001	
	1	0.025	ipt
Spioz	539	0.036	
	2	0.049	ccv
	0	0.000	Blaol
C156	588	0.003	
	1	0.027	ipt
C156	765	0.004	ipt
	1	0.027	
C156	766	-0.001	
	1	0.024	ipt
C156	767	0.001	ipt
	1	0.025	
	2	0.053	ccv
	0	-0.000	Blaol
C156	769	-0.001	
	1	0.025	ipt
C156	812	-0.000	
	1	0.026	ipt
C156	813	0.000	
	1	0.029	ipt
C156	815	0.000	
	1	0.024	ipt
ccv	2	0.043	
Blaol	[illegible]	[illegible]	

Hg Jn 5/27/94

	0	0.000	
		0.000	Z
	0	-0.001	
	5	0.013	
	1	0.025	
	2	0.051	
	3	0.077	
	4	0.110	
	2	0.053	
	0	-0.001	
	1	0.027	
	2	0.056	
	0	-0.000	
LCS	532	0.036	
Blaa2	533	0.000	
C156	681	-0.000	
ipt	1	0.024	
dup	534	0.000	
ipt	1	0.024	
Spi02	735	0.032	
ccv	2	0.055	
Blac1	-0.001		
C156	706	0.052	
C156	707	-0.001	
ipt	1	0.025	
C156	717	0.001	
ipt	1	0.120	
	1	0.026	
C156	718	-0.001	
ipt	1	0.027	
C156	719	-0.000	
ipt	1	0.024	
C156	768	0.000	
ipt	1	0.026	
ccv	2	0.055	
Blac1	0	-0.000	
CLCS	520	0.039	
Blac2	521	0.002	
C156	816	0.001	
ipt	1	0.025	
dup	522	-0.000	
ipt	~~523~~	0.023	Jn 5/27/94
spi	523	0.040	
C156	863	0.001	
ipt	1	0.025	
ccv	2	0.051	
Blac1	0	-0.002	
LCS	472	0.040	
Blac2	473	-0.001	
C156	711	-0.000	
ipt	1	0.025	
dup	474	-0.001	
ipt	~~475~~	0.027	Jn 5-27/94

PAG 1 OF 1

METALS, PREP

RUN NO.: Q217758

ANALYST: MS 3310

REVIEWER: [illegible]

RECORDER: [illegible]

DATE: 5/23/94

DATE: 5/24/94

DATE: 5/27/94

SET NO.: M3853A

ACID NO.: MP566, MP597, M348, F051194A

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q927511	100ml	100ml		100ml M288
BLA02	Q927512	↓			
C156505	P131.9.1	10ml			
DUP02	Q927513	① ②	① ②	① ②	① ②
SPI02	Q927514	① ②	① ②	① ②	① 100 ml M288 ② 100 ml M288
C156588	P131.9.1				
C156765	P131.9				
C156766					
C156767					
C156768					
C156769					
C156812					
C156813					
C156815					
					BAXTER WATERBATH

000096

91CK1034.R'

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METALS, PREP

RUN NO.: R217888

ANALYST: JJU 2860

REVIEWER: Jn 2520

RECORDER: DSC

DATE: 5/21/94

DATE: 5/23/94

DATE: 5/23/94

SET NO.: 1842A

ACID NO.: MP614

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q928321	50ml	50ml		50ml (051394A)
BLA02	Q928322				
✓G156711	P130.9				
DUP02	Q928323				
SPI02	Q928324				500ml (051994B + Cr)
DPS02	Q928325				
msp/G156711	P130.9				
✓G156691					
~~G156748~~					
✓G156748					RU514
✓G156749					
✓G156712					
msp/G156712					
✓G156714					
msp/G156714					

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METALS, PREP

RUN NO.: R218275

ANALYST: JJ1 3546

REVIEWER: Jn 2520

RECORDER: DJL

DATE: 5/26/94

DATE: 6/1/94

DATE: 5/26/94

SET NO.: 1847B

ACID NO.: MP619

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q930648	50ml	50ml		50ml G051394A
BLA02	Q930649	↓	↓		
✓C156881	P130.6	↓	↓		
DUP02	Q930650	↓	↓		
SPI02	Q930651	↓	↓		500ul (G051994B+Cr)
DPS02	Q930652	↓	↓		↓
✓C156876	P130.6	↓	↓		
✓C156877	↓	↓	↓		
✓C156878	↓	↓	↓		
✓C156882	↓	↓	↓		

000098

PAG 1 OF 1

METALS, EP

RUN NO.: R218267

ANALYST: MS 3310

DATE: 5/26/94

REVIEWER: Jn 2520

DATE: 5/27/94

RECORDER: DM

DATE: 5/27/94

SET NO.: M385B

ACID NO.: MPS66, MPS97, M350, FOS2594A

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q930600	100 ml	100 ml		100 ml M288
BLA02	Q930601				
C156877	P131.6.1				
DUP02	Q930602				
SPI02	Q930603	① ②	① ②	① ②	① 100 ml M288 ② 100 ml M288
C156878	P131.6.1				
~~C156879~~ MS					
C156881	P131.6.1	100 ml			
C156882					
C156876					
					Mercury cleanup done
					in the Lab.
					Fisher waterbath
					(Isotemp)

000039

91CK1034.R

PAGE: 1 OF 1

METALS, PREP

RUN NO.: R218273

ANALYST: 111 3546

REVIEWER: VK 2520

RECORDER: DM

DATE: 5/26/94

DATE: 6/1/94

DATE: 5/26/94

SET NO.: 1847A

ACID NO.: MP619, MP524

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q930641	50ml	50ml		500ul (M361+M284)
BLA02	Q930642				
E156878	P130.4				
DUP02	Q930643				
SPI02	Q930644				500ul (M361+M284)
DPS02	Q930645				
E156876	P130.4				
E156877					
E156881					
E156882					

000100

PA 1 OF 1

METALS EP

RUN NO.: R217100

ANALYST: JZI 3546

REVIEWER: SN 2520

RECORDER: DSC

DATE: 5/24/94

DATE: 5/24/94

DATE: 5/24/94

SET NO.: M384A

ACID NO.: MB506, MB597, M349, F051194A

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q927520	100ml	100ml		100ul M288
BLA02	Q927521	↓			
✓C156816	P131.9	10ml			
DUP02	Q927522	① ②	① ②	① ②	
SPI02	Q927523	① ②	① ②	① ②	① 100ul M288 ② 100ul M288
✓C156863	P131.9	↓	↓		

91CK1034.R1

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METALS, PREP

RUN NO.: K217163

ANALYST: MS 3310

REVIEWER: JN 2520

RECORDER: DJC

DATE: 5/26/94

DATE: 5/27/94

DATE: 5/27/94

SET NO.: M385A

ACID NO.: MP566, MP597, M350, ~~F02~~ AJS FO52594A

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q927536	100ml	100ml		100 ml M288
BLA02	Q927537	↓	↓		
✓C156505	P131.9.2	10ml	↓		
DUP02	Q927538	① ②	① ②	① ②	① ②
SPI02	Q927539	① ②	① ②	① ②	① 100 ml M288 ② 100 ml M288
✓C156588	P131.9.2	↓	↓		
✓C156765	P131.9.1	↓	↓		
✓C156766	↓	↓	↓		
✓C156767	↓	↓	↓		
~~C156768~~ AJS					
✓C156769	P131.9.1	10ml	100ml		
✓C156812	↓	↓	100 ml		
C156813	↓	813			
C156815	↓	815 Invalid			
					Mercury cleanup in the
					Lab.
					Fisher Waterbath (Isotemp)

000102

91CK1034.R1

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METALS, PREP

RUN NO.: R517762

ANALYST: AJS 3310

REVIEWER: Jn 2520

RECORDER: DN

DATE: 5 / ~~26~~ 25 / 94 AJS

DATE: 5 / 27 / 94

DATE: 5 / 27 / 94

SET NO.: M384B

ACID NO.: MP566, MP597, M349, ~~F051194A~~ AJS F051194A

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q927532	100 ml	100 ml		100 ml M288
BLA02	Q927533	↓			
C156691	P131.9.1	10 ml			
DUP02	Q927534	① ②	① ②	① ②	① ②
SPI02	Q927535	① ②	① ②	① ②	① 100 ml M288 ② 100 ml M288
C156706	P131.9.1				~~RUSH~~ AJS RUSH
C156707					RUSH
C156717					
C156718					
C156719					
C156768		① ②	① ②	① ②	① ②
					Fisher waterbath (Isotemp)

91CK1034.R1

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METALS, PREP

RUN NO.: R217935

ANALYST: JJ 3546/JJ 2860

REVIEWER: JJ 2520

RECORDER: Kay

DATE: 5/25/94

DATE: 5/27/94

DATE: 5/25/94

SET NO.: 18Y5B

ACID NO. MP616

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q928526	50ml	50ml		50ml G051394A
BLA02	Q928527				
✓ C156766	P130.9				
DUP02	Q928528				
SPI02	Q928529				500ml/G051994B + (r)
DPS02	Q928530				↓
✓ C156863	P130.9				
✓ C156765					
✓ C156767					
✓ C156768					
✓ C156769					
✓ C156812					
✓ C156813					
✓ C156815					
✓ C156816	↓	↓	↓		

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PAGE: 1 OF 1

METALS, PREP

RUN NO.: R217934

ANALYST: JJ 3546/JJU 2860

REVIEWER: Jn 2522

RECORDER: Ksy

DATE: 5/25/94

DATE: 5/27/94

DATE: 5/25/94

SET NO.: 1845A

ACID NO. MP6116, MP524

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q928519	50ml	50ml		500ul (M361 + M284)
BLA02	Q928520				
✓ C156765	P130.8				
DUP02	Q928521				
SPI02	Q928522				500ul (M361 + M284)
DPS02	Q928523				500ul (M361 + M284)
✓ C156863	P130.8				
✓ C156766					
✓ C156767					
✓ C156768					
✓ C156769					
✓ C156812					
✓ C156813					
✓ C156815					
✓ C156816					

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PAGE: 1 OF 1

METALS, PREP

RUN NO.: R217925

ANALYST: JJ 3546/ JJ 2860

REVIEWER: Ln 2520

RECORDER: DSC

DATE: 5/23/94

DATE: 5/24/94

DATE: 5/23/94

SET NO.: 1843A

ACID NO.: MP614, MP524

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q928479	50ml	50ml		500ul (M361+M284)
BLA02	Q928480				
✓C156715	P130.8				
DUP02	Q928481	① ②	① ②		
SPI02	Q928482				500ul (M361+M284)
DPS02	Q928483				500ul (M361+M284)
MSP/C156715	P130.8				
✓C156716					
MSP/C156716					
✓C156717					
MSP/C156717					
✓C156718					
MSP/C156718					
✓C156719					
MSP/C156719					

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PAGE: 1 OF 1

METALS, PREP

RUN NO.: R217928

ANALYST: #1 3546 / JSM 2160

REVIEWER: Jn 2520

RECORDER: DJC

DATE: 5 / 23 / 94

DATE: 5 / 24 / 94

DATE: 5 / 23 / 94

SET NO.: 1843B

ACID NO. MP64

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q928485	50ml	50ml		50ml G051394A
BLA02	Q928486				
C156716	P130.9				
DUP02	Q928487				
SPI02	Q928488				500ul (G051994B + Cr)
DPS02	Q928489				500ul (G051994B+Cr)
MSP/C156716	P130.9				
C156715					
MSP/C156715					
C156717					
MSP/C156717					
C156718					
MSP/C156718					
C156719					
MSP/C156719					

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PAGE: 1 OF 1

METALS, PREP

RUN NO.: R217893

ANALYST: JJL 2060

REVIEWER: JN 2520

RECORDER: DSL

DATE: 5/21/94

DATE: 5/23/94

DATE: 5/25/94

SET NO.: 1841B

ACID NO.: M1614, M1523.

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q928336	50ml	50ml		500ul (M361 + M284)
BLA02	Q928337				
✓C156691	P130.8				
DUP02	Q928338				
SPI02	Q928339				500ul (M361 + M284)
DPS02	Q928340				
✓C156706	P130.8				
✓C156707					
✓C156711					
MSP/C156711					
✓C156712					
MSP/C156712					
✓C156714					
MSP/C156714					

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METALS, PREP

RUN NO.: R218741

ANALYST: JJL 3546/JJn 2860

REVIEWER: Jn 2520

RECORDER: DJL

DATE: 6/2/94

DATE: 6/9/94

DATE: 6/2/94

SET NO.: 1851A

ACID NO.: MP622, MP524

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q933331	50ml	50ml		500ul (M361+M284)
BLA02	Q933332	↓	↓		
✓C156878	P130.4.1				
DUP02	Q933333				
SPI02	Q933334				500ul (M361+M284)
DPS02	Q933335				↓
✓C156876	P130.4.1				
✓C156877	↓				Reprep from 1847A for various metals
✓C156881					
✓C156882	↓	↓	↓		

000109

PAG 1 OF 1

METALS, PREP

RUN NO.: [illegible]

ANALYST: AJS 3310

REVIEWER: [illegible]

RECORDER: [illegible]

DATE: 5/20/94

DATE: 5/20/94

DATE: 5/20/94

SET NO.: M381B

ACID NO.: MP566, MP597, M347, F05194A

SAMPLE	TYPE	WT/VOL	FINAL VOL	DILUTION	COMMENTS
LCS	Q924472	100ml	100ml		100ml M288
BLA02	Q924473	↓	↓		
C156711	P131.9	10ml			
DUP02	Q924474	① ②	① ②	① ②	① ②
SPI02	Q924475	① ②	① ②	① ②	① 100ml M288 ② 100ml M288
MSP/C156711	QC				
C156712	P131.9				
MSP/C156712	QC				
C156714	P131.9				
MSP/C156714	QC				
C156715	P131.9				
MSP/C156715	QC				Fisher Scientific waterbath
C156716	P131.9				
MSP/C156716	QC	↓	↓		

JTCK1034.R1

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T.C.L.P.

RUN NO.: R218058

ALYST: AJS 3310 REVIEWER: AW2948 RECORDER: DJL

DATE: 5-20-94 DATE: 5-23-94 DATE: 5-23-94

TEMP °C: I 21 F 20 RPM UNIT #1: RPM UNIT #2: 31

pH CALIBRATION

DATE 5-20-94						
7.00: 7.02	4.00: 4.00	Efficiency: 101.9	10.00: 10.07	QAQC ID: BAXTER	TV: 5.00	OBS: 5.04
DATE 5-23-94						
7.00: ~~7.02~~ 7.03 AJS	4.00: 4.00	Efficiency: 101.5	10.00: 10.09	QAQC ID: BAXTER	TV: 5.00	OBS: 5.04

SAMPLE NUMBER	C156765	C156766	C156767	C156768	C156769	C156812
PREP CODE	P106.1	P106.1	P106.1	P106.1	P106.1	P106.1
TOTAL SAMPLE Wgt. g	100.07	105.20	99.97	100.08	100.08	100.07
LIQUID PORTION, g	0	0.01	0.02	0	0	0
SAMPLE EXT, g	100.07	100.02	96.46	100.08	100.08	100.07
PERCENT SOLIDS	100	95	96	100	100	100
9.5 mm SLEVE TEST	✓	✓	✓	✓	✓	✓
INITIAL pH	9.40	10.72	10.52	10.96	10.90	8.97
ADJUSTED pH	2.12	3.12	3.18	5.42	2.71	5.65
BUFFER SOLUTION pH	4.98	4.98	4.98	2.93	4.98	2.93
FINAL pH	5.55	5.56	5.89	5.08	5.93	5.46
VOL. BUF. SOLUTION, ml	2000	2000	1930	2000	2000	2000
VOL. BUF. FILTERED, ml	2000	2000	1930	2000	2000	2000
VOL LIQ (ADD BACK), ml	0	0	0	0	0	0
TOTAL VOL FILTRATE, ml	2000	2000	1930	2000	2000	2000
INITIAL METER READING	16:07 →					
FINAL METER READING	10:35 →					
✓ FOR MULTI-PHASE						
SPECIFIC GRAVITY, g/ml						
PHASE 0 Wgt., g(Rep 0)						
PHASE 0 Vol., g(Rep 0)						
PHASE 1 Wgt., g (Rep 1)						
PHASE 1 Vol., ml (Rep 1)						

COMMENTS:

91CK1074.R6

PAGE: 2 OF 2

T.C.L.P.

RUN NO.:

ALYST: AJS 3310 REVIEWER: RECORDER:

DATE: 5-20-94 DATE: DATE:

TEMP °C: I 21 F 20 RPM UNIT #1: RPM UNIT #2:

pH CALIBRATION

DATE						
7.00: 7.02	4.00: 4.00	Efficiency:	10.00:	QAQC ID:	TV:	OBS:
DATE						
7.00: 7.02	4.00: 4.00	Efficiency:	10.00:	QAQC ID:	TV:	OBS:

SAMPLE NUMBER	C156813	C156815	C156816			
PREP CODE	P106.1	P106.1	P106.1			
TOTAL SAMPLE Wgt. g	100.00	102.90	100.03			
LIQUID PORTION, g	0	1.69	0			
SAMPLE EXT, g	100.00	100.02	100.03			
RCENT SOLIDS	100	97	100			
9.5 mm SLEVE TEST	✓	✓	✓			
INITIAL pH	8.95	9.69	9.33			
ADJUSTED pH	4.16	5.30	2.11			
BUFFER SOLUTION pH	4.98	2.93	4.88			
FINAL pH	6.22	5.41	5.57			
VOL. BUF. SOLUTION, ml	2000	2000	2000			
VOL. BUF. FILTERED, ml	2000	2000	2000			
VOL LIQ (ADD BACK), ml	0	1.50	0			
TOTAL VOL FILTRATE, ml	2000	2001.50	2000			
INITIAL METER READING	16:07	16:07	16:07			
FINAL METER READING	10.35	10:35	10:35			
✓ FOR MULTI-PHASE						
SPECIFIC GRAVITY, g/ml						
PHASE 0 Wgt., g(Rep 0)						
PHASE 0 Vol, g(Rep 0)						
PHASE 1 Wgt., g (Rep 1)						
PHASE 1 Vol., ml (Rep 1)						

OMMENTS:

91CK1074.R6

TCLP % SOLIDS WORKSHEET

SAMPLE # C156766 PREP: P106.1 SCR-g: ~~51.97~~ 51.60 SCR+FLT-g: 52.94 BKR-g: 8.23 CYL-g: 124.98 SPECIFIC GRAVITY ___ g/ml

1. Smpl + Bkr: 113.43 Scr + Flt + Soild: 152.96 Cyl + Liq: 124.99
   - Bkr: 8.23 = 105.20 - Scr + Flt: 52.94 = 100.02 - Cyl: 124.98 = 0.01 Vol: 0
   % Solids = 95 %

2. Smpl + Bkr: ___ Scr + Flt + Soild: ___ Cyl + Liq: ___
   - Bkr: ___ = ___ - Scr + Flt: ___ = ___ - Cyl: ___ = ___ Vol: ___
   Total = ___ g % Solids = ___ % Total = ___ g Total: ___ ml

3. Smpl + Bkr: ___ Scr + Flt + Soild: ___ Cyl + Liq: ___
   - Bkr: ___ = ___ - Scr + Flt: ___ = ___ - Cyl: ___ = ___ Vol: ___
   Total = ___ g % Solids = ___ % Total = ___ g Total: ___ ml

4. Smpl + Bkr: ___ Scr + Flt + Soild: ___ Cyl + Liq: ___
   - Bkr: ___ = ___ - Scr + Flt: ___ = ___ - Cyl: ___ = ___ Vol: ___
   Total = ___ g % Solids = ___ % Total = ___ g Total: ___ ml

5. Smpl + Bkr: ___ Scr + Flt + Soild: ___ Cyl + Liq: ___
   - Bkr: ___ = ___ - Scr + Flt: ___ = ___ - Cyl: ___ = ___ Vol: ___
   Total = ___ g % Solids = ___ % Total = ___ g Total: ___ ml

6. Smpl + Bkr: ___ Scr + Flt + Soild: ___ Cyl + Liq: ___
   - Bkr: ___ = ___ - Scr + Filt: ___ = ___ - Cyl: ___ = ___ Vol: ___
   Total = ___ g % Solids = ___ % Total = ___ g Total: ___ ml

92CK142R.R6

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TCLP % SOLIDS WORKSHEET

SAMPLE #C06767 PREP: P106.1 SCR-g: 51.97 SCR+FLT-g: 53.43 BKR-g: 8.28 CYL-g: 124.75 SPECIFIC GRAVITY — g/ml

1. Smpl + Bkr: 108.25 Scr + Flt + Soild: 149.89 Cyl + Liq: 124.77
   - Bkr: 8.28 = 99.97 - Scr + Flt: 53.43 = 96.46 - Cyl: 124.75 = 0.02 Vol: 0
   % Solids = 96 %

2. Smpl + Bkr: Scr + Flt + Soild: Cyl + Liq:
   - Bkr: = - Scr + Flt: = - Cyl: = Vol:
   Total= g % Solids = % Total = g Total: ml

3. Smpl + Bkr: Scr + Flt + Soild: Cyl + Liq:
   - Bkr: = - Scr + Flt: = - Cyl: = Vol:
   Total= g % Solids = % Total = g Total: ml

4. Smpl + Bkr: Scr + Flt + Soild: Cyl + Liq:
   - Bkr: = - Scr + Flt: = - Cyl: = Vol:
   Total= g % Solids = % Total = g Total: ml

5. Smpl + Bkr: Scr + Flt + Soild: Cyl + Liq:
   - Bkr: = - Scr + Flt: = - Cyl: = Vol:
   Total= g % Solids = % Total = g Total: ml

6. Smpl + Bkr: Scr + Flt + Soild: Cyl + Liq:
   - Bkr: = - Scr + Filt: = - Cyl: = Vol:
   Total= g % Solids = % Total = g Total: ml

92CK1428.R6

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TCLP % SOLIDS WORKSHEET

SAMPLE # C156815 PREP: P106.1 SCR-g: 51.97 SCR+FLT-g: 53.46 BKR-g: 7.87 CYL-g: 124.76 SPECIFIC GRAVITY 1.12 g/ml

1. Smpl + Bkr: 110.77 Scr + Flt + Soild: 153.48 Cyl + Liq: 126.45
   - Bkr: 7.87 = 102.90 g - Scr + Flt: 53.46 = 100.02 g - Cyl: 124.76 = 1.69 g Vol: 1.5 ml
   % Solids = 97 %

2. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

3. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

4. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

5. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

6. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Filt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

92CK1428.R6

PAGE: 1 OF 2

T.C.L.P.

RUN NO.: R217723

ALYST: AJS 3310 REVIEWER: AM2948 RECORDER: DK

DATE: 5/18/94 DATE: 5-19-94 DATE: 5-19-94

TEMP °C: I 21 F 19 RPM UNIT #1: RPM UNIT #2: 31

pH CALIBRATION

DATE 5/18/94						
7.00: ~~7.02~~ 7.03 AJS	4.00: 4.00	Efficiency: 101.6	10.00: 10.08	QAQC ID: Baxter	TV: 5.00	OBS: 5.05
DATE 5/19/94						
7.00: ~~7.02~~ 7.03 AJS	4.00: 4.00	Efficiency: 101.7	10.00: 10.07	QAQC ID: Baxter	TV: 5.00	OBS: 5.05

SAMPLE NUMBER	C156711	C156712	C156713	C156714	C156715	C156716
PREP CODE	P106.1 →					
TOTAL SAMPLE Wgt. g	100.07	100.01	100.00	100.06	100.08	99.99
LIQUID PORTION, g	0	0.01	0	0	0.03	0
SAMPLE EXT, g	100.07	96.84	100.00	100.06	97.76	94.82
PERCENT SOLIDS	100	97	100	100	98	95
9.5 mm SLEVE TEST	✓	✓	✓	✓	✓	✓
INITIAL pH	9.78	9.65	9.64	9.51	9.30	9.52
ADJUSTED pH	2.37	5.12	4.91	5.20	4.29	5.40
BUFFER SOLUTION pH	4.98	2.90	4.98	2.90	4.98	2.90
FINAL pH	5.73	5.20	5.58	5.24	5.56	5.21
VOL. BUF. SOLUTION, ml	2000	1940	2000	2000	1955	1900
VOL. BUF. FILTERED, ml	2000	1940	2000	2000	1955	1900
VOL LIQ (ADD BACK), ml	0	0	0	0	0	0
TOTAL VOL FILTRATE, ml	2000	1940	2000	2000	1955	1900
INITIAL METER READING	16:02 →					
FINAL METER READING	9:10 →					
✓ FOR MULTI-PHASE						
SPECIFIC GRAVITY, g/ml			Canceled			
PHASE 0 Wgt., g(Rep 0)			5/19/94			
PHASE 0 Vol., g(Rep 0)						
PHASE 1 Wgt., g (Rep 1)						
PHASE 1 Vol., ml (Rep 1)						

COMMENTS: ON All samples, QC was performed.

91CK1074.R6

PAGE: 2 OF 2

T.C.L.P.

RUN NO.:

ANALYST: AJS 3310 REVIEWER: RECORDER:

DATE: 5/18/94 DATE: DATE:

TEMP °C:I F RPM UNIT #1: RPM UNIT #2:

pH CALIBRATION

DATE						
7.00: 7.02	4.00: 4.00	Efficiency:	10.00:	QAQC ID:	TV:	OBS:
DATE						
7.00: 7.02	4.00: 4.00	Efficiency:	10.00:	QAQC ID:	TV:	OBS:

SAMPLE NUMBER	C156717	C156718	C156719			
PREP CODE	P106.1 →	→	→			
TOTAL SAMPLE Wgt g	100.08	99.94	100.05			
LIQUID PORTION, g	0.02	0	0			
SAMPLE EXT, g	96.95	98.98	96.25			
PERCENT SOLIDS	97	99	96			
9.5 mm SLEVE TEST	✓	✓	✓			
INITIAL pH	9.66	9.39	9.77			
ADJUSTED pH	2.35	5.08	5.51			
BUFFER SOLUTION pH	4.98	2.90	~~4.9~~ 2.90			
FINAL pH	5.69	5.08	5.25			
VOL. BUF. SOLUTION, ml	1940	1980	1930			
VOL. BUF. FILTERED, ml	1940	1980	1930			
VOL LIQ (ADD BACK), ml	0	0	0			
TOTAL VOL FILTRATE, ml	1940	1980	1930			
INITIAL METER READING	16:02 →	→	→			
FINAL METER READING	9:10 →	→	→			
✓ FOR MULTI-PHASE						
SPECIFIC GRAVITY, g/ml						
PHASE 0 Wgt., g(Rcp 0)						
PHASE 0 Vol., g(Rcp 0)						
PHASE 1 Wgt., g (Rcp 1)						
PHASE 1 Vol., ml (Rcp 1)						

COMMENTS:

91CK1074.R6

TCLP % SOLIDS WORKSHEET

SAMPLE #C156712 PREP: P106.1 SCR-g: 51.58 SCR+FLT-g: 53.09 BKR-g: 103.94 CYL-g: 124.32 SPECIFIC GRAVITY _____ g/ml

1. Smpl + Bkr: 203.95 Scr + Flt + Soild: 149.93 Cyl + Liq: 124.33
   - Bkr: 103.94 = 100.01 - Scr + Flt: 53.09 = 96.84 - Cyl: 124.32 = 0.01 Vol: 0
   % Solids = 97 %

Moist Rock

2. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

3. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

4. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

5. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

6. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Filt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

000118

92CK1428.R6

TCLP % SOLIDS WORKSHEET

SAMPLE #C156715 PREP: P106.1 SCR-g: 51.58 SCR+FLT-g: 53.15 BKR-g: 104.64 CYL-g: 124.28 SPECIFIC GRAVITY _____ g/ml

1. Smpl + Bkr: 204.72 Scr + Flt + Soild: 150.91 Cyl + Liq: 124.31
   - Bkr: 104.64 = 100.08 - Scr + Flt: 53.15 = 97.76 - Cyl: 124.28 = 0.03 Vol: 0
   % Solids = 98 %

Moist Rock

2. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

3. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

4. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

5. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

6. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Filt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

92CK1428.R6

TCLP % SOLIDS WORKSHEET

SAMPLE #C156716 PREP: P106.1 SCR-g: 51.58 SCR+FLT-g: 53.06 BKR-g: 104.64 CYL-g: 124.32 SPECIFIC GRAVITY _____ g/ml

1. Smpl + Bkr: 204.63 Scr + Flt + Soild: 147.88 Cyl + Liq: 124.32
   - Bkr: 104.64 = 99.99 - Scr + Flt: 53.06 = 94.82 - Cyl: 124.32 = 0 Vol: 0
   % Solids = 95 %

Moist Rock

2. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

3. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

4. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

5. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

6. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Filt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

000120

92CK1428.R6

TCLP % SOLIDS WORKSHEET

SAMPLE #C156717 PREP: P106.1 SCR-g: 51.58 SCR+FLT-g: 53.02 BKR-g: 103.62 CYL-g: 124.30 SPECIFIC GRAVITY _____ g/ml

1. Smpl + Bkr: 203.70 Scr + Flt + Soild: 149.97 Cyl + Liq: 124.32
   - Bkr: 103.62 = 100.08 - Scr + Flt: 53.02 = 96.95 - Cyl: 124.30 = 0.02 Vol: 0
   % Solids = 97 %

Moist Rock

2. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

3. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

4. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

5. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

6. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Filt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

92CK142R.R6

TCLP % SOLIDS WORKSHEET

SAMPLE #C156718 PREP: P106.1 SCR-g: 61.68 SCR+FLT-g: 53.11 BKR-g: 64.92 CYL-g: 124.32 SPECIFIC GRAVITY - g/ml

1. Smpl + Bkr: 164.86 Scr + Flt + Soild: 152.09 Cyl + Liq: 124.32
   - Bkr: 64.92 = 99.94 - Scr + Flt: 53.11 = 98.98 - Cyl: 124.32 = 0 Vol: 0
   % Solids = 99 %

Moist Rock

2. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

3. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

4. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

5. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

6. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____
   - Bkr: _____ = _____ - Scr + Filt: _____ = _____ - Cyl: _____ = _____ Vol: _____
   Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

92CK1428.R6

TCLP % SOLIDS WORKSHEET

SAMPLE #C1567A PREP: 0106.1 SCR-g: 51.58 SCR+FLT-g: 53.07 BKR-g: 65.09 CYL-g: 124.32 SPECIFIC GRAVITY _____ g/ml

1. Smpl + Bkr: 165.14 Scr + Flt + Soild: 149.32 Cyl + Liq: 124.32

- Bkr: 65.09 = 100.05 - Scr + Flt: 53.07 = 96.25 - Cyl: 124.32 = 0 Vol: 0

% Solids = 96 %

Moist Rock

2. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____

- Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____

Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

3. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____

- Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____

Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

4. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____

- Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____

Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

5. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____

- Bkr: _____ = _____ - Scr + Flt: _____ = _____ - Cyl: _____ = _____ Vol: _____

Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

6. Smpl + Bkr: _____ Scr + Flt + Soild: _____ Cyl + Liq: _____

- Bkr: _____ = _____ - Scr + Filt: _____ = _____ - Cyl: _____ = _____ Vol: _____

Total = _____ g % Solids = _____ % Total = _____ g Total: _____ ml

92CK1428.R6

ANALYSIS RUN: R218700

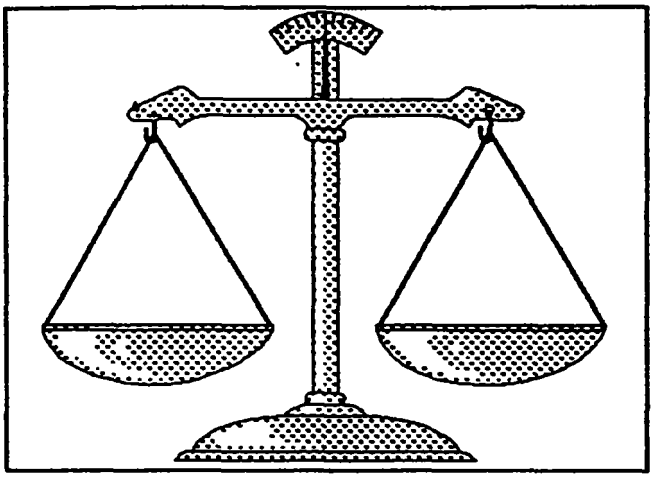
RUN NUMBER: 10070

TEST: Se 645

ANALYST: Sn. 2520

DATE: 5 / 27 / 94

INSTRUMENT: #22



Reprep_____(complete)

Reprep_____(incomplete)

COMMENTS: _____

91CK1072.R6

PAGE 1 OF 3

METALS, GFAA

RUN: R218700

ANALYST: In 2520 REVIEWER: Cls RECORDER: PK

DATE: 5/27/94 DATE: 5/31/94 DATE: 5/31/94

INSTRUMENT: #22 ELEMENT: Se 645 WAVELENGTH: 196.0

CAL. CURVE.:	0	0.010	0.020	0.040	0.050	mg/l
RESPONSE:	0.000	0.028	0.061	0.116	0.155	

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: 0.999 SLOPE: 0.327 Y INTERCEPT: 0.0005

SAMPLE:	ICV01	B1001	CDL	C156588	C156711	DUP00
TYPE:	G 052594B		# 050294F	[illegible]	[illegible]	C156711 [illegible]
TRUE VALUE:	0.02		0.02	BDL 0.01	BDL 0.01	BDL
RESULT:	0.0212	BDL	0.0214	(0.0018) BDL 0.0078	(0.0002) BDL [illegible]	BDL
UNITS:	mg/l			mg/l	mg/l	mg/l
DET. LIMIT:	0.010			0.05	0.025	0.025
% RECOVERY:	106%		107%	60%	84%	0% Rpd
WT/VOL:				50	50	50
FINAL VOL:				50	50	50
DILUTE:				1:5	1:5	1:5
SAMABS:	0.063	0.004	0.064	0.004	0.001	0.002
AD1ABS:				0.023	0.025	0.031
AD2ABS:						
AD3ABS:					In 6-2-94	
COMMENT:					CLP	

PAGE 2 OF 3 METALS, GFAA RUN:

ANALYST: Jr 2520 REVIEWER: RECORDER:

DATE: 5/27/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: Se 645 WAVELENGTH: 196.0

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	CCV	Blank	C156712	C156718	C156719	~~C1555~~ C156691 Jn 5/27/94
TYPE:	#050294F		[illegible]	→	[illegible]	[illegible]
E VALUE:	0.02		BDL 0.01	BDL 0.01	BDL 0.01	BDL 0.01
RESULT:	0.0204	BDL	(0.0005) BDL 0.043	(0.0004) BDL 0.0035	(0.0014) BDL 0.0078	(0.0007) BDL 0.0129
UNITS:	mg/L →		mg/L	mg/L	mg/L	mg/L
DET. LIMIT:	0.010 →		0.025	0.025	0.025	0.10
% RECOVERY:	102%		83%	81%	64%	62%
WT/VOL:			50	50	50	50
FINAL VOL:			50	50	50	50
DILUTE:			1:5	1:5	1:5	1:10
SAMABS:	0.001	0.004	0.000	0.000	0.003	0.019
AD1ABS:			0.027	0.025	0.023	0.038
AD2ABS:						
AD3ABS:						
COMMENT:			CIP	CIP	CIP	

PAGE 3 OF 3

METALS, GFAA

RUN:

ANALYST: Jn 2520 REVIEWER: RECORDER:

DATE: 5/27/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: Se 645 WAVELENGTH: 196.0

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	CCC	B1001	CDC			
TYPE:	#050294F		#050294F			
E VALUE:	0.02		0.02			
RESULT:	0.0195	BDL	0.0205			
UNITS:	mg/l					
DET. LIMIT:	0.010					
% RECOVERY:	98%		103%			
WT/VOL:						
FINAL VOL:						
DILUTE:						
SAMABS:	0.058	0.004	0.061			
AD1ABS:						
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE_____ OF_____ METALS RUN #_____

INSTRUMENT: #22 WAVELENGTH:_____ TEST:_____

ANALYST: Jn 2520 REVIEWER:_____ RECORDER:_____

DATE: 6/4/94 DATE: / / DATE: / /

CALIBRATION:_____

RESPONSE:_____

C.C.:_____ SLOPE:_____ Y INTERCEPT:_____

SAMPLE:	C156711				
TYPE:	~~M6~~ m728.6 Jn 6-4-94				
SAMPLE RESULT:	BDL				
CORRECTED RESULT:					
M.S. TRUE VALUE:	0.05				
SAMPLE + M.S.:	BDL / 0.047				
MS % REC.:	94%				
ADD 1:	0.01				
SAMPLE:	0.001				
SAMPLE + ADD 1:	0.0086				
DILUTION:	1:5				
DET. LIMIT:	0.025				
UNITS:	mg/l				
WT./VOL.:	50				
FINAL VOL.:	50				
COMMENTS:	msp run on R218452				

91CK1073.R6

Jn 5-27-94

Element File: SE82290.GEL Element: Se Wavelength: 196.0
D 'e: 05/27/94 Time: 12:12 Slit: 2.0
Γ : File: SE052794.DAT ID/Wt File: SE052794.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 55
Remark 1: THIS FILE IS TO DETERMINE SE AT 5 PPB USING STANDARDS 10,20,
Remark 2: 40 AND 50 PPB. PALLADIUM IS THE MODIFIER USED. THIS IS CLP
Remark 3: PROTOCOL.

Se ID: Blank Seq. No.: 00073 A/S Pos.: 0 Date: 05/27/94

Replicate 1 Time: 12:14
Peak Area (A-s): 0.001 Peak Height (A): 0.012
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.000
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.0006

Auto-zero performed.

Se ID: Standard 1 Seq. No.: 00074 A/S Pos.: 36 Date: 05/27/94

Replicate 1 Time: 12:17
Peak Area (A-s): 0.029 Peak Height (A): 0.067
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.028
Concentration (mg/L): 0.0068

Standard number 1 applied. [0.01001]
Correlation coefficient: 1.00000 Slope: 3.0034 Int: -0.000

Se ID: Standard 2 Seq. No.: 00075 A/S Pos.: 37 Date: 05/27/94

Replicate 1 Time: 12:17
Peak Area (A-s): 0.061 Peak Height (A): 0.117
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.061
Concentration (mg/L): 0.0214

Standard number 2 applied. [0.02001]
Correlation coefficient: 0.99926 Slope: [illegible] Int: -0.001

Se ID: Standard 3 Seq. No.: 00076 A/S Pos.: [illegible] Date: 05/27/94

Replicate 1 Time: [illegible]
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.074
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): 0.0384

Standard number 3 applied. [0.04001]
Correlation coefficient: 0.99955 Slope: [illegible] Int: [illegible]

Se ID: Standard 4 Seq. No.: 00077 A/S Pos.: [illegible] Date: 05/27/94

Replicate 1 Time: 12:24
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.155
Concentration (mg/L): 0.0533

Standard number 4 applied. [0.05001]
Correlation coefficient: 0.99861 Slope: 3.0430 Int: -0.001

Se ID: ICV01 Seq. No.: 00078 A/S Pos.: 1 Date: 05/27/94

Replicate 1 Time: 12:27
Peak Area (A-s): 0.064 Peak Height (A): 0.119
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.063
Concentration (mg/L): 0.0212

Se ID: BLA01 Seq. No.: 00079 A/S Pos.: 2 Date: 05/27/94

plicate 1 Time: 12:29
ak ea (A-s): 0.005 Peak Height (A): 0.011
ck ound Pk Area (A-s): 0.034 Background Pk Height (A): 0.017
ank Corrected Pk Area (A-s): 0.004
ncertration (mg/L): 0.0012

ID: CDL Seq. No.: 00080 A/S Pos.: 3 Date: 05/27/94

plicate 1 Time: 12:32
ak Area (A-s): 0.065 Peak Height (A): 0.111
ckground Pk Area (A-s): 0.052 Background Pk Height (A): 0.038
ank Corrected Pk Area (A-s): 0.064
ncentration (mg/L): 0.0214

ID: [illegible] Seq. No.: [illegible] A/S Pos.: 4 Date: 05/27/94

[illegible] 1 Time: 12:35
[illegible] Area (A-s): 0.005 Peak Height (A): 0.014
[illegible] Pk Area (A-s): [illegible] Background Pk Height (A): 0.026
[illegible] Corrected Pk Area (A-s): [illegible]
ncentration (mg/L): [illegible] Corrected Conc (mg/L): [illegible]

ID: [illegible] Seq. No.: [illegible] A/S Pos.: [illegible] Date: 05/27/94

[illegible] Time: [illegible]
[illegible] Area (A-s): 0.023 Peak Height (A): 0.051
[illegible] Background Pk Height (A): [illegible]
[illegible] Corrected Pk Area (A-s): 0.013
[illegible] Corrected Conc (mg/L): 0.009

[illegible] is [illegible]

[illegible] ID: [illegible] Seq. No.: 00083 A/S Pos.: 5 Date: 05/27/94

[illegible] 1 Time: 12:40
[illegible] Area (A-s): -0.000 Peak Height (A): [illegible]
[illegible] Pk Area (A-s): 0.274 Background Pk Height (A): 0.032
[illegible] Corrected Pk Area (A-s): [illegible]
[illegible]ncentration (mg/L): 0.0007 Corrected Conc (mg/L): 0.001

Se ID: C156711 Seq. No.: 00084 A/S Pos.: 5 Date: 05/27/94

Replicate 1 Time: 12:42
Peak Area (A-s): 0.026 Peak Height (A): 0.064
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.025
Concentration (mg/L): 0.0060 Corrected Conc (mg/L): 0.043

[illegible] recovery is 84.1%

Se ID: DUP 711 928323 Seq. No.: 00085 A/S Pos.: 6 Date: 05/27/94

Replicate 1 Time: 12:45

Peak Area (A-s): -0.001 Peak Height (A): 0.009
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.0002 Corrected Conc (mg/L): -0.001

Se ID: DUP 711 928323 Seq. No.: 00086 A/S Pos.: 6 Date: 05/27/94

Replicate 1 Time: 12:40
Peak Area (A-s): 0.031 Peak Height (A): 0.060
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.031
Concentration (mg/L): 0.0104 Corrected Conc (mg/L): 0.052

Recovery is 106.0%

Se ID: AS Position 37 Seq. No.: 00067 A/S Pos.: 37 Date: [illegible]

Replicate 1 Time: 12:30
Peak Area (A-s): 0.061 Peak Height (A): [illegible]
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): 0.0204

Check sample is within range [illegible]

[illegible] ID: BLA01 Seq. No.: [illegible] A/S Pos.: [illegible] Date: [illegible]

Replicate 1 Time: [illegible]
Peak Area (A-s): 0.013 Peak Height (A): [illegible]
Background Pk Area (A-s): 0.038 Background Pk Height (A): [illegible]
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): 0.0013

Check sample is within range [illegible]

Se ID: C156691 Seq. No.: 00089 A/S Pos.: 7 Date: 05/27/94

Replicate 1 Time: 12:55
Peak Area (A-s): 0.017 Peak Height (A): 0.033
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.017
Concentration (mg/L): 0.0059 Corrected Conc (mg/L): 0.059

Se ID: C156691 Seq. No.: 00090 A/S Pos.: 7 Date: 05/27/94

Replicate 1 Time: 12:58
Peak Area (A-s): 0.032 Peak Height (A): 0.082
Background Pk Area (A-s): 0.104 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.031
Concentration (mg/L): 0.0106 Corrected Conc (mg/L): 0.106

Recovery is 46.9%

Repeat In 5-27-94

D: C156712 Seq. No.: 00091 A/S Pos.: 8 Date: 05/27/94

plicate 1 Time: 13:00
ak Area (A-s): 0.001 Peak Height (A): 0.009
ckground Pk Area (A-s): 0.076 Background Pk Height (A): 0.038
ank Corrected Pk Area (A-s): 0.000
ncentration (mg/L): 0.0005 Corrected Conc (mg/L): 0.003

ID: C156712 Seq. No.: 00092 A/S Pos.: 8 Date: 05/27/94

plicate 1 Time: 13:03
ak Area (A-s): 0.026 Peak Height (A): 0.053
ckground Pk Area (A-s): 0.077 Background Pk Height (A): 0.042
Corrected Pk Area (A-s): 0.027
ncentration (mg/L): 0.0093 Corrected Conc (mg/L): 0.047

ecovery is 00.7%

ID: C156712 Seq. No.: 00093 A/S Pos.: 9 Date: 05/27/94

plicate 1 Time: 13:06
ak Area (A-s): 0.001 Peak Height (A): 0.007
ckground Pk Area (A-s): 0.076 Background Pk Height (A): 0.036
Corrected Pk Area (A-s): [illegible]
ncentration (mg/L): 0.0004 Corrected Conc (mg/L): 0.002

ID: C156719 Seq. No.: 00094 A/S Pos.: 9 Date: 05/27/94

plicate 1 Time: 13:08
ak Area (A-s): 0.025 Peak Height (A): 0.049
ckground Pk Area (A-s): [illegible] Background Pk Height (A): 0.040
ank Corrected Pk Area (A-s): 0.023
ncentration (mg/L): 0.0083 Corrected Conc (mg/L): 0.041

ecovery is 00.7%

Se ID: C156719 Seq. No.: 00095 A/S Pos.: 10 Date: 05/27/94

Replicate 1 Time: 13:11
Peak Area (A-s): 0.004 Peak Height (A): 0.011
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.003
Concentration (mg/L): 0.0014 Corrected Conc (mg/L): 0.007

Se ID: C156719 Seq. No.: 00096 A/S Pos.: 10 Date: 05/27/94

plicate 1 Time: 13:13
ak Area (A-s): 0.023 Peak Height (A): 0.044
Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.023
Concentration (mg/L): 0.0078 Corrected Conc (mg/L): 0.039

Recovery is 64.1%

e ID: C155586 Seq. No.: 00097 A/S Pos.: 11 Date: 05/27/94

licate 1 Time: 13:16
eak Area (A-s): 0.001 Peak Height (A): 0.010
ackground Pk Area (A-s): 0.080 Background Pk Height (A): 0.047
lank Corrected Pk Area (A-s): 0.000
oncentration (mg/L): 0.0005

e ID: C155586 Seq. No.: 00098 A/S Pos.: 11 Date: 05/27/94

eplicate 1 Time: 13:18
eak Area (A-s): 0.002 Peak Height (A): 0.042
ackground Pk Area (A-s): 0.078 Background Pk Height (A): 0.047
lank Corrected Pk Area (A-s): 0.002
oncentration (mg/L): 0.0076

ecovery is 73.9%

ID: [illegible] Seq. No.: [illegible] A/S Pos.: [illegible] Date: [illegible]

licate 1 Time: [illegible]
k Area (A-s): 0.003 Peak Height (A): [illegible]
ckground Pk Area (A-s): 0.077 Background Pk Height (A): 0.043
k Corrected Pk Area (A-s): [illegible]
oncentration (mg/L): [illegible]

ID: [illegible] Seq. No.: [illegible] A/S Pos.: [illegible] Date: [illegible]

licate 1 Time: [illegible]
k Area (A-s): [illegible] Peak Height (A): [illegible]
ckground Pk Area (A-s): 0.081 Background Pk Height (A): 0.031
lank Corrected Pk Area (A-s): [illegible]
oncentration (mg/L): 0.0099

ecovery is 86.5%

ID: AS Position 37 Seq. No.: 00101 A/S Pos.: 37 Date: 05/27/94

eplicate 1 Time: 13:26
eak Area (A-s): 0.033 Peak Height (A): 0.066
ackground Pk Area (A-s): 0.058 Background Pk Height (A): 0.039
lank Corrected Pk Area (A-s): 0.058
oncentration (mg/L): 0.0194

heck sample is within range 0.0179 - 0.0220

e ID: C156691 Seq. No.: 00103 A/S Pos.: 7 Date: 05/27/94

licate 1 Time: 13:35
eak Area (A-s): 0.020 Peak Height (A): 0.039
ackground Pk Area (A-s): 0.118 Background Pk Height (A): 0.050
lank Corrected Pk Area (A-s): 0.019
oncentration (mg/L): 0.0067 Corrected Conc (mg/L): 0.067

e ID: C156691 Seq. No.: 00104 A/S Pos.: 7 Date: 05/27/94

icate 1 Time: 13:37
eak Area (A-s): 0.039 Peak Height (A): 0.092
ackground Pk Area (A-s): 0.110 Background Pk Height (A): 0.056
lank Corrected Pk Area (A-s): 0.038
oncentration (mg/L): [illegible] Corrected Conc (mg/L): 0.129

ecovery is 62.0%

ID: AS Position 37 Seq. No.: 00105 A/S Pos.: 37 Date: 05/27/94

eplicate 1 Time: 13:40
eak Area (A-s): 0.05[illegible] Peak Height (A): [illegible]
ackground Pk Area (A-s): 0.061 Background Pk Height (A): 0.040
lank Corrected Pk Area (A-s): 0.056
oncentration (mg/L): [illegible]

neck sample is within range [illegible] - [illegible]

e ID: SLA01 Seq. No.: 00106 A/S Pos.: 8 Date: 05/27/94

eplicate 1 Time: 13:43
eak Area (A-s): [illegible] Peak Height (A): [illegible]
ackground Pk Area (A-s): [illegible] Background Pk Height (A): [illegible]
lank Corrected Pk Area (A-s): 0.004
oncentration (mg/L): 0.0019

neck sample is within range [illegible] - [illegible]

e ID: AS Position 37 Seq. No.: 00107 A/S Pos.: 37 Date: 05/27/94

eplicate 1 Time: 13:45
eak Area (A-s): 0.061 Peak Height (A): [illegible]
ackground Pk Area (A-s): 0.060 Background Pk Height (A): 0.044
lank Corrected Pk Area (A-s): 0.061
oncentration (mg/L): 0.0203

e ID: CDL Seq. No.: 00109 A/S Pos.: 3 Date: 05/27/94

eplicate 1 Time: 13:48
eak Area (A-s): 0.062 Peak Height (A): 0.105
ackground Pk Area (A-s): 0.058 Background Pk Height (A): 0.045
lank Corrected Pk Area (A-s): 0.061
oncentration (mg/L): 0.0205

ANALYSIS RUN: R218452

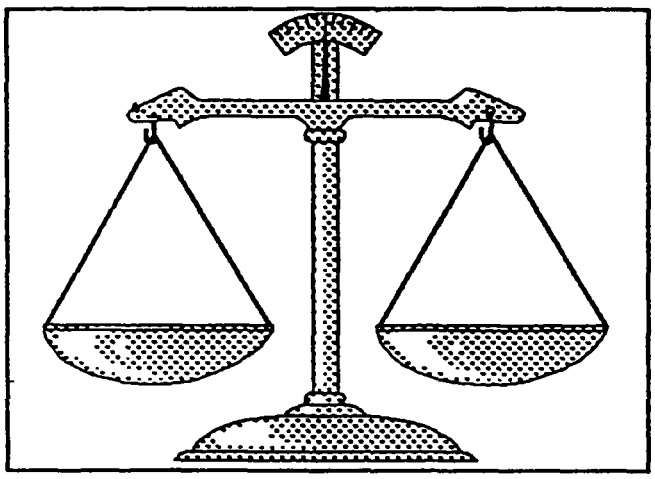
RUN NUMBER: 10014

TEST: Se 445

ANALYST: Jn 2520

DATE: 5 / 25 / 94

INSTRUMENT: #22



Reprep_____(complete)

Reprep_____(incomplete)

COMMENTS: _____

91CK1072.R6

PAGE 1 OF 6

METALS, GFAA

RUN: R218452

ANALYST: [illegible] 2520 REVIEWER: [illegible] RECORDER: [illegible]

DATE: 5/25/94 DATE: 5/26/94 DATE: 5/26/94

INSTRUMENT: # 22 ELEMENT: Se 645 WAVELENGTH: 196.0

CAL. CURVE:	0	0.010	0.020	0.040	0.050	mg/l
RESPONSE:	0.001	0.032	0.063	0.120	0.152	

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: 0.999 SLOPE: 0.334 Y INTERCEPT: 0.0006

SAMPLE:	ICV01	B1901	CDL	QC only C156493	DUP02	Spi02
TYPE:	G # 052594B		G050294F		C156493 Q924393	C156493 Q924397
E VALUE:	0.02		0.02		BDL	1.25
RESULT:	0.0215	BDL	0.0211	BDL	BDL	BDL / 1.08
UNITS:	mg/l			mg/kg	mg/kg	mg/kg
DET. LIMIT:	0.010			1.26	1.26	1.25
% RECOVERY:	108%		106%		0% rpt	86%
WT/VOL:				1.99	1.99	2.00
FINAL VOL:				50	50	50
DILUTE:				1:5	1:5	1:5
SAMABS:	0.066	0.001	0.065	0.008	0.007	0.027
AD1ABS:				0.028	0.029	
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 2 OF 6

METALS, GFAA

RUN:

ANALYST: Jn 2520 REVIEWER: RECORDER:

DATE: 5/25/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: Si 645 WAVELENGTH: 196.0

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	C156612	NCS	B1a02	CCV	B1a01	Sp102
TYPE:	M1252	Q928321	Q928322	G 050644F		C156711 Q928324
E VALUE:		0.05		0.02		0.05
RESULT:	BDL	0.053	BDL	0.0204	BDL	BDL / 0.049
UNITS:	mg/kg	mg/l →		mg/l →		mg/l
DET. LIMIT:	~~1.25~~ Cls 1.3	5-26-94 ~~0.010~~ 0.05 Jn 5-26-94	0.010	0.010 →		0.05
% RECOVERY:		106 %		102 %		98 %
WT/VOL:	2.01					50
FINAL VOL:	50	50	50			50
DILUTE:	1:5	1:5	–			1:5
SAMABS:	0.004	0.033	0.004	0.062	0.003	
AD1ABS:	0.026					
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 3 OF 6

METALS, GFAA

RUN:

ANALYST: Jn 2520 REVIEWER: RECORDER:

DATE: 5/25/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: Se 645 WAVELENGTH: 196.0

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	C156714	CCV	B1G01	LCS	B1G02	C156716
TYPE:	[illegible]			[illegible]	[illegible]	M6286
E VALUE:	BDL 0.01	0.02		0.05		BDL 0.01
RESULT:	(0.0004) BDL 0.0077	0.0189	BDL	0.052	BDL	(-0.0001) BDL 0.0074
UNITS:	mg/l	mg/l →		mg/l →		mg/l
DET. LIMIT:	0.010	0.010 →		0.05	0.010	0.010
% RECOVERY:	76%	95%		104%		75%
WT/VOL:	50					
FINAL VOL:	50			50	50	
DILUTE:	-			1:5		
SAMABS:	0.002	0.058	0.004	0.033	0.004	0.001
AD1ABS:	0.024					0.024
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 4 OF 6

METALS, GFAA

RUN:

ANALYST: In 2520 REVIEWER: RECORDER:

DATE: 5/25/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: Sc 645 WAVELENGTH: 196.0

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	DUP02	Sp102	CCU	Blaol	C156715	C156717
TYPE:	C156716 Q928487	C156716 Q928488			M6286	→
E VALUE:	BDL	0.05	0.02		BDL 0.01	BDL 0.01
RESULT:	BDL	BDL 0.048	0.0184	BDL	(0.0007) BDL 0.0076	(0.0006) BDL 0.0065
UNITS:	mg/l	mg/l	mg/l →		mg/l	mg/l
DET. LIMIT:	0.010	0.05	0.010 →		0.010	0.010
% RECOVERY:	0% rpt	96%	92%		83%	60%
WT/VOL:	50	50			50	50
FINAL VOL:	50	50			50	50
DILUTE:		1:5				
SAMABS:	0.003	0.030	0.056	0.002	0.001	0.003
AD1ABS:	0.026				0.024	0.021
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 5 OF 6

METALS, GFAA

RUN:

ANALYST: Jn 2520 REVIEWER: RECORDER:

DATE: 5/25/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: Se 645 WAVELENGTH: 196.0

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	CCV	Blaoi	C156706	C156707	LCS	Blaoz
TYPE:			M6286	M6286	G924391	G924392
E VALUE:	0.02		BDL 0.01	BDL 0.01	0.05	
RESULT:	0.0187	BDL	BDL (0.0052) 0.0093	(0.0009) BDL 0.0081	0.054	BDL
UNITS:	mg/l →		mg/l	mg/l	mg/l →	
DET. LIMIT:	0.010 →		0.05	0.05	0.05	0.010
% RECOVERY:	94%		61%	73%	108%	
WT/VOL:			50	50		
FINAL VOL:			50	50	50	50
DILUTE:			1:5	1:5	1:5	
SAMABS:	0.058	0.004	0.011	0.004	0.034	0.003
AD1ABS:			0.029	0.026		
AD2ABS:						
AD3ABS:						
COMMENT:						

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METALS, GFAA

RUN:

ANALYST: Jr 2520

REVIEWER:

RECORDER:

DATE: 5/25/94

DATE: / /

DATE: / /

INSTRUMENT: #22

ELEMENT: Se 645

WAVELENGTH: 196.0

CAL. CURVE:

RESPONSE:

ADD 1 CONC.:

ADD 2 CONC.:

ADD 3 CONC.:

C.C.:

SLOPE:

Y INTERCEPT:

SAMPLE:	CCV	B1a01	CDL			
TYPE:						
E VALUE:	0.02		0.02			
RESULT:	0.0191	BDL	0.0207			
UNITS:	mg/l →		mg/l			
DET. LIMIT:	0.010 →		0.010			
% RECOVERY:	96%		104%			
WT/VOL:						
FINAL VOL:						
DILUTE:						
SAMABS:	0.059	0.002	0.063			
AD1ABS:						
AD2ABS:						
AD3ABS:						
COMMENT:						

Se
In 5/25/94
Char mass:
100%

Element File: SE82290.GEL Element: Se Wavelength: 196.0
Date: 05/25/94 Time: 14:34 Slit: 2.0
Data File: SE052594.DAT ID/Wt File: PB052594.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 56
Remark 1: THIS FILE IS TO DETERMINE SE AT 5 PPB USING STANDARDS 10,20,
Remark 2: 40 AND 50 PPB. PALLADIUM IS THE MODIFIER USED. THIS IS CLP
Remark 3: PROTOCOL.

Se ID: Blank Seq. No.: 00001 A/S Pos.: 0 Date: 05/25/94

Replicate 1 Time: 14:36
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.022
lank Corrected Pk Area (A-s): -0.001

Auto-zero performed.

Se ID: Standard 1 Seq. No.: 00002 A/S Pos.: 36 Date: 05/25/94

Replicate 1 Time: 14:39
Peak Area (A-s): 0.031 Peak Height (A): 0.088 000148

Blank Corrected Pk Area (A-s): 0.032

Standard number 1 applied. [0.0100]
Correlation coefficient: 1.00000 Slope: 3.1936 Int: -0.000

~~~~~~

Se ID: Standard 2 Seq. No.: 00003 A/S Pos.: 37 Date: 05/25/94

Replicate 1 Time: 14:41
Peak Area (A-s): 0.062 Peak Height (A): 0.160
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.063
Concentration (mg/L): 0.0197

Standard number 2 applied. [0.0200]
Correlation coefficient: 0.99996 Slope: 3.1469 Int: 0.000

~~~~~~

Se ID: Standard 3 Seq. No.: 00004 A/S Pos.: 38 Date: 05/25/94

Replicate 1 Time: 14:44 **000144**
Peak Area (A-s): 0.119 Peak Height (A): 0.348
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.099
[illegible]

Standard number 3 applied. [0.04000]
Correlation coefficient: 0.99960 Slope: 2.9923 Int: 0.001

~~~~~~

ID: Standard 4 Seq. No.: 00005 A/S Pos.: 39 Date: 05/25/94

Replicate 1 Time: 14:47
Peak Area (A-s): 0.151 Peak Height (A): 0.417
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.116
Blank Corrected Pk Area (A-s): 0.152
Concentration (mg/L): 0.0503

Standard number 4 applied. [0.05000]
Correlation coefficient: 0.99979 Slope: 3.0049 Int: 0.001

~~~~~~

Se ID: ICV01 Seq. No.: 00006 A/S Pos.: 1 Date: 05/25/94

Replicate 1 Time: 14:49
Peak Area (A-s): 0.068 Peak Height (A): 0.159
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.069
Concentration (mg/L): 0.0224

Repeat In 5/26/94

~~~~~~

Se ID: ICV01 Seq. No.: 00008 A/S Pos.: 1 Date: 05/25/94

Replicate 1 Time: 14:53
Peak Area (A-s): 0.065 Peak Height (A): 0.163
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.066
Concentration (mg/L): 0.0215

~~~~~~

Se ID: BLA01 Seq. No.: 00009 A/S Pos.: 2 Date: 05/25/94

Replicate 1 Time: 14:55
Peak Area (A-s): 0.000 Peak Height (A): 0.011
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.0001

~~~~~~

Se ID: CDL Seq. No.: 00010 A/S Pos.: 3 Date: 05/25/94

Replicate 1 Time: 14:58
Peak Area (A-s): 0.064 Peak Height (A): 0.172
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.065
Concentration (mg/L): 0.0211

~~~~~~

Se ID: C156706 Seq. No.: 00011 A/S Pos.: 4 Date: 05/25/94

Replicate 1 Time: 15:01
Peak Area (A-s): 0.018 Peak Height (A): 0.049
Background Pk Area (A-s): 0.105 Background Pk Height (A): 0.082

Concentration (mg/L): 0.0056 Corrected Conc (mg/L): 0.029

Se ID: C156706 Seq. No.: 00012 A/S Pos.: 4 Date: 05/25/94

Replicate 1
Peak Area (A-s): 0.036
Background Pk Area (A-s): 0.104
Blank Corrected Pk Area (A-s): 0.036
Concentration (mg/L): 0.0117

Time: 15:03
Peak Height (A): 0.077
Background Pk Height (A): 0.080
Corrected Conc (mg/L): 0.059

Recovery is 59.6%

Se ID: C156707 Seq. No.: 00013 A/S Pos.: 5 Date: 05/25/94

Replicate 1
Peak Area (A-s): [illegible]
Background Pk Area (A-s): 0.077
Blank Corrected Pk Area (A-s): 0.005
Concentration (mg/L): 0.0011

Time: 15:06
Peak Height (A): 0.010
Background Pk Height (A): 0.033
Corrected Conc (mg/L): 0.006

Se ID: C156707 Seq. No.: 00014 A/S Pos.: 5 Date: 05/25/94

Replicate 1
Peak Area (A-s): 0.022
Background Pk Area (A-s): 0.076
Blank Corrected Pk Area (A-s): 0.023
Concentration (mg/L): [illegible]

Time: 15:09
Peak Height (A): 0.058
Background Pk Height (A): 0.041
Corrected Conc (mg/L): 0.035

Recovery is 59.7%

Repeat Sn 5-26-94

Se ID: LCS 924391 Seq. No.: 00015 A/S Pos.: 6 Date: 05/25/94

Replicate 1
Peak Area (A-s): 0.039
Background Pk Area (A-s): 0.051
Blank Corrected Pk Area (A-s): 0.039
Concentration (mg/L): 0.0127

Time: 15:11
Peak Height (A): 0.112
Background Pk Height (A): 0.042
Corrected Conc (mg/L): 0.064

Se ID: BLA02 924392 Seq. No.: 00016 A/S Pos.: 7 Date: 05/25/94

Replicate 1
Peak Area (A-s): 0.006
Background Pk Area (A-s): 0.038
Blank Corrected Pk Area (A-s): 0.006
Concentration (mg/L): 0.0017

Time: 15:14
Peak Height (A): 0.013
Background Pk Height (A): 0.019

Se ID: AS Position 37 Seq. No.: 00017 A/S Pos.: 37 Date: 05/25/94

paper ran out Sn 5/26/94

Se ID: C156493 1.99 Seq. No.: 00019 A/S Pos.: 8 Date: 05/25/94

Replicate 1 Time: 16:11
Peak Area (A-s): 0.007 Peak Height (A): 0.020
Background Pk Area (A-s): 0.203 Background Pk Height (A): 0.130
Blank Corrected Pk Area (A-s): 0.008
Concentration (mg/L): 0.0022 Corrected Conc (mg/L): 0.0054

Se ID: C156493 1.99 Seq. No.: 00020 A/S Pos.: 8 Date: 05/25/94

Replicate 1 Time: 16:13
Peak Area (A-s): 0.027 Peak Height (A): 0.073
Background Pk Area (A-s): 0.254 Background Pk Height (A): 0.175
Blank Corrected Pk Area (A-s): 0.028
Concentration (mg/L): 0.0089 Corrected Conc (mg/L): 0.0223

Recovery is 87.2%

Se ID: [illegible] Seq. No.: 00021 A/S Pos.: 9 Date: 05/25/94

Replicate 1 Time: [illegible]
Peak Area (A-s): [illegible] Peak Height (A): [illegible]

Background Pk Area (A-s): 0.262 Background Pk Height (A): 0.168
Blank Corrected Pk Area (A-s): 0.007
Concentration (mg/L): 0.0019 Corrected Conc (mg/L): 0.0047

Se ID: DUP 493 924393 Seq. No.: 00022 A/S Pos.: 9 Date: 05/25/94

Replicate 1 Time: 16:19
Peak Area (A-s): 0.028 Peak Height (A): 0.065
Background Pk Area (A-s): 0.281 Background Pk Height (A): 0.191
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.0091 Corrected Conc (mg/L): 0.0228

Recovery is 72.4%

Se ID: SP1 493 924394 Seq. No.: 00023 A/S Pos.: 10 Date: 05/25/94

Data disk full. Data storage turned off.
Replicate 1 Time: 16:21
Peak Area (A-s): 0.026 Peak Height (A): 0.073
Background Pk Area (A-s): 0.239 Background Pk Height (A): 0.184
Blank Corrected Pk Area (A-s): 0.027
Concentration (mg/L): 0.0066 Corrected Conc (mg/L): 0.0215

Se ID: C156612 2.01 Seq. No.: 00024 A/S Pos.: 11 Date: 05/25/94

Replicate 1 Time: 16:24
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.210 Background Pk Height (A): 0.099
Blank Corrected Pk Area (A-s): 0.004
Concentration (mg/L): 0.0008 Corrected Conc (mg/L): 0.0020

Se ID: C156612 2.01 Seq. No.: 00025 A/S Pos.: 11 Date: 05/25/94

Replicate 1 Time: 16:26
Peak Area (A-s): 0.025 Peak Height (A): 0.070
Background Pk Area (A-s): 0.205 Background Pk Height (A): 0.109
Blank Corrected Pk Area (A-s): 0.026
Concentration (mg/L): 0.0081 Corrected Conc (mg/L): 0.0202

Recovery is 73.1%

Se ID: C156586 Seq. No.: 00026 A/S Pos.: 12 Date: 05/25/94

Replicate 1 Time: 16:29
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.0003 Corrected Conc (mg/L): 0.002

Se ID: C156588 Seq. No.: 00027 A/S Pos.: 12 Date: 05/25/94

Replicate 1 Time: 16:32
Peak Area (A-s): 0.016 Peak Height (A): 0.047

Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.017
Concentration (mg/L): 0.0052 Corrected Conc (mg/L): 0.026

Recovery is 48.9% *Repeat In 5/25/94*

Se ID: LCS 928321 Seq. No.: 00028 A/S Pos.: 13 Date: 05/25/94

Replicate 1 Time: 16:34
Peak Area (A-s): 0.032 Peak Height (A): 0.078
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.033
Concentration (mg/L): 0.0106 Corrected Conc (mg/L): 0.053

Se ID: BLA02 928322 Seq. No.: 00029 A/S Pos.: 14 Date: 05/25/94

Replicate 1 Time: 16:36
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.004
Concentration (mg/L): 0.0008

Se ID: AS Position 07 Seq. No.: 00030 A/S Pos.: 07 Date: 05/25/94

Replicate 1 Time: 16:39
Peak Area (A-s): 0.062 Peak Height (A): 0.[illegible]46
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.062
Concentration (mg/L): 0.0204

Check sample is within range 0.0177 - 0.0[illegible]

Se ID: BLA01 Seq. No.: 00031 A/S Pos.: 0 Date: 05/25/94

Replicate 1 Time: 16:41
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.0004

Check sample is within range -0.00994 - 0.00994

Se ID: C156711 Seq. No.: 00032 A/S Pos.: 15 Date: 05/25/94

Replicate 1 Time: 16:44
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.195 Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.0001

Se ID: C156711 Seq. No.: 00033 A/S Pos.: 15 Date: 05/25/94

Replicate 1 Time: 16:46

Peak Area (A-s): 0.018 Peak Height (A): 0.061
kground Pk Area (A-s): 0.178 Background Pk Height (A): 0.077
nk Corrected Pk Area (A-s): 0.019
Concentration (mg/L): 0.0059

Recovery is 58.0%

~~~~~~

Se ID: DUP 711 928323 Seq. No.: 00034 A/S Pos.: 16 Date: 05/25/94

Replicate 1 Time: 16:49
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.193 Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.003
Concentration (mg/L): 0.0005

~~~~~~

Se ID: DUP 711 928323 Seq. No.: 00035 A/S Pos.: 16 Date: 05/25/94

Replicate 1 Time: 16:51
Peak Area (A-s): 0.019 Peak Height (A): 0.058
Background Pk Area (A-s): 0.173 Background Pk Height (A): 0.074
Blank Corrected Pk Area (A-s): 0.020
Concentration (mg/L): 0.0061

Recovery is 54.4%

Repeat 5/26/94

~~~~~~

Se ID: SPI 711 928324 Seq. No.: 00036 A/S Pos.: 17 Date: 05/25/94

Replicate 1 Time: 16:54
Peak Area (A-s): 0.0[illegible] Peak Height (A): 0.400
Background Pk Area (A-s): 0.095 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.0[illegible]
Concentration (mg/L): 0.0099 Corrected Conc (mg/L): 0.049

~~~~~~

Se ID: SPI 711 928324 Seq. No.: 00037 A/S Pos.: 17 Date: 05/25/94

Replicate 1 Time: 16:56
Peak Area (A-s): 0.048 Peak Height (A): 0.139
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.048
Concentration (mg/L): 0.0157 Corrected Conc (mg/L): 0.07[illegible]

Recovery is 57.9%

~~~~~~

Se ID: MSP/711 Seq. No.: 00038 A/S Pos.: 18 Date: 05/25/94

Replicate 1 Time: 16:59
Peak Area (A-s): 0.029 Peak Height (A): 0.067
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.051
ank Corrected Pk Area (A-s): 0.030
ncentration (mg/L): 0.0095 Corrected Conc (mg/L): 0.047

~~~~~~

Se ID: MSP/711 Seq. No.: 00039 A/S Pos.: 18 Date: 05/25/94

Replicate 1 Time: 17:01
Peak Area (A-s): 0.050 Peak Height (A): 0.128
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.051
Concentration (mg/L): 0.0164 Corrected Conc (mg/L): 0.082

Recovery is 69.7%

~~~~~~

Se ID: C156691 Seq. No.: 00040 A/S Pos.: 19 Date: 05/25/94

Replicate 1 Time: 17:04
Peak Area (A-s): 0.016 Peak Height (A): 0.032
Background Pk Area (A-s): 0.178 Background Pk Height (A): 0.087
Blank Corrected Pk Area (A-s): 0.016
Concentration (mg/L): 0.0050 Corrected Conc (mg/L): 0.025

~~~~~~

Se ID: C156691 Seq. No.: 00041 A/S Pos.: 19 Date: 05/25/94

Replicate 1 Time: 17:06
Peak Area (A-s): 0.009 Peak Height (A): 0.017
Background Pk Area (A-s): 0.181 Background Pk Height (A): 0.137
Blank Corrected Pk Area (A-s): 0.010
Concentration (mg/L): 0.0028 Corrected Conc (mg/L): 0.014

Recovery is -28.8% Repeat In 5-25-94

~~~~~~

Se ID: C156712 Seq. No.: 00042 A/S Pos.: 20 Date: 05/25/94

Replicate 1 Time: 17:09
Peak Area (A-s): 0.018 Peak Height (A): 0.041
Background Pk Area (A-s): 0.193 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.005
Concentration (mg/L): 0.0013

~~~~~~

Se ID: C156712 Seq. No.: 00043 A/S Pos.: 20 Date: 05/25/94

Replicate 1 Time: 17:11
Peak Area (A-s): 0.016 Peak Height (A): 0.044
Background Pk Area (A-s): 0.167 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.019
Concentration (mg/L): 0.0058

Recovery is 44.6% Repeat In 5/25/94

~~~~~~

Se ID: C156714 Seq. No.: 00044 A/S Pos.: 21 Date: 05/25/94

Replicate 1 Time: 17:14
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.189 Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.0001

~~~~~~

Se ID: C156714 Seq. No.: 00045 A/S Pos.: 21 Date: 05/25/94

Replicate 1 Time: 17:16
k Area (A-s): 0.024 Peak Height (A): 0.064
kground Pk Area (A-s): 0.185 Background Pk Height (A): 0.079
Blank Corrected Pk Area (A-s): 0.024
Concentration (mg/L): 0.0077

Recovery is 76.3%

~~~~~~

Se ID: AS Position 22 Seq. No.: 00046 A/S Pos.: 22 Date: 05/25/94

Replicate 1 Time: 17:19
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): -0.0004

~~~~~~

Se ID: AS Position 22 Seq. No.: 00047 A/S Pos.: 22 Date: 05/25/94

Replicate 1 Time: 17:2[illegible]
Peak Area (A-s): 0.016 Peak Height (A): [illegible].046
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.016
Concentration (mg/L): 0.0057

Recovery is 51.3%

~~~~~~

Se ID: AS Position 37 Seq. No.: 00048 A/S Pos.: 37 Date: 05/25/94

Replicate 1 Time: 17:[illegible]
Peak Area (A-s): 0.057 Peak Height (A): [illegible]
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.058
Concentration (mg/L): 0.0189

Check sample is within range 0.0179 - 0.[illegible]

~~~~~~

Se ID: BLA01 Seq. No.: 00049 A/S Pos.: 0 Date: 05/25/94

Replicate 1 Time: 17:26
Peak Area (A-s): 0.004 Peak Height (A): 0.010
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.004
Concentration (mg/L): 0.0010

Check sample is within range -0.00994 - 0.00994

~~~~~~

Se ID: LCS 928485 Seq. No.: 00050 A/S Pos.: 23 Date: 05/25/94

plicate 1 Time: 17:29
ak Area (A-s): 0.032 Peak Height (A): 0.077
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.033
Concentration (mg/L): 0.0105 Corrected Conc (mg/L): 0.052
~~~~~~

Se ID: LCS 928485 Seq. No.: 00051 A/S Pos.: 23 Date: 05/25/94

Replicate 1 Time: 17:31
Peak Area (A-s): 0.057 Peak Height (A): 0.146
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.057
Concentration (mg/L): 0.0187 Corrected Conc (mg/L): 0.093

Recovery is 82.2%

Se ID: BLA02 928486 Seq. No.: 00052 A/S Pos.: 24 Date: 05/25/9

Replicate 1 Time: 17:34
Peak Area (A-s): 0.005 Peak Height (A): 0.01[illegible]
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.00[illegible]
Concentration (mg/L): 0.0016

Se ID: BLA02 928488 Seq. No.: 00053 A/S Pos.: 24 Date: 05/25/94

Replicate 1 Time: 17:37
Peak Area (A-s): 0.007 Peak Height (A): 0.07[illegible]
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.[illegible]
Concentration (mg/L): 0.00[illegible]

Recovery is 32.7%

Se ID: C156710 Seq. No.: 00054 A/S Pos.: 25 Date: 05/25/9[illegible]

Replicate 1 Time: 17:39
Peak Area (A-s): 0.001 Peak Height (A): 0.00[illegible]
Background Pk Area (A-s): 0.170 Background Pk Height (A): 0.075
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.000[illegible]

Se ID: C156716 Seq. No.: 00055 A/S Pos.: 26 Date: 05/25/9[illegible]

Replicate 1 Time: 17:42
Peak Area (A-s): 0.023 Peak Height (A): 0.064
Background Pk Area (A-s): 0.164 Background Pk Height (A): 0.075
Blank Corrected Pk Area (A-s): 0.024
Concentration (mg/L): 0.0074

Recovery is 74.9%

Se ID: DUP 716 928487 Seq. No.: 00056 A/S Pos.: 26 Date: 05/25/94

Replicate 1 Time: 17:44
Peak Area (A-s): 0.002 Peak Height (A): 0.009
Background Pk Area (A-s): 0.175 Background Pk Height (A): 0.076
Blank Corrected Pk Area (A-s): 0.003
Concentration (mg/L): 0.0006

Se ID: DUP 716 928487 Seq. No.: 00057 A/S Pos.: 26 Date: 05/25/94

Replicate 1 Time: 17:47
Peak Area (A-s): 0.025 Peak Height (A): 0.060
Background Pk Area (A-s): 0.177 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.026
Concentration (mg/L): 0.0082

Recovery is 75.8%

Se ID: SPI 716 928488 Seq. No.: 00058 A/S Pos.: 27 Date: 05/25/94

Replicate 1 Time: 17:49
Peak Area (A-s): 0.030 Peak Height (A): 0.053
Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.030
Concentration (mg/L): 0.0097 Corrected Conc (mg/L): 0.048

Se ID: SPI 716 928488 Seq. No.: 00059 A/S Pos.: 27 Date: 05/25/94

Replicate 1 Time: 17:52
Peak Area (A-s): 0.133 Peak Height (A): 0.103
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.053
Concentration (mg/L): 0.0173 Corrected Conc (mg/L): 0.087

Recovery is 75.5%

Se ID: MSF/716 Seq. No.: 00060 A/S Pos.: 28 Date: 05/25/94

Replicate 1 Time: 17:54
Peak Area (A-s): 0.034 Peak Height (A): 0.057
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.034
Concentration (mg/L): 0.0110 Corrected Conc (mg/L): 0.055

Se ID: MSF/716 Seq. No.: 00061 A/S Pos.: 28 Date: 05/25/94

Replicate 1 Time: 17:57
Peak Area (A-s): 0.055 Peak Height (A): 0.107
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.056
Concentration (mg/L): 0.0182 Corrected Conc (mg/L): 0.091

Recovery is 71.4%

Se ID: AS Position 37 Seq. No.: 00062 A/S Pos.: 37 Date: 05/25/94

licate 1 Time: 17:59
Peak Area (A-s): 0.056 Peak Height (A): 0.112
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.056
Concentration (mg/L): 0.0184

Check sample is within range [illegible] - 0.0880

~~~~~~

L ID: BLA01 Seq. No.: 00063 A/S Pos.: 0 Date: 05/25/94

Replicate 1 Time: 18:02
Peak Area (A-s): 0.001 Peak Height (A): 0.010
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.0002

Check sample is within range -0.00994 - 0.00994

~~~~~~

S[illegible] ID: C156715 Seq. No.: 00064 A/S Pos.: 29 Date: 05/25/94

Replicate 1 Time: 18:04
Peak Area (A-s): -0.002 Peak Height (A): 0.010
Background Pk Area (A-s): 0.205 Background Pk Height (A): 0.090
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): -0.0007

~~~~~~

S[illegible] ID: C156715 Seq. No.: 00065 A/S Pos.: 29 Date: 05/25/94

Replicate 1 Time: 18:[illegible]
Peak Area (A-s): 0.[illegible] Peak Height (A): 0.[illegible]
Background Pk Area (A-s): 0.[illegible] Background Pk Height (A): 0.082
Blank Corrected Pk Area (A-s): 0.[illegible]
Concentration (mg/L): 0.[illegible]

Recovery is [illegible]%

~~~~~~

S[illegible] ID: C156717 Seq. No.: 00066 A/S Pos.: 30 Date: 05/25/94

Replicate 1 Time: 18:09
Peak Area (A-s): 0.001 Peak Height (A): 0.010
Background Pk Area (A-s): 0.206 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.003
Concentration (mg/L): 0.0006

~~~~~~

S[illegible] ID: C156717 Seq. No.: 00067 A/S Pos.: 30 Date: 05/25/94

Replicate 1 Time: 18:12
Peak Area (A-s): 0.030 Peak Height (A): 0.057
Background Pk Area (A-s): 0.203 Background Pk Height (A): 0.087
Blank Corrected Pk Area (A-s): 0.021
Concentration (mg/L): 0.0065

Recovery is 59.6%

~~~~~~

ID: C156718 Seq. No.: 00068 A/S Pos.: 31 Date: 05/25/94

Replicate 1 Time: 18:14
Peak Area (A-s): 0.003 Peak Height (A): 0.009
Background Pk Area (A-s): 0.158 Background Pk Height (A): 0.071

Blank Corrected Pk Area (A-s): 0.004
Concentration (mg/L): 0.0008

~~~~~~

Se ID: C156718 Seq. No.: 00069 A/S Pos.: 31 Date: 05/25/94

Replicate 1 Time: 18:17
Peak Area (A-s): 0.019 Peak Height (A): 0.058
Background Pk Area (A-s): 0.165 Background Pk Height (A): 0.072
Blank Corrected Pk Area (A-s): 0.019
Concentration (mg/L): 0.0060

Recovery is 52.0%

~~~~~~

Se ID: C156719 Seq. No.: 00070 A/S Pos.: 32 Date: 05/25/94

Replicate 1 Time: 18:19
Peak Area (A-s): 0.003 Peak Height (A): 0.009
Background Pk Area (A-s): 0.177 Background Pk Height (A): 0.073
Blank Corrected Pk Area (A-s): 0.003
Concentration (mg/L): 0.0007

~~~~~~

Se ID: C156719 Seq. No.: 0007[illegible] A/S Pos.: 32 Date: 05/25/94

Replicate 1 Time: [illegible]
Peak Area (A-s): 0.020 Peak Height (A): [illegible]
Background Pk Area (A-s): 0.165 Background Pk Height (A): 0.077
Blank Corrected Pk Area (A-s): 0.[illegible]
Concentration (mg/L): 0.0065

Recovery is 57.[illegible]%

Repeat [illegible] 5/26/94

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Se ID: ICV01 Seq. No.: 0007[illegible] A/S Pos.: 3[illegible] Date: 05/25/94

Replicate 1 Time: 18:24
Peak Area (A-s): 0.056 Peak Height (A): 0.105
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.057
Concentration (mg/L): 0.0184

~~~~~~

Se ID: AS Position 37 Seq. No.: 0007[illegible] A/S Pos.: 37 Date: 05/25/94

Replicate 1 Time: 18:27
Peak Area (A-s): 0.057 Peak Height (A): 0.103
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.058
Concentration (mg/L): 0.0187

Check sample is within range 0.0179 - 0.0220

~~~~~~

Se ID: BLA01 Seq. No.: 00074 A/S Pos.: 0 Date: 05/25/94

Replicate 1 Time: 18:29
Peak Area (A-s): 0.003 Peak Height (A): 0.009

Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.004
Concentration (mg/L): 0.0008

Check sample is within range -0.00994 - 0.00994

Se ID: CDL Seq. No.: 00075 A/S Pos.: 34 Date: 05/25/94

Replicate 1 Time: 18:32
Peak Area (A-s): 0.058 Peak Height (A): 0.111
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.059
Concentration (mg/L): 0.0193

Se ID: AS Position 37 Seq. No.: 00076 A/S Pos.: 37 Date: 05/25/94

Replicate 1 Time: 18:34
Peak Area (A-s): 0.0[illegible] Peak Height (A): 0.113
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.061
Concentration (mg/L): 0.0203

Check sample is within range 0.0179 - 0.0220

Se ID: BLA01 Seq. No.: 00077 A/S Pos.: 0 Date: 05/25/94

Replicate 1 Time: 18:37
Peak Area (A-s): 0.00[illegible] Peak Height (A): 0.0[illegible]
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.00[illegible]
Concentration (mg/L): 0.0003

Check sample is within range -0.00994 - 0.00994

Se ID: AS Position 37 Seq. No.: 00078 A/S Pos.: 37 Date: 05/26/94

Replicate 1 Time: 06:30
Peak Area (A-s): 0.0[illegible] Peak Height (A): 0.1[illegible]
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.059
Concentration (mg/L): 0.0192

Check sample is within range 0.0179 - 0.0220

Se ID: BLA01 Seq. No.: 00079 A/S Pos.: 0 Date: 05/26/94

Replicate 1 Time: 06:33
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.0003

Check sample is within range -0.00994 - 0.00994

~~~~~~

ID: C156706 Seq. No.: 00081 A/S Pos.: 4 Date: 05/26/94

Replicate 1 Time: 06:37
Peak Area (A-s): 0.010 Peak Height (A): 0.020
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.011
Concentration (mg/L): 0.0032 Corrected Conc (mg/L): 0.016

~~~~~~

Se ID: C156706 Seq. No.: 00082 A/S Pos.: 4 Date: 05/26/94

Replicate 1 Time: 06:40
Peak Area (A-s): 0.029 Peak Height (A): 0.056
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.0093 Corrected Conc (mg/L): 0.046

Recovery is 61.2%

~~~~~~

Se ID: C156707 Seq. No.: 00083 A/S Pos.: 5 Date: 05/26/94

Replicate 1 Time: 06:42
Peak Area (A-s): 0.003 Peak Height (A): 0.010
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.026
Blank Corrected Pk Area [illegible]
Concentration (mg/L): 0.0008 Corrected Conc (mg/L): 0.004

~~~~~~

Se ID: C156707 Seq. No.: 00084 A/S Pos.: 5 Date: 05/26/94

Replicate 1 Time: 06:45
Peak Area (A-s): 0.025 Peak Height (A): 0.053
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.025
Concentration (mg/L): 0.0081 Corrected Conc (mg/L): 0.041

Recovery is 72.7%

~~~~~~

Se ID: LCS 924391 Seq. No.: 00085 A/S Pos.: 6 Date: 05/26/94

Replicate 1 Time: 06:48
Peak Area (A-s): 0.035 Peak Height (A): 0.072
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.034
Concentration (mg/L): 0.0109 Corrected Conc (mg/L): 0.054

~~~~~~

Se ID: BLA02 924392 Seq. No.: 00086 A/S Pos.: 7 Date: 05/26/94

Replicate 1 Time: 06:50
ak Area (A-s): 0.002 Peak Height (A): 0.012
ckground Pk Area (A-s): 0.044 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.003
Concentration (mg/L): 0.0006

0^^--8

Se ID: AS Position 37 Seq. No.: 00087 A/S Pos.: 37 Date: 05/26/94

..eplicate 1 Time: 06:59
Peak Area (A-s): 0.058 Peak Height (A): 0.113
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.059
Concentration (mg/L): 0.0191

Check sample is within range 0.0179 - 0.0220

Se ID: BLA01 Seq. No.: 00088 A/S Pos.: 0 Date: 05/26/94

Replicate 1 Time: 07:01
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.0003

Check sample is within range -0.00994 - 0.0099-

Se ID: C156568 Seq. No.: 00090 A/S Pos.: 12 Date: 05/26/94

Replicate 1 Time: 07:05
Peak Area (A-s): 0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.0002 Corrected Conc (mg/L): -0.001

Se ID: [illegible] Seq. No.: 00091 A/S Pos.: 12 Date: 05/26/94

Replicate 1 Time: 07:07
Peak Area (A-s): 0.027 Peak Height (A): 0.065
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.027
Concentration (mg/L): 0.0087 Corrected Conc (mg/L): 0.044

Recovery is 89.2%

Se ID: C156711 Seq. No.: 00092 A/S Pos.: 15 Date: 05/26/94

Replicate 1 Time: 07:14
Peak Area (A-s): 0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.0004 Corrected Conc (mg/L): 0.002

Se ID: C156711 Seq. No.: 00093 A/S Pos.: 15 Date: 05/26/94

eplicate 1 Time: 07:17
Peak Area (A-s): 0.029 Peak Height (A): 0.084
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.0093 Corrected Conc (mg/L): 0.047

Recovery is 89.0%

~~~~~~

ID: DUP 711 928323 Seq. No.: 00094 A/S Pos.: 16 Date: 05/26/94

Replicate 1 Time: 07:19
Peak Area (A-s): 0.000 Peak Height (A): 0.011
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.0002 Corrected Conc (mg/L): -0.001

~~~~~~

Se ID: DUP 711 928323 Seq. No.: 00095 A/S Pos.: 16 Date: 05/26/94

Replicate 1 Time: 07:22
Peak Area (A-s): 0.029 Peak Height (A): 0.078
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.030
Concentration (mg/L): 0.0095 Corrected Conc (mg/L): 0.049

Recovery is 96.9%

~~~~~~

Se ID: C156691 Seq. No.: 00096 A/S Pos.: [illegible] Date: 05/26/94

Replicate 1 Time: 07:26
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): 0.087 Background Pk Height (A): [illegible]
Blank Corrected Pk Area (A-s): 0.015
Concentration (mg/L): 0.0044 Corrected Conc (mg/L): [illegible]

~~~~~~

Se ID: C156691 Seq. No.: 00097 A/S Pos.: [illegible] Date: 05/26/94

Replicate 1 Time: 07:29
Peak Area (A-s): 0.013 Peak Height (A): 0.034
Background Pk Area (A-s): 0.098 Background Pk Height (A): [illegible]
Blank Corrected Pk Area (A-s): 0.015
Concentration (mg/L): 0.0047 Corrected Conc (mg/L): 0.047

Recovery is 3.1%

~~~~~~

Se ID: C156712 Seq. No.: 00099 A/S Pos.: 20 Date: 05/26/94

Replicate 1 Time: 07:32
Peak Area (A-s): 0.005 Peak Height (A): 0.009
Background Pk Area (A-s): 0.081 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.006
Concentration (mg/L): 0.0016 Corrected Conc (mg/L): 0.008

~~~~~~

Se ID: C156712 Seq. No.: 00100 A/S Pos.: 20 Date: 05/26/94

Peak Area (A-s): 0.037
Background Pk Area (A-s): 0.065
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.0094

Peak Height (A): 0.070
Background Pk Height (A): 0.046

Corrected Conc (mg/L): 0.047

Recovery is 77.4%

~~~~~~

ID: AS Position 37 Seq. No.: 00101 A/S Pos.: 37 Date: 05/26/94

Replicate 1 Time: 07:37
Peak Area (A-s): 0.053 Peak Height (A): 0.097
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.053
Concentration (mg/L): 0.0174

Check sample is out of range 0.0179 - 0.0220

~~~~~~

Se ID: BLA01 Seq. No.: 00102 A/S Pos.: 0 Date: 05/26/94

Replicate 1 Time: 07:39
Peak Area (A-s): 0.002 Peak Height (A): 0.009
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.003
Concentration (mg/L): 0.0006

Check sample is within range -0.00994 - 0.00994

~~~~~~

Se ID: CDL Seq. No.: 00104 A/S Pos.: 3 Date: 05/26/94

Replicate 1 Time: 07:42
Peak Area (A-s): 0.063 Peak Height (A): 0.110
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.063
Concentration (mg/L): 0.0207
~~~~~~

ANALYSIS RUN: R218566

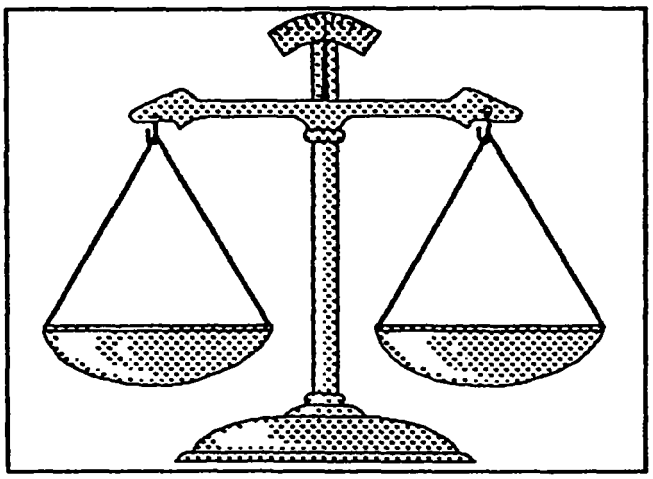
RUN NUMBER: 10007

TEST: Cr

ANALYST: AUGUST

DATE: 5/24/97

INSTRUMENT: 97-1



Reprep_____(complete)

Reprep_____(incomplete)

COMMENTS: _____

91CK1072.R6

PAGE 1 OF 4

METALS, ATOMIC SPECTROSCOPY

TEST:

ELEMENT: Cr

INSTRUMENT: 97-1

WAVELENGTH: 357.9 nm

ANALYST: AM2948

DATE: 5/23/94 (24) AM2948

CALIBRATION CURVE: 0.00 0.50 1.00 2.00 3.00 4.00 mg/L

ABSORBANCE: -0.000 0.027 0.054 0.103 0.164 0.190

REVIEWER: R218566

DATE: 5/27/94

RECORDER: CLS

DATE: 5/27/94

C.C.: 0.9950

SLOPE: 20.13

Y INTERCEPT: -0.055

0001647

CONC.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL	FINAL VOL	COMMENT
0.076	✓	ICV01	19.5	1.50	1.47	mg/L	0.05	100				
-0.000	✓	BLA01			BDL							
0.011	✓	CCL		0.200	0.166			83				
0.103	✓	CCV01		2.00	2.02			101				
-0.000	✓	BLA01			BDL							
0.056	✓	LCS	Q924395	1.00	1.07			107				18338
-0.000	✓	BLA02	Q924396		BDL							
-0.000	X	C156607	QC ONLY		BDL	mg/kg	2.5			1.99 g	100 mL	
-0.000	✓	DUP02 C156607	Q924397	BDL	BDL			0		1.99 g		
0.057	✓	SP102 C156607	Q924398	1.00	~~BDL~~ 1.09			109		1.99 g		
0.003	✓	C156596	M110.1		BDL					1.98 g		
AM 5/27/94 ~~CCV01~~ 0.102	✓	CCV01		2.00 AM 5/27/94	2.03	mg/L	0.05					
AM 5/27/94 ~~BLA01~~ -0.000	✓	BLA01		AM2948 ~~2.00~~				101				

91CK1066.R6

PAGE 2 OF 4

METALS, ATOMIC SPECTROSCOPY

TEST:

ELEMENT: Cu

INSTRUMENT: 977-1

WAVELENGTH: 3579 nm

ANALYST: AM2949

DATE: 5/24/94

CALIBRATION CURVE:

ABSORBANCE:

REVIEWER:

DATE: / /

RECORDER:

DATE: / /

C.C.:

SLOPE:

Y INTERCEPT:

CONC.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL	FINAL VOL	COMMENT
0.054	✓	LCS	Q926841	1.00	1.03	mg/L	0.05	103				1838B
0.000	✓	BLA02	Q926842		<0.03							
0.000	X	B126261	QC ONLY		BDL	mg/kg	2.5			1.99g	100 mls	
0.000	✓	DUP02 B126261	Q926843	BDL	BDL			0		2.00g		
0.059	✓	SP100 B126261	Q926844	1.00	~~BDL~~ 1.13			113		1.99g		
0.000	✓	C156720	MB		BDL					2.03g		
0.032	✓	C156722			29					2.03g		
0.002	✓	C156723			BDL					1.97g		
0.104	✓	BLW01		2.00	2.04	mg/L	0.05	102				
-0.000	✓	BLA01			BDL							
0.051	✓	LCS	Q928479	1.00	0.972			97				1843A
-0.001	✓	BLA02	Q928480		~~BDL~~ <0.03							
~~-0.001~~ 0.054	✓	M710.5	C156715	~~BDL~~ 1.00	~~BDL 0.08~~ 1.03		0.10	103				

AM2949

91CK1066.R6

000165

PAGE 3 OF 4

METALS, ATOMIC SPECTROSCOPY

TEST:

ELEMENT: Cr

INSTRUMENT: 4P7-1

WAVELENGTH: 357.9 nm

ANALYST: AM2948

DATE: 5/24/94

CALIBRATION CURVE:

ABSORBANCE:

REVIEWER:

DATE: / /

RECORDER:

DATE: / /

C.C.:

SLOPE:

Y INTERCEPT:

000166

CONC.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT 0.10	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.000 / 0.054	✓	DUPO2 C156715	Q928481	BDL	BDL	mg/L	~~0.05~~ 5-27-94	0		50 mls	50 mls	
0.041	✓	SPIO2 C156715	Q928482	1.00	BDL / 0.770			77				
0.041	X	MSP		1.00	0.770			77				
0.001 / 0.053	✓	C156716	M710.5	BDL / 1.00	BDL / 1.01			101				
0.102	✓	CCV01		2.00	2.00			100				
0.000	✓	BLA01			BDL							
0.001 / 0.055	✓	C156717	M710.5	BDL / 1.00	BDL / 1.05			105		50 mls	50 mls	
0.002 / 0.055	✓	C156718		BDL / 1.00	BDL / 1.05			105				
0.003 / 0.056	✓	C156719		BDL / 1.00	BDL / 1.07			107				
0.079	✓	CCV01	1915	1.50	1.54			103				
0.011	✓	CDL		0.200	0.166			83				
0.000	✓	BLA01			BDL							

91CK1066.R6

PAGE 4 OF 4

METALS

RUN #

INSTRUMENT: 97-1

WAVELENGTH: 357.9 nm

TEST: M710.5

ANALYST: AM 2948

REVIEWER:

RECORDER:

DATE: 5/24/94

DATE: / /

DATE: / /

CALIBRATION: 0.00 0.50 1.00 1.50 2.00 7.00 mg/L

RESPONSE: -0.000 0.027 0.054 0.103 0.164 0.190

C.C.: 0.9950

SLOPE: 20.13

Y INTERCEPT: -0.0551

SAMPLE:	C156715	Dup02 C156715	C156716	C156717	C156718	C156719
TYPE:						
SAMPLE RESULT:	BDL	BDL	BDL			
CORRECTED RESULT:						
M.S. TRUE VALUE:						
SAMPLE + M.S.:	1.03		BDL 1.01 1.03 2948	BDL 1.05	BDL 1.05	BDL 1.07
MS % REC.:	103		101	105	105	107
ADD 1:	1.0		1.0			
SAMPLE:	-0.001		0.001	0.001	0.002	0.003
SAMPLE + ADD 1:	1.03		1.01 ~~1.05~~ 2948	1.05	1.05	1.07
DILUTION:						
DET. LIMIT:	0.08					
UNITS:	mg/L					
WT./VOL.:	50 mls					
FINAL VOL.:	50 mls					
COMMENTS:						

AM 2948

91CK1073.R6

000187

97-1
357.9 nm
Aug 48
5-23-94

-0.000 Z
0.000 Z
-0.000 Z
0.000AV
0.000
0.000
-0.000
0 -0.000AV
0.027
0.027
0.027
0.5 0.027AV 012494A
0.054
0.054
0.054
1 0.054AV 042694D
0.103
0.103
0.103
2 0.103AV 050294I
0.166
0.163
0.163
3 0.164AV 042594A
0.190
0.190
0.191
4 0.190AV F052394F
0.076
0.076
0.076
ICV01 1915 0.076AV 030494B
0.000
-0.001
-0.000
BLA01 0 -0.000AV
0.011
0.010
0.011
CDL 0.2 0.011AV F050994C
0.103
0.102
0.103
CCV01 2.0 0.103AV 050294I
-0.000
-0.000
-0.000
0 -0.000AV
0.056
0.056
0.056
4395 0.056AV
-0.000
-0.001
-0.001
4396 -0.000AV
-0.001
-0.000
-0.000

```
        -0.001
        -0.000
        -0.000
4397    -0.000AV
         0.057
         0.057
         0.057
4398     0.057AV
         0.004
         0.003
         0.003
 596     0.003AV
         0.103
         0.103
         0.103
 2       0.103AV   050714I
        -0.000
        -0.000
        -0.000
 0      -0.000AV
         0.054
         0.055
         0.055
6841     0.054AV   1838B
        -0.000
         0.001
         0.000
6842     0.000AV
         0.000
         0.000
         0.000
 261     0.000AV
         0.000
         0.000
         0.001
6843     0.000AV
         0.060
         0.058
         0.059
6844     0.059AV
        -0.000
        -0.000
            01 E
 720     0.000AV
         0.032
         0.032
         0.033
 722     0.032AV
         0.002
         0.001
         0.001
 723     0.002AV
         0.104
         0.104
         0.105
 2       0.104AV   050714I
        -0.000
        -0.000
        -0.000
 0      -0.000AV
         0.051
         0.051
         0.051
8479     0.051AV   1843A
        -0.001
```

000169

	-0.001
.8480	-0.001AV
	-0.001
	-0.001
	-0.000
715	-0.001AV
	0.054
	0.054
	0.054
1	0.054AV
	0.000
	0.000
	0.000
8481	0.000AV
	0.054
	0.054
	0.054
1	0.054AV
	0.042
	0.041
	0.041
8482	0.041AV
	0.041
	0.041
	0.041
777	0.041AV
	0.001
	0.001
	0.001
716	0.001AV
	0.054
	0.053
	0.053
1	0.053AV
	0.102
	0.102
	0.101
2	0.102AV 050794 I
	0.000
	0.001
	0.000
0	0.000AV
	0.001
	0.001
	0.001
717	0.001AV
	0.056
	0.055
	0.055
1	0.055AV
	0.002
	0.002
	0.002
718	0.002AV
	0.055
	0.056
	0.055
1	0.055AV
	0.003
	0.003
	0.003
719	0.003AV
	0.056
	0.057

	0.079	
	0.079	
	0.078	
1915	0.079AV	030494B
	0.012	
	0.011	
	0.010	
2	0.011AV	F050994C
	0.000	
	0.000	
	-0.000	
0	0.000AV	

HERITAGE LABORATORIES, INC
Analytical Worksheet for Run R219089

Instrument: ICP, SIMULTANEOUS
Analyst: 3487 KANAPILLY, SANDRA
Started: 02-JUN-94 13:00:00 Reviewer: CARROLL, MELODY Recorder: DATA ENTRY, AUTOMATED
Ended: 02-JUN-94 16:00:00 Date: 03-JUN-94 Date: 03-JUN-94

SAMPLE	TEST	R	ST	FILE	EMP	DATE	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	%REC	RPD
Q935613			7		3487	02JUN	ALUMINUM	CCV	4.91		MG/L		CCV-R	5		98	
					3487	02JUN	ANTIMONY	CCV	1.03		MG/L		CCV-R	1		103	
					3487	02JUN	ARSENIC	CCV	5.12		MG/L		CCV-R	5		102	
					3487	02JUN	BARIUM	CCV	5.04		MG/L		CCV-R	5		101	
					3487	02JUN	BERYLLIUM	CCV	5.01		MG/L		CCV-R	5		100	
					3487	02JUN	CADMIUM	CCV	5.10		MG/L		CCV-R	5		102	
					3487	02JUN	CHROMIUM	CCV	5.09		MG/L		CCV-R	5		102	
					3487	02JUN	COBALT	CCV	5.10		MG/L		CCV-R	5		102	
					3487	02JUN	COPPER	CCV	5.09		MG/L		CCV-R	5		102	
					3487	02JUN	IRON	CCV	5.11		MG/L		CCV-R	5		102	
					3487	02JUN	LEAD	CCV	5.03		MG/L		CCV-R	5		101	
					3487	02JUN	MANGANESE	CCV	5.09		MG/L		CCV-R	5		102	
					3487	02JUN	NICKEL	CCV	5.10		MG/L		CCV-R	5		102	
					3487	02JUN	POTASSIUM	CCV	4.92		MG/L		CCV-R	5		98	
					3487	02JUN	SELENIUM	CCV	5.04		MG/L		CCV-R	5		101	
					3487	02JUN	SILVER	CCV	1.01		MG/L		CCV-R	1		101	
					3487	02JUN	STRONTIUM	CCV	5.06		MG/L		CCV-R	5		101	
					3487	02JUN	THALLIUM	CCV	5.07		MG/L		CCV-R	5		101	
					3487	02JUN	VANADIUM	CCV	5.08		MG/L		CCV-R	5		102	
					3487	02JUN	ZINC	CCV	5.11		MG/L		CCV-R	5		102	
Q935612			7		3487	02JUN	ALUMINUM	BLA01	0.02	<	MG/L		BLA01-R				
					3487	02JUN	ANTIMONY	BLA01	0.012	<	MG/L		BLA01-R				
					3487	02JUN	ARSENIC	BLA01	0.04	<	MG/L		BLA01-R				
					3487	02JUN	BARIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	BERYLLIUM	BLA01	0.002	<	MG/L		BLA01-R				
					3487	02JUN	CADMIUM	BLA01	0.002	<	MG/L		BLA01-R				
					3487	02JUN	CHROMIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	COBALT	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	COPPER	BLA01	0.008	<	MG/L		BLA01-R				
					3487	02JUN	IRON	BLA01	0.01	<	MG/L		BLA01-R				
					3487	02JUN	LEAD	BLA01	0.02	<	MG/L		BLA01-R				
					3487	02JUN	MANGANESE	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	NICKEL	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	POTASSIUM	BLA01	0.08	<	MG/L		BLA01-R				
					3487	02JUN	SELENIUM	BLA01	0.04	<	MG/L		BLA01-R				
					3487	02JUN	SILVER	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	STRONTIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	THALLIUM	BLA01	0.12	<	MG/L		BLA01-R				
					3487	02JUN	VANADIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	ZINC	BLA01	0.008	<	MG/L		BLA01-R				
Q935611			7		3487	02JUN	ALUMINUM	ICV01	2.00		MG/L		ICV01-R	2		100	
					3487	02JUN	ANTIMONY	ICV01	0.398		MG/L		ICV01-R	.4		100	

(runparm2.sql)

HERITAGE LABORATORIES, INC
Analytical Worksheet for Run R219089

Instrument: ICP, SIMULTANEOUS
Analyst: 3487 KANAPILLY, SANDRA
Started: 02-JUN-94 13:00:00 Reviewer: CARROLL, MELODY Recorder: DATA ENTRY, AUTOMATED
Ended: 02-JUN-94 16:00:00 Date: 03-JUN-94 Date: 03-JUN-94

SAMPLE	TEST	R	ST	FILE	EMP	DATE	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	%REC	RPD
Q935611			7		3487	02JUN	ARSENIC	ICV01	0.401		MG/L		ICV01-R	.4		100	
					3487	02JUN	BARIUM	ICV01	2.06		MG/L		ICV01-R	2		103	
					3487	02JUN	BERYLLIUM	ICV01	0.379		MG/L		ICV01-R	.4		95	
					3487	02JUN	CADMIUM	ICV01	0.403		MG/L		ICV01-R	.4		101	
					3487	02JUN	CHROMIUM	ICV01	0.403		MG/L		ICV01-R	.4		101	
					3487	02JUN	COBALT	ICV01	0.402		MG/L		ICV01-R	.4		101	
					3487	02JUN	COPPER	ICV01	0.405		MG/L		ICV01-R	.4		101	
					3487	02JUN	IRON	ICV01	0.391		MG/L		ICV01-R	.4		98	
					3487	02JUN	LEAD	ICV01	0.415		MG/L		ICV01-R	.4		104	
					3487	02JUN	MANGANESE	ICV01	0.397		MG/L		ICV01-R	.4		99	
					3487	02JUN	NICKEL	ICV01	0.403		MG/L		ICV01-R	.4		101	
					3487	02JUN	POTASSIUM	ICV01	121.		MG/L		ICV01-R	120		101	
					3487	02JUN	SELENIUM	ICV01	0.413		MG/L		ICV01-R	.4		103	
					3487	02JUN	SILVER	ICV01	2.05		MG/L		ICV01-R	2		103	
					3487	02JUN	THALLIUM	ICV01	0.439		MG/L		ICV01-R	.4		110	
					3487	02JUN	VANADIUM	ICV01	0.408		MG/L		ICV01-R	.4		102	
					3487	02JUN	ZINC	ICV01	0.408		MG/L		ICV01-R	.4		102	
510			7		3487	02JUN	ALUMINUM	BLA01	0.02	<	MG/L		BLA01-R				
					3487	02JUN	ANTIMONY	BLA01	0.012	<	MG/L		BLA01-R				
					3487	02JUN	ARSENIC	BLA01	0.04	<	MG/L		BLA01-R				
					3487	02JUN	BARIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	BERYLLIUM	BLA01	0.002	<	MG/L		BLA01-R				
					3487	02JUN	CADMIUM	BLA01	0.002	<	MG/L		BLA01-R				
					3487	02JUN	CHROMIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	COBALT	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	COPPER	BLA01	0.008	<	MG/L		BLA01-R				
					3487	02JUN	IRON	BLA01	0.01	<	MG/L		BLA01-R				
					3487	02JUN	LEAD	BLA01	0.02	<	MG/L		BLA01-R				
					3487	02JUN	MANGANESE	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	NICKEL	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	POTASSIUM	BLA01	0.08	<	MG/L		BLA01-R				
					3487	02JUN	SELENIUM	BLA01	0.04	<	MG/L		BLA01-R				
					3487	02JUN	SILVER	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	STRONTIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	THALLIUM	BLA01	0.12	<	MG/L		BLA01-R				
					3487	02JUN	VANADIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	ZINC	BLA01	0.008	<	MG/L		BLA01-R				
Q935609			7		3487	02JUN	ALUMINUM	CDL01	10.4		MG/L		HMCS-R	10		104	
					3487	02JUN	ANTIMONY	CDL01	1.99		MG/L		HMCS-R	2		100	
					3487	02JUN	ARSENIC	CDL01	10.1		MG/L		HMCS-R	10		101	
					3487	02JUN	BARIUM	CDL01	10.3		MG/L		HMCS-R	10		103	
					3487	02JUN	BERYLLIUM	CDL01	10.1		MG/L		HMCS-R	10		101	

(runparm2.sql)

HERITAGE LABORATORIES, INC
Analytical Worksheet for Run R219089

Instrument: ICP, SIMULTANEOUS
Analyst: 3487 KANAPILLY, SANDRA
Started: 02-JUN-94 13:00:00 Reviewer: CARROLL, MELODY Recorder: DATA ENTRY, AUTOMATED
Ended: 02-JUN-94 16:00:00 Date: 03-JUN-94 Date: 03-JUN-94

SAMPLE	TEST	R	ST	FILE	EMP	DATE	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	%REC	RPD
Q935609		7			3487	02JUN	CADMIUM	CDL01	10.0		MG/L		HMCS-R	10		100	
					3487	02JUN	CHROMIUM	CDL01	10.1		MG/L		HMCS-R	10		101	
					3487	02JUN	COBALT	CDL01	10.1		MG/L		HMCS-R	10		101	
					3487	02JUN	COPPER	CDL01	10.2		MG/L		HMCS-R	10		102	
					3487	02JUN	IRON	CDL01	10.1		MG/L		HMCS-R	10		101	
					3487	02JUN	LEAD	CDL01	9.96		MG/L		HMCS-R	10		100	
					3487	02JUN	MANGANESE	CDL01	10.1		MG/L		HMCS-R	10		101	
					3487	02JUN	NICKEL	CDL01	10.0		MG/L		HMCS-R	10		100	
					3487	02JUN	POTASSIUM	CDL01	10.3		MG/L		HMCS-R	10		103	
					3487	02JUN	SELENIUM	CDL01	10.0		MG/L		HMCS-R	10		100	
					3487	02JUN	SILVER	CDL01	2.03		MG/L		HMCS-R	2		102	
					3487	02JUN	STRONTIUM	CDL01	10.3		MG/L		HMCS-R	10		103	
					3487	02JUN	THALLIUM	CDL01	10.1		MG/L		HMCS-R	10		101	
					3487	02JUN	VANADIUM	CDL01	10.1		MG/L		HMCS-R	10		101	
					3487	02JUN	ZINC	CDL01	10.0		MG/L		HMCS-R	10		100	
Q935608		7			3487	02JUN	ALUMINUM	CDL01	0.178		MG/L		CDL01-R	.2		89	
					3487	02JUN	ANTIMONY	CDL01	0.274		MG/L		CDL01-R	.24		114	
					3487	02JUN	ARSENIC	CDL01	0.160		MG/L		CDL01-R	.14		114	
					3487	02JUN	BARIUM	CDL01	0.0460		MG/L		CDL01-R	.04		115	
					3487	02JUN	BERYLLIUM	CDL01	0.0204		MG/L		CDL01-R	.02		102	
					3487	02JUN	CADMIUM	CDL01	0.0214		MG/L		CDL01-R	.02		107	
					3487	02JUN	CHROMIUM	CDL01	0.0448		MG/L		CDL01-R	.04		112	
					3487	02JUN	COBALT	CDL01	0.215		MG/L		CDL01-R	.2		108	
					3487	02JUN	COPPER	CDL01	0.106		MG/L		CDL01-R	.1		106	
					3487	02JUN	IRON	CDL01	0.0999		MG/L		CDL01-R	.1		100	
					3487	02JUN	LEAD	CDL01	0.0806		MG/L		CDL01-R	.112		72	
					3487	02JUN	MANGANESE	CDL01	0.0634		MG/L		CDL01-R	.06		106	
					3487	02JUN	NICKEL	CDL01	0.195		MG/L		CDL01-R	.16		122	
					3487	02JUN	POTASSIUM	CDL01	0.428		MG/L		CDL01-R	.5		86	
					3487	02JUN	SELENIUM	CDL01	0.147		MG/L		CDL01-R	.12		123	
					3487	02JUN	SILVER	CDL01	0.0218		MG/L		CDL01-R	.04		55	
					3487	02JUN	THALLIUM	CDL01	.156		MG/L		CDL01-R	.14		111.4	
					3487	02JUN	VANADIUM	CDL01	0.217		MG/L		CDL01-R	.2		109	
					3487	02JUN	ZINC	CDL01	0.0876		MG/L		CDL01-R	.08		110	
Q935607		7			3487	02JUN	ALUMINUM	ICS-A	505.		MG/L		ICS-R	500		101	
					3487	02JUN	BARIUM	ICS-A	0.504		MG/L		ICS-R	0.500		101	
					3487	02JUN	BERYLLIUM	ICS-A	0.466		MG/L		ICS-R	0.500		93	
					3487	02JUN	CADMIUM	ICS-A	0.955		MG/L		ICS-R	1.00		96	
					3487	02JUN	CHROMIUM	ICS-A	0.499		MG/L		ICS-R	0.500		100	
					3487	02JUN	COBALT	ICS-A	0.469		MG/L		ICS-R	0.500		94	
					3487	02JUN	COPPER	ICS-A	0.502		MG/L		ICS-R	0.500		100	
					3487	02JUN	IRON	ICS-A	183.		MG/L		ICS-R	200		92	

(runparm2.sql)

HERITAGE LABORATORIES, INC
Analytical Worksheet for Run R219089

Instrument: ICP, SIMULTANEOUS
Analyst: 3487 KANAPILLY, SANDRA
Started: 02-JUN-94 13:00:00 Reviewer: CARROLL, MELODY Recorder: DATA ENTRY, AUTOMATED
Ended: 02-JUN-94 16:00:00 Date: 03-JUN-94 Date: 03-JUN-94

SAMPLE	TEST	R	ST	FILE	EMP	DATE	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	%REC	RPD
Q935607		7			3487	02JUN	LEAD	ICS-A	0.880		MG/L		ICS-R	1.00		88	
					3487	02JUN	MANGANESE	ICS-A	0.482		MG/L		ICS-R	0.500		96	
					3487	02JUN	SILVER	ICS-A	1.01		MG/L		ICS-R	1.00		101	
					3487	02JUN	VANADIUM	ICS-A	0.485		MG/L		ICS-R	0.500		97	
					3487	02JUN	ZINC	ICS-A	1.00		MG/L		ICS-R	1.00		100	
Q935605		7			3487	02JUN	ALUMINUM	CCV	4.86		MG/L		CCV-R	5		97	
					3487	02JUN	ANTIMONY	CCV	0.992		MG/L		CCV-R	1		99	
					3487	02JUN	ARSENIC	CCV	5.02		MG/L		CCV-R	5		100	
					3487	02JUN	BARIUM	CCV	5.02		MG/L		CCV-R	5		100	
					3487	02JUN	BERYLLIUM	CCV	4.93		MG/L		CCV-R	5		99	
					3487	02JUN	CADMIUM	CCV	5.03		MG/L		CCV-R	5		101	
					3487	02JUN	CHROMIUM	CCV	5.03		MG/L		CCV-R	5		101	
					3487	02JUN	COBALT	CCV	5.02		MG/L		CCV-R	5		100	
					3487	02JUN	COPPER	CCV	5.06		MG/L		CCV-R	5		101	
					3487	02JUN	IRON	CCV	5.03		MG/L		CCV-R	5		101	
					3487	02JUN	LEAD	CCV	4.99		MG/L		CCV-R	5		100	
					3487	02JUN	MANGANESE	CCV	5.02		MG/L		CCV-R	5		100	
					3487	02JUN	NICKEL	CCV	5.03		MG/L		CCV-R	5		101	
					3487	02JUN	POTASSIUM	CCV	4.93		MG/L		CCV-R	5		99	
					3487	02JUN	SELENIUM	CCV	4.99		MG/L		CCV-R	5		100	
					3487	02JUN	SILVER	CCV	0.996		MG/L		CCV-R	1		100	
					3487	02JUN	STRONTIUM	CCV	5.04		MG/L		CCV-R	5		101	
					3487	02JUN	THALLIUM	CCV	5.02		MG/L		CCV-R	5		100	
					3487	02JUN	VANADIUM	CCV	5.02		MG/L		CCV-R	5		100	
					3487	02JUN	ZINC	CCV	5.02		MG/L		CCV-R	5		100	
Q935604		7			3487	02JUN	ALUMINUM	BLA01	0.02	<	MG/L		BLA01-R				
					3487	02JUN	ANTIMONY	BLA01	0.012	<	MG/L		BLA01-R				
					3487	02JUN	ARSENIC	BLA01	0.04	<	MG/L		BLA01-R				
					3487	02JUN	BARIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	BERYLLIUM	BLA01	0.002	<	MG/L		BLA01-R				
					3487	02JUN	CADMIUM	BLA01	0.002	<	MG/L		BLA01-R				
					3487	02JUN	CHROMIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	COBALT	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	COPPER	BLA01	0.008	<	MG/L		BLA01-R				
					3487	02JUN	IRON	BLA01	0.01	<	MG/L		BLA01-R				
					3487	02JUN	LEAD	BLA01	0.02	<	MG/L		BLA01-R				
					3487	02JUN	MANGANESE	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	NICKEL	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	POTASSIUM	BLA01	0.08	<	MG/L		BLA01-R				
					3487	02JUN	SELENIUM	BLA01	0.04	<	MG/L		BLA01-R				
					3487	02JUN	ZINC	BLA01	0.008	<	MG/L		BLA01-R				
					3487	02JUN	VANADIUM	BLA01	0.004	<	MG/L		BLA01-R				

(runparm2.sql)

HERITAGE LABORATORIES, INC
Analytical Worksheet for Run R219089

Instrument: ICP, SIMULTANEOUS
Analyst: 3487 KANAPILLY, SANDRA
Started: 02-JUN-94 13:00:00 Reviewer: CARROLL, MELODY Recorder: DATA ENTRY, AUTOMATED
Ended: 02-JUN-94 16:00:00 Date: 03-JUN-94 Date: 03-JUN-94

SAMPLE	TEST	R	ST	FILE	EMP	DATE	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	%REC	RPD
Q935604		7			3487	02JUN	THALLIUM	BLA01	0.12	<	MG/L		BLA01-R				
					3487	02JUN	STRONTIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	SILVER	BLA01	0.004	<	MG/L		BLA01-R				
Q935603		7			3487	02JUN	ALUMINUM	CCV	4.87		MG/L		CCV-R	5		97	
					3487	02JUN	ANTIMONY	CCV	0.990		MG/L		CCV-R	1		99	
					3487	02JUN	ARSENIC	CCV	5.08		MG/L		CCV-R	5		102	
					3487	02JUN	BARIUM	CCV	4.98		MG/L		CCV-R	5		100	
					3487	02JUN	BERYLLIUM	CCV	4.97		MG/L		CCV-R	5		99	
					3487	02JUN	CADMIUM	CCV	5.10		MG/L		CCV-R	5		102	
					3487	02JUN	CHROMIUM	CCV	5.08		MG/L		CCV-R	5		102	
					3487	02JUN	COBALT	CCV	5.06		MG/L		CCV-R	5		101	
					3487	02JUN	COPPER	CCV	5.05		MG/L		CCV-R	5		101	
					3487	02JUN	IRON	CCV	5.08		MG/L		CCV-R	5		102	
					3487	02JUN	LEAD	CCV	5.04		MG/L		CCV-R	5		101	
					3487	02JUN	MANGANESE	CCV	5.06		MG/L		CCV-R	5		101	
					3487	02JUN	NICKEL	CCV	5.08		MG/L		CCV-R	5		102	
					3487	02JUN	POTASSIUM	CCV	4.82		MG/L		CCV-R	5		96	
					3487	02JUN	SELENIUM	CCV	5.01		MG/L		CCV-R	5		100	
					3487	02JUN	SILVER	CCV	1.00		MG/L		CCV-R	1		100	
					3487	02JUN	STRONTIUM	CCV	5.01		MG/L		CCV-R	5		100	
					3487	02JUN	THALLIUM	CCV	5.07		MG/L		CCV-R	5		101	
					3487	02JUN	VANADIUM	CCV	5.04		MG/L		CCV-R	5		101	
					3487	02JUN	ZINC	CCV	5.07		MG/L		CCV-R	5		101	
Q935602		7			3487	02JUN	ALUMINUM	BLA01	0.02	<	MG/L		BLA01-R				
					3487	02JUN	ANTIMONY	BLA01	0.012	<	MG/L		BLA01-R				
					3487	02JUN	ARSENIC	BLA01	0.04	<	MG/L		BLA01-R				
					3487	02JUN	BARIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	BERYLLIUM	BLA01	0.002	<	MG/L		BLA01-R				
					3487	02JUN	CADMIUM	BLA01	0.002	<	MG/L		BLA01-R				
					3487	02JUN	CHROMIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	COBALT	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	COPPER	BLA01	0.008	<	MG/L		BLA01-R				
					3487	02JUN	IRON	BLA01	0.01	<	MG/L		BLA01-R				
					3487	02JUN	LEAD	BLA01	0.02	<	MG/L		BLA01-R				
					3487	02JUN	MANGANESE	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	NICKEL	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	POTASSIUM	BLA01	0.08	<	MG/L		BLA01-R				
					3487	02JUN	SELENIUM	BLA01	0.04	<	MG/L		BLA01-R				
					3487	02JUN	SILVER	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	STRONTIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	THALLIUM	BLA01	0.12	<	MG/L		BLA01-R				
					3487	02JUN	VANADIUM	BLA01	0.004	<	MG/L		BLA01-R				

(runparm2.sql)

HERITAGE LABORATORIES, INC
Analytical Worksheet for Run R219089

Instrument: ICP, SIMULTANEOUS
Analyst: 3487 KANAPILLY, SANDRA
Started: 02-JUN-94 13:00:00 Reviewer: CARROLL, MELODY Recorder: DATA ENTRY, AUTOMATED
Ended: 02-JUN-94 16:00:00 Date: 03-JUN-94 Date: 03-JUN-94

SAMPLE	TEST	R	ST	FILE	EMP	DATE	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	%REC	RPD
Q935602			7		3487	02JUN	ZINC	BLA01	0.008	<	MG/L		BLA01-R				
C156711	M704.7	0	7		3487	02JUN	ADDITION 1		1.0		MG/L						
					3487	02JUN	BARIUM			BDL	MG/L	10					
					3487	02JUN	DILUTION		2								
					3487	02JUN	SAMPLE		1.013		CONC						
					3487	02JUN	SAMPLE + ADD 1		1.976		CONC						
					3487	02JUN	MATRIX SPIKE REC		176		PERCEN						
					3487	02JUN	MATRIX BIAS CORR			BDL	MG/L	10					
					3487	02JUN	MATRIX SPIKE TRU		1.0		MG/L						
					3487	02JUN	SAMPLE + MATRIX		2.771		MG/L						
	M710.7	0	7		3487	02JUN	ADDITION 1		1.0		MG/L						
					3487	02JUN	CHROMIUM			BDL	MG/L	0.04					
					3487	02JUN	DILUTION		2								
					3487	02JUN	SAMPLE			BDL	CONC						
					3487	02JUN	SAMPLE + ADD 1		0.6881		CONC						
					3487	02JUN	MATRIX SPIKE REC		88		PERCEN						
					3487	02JUN	MATRIX BIAS CORR			BDL	MG/L	0.04					
					3487	02JUN	MATRIX SPIKE TRU		1.0		MG/L						
					3487	02JUN	SAMPLE + MATRIX		0.8819		MG/L						
	M716.7	0	7		3487	02JUN	ADDITION 1		1.0		MG/L						
					3487	02JUN	DILUTION		2								
					3487	02JUN	LEAD			BDL	MG/L	0.20					
					3487	02JUN	SAMPLE			BDL	CONC						
					3487	02JUN	SAMPLE + ADD 1		0.6059		CONC						
					3487	02JUN	MATRIX SPIKE REC		85		PERCEN						
					3487	02JUN	MATRIX BIAS CORR			BDL	MG/L	0.20					
					3487	02JUN	MATRIX SPIKE TRU		1.0		MG/L						
					3487	02JUN	SAMPLE + MATRIX		0.8501		MG/L						
Q933331			7		3487	02JUN	ALUMINUM	LCS	1.07		MG/L		LCS-R	1		107	
					3487	02JUN	ANTIMONY	LCS	0.940		MG/L		LCS-R	1		94	
					3487	02JUN	ARSENIC	LCS	0.918		MG/L		LCS-R	1		92	
					3487	02JUN	BARIUM	LCS	0.968		MG/L		LCS-R	1		97	
					3487	02JUN	BERYLLIUM	LCS	0.896		MG/L		LCS-R	1		90	
					3487	02JUN	CADMIUM	LCS	0.943		MG/L		LCS-R	1		94	
					3487	02JUN	CHROMIUM	LCS	0.966		MG/L		LCS-R	1		97	
					3487	02JUN	COBALT	LCS	0.954		MG/L		LCS-R	1		95	
					3487	02JUN	COPPER	LCS	0.963		MG/L		LCS-R	1		96	
					3487	02JUN	IRON	LCS	0.972		MG/L		LCS-R	1		97	
					3487	02JUN	LEAD	LCS	0.918		MG/L		LCS-R	1		92	
					3487	02JUN	MANGANESE	LCS	0.943		MG/L		LCS-R	1		94	
					3487	02JUN	NICKEL	LCS	0.947		MG/L		LCS-R	1		95	
					3487	02JUN	POTASSIUM	LCS	9.23		MG/L		LCS-R	10		92	

(runparm2.sql)

HERITAGE LABORATORIES, INC
Analytical Worksheet for Run R219089

Instrument: ICP, SIMULTANEOUS
Analyst: 3487 KANAPILLY, SANDRA
Started: 02-JUN-94 13:00:00 Reviewer: CARROLL, MELODY Recorder: DATA ENTRY, AUTOMATED
Ended: 02-JUN-94 16:00:00 Date: 03-JUN-94 Date: 03-JUN-94

SAMPLE	TEST	R	ST	FILE	EMP	DATE	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	%REC	RPD
Q933331			7		3487	02JUN	SELENIUM	LCS	0.922		MG/L		LCS-R	1		92	
					3487	02JUN	SILVER	LCS	0.946		MG/L		LCS-R	1		95	
					3487	02JUN	THALLIUM	LCS	0.953		MG/L		LCS-R	1		95	
					3487	02JUN	VANADIUM	LCS	0.951		MG/L		LCS-R	1		95	
					3487	02JUN	ZINC	LCS	0.929		MG/L		LCS-R	1		93	
Q933332			7		3487	02JUN	ALUMINUM	BLA02	.0721	<	MG/L		BLA02-R				
					3487	02JUN	ANTIMONY	BLA02	0.012	<	MG/L		BLA02-R				
					3487	02JUN	ARSENIC	BLA02	0.04	<	MG/L		BLA02-R				
					3487	02JUN	BARIUM	BLA02	0.004	<	MG/L		BLA02-R				
					3487	02JUN	BERYLLIUM	BLA02	0.002	<	MG/L		BLA02-R				
					3487	02JUN	CADMIUM	BLA02	0.002	<	MG/L		BLA02-R				
					3487	02JUN	CHROMIUM	BLA02	0.004	<	MG/L		BLA02-R				
					3487	02JUN	COBALT	BLA02	0.004	<	MG/L		BLA02-R				
					3487	02JUN	COPPER	BLA02	0.008	<	MG/L		BLA02-R				
					3487	02JUN	LEAD	BLA02	0.02	<	MG/L		BLA02-R				
					3487	02JUN	MANGANESE	BLA02	0.004	<	MG/L		BLA02-R				
					3487	02JUN	POTASSIUM	BLA02	0.08	<	MG/L		BLA02-R				
					3487	02JUN	SELENIUM	BLA02	0.04	<	MG/L		BLA02-R				
					3487	02JUN	SILVER	BLA02	0.004	<	MG/L		BLA02-R				
					3487	02JUN	STRONTIUM	BLA02	0.004	<	MG/L		BLA02-R				
					3487	02JUN	THALLIUM	BLA02	0.12	<	MG/L		BLA02-R				
					3487	02JUN	VANADIUM	BLA02	0.004	<	MG/L		BLA02-R				
					3487	02JUN	ZINC	BLA02	0.008	<	MG/L		BLA02-R				
C156878	M105.3	0	7		3487	02JUN	BERYLLIUM			BDL	MG/L	0.0050					
	M116.3	0	7		3487	02JUN	LEAD			BDL	MG/L	0.050					
	M102.3	0	7		3487	02JUN	ANTIMONY			BDL	MG/L	0.050					
	M134.3	0	7		3487	02JUN	THALLIUM			BDL	MG/L	0.30					
	M108.3	0	7		3487	02JUN	CADMIUM			BDL	MG/L	0.0050					
	M110.3	0	7		3487	02JUN	CHROMIUM			BDL	MG/L	0.010					
	M112.3	0	7		3487	02JUN	COPPER			BDL	MG/L	0.020					
Q933333			7		3487	02JUN	ALUMINUM	DUP02	0.0971		MG/L		C156878	0.0945			3
					3487	02JUN	ANTIMONY	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	ARSENIC	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	BARIUM	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	BERYLLIUM	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	CADMIUM	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	CHROMIUM	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	COBALT	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	COPPER	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	IRON	DUP02	0.274		MG/L		C156878	0.266			3
					3487	02JUN	LEAD	DUP02		BDL	MG/L		C156878	0			

(runparm2.sql)

HERITAGE LABORATORIES, INC
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Ended: 02-JUN-94 16:00:00 Date: 03-JUN-94 Date: 03-JUN-94

SAMPLE	TEST	R	ST	FILE	EMP	DATE	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	%REC	RPD
Q933333			7		3487	02JUN	MANGANESE	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	NICKEL	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	POTASSIUM	DUP02	7.64		MG/L		C156878	7.68			1
					3487	02JUN	SELENIUM	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	SILVER	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	STRONTIUM	DUP02	0.439		MG/L		C156878	0.437			1
					3487	02JUN	THALLIUM	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	VANADIUM	DUP02		BDL	MG/L		C156878	0			
					3487	02JUN	ZINC	DUP02		BDL	MG/L		C156878	0			
Q933334			7		3487	02JUN	ALUMINUM	SPI02	1.06		MG/L		C156878	0.0945	1	97	
					3487	02JUN	ANTIMONY	SPI02	0.878		MG/L		C156878	0	1	88	
					3487	02JUN	ARSENIC	SPI02	0.898		MG/L		C156878	0	1	90	
					3487	02JUN	BARIUM	SPI02	0.971		MG/L		C156878	0	1	97	
					3487	02JUN	BERYLLIUM	SPI02	0.896		MG/L		C156878	0	1	90	
					3487	02JUN	CADMIUM	SPI02	0.939		MG/L		C156878	0	1	94	
					3487	02JUN	CHROMIUM	SPI02	0.958		MG/L		C156878	0	1	96	
					3487	02JUN	COBALT	SPI02	0.952		MG/L		C156878	0	1	95	
					3487	02JUN	COPPER	SPI02	0.958		MG/L		C156878	0	1	96	
					3487	02JUN	IRON	SPI02	1.23		MG/L		C156878	0.266	1	96	
					3487	02JUN	LEAD	SPI02	0.914		MG/L		C156878	0	1	91	
					3487	02JUN	MANGANESE	SPI02	0.944		MG/L		C156878	0	1	94	
					3487	02JUN	NICKEL	SPI02	0.943		MG/L		C156878	0	1	94	
					3487	02JUN	POTASSIUM	SPI02	17.3		MG/L		C156878	7.68	10	96	
					3487	02JUN	SELENIUM	SPI02	0.920		MG/L		C156878	0	1	92	
					3487	02JUN	SILVER	SPI02	0.788		MG/L		C156878	0	1	79	
					3487	02JUN	THALLIUM	SPI02	0.975		MG/L		C156878	0	1	98	
					3487	02JUN	VANADIUM	SPI02	0.959		MG/L		C156878	0	1	96	
					3487	02JUN	ZINC	SPI02	0.949		MG/L		C156878	0	1	95	
Q933335			7		3487	02JUN	ALUMINUM	DPS02	1.02		MG/L		C156878	0.0945	1	93	5
					3487	02JUN	ANTIMONY	DPS02	0.921		MG/L		C156878	0	1	92	5
					3487	02JUN	ARSENIC	DPS02	0.919		MG/L		C156878	0	1	92	2
					3487	02JUN	BARIUM	DPS02	0.965		MG/L		C156878	0	1	97	1
					3487	02JUN	BERYLLIUM	DPS02	0.891		MG/L		C156878	0	1	89	1
					3487	02JUN	CADMIUM	DPS02	0.926		MG/L		C156878	0	1	93	2
					3487	02JUN	CHROMIUM	DPS02	0.947		MG/L		C156878	0	1	95	1
					3487	02JUN	COBALT	DPS02	0.934		MG/L		C156878	0	1	93	2
					3487	02JUN	COPPER	DPS02	0.946		MG/L		C156878	0	1	95	2
					3487	02JUN	IRON	DPS02	1.19		MG/L		C156878	0.266	1	92	4
					3487	02JUN	LEAD	DPS02	0.879		MG/L		C156878	0	1	88	4
					3487	02JUN	MANGANESE	DPS02	0.930		MG/L		C156878	0	1	93	1
					3487	02JUN	NICKEL	DPS02	0.937		MG/L		C156878	0	1	94	0
					3487	02JUN	POTASSIUM	DPS02	17.1		MG/L		C156878	7.68	10	94	2

(runparm2.sql)

HERITAGE LABORATORIES, INC
Analytical Worksheet for Run R219089

Instrument: ICP, SIMULTANEOUS
Analyst: 3487 KANAPILLY, SANDRA
Started: 02-JUN-94 13:00:00 Reviewer: CARROLL, MELODY Recorder: DATA ENTRY, AUTOMATED
Ended: 02-JUN-94 16:00:00 Date: 03-JUN-94 Date: 03-JUN-94

SAMPLE	TEST	R	ST	FILE	EMP	DATE	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	%REC	RPD
Q933335			7		3487	02JUN	SELENIUM	DPS02	0.951		MG/L		C156878	0	1	95	3
					3487	02JUN	SILVER	DPS02	0.780		MG/L		C156878	0	1	78	1
					3487	02JUN	THALLIUM	DPS02	0.951		MG/L		C156878	0	1	95	3
					3487	02JUN	VANADIUM	DPS02	0.946		MG/L		C156878	0	1	95	2
					3487	02JUN	ZINC	DPS02	0.938		MG/L		C156878	0	1	94	1
C156876	M110.3	0	7		3487	02JUN	CHROMIUM			BDL	MG/L	0.010					
	M112.3	0	7		3487	02JUN	COPPER			BDL	MG/L	0.020					
	M116.3	0	7		3487	02JUN	LEAD			BDL	MG/L	0.050					
	M102.3	0	7		3487	02JUN	ANTIMONY			BDL	MG/L	0.050					
	M134.3	0	7		3487	02JUN	THALLIUM			BDL	MG/L	0.30					
	M105.3	0	7		3487	02JUN	BERYLLIUM			BDL	MG/L	0.0050					
	M108.3	0	7		3487	02JUN	CADMIUM			BDL	MG/L	0.0050					
C156877	M116.3	0	7		3487	02JUN	LEAD			BDL	MG/L	0.050					
	M102.3	0	7		3487	02JUN	ANTIMONY			BDL	MG/L	0.050					
	M134.3	0	7		3487	02JUN	THALLIUM			BDL	MG/L	0.30					
	M105.3	0	7		3487	02JUN	BERYLLIUM			BDL	MG/L	0.0050					
	M108.3	0	7		3487	02JUN	CADMIUM			BDL	MG/L	0.0050					
	M110.3	0	7		3487	02JUN	CHROMIUM			BDL	MG/L	0.010					
	M112.3	0	7		3487	02JUN	COPPER			BDL	MG/L	0.020					
C156881	M102.3	0	7		3487	02JUN	ANTIMONY			BDL	MG/L	0.050					
	M134.3	0	7		3487	02JUN	THALLIUM			BDL	MG/L	0.30					
	M105.3	0	7		3487	02JUN	BERYLLIUM			BDL	MG/L	0.0050					
	M108.3	0	7		3487	02JUN	CADMIUM			BDL	MG/L	0.0050					
	M110.3	0	7		3487	02JUN	CHROMIUM			BDL	MG/L	0.010					
	M112.3	0	7		3487	02JUN	COPPER			BDL	MG/L	0.020					
	M116.3	0	7		3487	02JUN	LEAD			BDL	MG/L	0.050					
C156882	M134.3	0	7		3487	02JUN	THALLIUM			BDL	MG/L	0.30					
	M110.3	0	7		3487	02JUN	CHROMIUM		0.059		MG/L	0.010					
	M112.3	0	7		3487	02JUN	COPPER		0.021		MG/L	0.020					
	M116.3	0	7		3487	02JUN	LEAD			BDL	MG/L	0.050					
	M102.3	0	7		3487	02JUN	ANTIMONY			BDL	MG/L	0.050					
	M105.3	0	7		3487	02JUN	BERYLLIUM			BDL	MG/L	0.0050					
	M108.3	0	7		3487	02JUN	CADMIUM			BDL	MG/L	0.0050					
Q935601			7		3487	02JUN	ALUMINUM	CCV	4.89		MG/L		CCV-R	5		98	
					3487	02JUN	ANTIMONY	CCV	0.992		MG/L		CCV-R	1		99	
					3487	02JUN	ARSENIC	CCV	5.07		MG/L		CCV-R	5		101	
					3487	02JUN	BARIUM	CCV	5.03		MG/L		CCV-R	5		101	
					3487	02JUN	BERYLLIUM	CCV	4.95		MG/L		CCV-R	5		99	
					3487	02JUN	CADMIUM	CCV	5.08		MG/L		CCV-R	5		102	

(runparm2.sql)

HERITAGE LABORATORIES, INC
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Instrument: ICP, SIMULTANEOUS
Analyst: 3487 KANAPILLY, SANDRA
Started: 02-JUN-94 13:00:00 Reviewer: CARROLL, MELODY Recorder: DATA ENTRY, AUTOMATED
Ended: 02-JUN-94 16:00:00 Date: 03-JUN-94 Date: 03-JUN-94

SAMPLE	TEST	R	ST	FILE	EMP	DATE	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	%REC	RPD
Q935601		7			3487	02JUN	CHROMIUM	CCV	5.08		MG/L		CCV-R	5		102	
					3487	02JUN	COBALT	CCV	5.07		MG/L		CCV-R	5		101	
					3487	02JUN	COPPER	CCV	5.10		MG/L		CCV-R	5		102	
					3487	02JUN	IRON	CCV	5.08		MG/L		CCV-R	5		102	
					3487	02JUN	LEAD	CCV	5.03		MG/L		CCV-R	5		101	
					3487	02JUN	MANGANESE	CCV	5.06		MG/L		CCV-R	5		101	
					3487	02JUN	NICKEL	CCV	5.08		MG/L		CCV-R	5		102	
					3487	02JUN	POTASSIUM	CCV	4.91		MG/L		CCV-R	5		98	
					3487	02JUN	SELENIUM	CCV	4.98		MG/L		CCV-R	5		100	
					3487	02JUN	SILVER	CCV	1.00		MG/L		CCV-R	1		100	
					3487	02JUN	STRONTIUM	CCV	5.05		MG/L		CCV-R	5		101	
					3487	02JUN	THALLIUM	CCV	5.10		MG/L		CCV-R	5		102	
					3487	02JUN	VANADIUM	CCV	5.05		MG/L		CCV-R	5		101	
					3487	02JUN	ZINC	CCV	5.06		MG/L		CCV-R	5		101	
Q935600		7			3487	02JUN	ALUMINUM	BLA01	0.02	<	MG/L		BLA01-R				
					3487	02JUN	ANTIMONY	BLA01	0.012	<	MG/L		BLA01-R				
					3487	02JUN	ARSENIC	BLA01	0.04	<	MG/L		BLA01-R				
					3487	02JUN	BARIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	BERYLLIUM	BLA01	0.002	<	MG/L		BLA01-R				
					3487	02JUN	CADMIUM	BLA01	0.002	<	MG/L		BLA01-R				
					3487	02JUN	CHROMIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	COBALT	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	COPPER	BLA01	0.008	<	MG/L		BLA01-R				
					3487	02JUN	IRON	BLA01	0.01	<	MG/L		BLA01-R				
					3487	02JUN	LEAD	BLA01	0.02	<	MG/L		BLA01-R				
					3487	02JUN	MANGANESE	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	NICKEL	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	POTASSIUM	BLA01	0.08	<	MG/L		BLA01-R				
					3487	02JUN	SELENIUM	BLA01	0.04	<	MG/L		BLA01-R				
					3487	02JUN	SILVER	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	STRONTIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	THALLIUM	BLA01	0.12	<	MG/L		BLA01-R				
					3487	02JUN	VANADIUM	BLA01	0.004	<	MG/L		BLA01-R				
					3487	02JUN	ZINC	BLA01	0.008	<	MG/L		BLA01-R				
Q935599		7			3487	02JUN	ALUMINUM	ICS-A	496.		MG/L		ICS-R	500		99	
					3487	02JUN	BARIUM	ICS-A	0.494		MG/L		ICS-R	0.500		99	
					3487	02JUN	BERYLLIUM	ICS-A	0.458		MG/L		ICS-R	0.500		92	
					3487	02JUN	CADMIUM	ICS-A	0.938		MG/L		ICS-R	1.00		94	
					3487	02JUN	CHROMIUM	ICS-A	0.492		MG/L		ICS-R	0.500		98	
					3487	02JUN	COBALT	ICS-A	0.462		MG/L		ICS-R	0.500		92	
					3487	02JUN	COPPER	ICS-A	0.498		MG/L		ICS-R	0.500		100	
					3487	02JUN	IRON	ICS-A	180.		MG/L		ICS-R	200		90	

(runparm2.sql)

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SAMPLE	TEST	R	ST	FILE	EMP	DATE	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	%REC	RPD
Q935599		7			3487	02JUN	LEAD	ICS-A	0.866		MG/L		ICS-R	1.00		87	
					3487	02JUN	MANGANESE	ICS-A	0.474		MG/L		ICS-R	0.500		95	
					3487	02JUN	SILVER	ICS-A	0.991		MG/L		ICS-R	1.00		99	
					3487	02JUN	VANADIUM	ICS-A	0.481		MG/L		ICS-R	0.500		96	
					3487	02JUN	ZINC	ICS-A	0.980		MG/L		ICS-R	1.00		98	
Q935598		7			3487	02JUN	ALUMINUM	CDL01	0.214		MG/L		CDL01-R	.2		107	
					3487	02JUN	ANTIMONY	CDL01	0.223		MG/L		CDL01-R	.24		93	
					3487	02JUN	ARSENIC	CDL01	0.140		MG/L		CDL01-R	.14		100	
					3487	02JUN	BARIUM	CDL01	0.0468		MG/L		CDL01-R	.04		117	
					3487	02JUN	BERYLLIUM	CDL01	0.0200		MG/L		CDL01-R	.02		100	
					3487	02JUN	CADMIUM	CDL01	0.0226		MG/L		CDL01-R	.02		113	
					3487	02JUN	CHROMIUM	CDL01	0.0427		MG/L		CDL01-R	.04		107	
					3487	02JUN	COBALT	CDL01	0.214		MG/L		CDL01-R	.2		107	
					3487	02JUN	COPPER	CDL01	0.109		MG/L		CDL01-R	.1		109	
					3487	02JUN	IRON	CDL01	0.111		MG/L		CDL01-R	.1		111	
					3487	02JUN	LEAD	CDL01	.041		MG/L		CDL01-R	.112		36.6	
					3487	02JUN	MANGANESE	CDL01	0.0631		MG/L		CDL01-R	.06		105	
					3487	02JUN	NICKEL	CDL01	0.193		MG/L		CDL01-R	.16		121	
					3487	02JUN	POTASSIUM	CDL01	0.413		MG/L		CDL01-R	.5		83	
					3487	02JUN	SELENIUM	CDL01	0.109		MG/L		CDL01-R	.12		91	
					3487	02JUN	SILVER	CDL01	0.0240		MG/L		CDL01-R	.04		60	
					3487	02JUN	THALLIUM	CDL01	.1681		MG/L		CDL01-R	.14		120.1	
					3487	02JUN	VANADIUM	CDL01	0.213		MG/L		CDL01-R	.2		107	
					3487	02JUN	ZINC	CDL01	0.0860		MG/L		CDL01-R	.08		108	

(runparm2.sql)

440 rows selected.

no rows selected

(1)

R 219089

ICP

DATE 6/2/94 START TIME

ANALYST JH 3487 ENDING TIME

SAMPLE	M#	PREPPED WT./VOL	DILUTIONS	PARAMETERS
1. STD1				Ca, Na out
2. STD2				
3. CCV				
4. BLA01				Ni out
5. ICV01				
6. BLA01				
7. HMCS				
8. CDL01				
9 ICS				
--- DLS				
11. CCV				
12. BLA01				
13. C156711			1:2	
14. SPI01				
15. MSP				
16. C156861 SDA			1:5	
17. CCV				
18. BLA01				
19. LCS				Q 933331
20. BLA02				
21. C156878 R1				
22. DUP				
23. SPI				
DPS				
25. C156876 R1				
26. 877 R1				
27. 881 R1				

000183

(2)

ICP

DATE_____ START TIME_____

ANALYST_____ ENDING TIME_____

SAMPLE	M#	PREPPED WT./VOL	DILUTIONS	PARAMETERS
1. C156882 R1				
2. CCV				
3. BLAC1				
4. ICS				
5. CDLC1				
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ICP LEA(\TES (1PTMSA)

Heritage Laboratories, Indianapolis

Sample C156711
Prep Run # R
Analyst /# OM/3457
Date : 6/2/94

QC Type
Units mg/L
Init (Wt/Vol) 50ml (G/ML)
Final (Vol) 50ml

Reviewer
Review date 6/3/94
Recorder
Record Date 6/3/94

	Ag-660	As-136	Ba-144	Cd-203	Cr-239	Cu-260	Ni-496	Pb-435	Se-845	Zn-783
Test			M704.7		M710.7			M716.7		
Result			BDL		BDL			BDL		
Corrected Result			BDL		BDL			BDL		
Spike True Value			6/3/94 1.0		1.0			1.0		
Sample + Spike			2.771		0.8519			0.8501		
Spike Recovery			176%		85%			85%		
Add1 True Value			1.0		1.0			1.0		
Sample Raw Data			1.013		-0.0010			-0.0150		
Samp + Add1			1.976		0.6881			0.6059		
Dilution			1:2		1:2			1:2		
Detection Limit			10		0.04			0.20		
% Rec/RDP			96%		68% 6/3/94			61%		
849 Density										
Density Cor. Result										
Density Cor. DL.										
Comments										

Page ____ of ____

000185

OM3487
6/2/94

Method: EMS2 Standard: STD1-Blank

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Avge	-.1018	.0155	.0016	.0000	.0038	.0063	-.0005

SDev	.0006	.0007	.0026	.0000	.0001	.0006	.0004
%RSD	.6077	4.562	164.0	.0000	2.318	9.801	70.71
#1	-.1014	.0150	.0034	.0000	.0039	.0068	-.0003
#2	-.1023	.0160	-.0003	.0000	.0037	.0059	-.0008
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.0003	.0012	.0017	.0103	.0239	.0026	[illegible]
SDev	.0004	.0000	.0001	.0006	.0118	.0007	.0001
%RSD	141.[illegible]	.0000	5.238	6.000	49.61	26.94	6.734
#1	.0006	.0012	.0018	.0099	.0322	.0031	.0012
#2	.0000	.0012	.0016	.0108	.0155	.0021	.0014
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Avge	.0978	-.0019	.0111	.0172	-.0032	.0003	.0048
SDev	.0011	.0026	.0072	.0090	.0121	.0001	.0086
%RSD	1.085	132.3	64.72	52.26	379.9	28.28	173.2
#1	.0970	-.0037	.0161	.0236	.0054	.0003	-.0012
#2	.0985	-.0001	.0060	.0109	-.0117	.0004	.0109
Elem	V_2924	Zn2138					
Avge	.0008	.0024					
SDev	.0010	.0011					
%RSD	119.7	44.66					
#1	.0001	.0031					
#2	.0015	.0016					

Method: EMS2 Standard: STD2

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Avge	1.335	1.463	3.124	7.396	26.06	1.889	9.[illegible]
SDev	.008	.007	.006	.032	.12	.007	.002
%RSD	.6223	.4713	.1924	.4326	.4766	.3837	.0152
#1	1.341	1.468	3.120	7.418	26.15	1.884	9.864
#2	1.329	1.458	3.128	7.373	25.97	1.894	9.866
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	3.575	4.551	2.362	6.953	.8189	.9499	2.576
SDev	.001	.005	.016	.009	.0153	.0051	.000
%RSD	.0247	.1126	.6811	.1322	1.867	.5397	.0172
#1	3.576	4.555	2.373	6.959	.8298	.9535	2.576
#2	3.574	4.548	2.350	6.946	.8081	.9463	2.576
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Avge	1.467	4.719	2.685	1.319	4.648	9.782	4.010
SDev	.015	.008	.011	.026	.026	.037	.029
%RSD	1.012	.1705	.3950	1.977	.5629	.3786	.7185

#2 1.457

Elem	V_2924	Zn2138
Avge	10.72	7.734
SDev	.01	.016
%RSD	.1311	.2068
#1	10.73	7.746
#2	10.71	7.723

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/02/94 13:34:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.010	4.908	5.121	5.042	5.011	4.999	5.103
SDev	.006	.046	.025	.068	.038	.037	.028
%RSD	.6337	.9334	.4787	1.339	.7613	.7417	.5512
#1	1.015	4.940	5.138	5.090	5.038	5.025	5.122
#2	1.006	4.875	5.103	4.994	4.984	4.973	5.083

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.101	5.088	5.091	5.111	4.923	5.065	5.085
SDev	.045	.038	.050	.036	.207	.037	.039
%RSD	.8727	.7518	.9783	.7073	4.201	.7366	.7628
#1	5.132	5.115	5.127	5.136	5.069	5.091	5.113
#2	5.069	5.061	5.056	5.085	4.776	5.038	5.058

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.740	5.102	5.028	1.030	5.044	5.064	5.066
SDev	.032	.017	.086	.064	.004	.062	.092
%RSD	.6670	.3262	1.703	6.187	.0791	1.229	1.820
#1	4.762	5.114	5.089	1.075	5.047	5.108	5.131
#2	4.718	5.090	4.967	.9845	5.042	5.020	5.000

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.077	5.106
SDev	.049	.041
%RSD	.9735	.7984
#1	5.112	5.134
#2	5.042	5.077

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/02/94 13:37:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0208	Q-.0264	Q-.0090	Q.0025	Q.0022	Q.0110	Q.0027
SDev	.0015	.0018	.0213	.0006	.0003	.0000	.0021
%RSD	7.100	6.956	235.9	24.38	12.11	.0059	[illegible]
#1	Q-.0218	Q-.0276	Q.0060	Q.0029	Q.0024	Q.0110	Q.0042
#2	Q-.0197	Q-.0251	Q-.0241	Q.0020	Q.0020	Q.0110	Q.0013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0012	Q-.0006	Q.0000	Q-.0001	Q-.0181	Q.0013	Q.0005
SDev	.0005	.0093	.0026	.0003	.1723	.0037	.0010
%RSD	40.35	1694.	4504e6	282.0	953.1	283.2	212.2
#1	Q.0016	Q.0061	Q.0019	Q.0001	Q.1038	Q.0040	Q-.0002
#2	Q.0009	Q-.0072	Q-.0019	Q-.0003	Q-.1399	Q-.0013	Q.0012

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.1476	Q.0083	Q-.0430	Q-.0056	Q.0208	Q.0025	Q.0002
SDev	.0058	.0060	.0261	.0617	.0004	.0005	.0168
%RSD	3.940	71.83	60.76	1093.	1.825	21.76	10850.
#1	Q-.1435	Q.0126	Q-.0245	Q.0380	Q.0206	Q.0029	Q-.0118
#2	Q-.1517	Q.0041	Q-.0615	Q-.0493	Q.0211	Q.0021	Q.0121

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0006	Q.0014
SDev	.0008	.0017
%RSD	132.9	125.5
#1	Q.0011	Q.0026
#2	Q.0000	Q.0002

Method: EMS2 Sample Name: ICV01-R Operator: SLK
Run Time: 06/02/94 13:45:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.055	2.002	.4010	2.056	.3786	Q84.98	.4028
SDev	.017	.020	.0091	.024	.0038	.64	.0029
%RSD	.8076	.9767	2.266	1.157	1.005	.7559	.7121
#1	2.043	1.988	.3946	2.039	.3759	Q84.53	.4007
#2	2.066	2.016	.4075	2.073	.3813	Q85.43	.4048

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4020	.4032	.4054	.3914	120.8	103.8	.3967
SDev	.0054	.0021	.0060	.0001	1.2	.8	.0031
%RSD	1.353	.5300	1.478	.0321	1.030	.8073	.7740
#1	.3981	.4017	.4012	.3913	120.0	103.2	.3945

#2	.4058	.4047	.4097	.3915	121.7	104.4	.3989

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q79.56	.4026	.4146	.3975	.4127	.0052	.4392
SDev	.86	.0056	.0295	.0234	.0312	.0003	.0095
%RSD	1.086	1.396	7.104	5.900	7.552	5.174	2.170
#1	Q78.95	.3986	.4354	.4141	.3906	.0054	Q.4459
#2	Q80.18	.4066	.3938	.3809	.4347	.0050	.4325

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4079	.4076
SDev	.0022	.0037
%RSD	.5456	.8943
#1	.4063	.4050
#2	.4094	.4102

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/02/94 13:48:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0195	Q-.0216	Q-.0146	Q.0006	Q.0001	Q.0313	Q.0009
SDev	.0028	.0012	.0066	.0001	.0001	.0024	.0007
%RSD	14.52	5.658	45.49	20.20	54.37	7.516	80.69
#1	Q-.0215	Q-.0207	Q-.0192	Q.0005	Q.0001	Q.0296	Q.0004
#2	Q-.0175	Q-.0225	Q-.0099	Q.0007	Q.0002	Q.0329	Q.0014

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0028	Q-.0039	Q-.0042	Q-.0017	Q-.0841	Q.0297	Q-.0012
SDev	.0017	.0008	.0011	.0008	.1879	.0215	.0007
%RSD	61.86	20.14	26.52	44.63	223.4	72.29	56.50
#1	Q-.0040	Q-.0044	Q-.0050	Q-.0023	Q.0487	Q.0145	Q-.0017
#2	Q-.0016	Q-.0033	Q-.0034	Q-.0012	Q-.2170	Q.0450	Q-.0007

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.1321	Q.0029	Q-.0687	Q-.0054	Q-.0232	Q-.0001	Q-[illegible]
SDev	.0136	.0006	.0155	.0220	.0011	.0001	.02[illegible]
%RSD	10.27	19.32	22.62	406.6	4.905	70.71	659.8
#1	Q-.1417	Q.0033	Q-.0797	Q.0102	Q-.0224	Q-.0002	Q-.0186
#2	Q-.1225	Q.0025	Q-.0578	Q-.0210	Q-.0241	Q-.0001	Q.0121

Elem	V_2924	Zn2138
Units	ppm	ppm

%RSD	1353.	70.89
#1	Q-.0009	Q-.0006
#2	Q.0011	Q-.0020

Method: EMS2 Sample Name: HMCS-R Operator: SLK
Run Time: 06/02/94 13:53:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.033	10.40	10.10	10.28	10.12	10.04	10.05
SDev	.007	.02	.01	.03	.02	.03	.01
%RSD	.3205	.1644	.0806	.3128	.2023	.2668	.1141
#1	2.028	10.39	10.09	10.26	10.11	10.02	10.04
#2	2.037	10.41	10.10	10.30	10.14	10.06	10.05

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.08	10.08	10.22	10.12	10.30	10.17	10.11
SDev	.02	.02	.03	.02	.11	.01	.02
%RSD	.1571	.2044	.2784	.1812	1.069	.0640	.1731
#1	10.07	10.07	10.20	10.11	10.38	10.16	10.10
#2	10.09	10.10	10.24	10.13	10.22	10.17	10.12

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q10.54	10.05	9.958	1.995	10.02	10.25	10.13
SDev	.02	.02	.007	.079	.07	.02	.03
%RSD	.1959	.2387	.0729	3.952	.6977	.2380	.2541
#1	Q10.53	10.06	9.952	1.939	9.974	10.23	[illegible]
#2	Q10.55	10.03	9.963	2.050	10.07	10.27	10.11

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	10.14	10.03
SDev	.01	.02
%RSD	.0987	.1688
#1	10.13	10.02
#2	10.14	10.04

Method: EMS2 Sample Name: CDL01-R Operator: SLK
Run Time: 06/02/94 13:57:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0218	Q.1779	Q.1600	Q.0460	.0204	Q.0838	.0214
SDev	.0019	.0098	.0020	.0010	.0004	.0009	.0029

%RSD	8.478	5.493	1.232	2.080	2.077	1.108	13.37
#1	.0231	Q.1710	Q.1614	Q.0466	.0207	Q.0845	.0194
#2	.0205	Q.1849	Q.1586	Q.0453	.0201	Q.0832	.0235

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2154	.0448	.1057	Q.0999	Q.4276	Q.0962	.0634
SDev	.0027	.0008	.0008	.0004	.1423	.0206	.0007
%RSD	1.263	1.774	.7089	.3790	33.28	21.39	1.084
#1	.2135	.0442	.1051	Q.1002	Q.5283	Q.0817	.0638
#2	.2173	.0453	.1062	Q.0996	Q.3270	.1108	.0629

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2891	.1946	.0806	.2736	Q.1466	.0005	Q.1560
SDev	.0045	.0032	.0165	.0474	.0008	.0004	.0135
%RSD	1.564	1.633	20.54	17.32	.5185	88.39	8.685
#1	.2923	.1968	.0923	.2401	Q.1471	.0008	Q.1465
#2	.2859	.1923	.0689	.3071	Q.1461	.0002	Q.1656

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.2165	.0876
SDev	.0094	.0021
%RSD	4.324	2.378
#1	.2231	.0862
#2	.2099	.0891

Method: EMS2 Sample Name: ICS-R Operator: SLK
Run Time: 06/02/94 14:00:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.007	505.3	-.2648	.5036	.4656	410.8	.9546
SDev	.003	.1	.0459	.0020	.0001	.1	.0067
%RSD	.3176	.0205	17 33	.4034	.0284	.0138	.7050
#1	1.005	505.3	-.2973	.5050	.4657	410.7	.9498
#2	1.009	505.2	-.2323	.5022	.4655	410.8	.9594

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4690	.4986	.5018	183.5	.0157	521.8	.4823
SDev	.0022	.0086	.0030	.1	.1601	.5	.0093
%RSD	.4751	1.718	.5970	.0366	1018.	.0966	.0750
#1	.4674	.5047	.5040	183.5	.1289	522.2	.4821
#2	.4706	.4926	.4997	183.4	-.0975	521.5	.4826

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.3019	Q1.468	.8797	.0151	-.0430	.0146	.0133
SDev	.0161	.008	.0482	.0328	.0317	.0006	.0107
%RSD	5.328	.5230	5.478	217.2	73.80	4.342	80.79
#1	-.3133	Q1.474	.9138	-.0081	-.0654	.0150	.0209
#2	-.2905	Q1.463	.8457	.0383	-.0206	.0141	.0057

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4854	1.000
SDev	.0019	.003
%RSD	.3950	.2932
#1	.4868	1.002
#2	.4841	.9980

Method: EMS2 Sample Name: DLS-R Operator: SLK
Run Time: 06/02/94 14:03:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0153	Q.1054	-.0087	Q.0079	.0048	.0056	.0053
SDev	.0011	.0024	.0063	.0004	.0000	.0075	.0008
%RSD	7.235	2.321	72.66	4.562	.0541	133.4	15.31
#1	Q-.0161	Q.1036	-.0132	Q.0076	.0048	.0110	Q.0053
#2	Q-.0145	Q.1071	-.0042	Q.0081	.0048	.0003	.0047

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0084	Q.0227	.0196	Q.0684	-.0157	-.0020	Q.0061
SDev	.0017	.0010	.0004	.0061	.1534	.0103	.0007
%RSD	20.64	4.299	1.911	8.945	975.8	513.9	11.32
#1	Q.0072	Q.0234	.0193	Q.0727	.0928	.0053	Q.0056
#2	.0096	Q.0220	.0199	Q.0640	-.1242	-.0093	Q.[illegible]

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1900	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1298	Q.0409	.0455	Q.0100	.0008	-.0004	-.0374
SDev	.0065	.0034	.0020	.0062	.0304	.0001	.0109
%RSD	4.973	8.237	4.361	61.67	310.0	23.57	29.01
#1	.1343	Q.0385	.0469	Q.0144	.0313	-.0004	-.0297
#2	.1252	Q.0433	.0441	Q.0057	-.0117	-.0003	-.0451

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0077	Q.0235
SDev	.0013	.0009
%RSD	17.06	3.862
#1	Q.0068	.0229

#2	.0086	Q.0242

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/02/94 14:06:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9962	4.860	5.023	5.021	4.930	4.880	5.027
SDev	.0026	.012	.027	.004	.004	.016	.005
%RSD	.2591	.2387	.5365	.0857	.0853	.3275	.1087
#1	.9944	4.868	5.004	5.024	4.933	4.891	5.031
#2	.9980	4.852	5.042	5.018	4.927	4.869	5.023

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.022	5.026	5.064	5.035	4.930	5.013	5.023
SDev	.008	.011	.003	.015	.170	.025	.003
%RSD	.1526	.2205	.0592	.2985	3.450	.5034	.0683
#1	5.027	5.034	5.066	5.045	5.050	5.030	5.025
#2	5.016	5.019	5.062	5.024	4.809	4.995	5.020

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.689	5.034	4.992	.9916	4.993	5.035	5.021
SDev	.014	.006	.026	.0775	.015	.002	.010
%RSD	.3036	.1265	.5298	7.814	.2931	.0485	.1978
#1	4.678	5.038	5.011	.9368	4.982	5.037	5.031
#2	4.699	5.029	4.974	1.046	5.003	5.033	5.017

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.016	5.025
SDev	.004	.007
%RSD	.0842	.1482
#1	5.019	5.030
#2	5.013	5.019

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/02/94 14:09:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0186	Q-.0199	Q-.0109	Q.0008	Q.0008	Q.0146	Q.0019
SDev	.0018	.0073	.0048	.0010	.0005	.0052	.0020
%RSD	9.915	36.89	44.27	113.1	59.48	35.34	10[illegible]

#2	Q-.0199	Q-.0251	Q-.0143	Q.0002	Q.0005	Q.0110	Q.0005

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0007	Q-.0023	Q-.0005	Q-.0000	Q-.0865	Q.0079	Q-.0005
SDev	.0012	.0045	.0026	.0011	.1467	.0187	.0003
%RSD	177.3	191.1	495.0	1932000.	169.7	235.7	70.60
#1	Q-.0002	Q.0008	Q.0013	Q.0008	Q.0173	Q.0212	Q-.0002
#2	Q.0016	Q-.0055	Q-.0024	Q-.0008	Q-.1902	Q-.0053	Q-.0007

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.1503	Q.0050	Q-.0538	Q-.0259	Q.0116	Q.0006	Q-.0041
SDev	.0239	.0036	.0182	.0183	.0120	.0008	.0095
%RSD	15.90	70.68	33.82	70.87	103.6	127.3	233.5
#1	Q-.1334	Q.0075	Q-.0409	Q-.0129	Q.0200	Q.0012	Q.0027
#2	Q-.1672	Q.0025	Q-.0666	Q-.0388	Q.0031	Q.0001	Q-.0108

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0004	Q-.0009
SDev	.0023	.0008
%RSD	580.3	90.61
#1	Q.0020	Q-.0015
#2	Q-.0012	Q-.0003

Method: EMS2 Sample Name: C156711 1:2 Operator: SLK
Run Time: 06/02/94 14:20:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0177	.3904	.0111	1.013	.0000	153.4	.0007
SDev	.0007	.0092	.0250	.012	.0000	.6	.0004
%RSD	4.167	2.347	225.1	1.226	4.916	.4169	65.35
#1	-.0172	.3839	-.0066	1.005	.0000	153.0	.0010
#2	-.0182	.3969	.0288	1.022	.0000	153.9	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0073	-.0010	.0034	1.419	2.195	58.79	1.288
SDev	.0007	.0012	.0008	.007	.169	.29	.009
%RSD	10.12	114.2	21.76	.4758	7.699	.4896	.6658
#1	.0079	-.0019	.0029	1.414	2.314	58.58	1.282
#2	.0068	-.0002	.0040	1.423	2.075	58.99	1.294

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	511.2	.0237	-.0150	-.0144	-.0159	.1519	-.0126
SDev	4.2	.0017	.0377	.0236	.0298	.0021	.0020

%RSD	.8265	7.115	251.3	164.3	188.2	1.368	15.81
#1	508.2	.0225	-.0416	-.0310	.0052	.1505	-.0141
#2	514.2	.0249	.0117	.0023	-.0370	.1534	-.0112

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0011	.8087
SDev	.0007	.0019
%RSD	61.41	.2407
#1	-.0006	.8074
#2	-.0015	.8101

Method: EMS2 Sample Name: SPI01 C156711 1:2 Operator: SLK
Run Time: 06/02/94 14:23:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9625	1.404	.6514	1.976	.6490	153.2	.6818
SDev	.0055	.010	.0056	.010	.0028	.0	.0004
%RSD	.5745	.7397	.8528	.4838	.4340	.0190	.0657
#1	.9586	1.412	.6474	1.983	.6510	153.2	.6815
#2	.9664	1.397	.6553	1.969	.6470	153.2	.6821

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6845	.6881	.6944	2.110	12.39	58.78	1.[illegible]
SDev	.0015	.0021	.0011	.008	.31	.24	.00[illegible]
%RSD	.2171	.3104	.1618	.3986	2.494	.4025	.1403
#1	.6855	.6897	.6952	2.104	12.61	58.94	1.956
#2	.6834	.6866	.6936	2.116	12.17	58.61	1.952

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	502.2	.6962	.6059	.6320	.6943	.1502	.6735
SDev	4.0	.0079	.0185	.0638	.0091	.0002	.0206
%RSD	.7867	1.131	3.059	10.09	1.314	.1203	3.060
#1	505.0	.6906	.5928	.5870	.6879	.1503	.6881
#2	499.4	.7017	.6190	.6771	.7008	.1501	.6590

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.6895	1.484
SDev	.0023	.005
%RSD	.3347	.3279
#1	.6911	1.487
#2	.6879	1.480

Method: EMS2 Sample Name: MSP C156711 Operator: SLK
Run Time: 06/02/94 14:27:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5717	1.598	.8998	2.771	.8345	285.7	.8745
SDev	.0093	.051	.0059	.043	.0113	2.5	.0104
%RSD	1.634	3.211	.6562	1.540	1.354	.8639	1.188
#1	.5783	1.634	.9039	2.801	.8425	287.5	.8818
#2	.5651	1.562	.8956	2.741	.8265	284.0	.8671

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8870	.8819	.9181	3.496	14.05	111.4	3.253
SDev	.0153	.0103	.0142	.041	.37	1.5	.035
%RSD	1.728	1.168	1.550	1.180	2.643	1.348	1.086
#1	.8978	.8892	.9282	3.526	14.31	112.4	3.278
#2	.8761	.8746	.9081	3.467	13.79	110.3	3.228

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	942.6	.9007	.8501	.9676	.9110	.2816	.9186
SDev	16.1	.0135	.0317	.0610	.0232	.0043	.0055
%RSD	1.706	1.497	3.729	6.305	2.545	1.508	.5973
#1	954.0	.9102	.8726	1.011	.9274	.2846	.9225
#2	931.2	.8912	.8277	.9244	.8946	.2786	.9147

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.8923	2.393
SDev	.0111	.029
%RSD	1.238	1.208
#1	.9001	2.413
#2	.8845	2.372

Method: EMS2 Sample Name: C156861 1:5 SDA Operator: SLK
Run Time: 06/02/94 14:33:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd220
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0178	3.234	.4222	1.002	-.0003	15.96	.0528
SDev	.0001	.019	.0386	.001	.0000	.13	.0032
%RSD	.7895	.5808	9.150	.0954	12.18	.8277	6.133
#1	-.0177	3.221	.4495	1.001	-.0003	15.87	.0506
#2	-.0179	3.248	.3949	1.003	-.0002	16.06	.0551

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0351	.9871	2.690	108.1	12.69	6.679	.9344
SDev	.0025	.0061	.003	.4	.12	.017	.0031
%RSD	7.047	.6142	.1114	.3581	.9640	.2523	.3306
#1	.0368	.9828	2.692	107.9	12.77	6.667	.9322
#2	.0333	.9914	2.688	108.4	12.60	6.690	.9366

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	451.8	.2177	13.40	.0170	-.0020	.0483	.0181
SDev	1.0	.0008	.07	.0468	.0087	.0001	.0167
%RSD	.2217	.3444	.5595	275.7	433.7	.1871	92.11
#1	452.5	.2183	13.35	.0501	.0042	.0484	.0063
#2	451.1	.2172	13.45	-.0161	-.0082	.0482	.0299

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0365	4.237
SDev	.0009	.013
%RSD	2.534	.3042
#1	.0358	4.228
#2	.0371	4.247

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/02/94 14:37:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.004	4.873	5.076	4.981	4.966	4.958	5.097
SDev	.008	.022	.040	.035	.015	.027	.021
%RSD	.7595	.4512	.7827	.7030	.3011	.5400	.4184
#1	1.009	4.888	5.104	5.006	4.977	4.977	5.112
#2	.9984	4.857	5.048	4.957	4.956	4.939	5.082

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.063	5.075	5.051	5.080	4.821	5.053	5.065
SDev	.014	.006	.024	.023	.097	.029	.022
%RSD	.2832	.1259	.4820	.4611	2.006	.5730	.4405
#1	5.073	5.080	5.068	5.097	4.890	5.074	5.081
#2	5.053	5.071	5.033	5.064	4.753	5.033	5.049

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.656	5.075	5.036	.9897	5.006	5.011	5.067
SDev	.036	.023	.017	.0440	.007	.029	.086
%RSD	.7764	.4539	.3353	4.445	.1367	.5788	1.699

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.038	5.072
SDev	.018	.031
%RSD	.3576	.6118
#1	5.051	5.094
#2	5.025	5.050

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/02/94 14:42:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0180	Q-.0220	Q-.0172	Q.0007	Q.0006	Q.0143	Q.0022
SDev	.0012	.0043	.0109	.0007	.0000	.0056	.0009
%RSD	6.834	19.41	63.66	106.1	4.825	39.45	41.58
#1	Q-.0171	Q-.0251	Q-.0095	Q.0012	Q.0006	Q.0183	Q.0015
#2	Q-.0189	Q-.0190	Q-.0249	Q.0002	Q.0006	Q.0103	Q.0028

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0021	Q.0012	Q-.0000	Q-.0016	Q-.0228	Q.0026	Q-.0010
SDev	.0002	.0064	.0011	.0001	.1278	.0037	.0003
%RSD	11.78	517.8	551e6	7.883	560.8	141.4	35.36
#1	Q-.0019	Q.0058	Q.0008	Q-.0017	Q.0676	Q.0053	Q-.0012
#2	Q-.0023	Q-.0033	Q-.0008	Q-.0015	Q-.1132	Q.0000	Q-.0007

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.1380	Q.0021	Q-.0687	Q-.0392	Q.0302	Q.0004	Q-.0097
SDev	.0039	.0002	.0103	.0006	.0027	.0004	.0268
%RSD	2.814	8.768	14.92	1.580	8.800	80.81	276.0
#1	Q-.1408	Q.0023	Q-.0615	Q-.0388	Q.0284	Q.0002	Q.0092
#2	Q-.1353	Q.0020	Q-.0760	Q-.0396	Q.0321	Q.0007	Q-.0287

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0008	Q-.0009
SDev	.0019	.0003
%RSD	236.0	38.70
#1	Q.0005	Q-.0012
#2	Q-.0022	Q-.0007

Method: EMS2 Sample Name: Q933331 LCS-R Operator: SLK
Run Time: 06/02/94 14:48:58
Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9462	1.065	.9181	.9677	.8961	.8691	.9427
SDev	.0029	.018	.0195	.0104	.0013	.0005	.0058
%RSD	.3118	1.663	2.128	1.074	.1444	.0538	.6177
#1	.9483	1.053	.9043	.9751	.8951	.8694	.9468
#2	.9441	1.078	.9319	.9604	.8970	.8688	.9386

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9543	.9661	.9626	.9716	9.226	.9687	.9428
SDev	.0057	.0119	.0067	.0018	.210	.0168	.0[illegible]
%RSD	.5961	1.228	.7003	.1837	2.277	1.737	.5461
#1	.9583	.9745	.9674	.9704	9.375	.9806	.9464
#2	.9503	.9577	.9579	.9729	9.078	.9568	.9391

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.132	.9468	.9182	.9397	.9224	.0008	.9532
SDev	.004	.0004	.0430	.0468	.0093	.0001	.0031
%RSD	.3421	.0396	4.685	4.984	1.010	11.79	.3260
#1	1.135	.9465	.9486	.9728	.9158	.0008	.9554
#2	1.129	.9470	.8878	.9066	.9290	.0007	.9510

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.9510	.9287
SDev	.0012	.0024
%RSD	.1251	.2622
#1	.9518	.9270
#2	.9501	.9304

Method: EMS2 Sample Name: Q933332 BLA02-R Operator: SLK
Run Time: 06/02/94 14:53:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0176	.0721	-.0000	.0008	-.0003	.0409	.0002
SDev	.0041	.0153	.0188	.0001	.0000	.0019	.0019
%RSD	23.10	21.18	68930.	15.71	.6752	4.597	1061.
#1	-.0147	.0829	-.0133	.0008	-.0003	.0422	-.0012
#2	-.0204	.0613	.0133	.0007	-.0003	.0396	.0015

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	-.0023	.0028	.0029	.0770	.0928	.0225	[illegible]
#2	-.0002	.0028	.0008	.0866	.0079	.0185	.000[illegible]

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2193	.0110	-.0235	-.0190	.0169	-.0001	-.0238
SDev	.0013	.0045	.0103	.0050	.0104	.0003	.0177
%RSD	.5883	40.89	43.73	26.39	61.73	212.[illegible]	74.57
#1	.2202	.0142	-.0307	-.0154	.0095	-.0003	-.0112
#2	.2184	.0078	-.0162	-.0225	.0243	.0001	-.0363

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0005	.0073
SDev	.0009	.0009
%RSD	198.3	12.97
#1	.0002	.0066
#2	-.0011	.0079

Method: EMS2 Sample Name: C156878 R1 Operator: SLK
Run Time: 06/02/94 14:56:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0191	.0945	.0110	.0087	-.0003	30.76	-.0002
SDev	.0006	.0055	.0070	.0001	.0000	.00	.0001
%RSD	3.210	5.818	63.46	1.373	.0317	.0107	37.58
#1	-.0196	.0984	.0061	.0088	-.0003	30.76	-.0002
#2	-.0187	.0906	.0159	.0086	-.0003	30.76	-.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0014	.0050	.2660	7.675	15.38	.0021
SDev	.0007	.0012	.0015	.0005	.171	.01	.0003
%RSD	56530.	83.37	29.77	.1914	2.231	.0912	16.55
#1	.0005	.0022	.0061	.2664	7.797	15.39	.0018
#2	-.0005	.0006	.0040	.2656	7.554	15.37	.0023

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	317.3	.0048	-.0048	-.0041	-.0051	.4369	.0090
SDev	1.1	.0021	.0116	.0203	.0200	.0008	.0002
%RSD	.3553	43.19	239.9	501.7	390.8	.1861	2.543
#1	318.1	.0062	-.0130	.0103	-.0192	.4375	.0088
#2	316.5	.0033	.0034	-.0184	.0090	.4363	.0092

Elem	V_2924	Zn2138
Units	ppm	ppm

Avge	.0004	.0145
SDev	.0015	.0010
%RSD	360.3	7.084
#1	.0015	.0152
#2	-.0006	.0137

Method: EMS2 Sample Name: Q933333 DUP02 Operator: SLK
Run Time: 06/02/94 14:59:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0190	.0971	-.0064	.0090	-.0003	30.86	.0002
SDev	.0053	.0043	.0095	.0004	.0000	.22	.0029
%RSD	27.88	4.405	148.4	3.965	10.01	.7147	[illegible]
#1	-.0152	.1001	.0003	.0093	-.0003	30.70	-.0018
#2	-.0227	.0941	-.0131	.0088	-.0003	31.01	.0022

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0053	.0056	.2738	7.639	15.35	.0028
SDev	.0005	.0004	.0022	.0015	.158	.10	.0007
%RSD	94.49	7.497	40.41	.5588	2.066	.6269	24.55
#1	.0009	.0050	.0072	.2727	7.751	15.29	.0033
#2	.0002	.0055	.0040	.2748	7.528	15.42	.0023

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	315.8	.0093	.0029	-.0245	-.0077	.4393	-.0076
SDev	3.9	.0047	.0192	.0237	.0380	.0056	.0171
%RSD	1.247	50.49	664.4	96.80	496.2	1.275	223.9
#1	313.0	.0126	.0165	-.0077	.0192	.4353	.0044
#2	318.6	.0060	-.0107	-.0412	-.0345	.4432	-.0197

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0006	.0148
SDev	.0026	.0001
%RSD	425.4	.6157
#1	.0024	.0148
#2	-.0012	.0147

Method: EMS2 Sample Name: Q933334 SPIO2W-R Operator: SLK
Run Time: 06/02/94 15:03:19
Comment:
Mode: CONC Corr. Factor: 1

Avge	.7881	1.058	.8977	.9711	.8962	32.00	.9393
SDev	.0018	.010	.0066	.0128	.0056	.10	.0063
%RSD	.2340	.9815	.7409	1.317	.6214	.3174	.6677
#1	.7894	1.051	.9024	.9801	.9002	32.07	.9437
#2	.7868	1.066	.8930	.9621	.8923	31.93	.9349

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9520	.9577	.9579	1.232	17.34	16.43	.9444
SDev	.0025	.0019	.0082	.004	.33	.11	.0052
%RSD	.2599	.2027	.8602	.3307	1.917	.6885	.5450
#1	.9503	.9591	.9637	1.235	17.57	16.51	.9480
#2	.9538	.9564	.9520	1.229	17.10	16.35	.9407

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	320.1	.9425	.9139	.8775	.9198	.4448	.9747
SDev	2.8	.0049	.0238	.0139	.0209	.0044	.0391
%RSD	.8689	.5167	2.605	1.583	2.273	.9953	4.045
#1	322.0	.9460	.8971	.8677	.9346	.4480	1.003
#2	318.1	.9391	.9307	.8873	.9051	.4417	.9468

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.9593	.9493
SDev	.0028	.0004
%RSD	.2919	.0410
#1	.9613	.9490
#2	.9573	.9496

Method: EMS2 Sample Name: Q933335 DPS02W-R Operator: SLK
Run Time: 06/02/94 15:06:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7797	1.024	.9189	.9645	.8908	31.58	.9265
SDev	.0039	.012	.0068	.0011	.0001	.14	.0039
%RSD	.5046	1.193	.7358	.1115	.0163	.4288	.4256
#1	.7769	1.016	.9237	.9653	.8909	31.49	.9237
#2	.7825	1.033	.9141	.9637	.8907	31.68	.9293

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9340	.9468	.9457	1.192	17.13	16.21	.9298
SDev	.0017	.0058	.0022	.000	.16	.02	.0024
%RSD	.1852	.6157	.2376	.0002	.9085	.1331	.2585
#1	.9328	.9426	.9441	1.192	17.24	16.22	.9281
#2	.9352	.9509	.9473	1.192	17.02	16.19	.9315

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	315.2	.9370	.8786	.9213	.9512	.4388	.9511
SDev	.9	.0049	.0221	.0008	.0416	.0003	.0308
%RSD	.2824	.5195	2.521	.0841	4.376	.0618	3.236
#1	315.8	.9335	.8630	.9218	.9217	.4386	.9294
#2	314.6	.9404	.8943	.9207	.9806	.4390	.9729

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.9461	.9380
SDev	.0049	.0011
%RSD	.5143	.1132
#1	.9426	.9387
#2	.9495	.9372

Method: EMS2 Sample Name: C156876 R1 Operator: SLK
Run Time: 06/02/94 15:10:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0166	.1230	-.0018	.0603	-.0003	15.85	.0037
SDev	.0002	.0037	.0279	.0005	.0000	.03	.0017
%RSD	1.488	2.981	1543.	.7923	9.196	.1868	46.41
#1	-.0164	.1256	.0179	.0607	-.0003	15.88	.0049
#2	-.0168	.1205	-.0215	.0600	-.0003	15.83	.0025

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3200	.0058	.0183	3.418	368.3	23.50	.3189
SDev	.0044	.0035	.0037	.005	.7	.03	.0017
%RSD	1.391	60.50	20.50	.1454	.2010	.1195	.5384
#1	.3231	.0083	.0209	3.414	367.8	23.48	.3201
#2	.3168	.0033	.0156	3.421	368.8	23.52	.3177

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	375.3	.8700	-.0153	-.0153	-.0001	.1295	-.0159
SDev	1.5	.0008	.0275	.0638	.0011	.0004	.0179
%RSD	.4054	.0864	179.4	417.4	848.5	.2791	112.8
#1	374.3	.8695	.0041	.0298	.0007	.1298	-.0280
#2	376.4	.8706	-.0347	-.0604	-.0009	.1293	-.0032

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0006	.1195
SDev	.0033	.0023
%RSD	567.0	1.922

#1	.0029	.1211
#2	-.0018	.1179

Method: EMS2 Sample Name: C156877 R1 Operator: SLK
Run Time: 06/02/94 15:15:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0130	.1593	-.0010	.0541	-.0003	15.71	.0014
SDev	.0030	.0061	.0162	.0000	.0000	.06	.0011
%RSD	22.67	3.833	1637.	.0000	8.471	.3591	75.34
#1	-.0151	.1550	.0105	.0541	-.0003	15.67	.0007
#2	-.0109	.1636	-.0125	.0541	-.0003	15.75	.0022

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0321	.0063	.0098	1.391	448.6	11.16	.1082
SDev	.0022	.0002	.0015	.009	1.2	.00	.0014
%RSD	6.929	2.977	15.29	.6135	.2600	.0170	1.269
#1	.0306	.0062	.0087	1.385	449.4	11.16	.1073
#2	.0337	.0064	.0109	1.397	447.8	11.16	.1092

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	529.7	.1783	-.0430	-.0596	-.0070	.1647	.0064
SDev	1.4	.0017	.0089	.0065	.0032	.0001	.0027
%RSD	.2725	.9474	20.74	10.99	46.23	.0549	42.18
#1	530.7	.1795	-.0493	-.0549	-.0093	.1648	.0083
#2	528.7	.1771	-.0367	-.0642	-.0047	.1647	.0045

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0030	.0254
SDev	.0046	.0002
%RSD	153.5	.9125
#1	-.0003	.0255
#2	.0062	.0252

Method: EMS2 Sample Name: C156881 R1 Operator: SLK
Run Time: 06/02/94 15:19:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0214	.1352	-.0285	.0564	-.0003	67.79	.0023
SDev	.0048	.0018	.0251	.0013	.0000	.45	.0006
%RSD	22.42	1.356	87.96	2.332	10.60	.6687	26.75

#1	-.0180	.1365	-.0462	.0554	-.0003	67.47	.0028
#2	-.0248	.1339	-.0108	.0573	-.0003	68.11	.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	-.0011	.0066	.0377	59.69	214.5	-.0044
SDev	.0020	.0047	.0015	.0000	.02	.8	.0004
%RSD	379.0	424.8	22.63	.0009	.0261	.3770	8.211
#1	-.0009	-.0044	.0056	.0377	59.70	213.9	-.0041
#2	.0019	.0022	.0077	.0377	59.68	215.1	-.0047

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	96.34	.0109	-.0401	-.0035	-.0032	.7834	-.0201
SDev	.29	.0062	.0582	.0490	.0055	.0049	.0197
%RSD	.3046	56.90	145.1	1391.	170.9	.6228	97.97
#1	96.14	.0065	-.0813	-.0382	.0007	.7800	-.0341
#2	96.55	.0152	.0010	.0312	-.0071	.7869	-.0062

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0008	.0235
SDev	.0017	.0017
%RSD	220.8	7.242
#1	-.0004	.0223
#2	.0019	.0247

Method: EMS2 Sample Name: C156882 R1 Operator: SLK
Run Time: 06/02/94 15:23:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0185	.7479	-.0158	.1048	-.0002	164.0	-.0001
SDev	.0028	.0031	.0196	.0002	.0000	.2	.0004
%RSD	15.28	.4086	124.3	.2281	15.28	.1061	352.7
#1	-.0205	.7501	-.0296	.1046	-.0002	164.1	-.0004
#2	-.0165	.7458	-.0019	.1050	-.0003	163.9	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0136	.0590	.0212	1.751	51.90	318.4	.1542
SDev	.0022	.0023	.0004	.003	.06	.6	.0007
%RSD	16.35	3.952	1.768	.1600	.1157	.1948	.4362
#1	.0120	.0574	.0215	1.749	51.86	317.9	[illegible]
#2	.0152	.0607	.0209	1.753	51.95	318.8	[illegible]

Avge	148.1	.0659	-.0411	-.0309	-.0157	1.061	.0178
SDev	.7	.0030	.0251	.0046	.0000	.003	.0372
%RSD	.4775	4.553	61.18	15.04	.0000	.3151	208.9
#1	147.6	.0680	-.0589	-.0276	-.0157	1.059	.0441
#2	148.6	.0637	-.0233	-.0341	-.0157	1.064	-.0085

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0006	.0222
SDev	.0015	.0030
%RSD	240.2	13.53
#1	-.0004	.0201
#2	.0017	.0243

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/02/94 15:27:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.003	4.887	5.074	5.027	4.953	4.926	5.085
SDev	.009	.020	.017	.056	.046	.043	.016
%RSD	.9073	.3997	.3447	1.122	.9309	.8769	.3189
#1	.9970	4.873	5.062	4.987	4.920	4.895	5.073
#2	1.010	4.901	5.086	5.067	4.985	4.956	5.096

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.068	5.076	5.097	5.077	4.911	5.075	5.062
SDev	.030	.025	.048	.038	.152	.045	.036
%RSD	.5952	.4892	.9479	.7472	3.101	.8827	.7189
#1	5.047	5.058	5.063	5.050	5.018	5.044	5.036
#2	5.090	5.094	5.131	5.104	4.803	5.107	5.087

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.709	5.078	5.026	.9923	4.979	5.054	5.104
SDev	.050	.029	.010	.0435	.064	.053	.004
%RSD	1.069	.5639	.1911	4.388	1.286	1.042	.0775
#1	4.673	5.058	5.033	.9615	4.933	5.016	5.107
#2	4.744	5.099	5.019	1.023	5.024	5.091	5.101

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.047	5.062
SDev	.047	.028
%RSD	.9246	.5565
#1	5.014	5.042
#2	5.080	5.082

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/02/94 15:32:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0203	Q-.0246	Q.0071	Q.0009	Q.0007	0.0160	Q-.0005
SDev	.0011	.0006	.0032	.0004	.0002	.0042	.0009
%RSD	5.440	2.483	44.80	38.57	27.17	26.51	177.5
#1	Q-.0196	Q-.0251	Q.0093	Q.0012	Q.0009	Q.0190	Q.0001
#2	Q-.0211	Q-.0242	Q.0048	Q.0007	Q.0006	Q.0130	Q-.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0021	Q-.0012	Q.0000	Q-.0002	Q-.0291	Q.0126	Q.0002
SDev	.0007	.0014	.0019	.0014	.1167	.0028	.0014
%RSD	35.49	110.0	3217e6	775.5	401.3	22.33	566.3
#1	Q.0016	Q-.0022	Q-.0013	Q.0008	Q.0535	Q.0115	Q.0012
#2	Q.0026	Q-.0003	Q.0013	Q-.0012	Q-.1116	Q.0106	Q-.0007

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.1170	Q.0049	Q-.0276	Q.0197	Q.0214	Q.0009	Q-.0202
SDev	.0077	.0082	.0103	.0070	.0076	.0001	.0084
%RSD	6.624	168.2	37.18	35.82	35.58	10.10	41.
#1	Q-.1115	Q.0107	Q-.0348	Q.0246	Q.0160	Q.0010	Q-.0262
#2	Q-.1225	Q-.0009	Q-.0203	Q.0147	Q.0267	Q.0008	Q-.0143

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0009	Q.0012
SDev	.0010	.0001
%RSD	113.2	7.314
#1	Q.0016	Q.0013
#2	Q.0002	Q.0011

Method: EMS2 Sample Name: ICS-R Operator: SLK
Run Time: 06/02/94 15:35:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9909	496.1	-.3056	.4942	.4580	402.5	.9382
SDev	.0009	1.7	.0417	.0019	.0018	.6	.0083
%RSD	.0894	.3338	13.63	.3869	.3841	.1504	.8800
#1	.9903	497.3	-.2762	.4956	.4592	402.9	.9324
#2	.9915	494.9	-.3251	[illegible]	[illegible]	[illegible]	[illegible]

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4620	.4916	.4981	180.3	-.0307	513.0	.4740
SDev	.0007	.0013	.0022	.6	[illegible]	2.1	.0020
%RSD	.1594	.2687	.4511	.3199	605.6	[illegible]	.4243
#1	.4625	.4907	.4997	180.7	.1006	514.5	.4754
#2	.4615	.4926	.4965	179.9	-.1619	511.5	.4726

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.2895	Q1.563	.8661	-.0476	-.0219	.0144	.0295
SDev	.0059	.020	.0232	.0707	.0513	.0004	.0253
%RSD	2.039	1.282	2.678	148.6	234.3	3.129	85.53
#1	-.2937	Q1.577	.8825	.0024	.0144	.0148	.0474
#2	-.2854	Q1.549	.8497	-.0976	-.0582	.0141	[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4808	.9804
SDev	.0043	.0091
%RSD	.9047	.9273
#1	[illegible]	.9868
#2	.4777	.9740

Method: EMS2 Sample Name: CDL01-R Operator: SLK
Run Time: 06/02/94 15:39:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0240	Q.2142	Q.1399	Q.0468	.0200	.1008	.0226
SDev	.0023	.0061	.0002	.0005	.0002	.0033	.0011
%RSD	9.721	2.852	.1668	1.021	.8296	3.268	4.765
#1	.0224	Q.2099	Q.1397	Q.0465	.0198	.1031	.0218
#2	.0257	Q.2185	Q.1400	Q.0472	.0201	Q.0985	.0233

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2137	.0427	.1086	Q.1105	Q.4135	.1240	.06[illegible]
SDev	.0032	.0006	.0019	.0034	.0645	.0075	.0003
%RSD	1.505	1.376	1.725	3.113	15.59	6.032	.5437
#1	.2114	.0431	.1073	Q.1130	Q.4591	.1187	.0629
#2	.2159	.0423	.1099	Q.1081	Q.3679	.1293	.0634

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.3188	.1930	Q.0410	.2231	Q.1093	.0003	Q.1681
SDev	.0194	.0002	.0334	.0309	.0114	.0002	.0465
%RSD	6.082	.0962	81.46	13.84	10.44	56.57	27.68

#1	Q.3051	.1929	Q.0174	.2450	Q.1012	.0002	Q.1352
#2	Q.3325	.1931	.0646	.2013	Q.1173	.0004	Q.2010

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.2134	.0860
SDev	.0022	.0005
%RSD	1.038	.5296
#1	.2119	.0857
#2	.2150	.0863

R 218906

ICP

DATE 6/1/94 START TIME 8:00am

ANALYST [illegible] ENDING TIME 18:00 pm

SAMPLE	M#	PREPPED WT./VOL	DILUTIONS	PARAMETERS
1. STD1				
2. STD2				INTA 596
3. CCV				
4. BLA01				
5. ICV01				
6. BLA01				
7. HMCS				
8. COL01				
ICS-R				
10. DLS				
11. CCV				
12. BLA01				
13. LCS 1842B				Q 928469
14. BLA02 1842B				Q 928470
15. C156727		26/50		Rean
16. DUP		↓		Q 928471 ↓
17. SPI				Q 928472
18. DPS				Q 928473
19. B126410				
20. C156728				Cr, Pb
21. 729				Rean
22. 745				Fe ↓
23. CCV				
BLA01				
25. C156776		26/50		Rean
26. 777		↓		↓
27. 778				Pb

(2)

R

ICP

DATE 6/1/94 START TIME

ANALYST DM 3487 ENDING TIME

SAMPLE	M#	PREPPED WT./VOL	DILUTIONS	PARAMETERS
1. C156823		25/50		Rean
2. CCV				
3. BLA01				
4. LCS 1841B				Q 928336
5. BLA02				Q 928337
6. C156691				Ba, Cr, Pb
7. SPI01				↓
8. DUP02				
SPI02				
10. DPS02				↓ 002
11. C156706				Ba, Cr, Pb
12. SPI01				↓
13. CCV				
14. BLA01				
15. C156707				Ba, Cr, Pb
16. SPI01				↓
17. C156711				Rean
18. SPI01				↓
19. C156712				Ba, Cr, Pb
20. SPI01				↓
21. MSP				↓
22. CCV				
23. BLA01				
4. C156714				Ba, Cr, Pb
25. SPI01				↓
26. MSP				↓
27. CCV				

(3) R

ICP

DATE 6/1/24 START TIME

ANALYST OM 3487 ENDING TIME

SAMPLE	M#	PREPPED WT./VOL	DILUTIONS	PARAMETERS	
1. BLA01					
2. LCS 1846A		100ml	1:2		Q 928532
3. BLA02		↓	↓		Q 928533
4. C156909		26/100	1:2	Cr	
5. DUP		↓	↓	↓	Q 928534
6. SPI					Q 928535
7. DPS		↓	↓	↓	Q 928536
8. CCV					
9. BLA01					
10. C156858		26/100	1:2	Cr, Pb	
11. C156861		↓	↓	↓	
12. 862					
13. B126471				Cr, Cu, Pb	
14. C156914		↓	↓	Cr, Pb	
15. CCV					
16. BLA01					
17. C156727		26/50	1:5	Rean	
18. B126410		↓	↓	↓	
19. C156729					
20. 745				Rean	
21. 776					
22. 777		↓	↓	Rean	
23. CCV					
24. BLA01					
25. C156823		26/50	1:5		
26. CCV					
27. BLA01					

ICP

DATE 6/1/94 START TIME

ANALYST ENDING TIME

SAMPLE	M#	PREPPED WT./VOL	DILUTIONS	PARAMETERS
1. C156727		26/50	1:20	
2. DUP				Q 928471
3. SPI				Q 928472
4. DPS				Q 928473
5. B126410				
6. C156745				Fe
7. 777				
8. CCV				
BLA01				
10. LCS 1848A				Q 930658
11. BLA02 1848A				Q 930659
12. C156660				Pb, Ni
13. DUP				Q 930660
14. SPI				Q 930661
15. DPS				Q 930662
16. C156651				Cd, Cr, Cu, Pb, Ni
17. 662				Pb, Ni
18. 663				Pb, Ni
19. C156507		25ml/100	1:10	Ca, Fe
20. CCV				
21. BLA01				
22. ICS				
23. INTA				
CDL01				
25.				
26.				
27.				

ICP LEACI TES (1PTMSA)

Heritage Laboratories, .ndianapolis

Sample C156691
Prep Run # R217893
Analyst /# JM/3487
Date : 6/2/94

QC Type _____
Units 6/2/94 50 mg/L
Init (Wt/Vol) 50ml (G/ML)
Final (Vol) 50ml

Reviewer _____
Review date _____
Recorder DJL
Record Date 6-2-94

	Ag-660	As-136	Ba-144	Cd-203	Cr-239	Cu-260	Ni-496	Pb-435	Se-645	Zn-783
Test			M604.7		M610.2			M616.7		
Result			BDL		0.15			BDL		
Corrected Result										
Spike True Value										
Sample + Spike										
Spike Recovery										
Add1 True Value			1.0		1.0			1.0		
Sample Raw Data			1.079		0.1516			0.0106		
Samp + Add1			1.965		1.012			0.9235		
Dilution			NA		NA			~~0.0~~ NA SM 6/2/94		
Detection Limit			5.0		0.02			0.10		
% Rec/RDP			89%		86%			92%		
849 Density										
Density Cor. Result										
Density Cor. DL.										
Comments										

Page ____ of ____

ICP LEA(TES (1PTMSA)

Heritage Laboratories, Indianapolis

Sample C156706
Prep Run # R217893
Analyst /# JM/3487
Date : 6 / 2 / 94

QC Type
Units mg/L
Init (Wt/Vol) 50ml (G/ML)
Final (Vol) 50ml

Reviewer
Review date
Recorder DJL
Record Date 6-2-94

	Ag-660	As-136	Ba-144	Cd-203	Cr-239	Cu-260	Ni-496	Pb-435	Se-845	Zn-783
Test			m604.7		m610.7			m616.7		
Result			BDL		BDL			BDL		
Corrected Result										
Spike True Value										
Sample + Spike										
Spike Recovery										
Add1 True Value			1.0		1.0			1.0		
Sample Raw Data			1.003		0.0133			0.0062		
Samp + Add1			1.938		0.8229			0.8285		
Dilution			NA		NA			NA		
Detection Limit			5.0		0.02			0.10		
% Rec/RDP			94%		82%			83%		
849 Density										
Density Cor. Result										
Density Cor. DL.										
Comments										

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ICP LEACHATES (1PTMSA)

Heritage Laboratories, Indianapolis

Sample C156707
Prep Run # R217893
Analyst /# OU/3487
Date : 6 / 2 / 94

QC Type
Units mg/L
Init (Wt/Vol) 50ml (G/ML)
Final (Vol) 50ml

Reviewer
Review date
Recorder DX
Record Date 6-2-94

	Ag-660	As-136	Ba-144 ✓	Cd-203	Cr-239 ✓	Cu-260	Ni-496	Pb-435 ✓	Se-845	Zn-783
Test			M604.7		M610.7			M616.7		
Result			BDL		BDL			BDL		
Corrected Result										
Spike True Value										
Sample + Spike										
Spike Recovery										
Add1 True Value			1.0		1.0			1.0		
Sample Raw Data			0.5992		-0.0015			-0.0066		
Samp + Add1			1.471		0.8933			0.9062		
Dilution			NA		NA			NA		
Detection Limit			5.0		~~0.025~~ 0.02 SM 6/2/94			0.10		
% Rec/RDP			87%		89%			91%		
849 Density										
Density Cor. Result										
Density Cor. DL.										
Comments										

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0002218

ICP LEAC TES (1PTMSA)

Heritage Laboratories, Indianapolis

Sample C156712
Prep Run # R217893
Analyst /# OM/3487
Date : 6 / 2 / 94

QC Type _____
Units mg/L
Init (Wt/Vol) 50ml (G/ML)
Final (Vol) 50ml

Reviewer _____
Review date _____
Recorder DK
Record Date 6-2-94

	Ag-660	As-136	Ba-144	Cd-203	Cr-239	Cu-260	Ni-496	Pb-435	Se-645	Zn-783
Test			M7604.7 6/2/94		M7410.7 6/2/94			M7616.7 6/2/94		
Result			BDL		BDL			BDL		
Corrected Result			BDL		BDL			BDL		
Spike True Value			1.0		1.0			1.0		
Sample + Spike			4.319		0.8823			0.8963		
Spike Recovery			94%		88%			90%		
Add1 True Value			1.0		1.0			1.0		
Sample Raw Data			3.378		-0.0038			0.0118		
Samp + Add1			4.266		0.8930			0.9440		
Dilution			NA		NA			NA		
Detection Limit			5.0		0.02			0.10		
% Rec/RDP			89%		89%			94%		
849 Density										
Density Cor. Result										
Density Cor. DL.										
Comments										

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000219

ICP LEA(ATES (1PTMSA)

Heritage Laboratories, Indianapolis

Sample C156714
Prep Run # R217893
Analyst /# SM/3487
Date : 6/2/94

QC Type _____
Units mg/L
Init (Wt/Vol) 50ml (G/ML)
Final (Vol) 50ml

Reviewer _____
Review date _____
Recorder DM
Record Date [illegible]

	Ag-660	As-136	Ba-144 ✓	Cd-203	Cr-239 ✓	Cu-260	Ni-496	Pb-435 ✓	Se-645	Zn-783
Test			M604.7 SM 6/2/94		M610.7 SM 6/2/94			M616.7 SM 6/2/94		
Result			BDL		BDL			BDL		
Corrected Result			BDL		BDL			BDL		
Spike True Value			1.0		1.0			1.0		
Sample + Spike			2.509		0.8814			0.9710		
Spike Recovery			88%		88%			97%		
Add1 True Value			1.0		1.0			1.0		
Sample Raw Data			1.625		-0.0075			0.0515		
Samp + Add1			2.426		0.8548			0.9300		
Dilution			NA		NA			NA		
Detection Limit			5.0		0.02			0.10		
% Rec/RDP			80%		85%			93%		
849 Density										
Density Cor. Result										
Density Cor. DL.										
Comments										

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000220

Method: EMS2 Standard: STD1-Blank

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Avge	-.1111	.0368	-.0014	.0005	.0032	.0365	.0004
SDev	.0011	.0001	.0019	.0005	.0001	.0007	.0011
%RSD	.9545	.2401	141.4	106.1	2.773	1.937	282.8
#1	-.1104	.0369	.0000	.0001	.0031	.0370	-.0004
#2	-.1119	.0367	-.0027	.0009	.0033	.0360	.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.0005	.0009	.0015	.0272	.0431	.0040	.0015
SDev	.0014	.0034	.0005	.0003	.0133	.0018	.0002
%RSD	282.8	383.9	35.36	.9753	30.74	44.19	11.79
#1	-.0005	-.0015	.0011	.0270	.0525	.0027	.0016
#2	.0015	.0033	.0019	.0274	.0338	.0052	.0014

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Avge	.2719	.0027	-.0011	-.0125	.0015	.0006	.0114
SDev	.0005	.0000	.0071	.0173	.0025	.0001	.0066
%RSD	.1951	.0000	628.5	138.6	165.0	15.71	57.96
#1	.2722	.0027	-.0061	-.0247	.0033	.0005	.0068
#2	.2715	.0027	.0039	-.0003	-.0003	.0006	.0161

Elem	V 2924	Zn2138
Avge	.0018	.0041
SDev	.0003	.0016
%RSD	20.20	38.57
#1	.0015	.0030
#2	.0020	.0052

Method: EMS2 Standard: STD2

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Avge	1.355	1.560	2.951	7.398	25.60	1.797	9.705
SDev	.004	.006	.006	.005	.01	.004	.015
%RSD	.2740	.3740	.2187	.0621	.0197	.2115	.1494
#1	1.352	1.556	2.955	7.395	25.60	1.800	9.715
#2	1.357	1.564	2.946	7.401	25.60	1.794	9.695

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	3.508	4.297	2.300	6.780	.8528	.9446	2.507
SDev	.001	.016	.002	.005	.0171	.0011	.003
%RSD	.0277	.3621	.0730	.0756	2.011	.1216	.1058
#1	3.508	4.308	2.301	6.784	.8649	.9438	2.509
#2	3.507	4.286	2.299	6.776	.8406	.9454	2.505

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Avge	1.535	4.593	2.574	1.270	4.457	9.619	3.752
SDev	.007	.020	.021	.046	.010	.004	.005
%RSD	.4378	.4368	.8034	3.598	.2260	.0377	.1366

#1	1.530	4.607	2.589	1.238	4.450	9.616	3.748
#2	1.539	4.579	2.560	1.302	4.465	9.622	3.755

Elem	V_2924	Zn2138
Avge	10.58	7.690
SDev	.01	.019
%RSD	.1178	.2494
#1	10.59	7.704
#2	10.57	7.677

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 08:02:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.009	4.918	4.996	5.019	4.922	4.864	5.003
SDev	.013	.026	.043	.078	.020	.050	.031
%RSD	1.326	.5190	.8665	1.554	.4062	1.032	.6117
#1	.9995	4.900	4.966	4.964	4.908	4.829	4.981
#2	1.018	4.937	5.027	5.074	4.936	4.900	5.024

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.032	5.031	5.022	5.050	4.830	5.009	5.028
SDev	.048	.026	.031	.039	.091	.015	.037
%RSD	.9516	.5190	.6204	.7802	1.876	.2992	.7297
#1	4.998	5.013	5.000	5.022	4.894	4.998	5.002
#2	5.066	5.049	5.044	5.077	4.766	5.020	5.054

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q4.490	5.048	5.051	1.054	5.009	5.032	5.102
SDev	.039	.041	.045	.006	.009	.070	.176
%RSD	.8732	.8201	.8903	.5457	.1782	1.382	3.452
#1	Q4.462	5.019	5.020	1.050	5.003	4.983	4.978
#2	4.517	5.077	5.083	1.058	5.015	5.081	5.227

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.021	4.994
SDev	.038	.014
%RSD	.7564	.2870
#1	4.995	4.984
#2	5.048	5.004

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 08:05:36

Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q0.0002	Q-.1252	Q0.0177	Q0.0012	Q0.0012	Q-.0302	Q0.0000
SDev	.0005	.0221	.0090	.0010	.0005	.0005	.0013
%RSD	280.7	17.62	50.63	80.81	38.69	1.660	58070.
#1	Q-.0002	Q-.1096	Q0.0114	Q0.0019	Q0.0016	Q-.0299	Q0.0009
#2	Q0.0005	Q-.1408	Q0.0241	Q0.0005	Q0.0009	Q-.0306	Q-.0009

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q0.0000	Q0.0006	Q-.0005	Q-.0244	Q-.0116	Q-.0087	Q-.0010
SDev	.0015	.0004	.0038	.0001	.1889	.0104	.0000
%RSD	155200.	70.77	707.1	.5343	1631.	119.7	.0237
#1	Q-.0011	Q0.0009	Q0.0022	Q-.0244	Q0.1220	Q-.0013	Q-.0010
#2	Q0.0011	Q0.0003	Q-.0033	Q-.0245	Q-.1451	Q-.0160	Q-.0010

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.7182	Q-.0035	Q0.0052	Q0.0714	Q0.0021	Q0.0010	Q0.0047
SDev	.0091	.0008	.0099	.0213	.0268	.0007	.0088
%RSD	1.267	21.73	190.6	29.86	1273.	75.42	185.7
#1	Q-.7118	Q-.0030	Q0.0122	Q0.0864	Q0.0210	Q0.0015	Q-.0015
#2	Q-.7247	Q-.0041	Q-.0018	Q0.0563	Q-.0168	Q0.0005	Q0.0109

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q0.0005	Q0.0012
SDev	.0010	.0008
%RSD	211.6	66.20
#1	Q0.0012	Q0.0007
#2	Q-.0002	Q0.0018

Method: EMS2 Sample Name: ICV01-R Operator: SLK
Run Time: 06/01/94 08:08:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.059	2.179	.3882	2.029	.3835	Q87.33	.4029
SDev	.003	.010	.0280	.002	.0001	.06	.0018
%RSD	.1638	.4795	7.212	.1001	.0183	.0679	.4520
#1	2.057	2.172	.3684	2.031	.3836	Q87.29	.4016
#2	2.061	2.187	.4080	2.028	.3835	Q87.38	.4042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3997	.4045	.3998	.3842	122.1	103.5	.3970
SDev	.0003	.0008	.0008	.0013	.0	.0	.0018

%RSD	.0631	.2040	.1924	.3407	.0089	.0182	.4442
#1	.3996	.4051	.3992	.3833	122.1	103.5	.3958
#2	.3999	.4039	.4003	.3851	122.1	103.5	.3983

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q87.65	.3983	Q.4595	Q.4471	.3815	.0051	.3975
SDev	.11	.0006	.0117	.0107	.0131	.0004	.0256
%RSD	.1206	.1452	2.543	2.387	3.432	7.161	6.446
#1	Q87.58	.3987	Q.4678	.4396	.3908	.0054	.4156
#2	Q87.73	.3978	Q.4513	Q.4547	.3723	.0049	.3794

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4041	.4079
SDev	.0005	.0039
%RSD	.1231	.9651
#1	.4037	.4051
#2	.4044	.4107

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 08:11:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0014	Q-.1350	Q.0128	Q-.0003	Q.0003	Q-.0309	Q.0006
SDev	.0028	.0012	.0201	.0004	.0002	.0025	.0021
%RSD	191.5	.8598	156.7	141.4	50.59	8.127	359.9
#1	Q.0005	Q-.1359	Q-.0014	Q.0000	Q.0005	Q-.0327	Q.0021
#2	Q-.0034	Q-.1342	Q.0271	Q-.0005	Q.0002	Q-.0292	Q-.0009

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0005	Q-.0010	Q-.0011	Q-.0259	Q-.0780	Q.0060	Q-.0020
SDev	.0003	.0006	.0000	.0001	.1823	.0009	.0007
%RSD	47.05	60.60	.0000	.5049	233.8	15.67	35.35
#1	Q-.0004	Q-.0006	Q-.0011	Q-.0258	Q.0509	Q.0053	Q-.0015
#2	Q-.0007	Q-.0015	Q-.0011	Q-.0260	Q-.2069	Q.0067	Q-.0025

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.7618	Q-.0027	Q.0336	Q.0370	Q-.0111	Q-.0001	Q-.0040
SDev	.0147	.0031	.0027	.0074	.0236	.0000	.0064
%RSD	1.930	113.2	8.163	19.98	213.0	.0000	160.7
#1	Q-.7514	Q-.0005	Q.0317	Q.0318	Q-.0278	Q-.0001	Q.0005
#2	Q-.7722	Q-.0049	Q.0356	Q.0422	Q.0056	Q-.0001	Q-.0085

Elem	V_2924	Zn2138

Units	ppm	ppm
Avge	Q-.0005	Q.0003
SDev	.0004	.0002
%RSD	77.64	70.89
#1	Q-.0008	Q.0002
#2	Q-.0002	Q.0005

Method: EMS2 Standard: STD1-Blank

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Avge	-.1117	.0509	.0048	.0010	.0048	.0377	.0016
SDev	.0019	.0024	.0027	.0000	.0005	.0004	.0014
%RSD	1.662	4.685	56.94	.0000	11.16	1.173	87.03
#1	-.1104	.0526	.0068	.0010	.0051	.0380	.0006
#2	-.1130	.0492	.0029	.0010	.0044	.0374	.0026

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.0001	.0015	.0016	.0322	.0473	.0047	.0019
SDev	.0001	.0016	.0000	.0008	.0136	.0004	.0007
%RSD	141.4	106.1	.0000	2.471	28.81	9.428	37.71
#1	.0001	.0026	.0016	.0327	.0569	.0050	.0024
#2	.0000	.0004	.0016	.0316	.0376	.0044	.0014

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Avge	.2961	.0012	-.0069	.0051	-.0013	.0010	.0034
SDev	.0050	.0021	.0042	.0177	.0001	.0000	.0028
%RSD	1.672	169.7	59.88	344.9	6.734	.0000	83.81
#1	.2996	.0027	-.0040	-.0074	-.0014	.0010	.0014
#2	.2926	-.0003	-.0099	.0176	-.0012	.0010	.0054

Elem	V_2924	Zn2138
Avge	.0022	.0041
SDev	.0003	.0000
%RSD	12.12	.0000
#1	.0024	.0041
#2	.0020	.0041

Method: EMS2 Standard: STD2

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Avge	1.360	1.571	2.968	7.440	25.76	1.811	9.678
SDev	.002	.002	.016	.017	.01	.000	.029
%RSD	.1235	.1407	.5450	.2305	.0532	.0195	.3032
#1	1.359	1.572	2.956	7.452	25.77	1.810	9.657
#2	1.361	1.569	2.979	7.428	25.75	1.811	9.698

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	3.524	4.327	2.306	6.818	.8648	.9466	2.520
SDev	.002	.010	.005	.001	.0088	.0011	.000

%RSD	.0451	.2410	.2070	.0117	1.012	.1214	.0105
#1	3.526	4.320	2.310	6.819	.8710	.9474	2.520
#2	3.523	4.334	2.303	6.818	.8586	.9457	2.520

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Avge	1.551	4.591	2.581	1.294	4.465	9.669	3.785
SDev	.000	.004	.000	.030	.004	.020	.045
%RSD	.0228	.0963	.0137	2.350	.0871	.2075	1.179
#1	1.551	4.588	2.581	1.272	4.468	9.683	3.754
#2	1.551	4.594	2.580	1.315	4.463	9.654	3.817

Elem	V_2924	Zn2138
Avge	10.64	7.650
SDev	.00	.017
%RSD	.0399	.2265
#1	10.64	7.638
#2	10.64	7.662

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 08:25:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.001	4.865	5.007	4.953	4.932	4.863	5.056
SDev	.002	.008	.047	.005	.003	.002	.013
%RSD	.1559	.1554	.9352	.1007	.0614	.0411	.2529
#1	1.002	4.860	5.040	4.957	4.930	4.861	5.047
#2	1.0000	4.871	4.974	4.950	4.934	4.864	5.065

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.032	5.030	4.991	5.036	4.759	4.997	5.023
SDev	.004	.000	.004	.003	.111	.026	.003
%RSD	.0797	.0041	.0845	.0544	2.340	.5270	.0559
#1	5.035	5.030	4.988	5.034	4.838	5.016	5.025
#2	5.030	5.030	4.993	5.038	4.680	4.979	5.021

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q4.312	5.047	5.034	1.015	5.006	4.981	5.091
SDev	.032	.007	.068	.000	.007	.009	.056
%RSD	.7350	.1451	1.358	.0015	.1305	.1817	1.106
#1	Q4.335	5.052	5.082	1.015	5.010	4.987	5.051
#2	Q4.290	5.041	4.985	1.015	5.001	4.975	5.131

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.003	5.028

SDev	.001	.004
%RSD	.0149	.0790
#1	5.003	5.025
#2	5.002	5.031

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 08:29:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0020	Q-.2061	Q-.0261	Q-.0000	Q.0008	Q-.0395	Q-.0012
SDev	.0041	.0000	.0219	.0002	.0008	.0005	.0028
%RSD	209.2	.0002	83.76	192e6	106.0	1.263	231.5
#1	Q.0009	Q-.2061	Q-.0107	Q.0002	Q.0014	Q-.0392	Q.0008
#2	Q-.0048	Q-.2061	Q-.0416	Q-.0002	Q.0002	Q-.0399	Q-.0032

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0002	Q-.0014	Q-.0000	Q-.0323	Q-.1101	Q-.0233	Q-.0020
SDev	.0010	.0016	.0015	.0009	.1427	.0019	.0028
%RSD	563.2	113.0	527e6	2.826	129.6	8.094	141.5
#1	Q-.0009	Q-.0026	Q-.0011	Q-.0316	Q-.0092	Q-.0219	Q.0000
#2	Q.0005	Q-.0003	Q.0011	Q-.0329	Q-.2110	Q-.0246	Q-.0040

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.9128	Q.0020	Q.0058	Q.0013	Q.0132	Q.0006	Q.0510
SDev	.0345	.0048	.0185	.0159	.0018	.0008	.0120
%RSD	3.780	235.6	320.9	1219.	13.54	141.4	23.46
#1	Q-.8884	Q-.0014	Q.0188	Q-.0100	Q.0119	Q.0012	Q.0425
#2	Q-.9373	Q.0055	Q-.0073	Q.0126	Q.0144	Q.0000	Q.0594

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0008	Q-.0004
SDev	.0007	.0022
%RSD	87.11	536.4
#1	Q-.0012	Q.0012
#2	Q-.0003	Q-.0020

Method: EMS2 Sample Name: ICV01-R Operator: SLK
Run Time: 06/01/94 08:32:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.043	2.177	.3715	2.011	.3794	Q86.43	.3998

SDev	.014	.004	.0194	.017	.0025	.21	.0015
%RSD	.6638	.1871	5.221	.8507	.6605	.2449	.3879
#1	2.053	2.180	.3852	2.023	.3812	Q86.58	.3987
#2	2.034	2.174	Q.3578	1.999	.3777	Q86.28	.4009

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3962	.3966	.3957	.3767	120.1	102.9	.3940
SDev	.0023	.0018	.0042	.0006	1.2	.9	.0024
%RSD	.5693	.4635	1.066	.1734	1.009	.8445	.6185
#1	.3978	.3979	.3986	.3762	120.9	103.5	.3957
#2	.3946	.3953	.3927	.3771	119.2	102.3	.3923

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q87.61	.3948	.4202	.4127	.4007	.0047	.4147
SDev	.99	.0079	.0140	.0434	.0140	.0000	.0204
%RSD	1.131	2.001	3.335	10.51	3.506	.0000	4.924
#1	Q88.31	.4003	.4301	Q.4434	.4107	.0047	.4003
#2	Q86.90	.3892	.4103	.3820	.3908	.0047	.4291

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4023	.4065
SDev	.0021	.0034
%RSD	.5161	.8485
#1	.4038	.4089
#2	.4009	.4041

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 08:35:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0056	Q-.1905	Q-.0215	Q-.0003	Q-.0002	Q-.0346	Q.0009
SDev	.0013	.0070	.0279	.0005	.0001	.0045	.0033
%RSD	23.56	3.665	129.8	141.4	46.72	12.99	362.2
#1	Q.0065	Q-.1855	Q-.0018	Q-.0000	Q-.0001	Q-.0314	Q.0032
#2	Q.0047	Q-.1954	Q-.0412	Q-.0007	Q-.0003	Q-.0378	Q-.0014

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0012	Q-.0012	Q-.0027	Q-.0338	Q-.0635	Q-.0133	Q-.0030
SDev	.0015	.0008	.0061	.0016	.1070	.0066	.0000
%RSD	121.2	70.47	226.3	4.624	168.7	49.54	.0050
#1	Q-.0002	Q-.0006	Q.0016	Q-.0327	Q.0122	Q-.0180	Q-.0030
#2	Q-.0023	Q-.0017	Q-.0071	Q-.0349	Q-.1391	Q-.0086	Q-.0030

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.8775	Q-.0014	Q.0193	Q-.0051	Q.0071	Q-.0001	Q.0360
SDev	.0197	.0035	.0075	.0075	.0198	.0002	.0026
%RSD	2.247	254.4	39.04	146.8	277.3	141.4	7.169
#1	Q-.8914	Q.0011	Q.0140	Q.0002	Q.0211	Q.0000	Q.0342
#2	Q-.8635	Q-.0038	Q.0246	Q-.0104	Q-.0069	Q-.0003	Q.0379

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0005	Q-.0011
SDev	.0003	.0000
%RSD	54.09	2.731
#1	Q.0006	Q-.0012
#2	Q.0003	Q-.0011

Method: EMS2 Sample Name: HMCS-R Operator: SLK
Run Time: 06/01/94 08:38:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.971	9.935	9.957	9.911	9.900	9.933	9.906
SDev	.003	.023	.006	.014	.015	.006	.015
%RSD	.1583	.2284	.0635	.1367	.1520	.0602	.1549
#1	1.973	9.951	9.961	9.921	9.911	9.929	9.895
#2	1.968	9.919	9.952	9.902	9.889	9.937	9.917

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.916	9.937	9.912	9.929	9.863	9.934	9.935
SDev	.018	.016	.022	.003	.141	.018	.007
%RSD	.1821	.1649	.2205	.0328	1.425	.1799	.0742
#1	9.929	9.949	9.927	9.926	9.963	9.946	9.940
#2	9.904	9.926	9.896	9.931	9.764	9.921	9.930

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.09	9.929	10.02	1.986	9.925	9.931	9.962
SDev	.06	.001	.05	.058	.033	.013	.080
%RSD	.5794	.0117	.4916	2.917	.3290	.1326	.8013
#1	10.13	9.930	9.982	1.945	9.949	9.940	10.02
#2	10.05	9.928	10.05	2.027	9.902	9.921	9.906

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	9.918	9.905
SDev	.009	.017
%RSD	.0871	.1709

#1	9.912	9.917
#2	9.924	9.893

Method: EMS2 Sample Name: CDL01-R Operator: SLK
Run Time: 06/01/94 08:41:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0392	Q.2295	Q.1201	Q.0444	.0197	.1159	.0206
SDev	.0050	.0099	.0039	.0002	.0001	.0050	.0009
%RSD	12.87	4.308	3.227	.5357	.5099	4.307	4.446
#1	.0427	Q.2365	Q.1228	Q.0445	.0198	.1194	.0199
#2	.0356	Q.2225	Q.1173	Q.0442	.0197	.1124	.0212

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2103	.0426	.1055	.0689	Q.4977	.1041	.0598
SDev	.0018	.0047	.0004	.0044	.1524	.0075	.0018
%RSD	.8352	11.04	.3636	6.427	30.63	7.223	2.934
#1	.2116	.0460	.1058	.0721	Q.6055	.1094	.0611
#2	.2091	.0393	.1052	.0658	Q.3899	Q.0988	.0586

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.5458	.1703	.0852	.2375	Q.1248	.0000	Q.1612
SDev	.0239	.0025	.0123	.0707	.0220	.0000	.0340
%RSD	4.387	1.471	14.46	29.76	17.60	.0000	21.10
#1	Q.5627	.1685	.0765	.2875	Q.1093	.0000	Q.1853
#2	Q.5289	.1721	.0939	.1875	Q.1403	.0000	Q.1372

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.2083	.0838
SDev	.0013	.0009
%RSD	.6040	1.121
#1	.2091	.0845
#2	.2074	.0831

Method: EMS2 Sample Name: ICS-R Operator: SLK
Run Time: 06/01/94 08:44:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.002	482.1	-.0369	.4933	.4580	419.3	.9548
SDev	.001	.9	.0619	.0020	.0008	.5	.0057
%RSD	.1076	.1820	167.9	.4095	.1649	.1221	.5928

#1	1.001	482.8	-.0807	.4947	.4586	418.9	.9508
#2	1.003	481.5	.0069	.4918	.4575	419.7	.9588

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4659	.4871	.4933	181.3	-.0612	514.7	.4720
SDev	.0022	.0049	.0004	.0	.2314	.0	.0018
%RSD	.4839	1.009	.0777	.0214	378.3	.0003	.3718
#1	.4643	.4836	.4935	181.3	.1024	514.7	.4707
#2	.4675	.4906	.4930	181.4	-.2248	514.7	.4732

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.2978	.9219	.9382	.1191	-.0256	.0142	.1729
SDev	.0366	.0112	.0876	.0147	.0020	.0001	.0242
%RSD	12.30	1.212	9.338	12.31	7.728	.6458	14.01
#1	-.3237	.9140	.8762	.1295	-.0242	.0142	.1900
#2	-.2719	.9298	1.000	.1087	-.0270	.0141	.1558

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4801	1.027
SDev	.0006	.003
%RSD	.1346	.2675
#1	.4806	1.026
#2	.4796	1.029

Method: EMS2 Sample Name: DLS-R Operator: SLK
Run Time: 06/01/94 08:48:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0106	Q.0938	-.0167	Q.0071	.0044	-.1112	Q.0025
SDev	.0007	.0087	.0000	.0002	.0000	.0140	.0009
%RSD	6.792	9.301	.2433	3.367	.0084	12.57	37.15
#1	.0101	Q.1000	-.0168	Q.0069	.0044	-.1013	Q.0031
#2	.0111	Q.0876	-.0167	Q.0072	.0044	-.1211	Q.0018

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0085	.0106	.0184	Q.0064	.0298	.0246	Q.0040
SDev	.0023	.0063	.0000	.0085	.1589	.0019	.0007
%RSD	26.53	60.11	.0000	131.4	533.1	7.630	17.68
#1	Q.0069	Q.0061	.0184	Q.0124	.1422	.0233	Q.0045
#2	.0101	Q.0150	.0184	Q.0005	-.0826	.0260	Q.0035

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2361	.0112	Q.0935	Q-.0047	-.0004	-.0008	.0187

SDev	.0183	.0004	.0383	.0378	.0063	.0001	.0077
%RSD	7.757	3.453	40.97	805.0	1508.	10.88	41.43
#1	.2231	.0114	Q.0664	Q-.0314	-.0049	-.0009	.0132
#2	.2490	.0109	Q.1206	Q.0220	.0041	-.0008	.0242

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0067	.0200
SDev	.0002	.0012
%RSD	2.800	5.835
#1	Q.0065	.0192
#2	Q.0068	.0208

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 08:51:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9955	4.846	4.932	4.936	4.858	4.777	4.961
SDev	.0052	.010	.001	.012	.006	.012	.017
%RSD	.5185	.2041	.0196	.2479	.1288	.2508	.3462
#1	.9918	4.839	4.933	4.944	4.854	4.785	4.949
#2	.9991	4.853	4.932	4.927	4.862	4.768	4.973

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.963	4.968	4.967	4.972	4.799	4.979	4.963
SDev	.011	.001	.005	.002	.093	.006	.002
%RSD	.2174	.0165	.1081	.0472	1.937	.1132	.0354
#1	4.970	4.969	4.971	4.974	4.865	4.983	4.964
#2	4.955	4.968	4.964	4.971	4.734	4.975	4.962

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q4.319	4.977	5.016	.9992	4.921	4.958	5.025
SDev	.017	.008	.026	.0288	.050	.014	.043
%RSD	.3914	.1626	.5181	2.887	1.009	.2748	.8639
#1	Q4.307	4.971	5.034	.9788	4.886	4.967	4.994
#2	Q4.331	4.982	4.998	1.020	4.956	4.948	5.056

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	4.950	4.937
SDev	.000	.004
%RSD	.0067	.0758
#1	4.951	4.940
#2	4.950	4.935

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 08:54:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0016	Q-.1892	Q-.0105	Q-.0003	Q.0004	Q-.0297	Q-.0031
SDev	.0005	.0017	.0112	.0004	.0002	.0015	.0005
%RSD	29.78	.9220	106.6	141.4	66.38	5.054	17.68
#1	Q-.0013	Q-.1880	Q-.0185	Q-.0005	Q.0005	Q-.0286	Q-.0027
#2	Q-.0020	Q-.1905	Q-.0026	Q-.0000	Q.0002	Q-.0307	Q-.0035

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0007	Q-.0019	Q-.0000	Q-.0301	Q-.0849	Q.0027	Q-.0027
SDev	.0018	.0002	.0000	.0016	.1524	.0066	.0011
%RSD	247.7	10.96	.0000	5.190	179.6	246.7	38.57
#1	Q-.0005	Q-.0017	Q-.0000	Q-.0290	Q.0229	Q-.0020	Q-.0020
#2	Q.0020	Q-.0020	Q-.0000	Q-.0312	Q-.1926	Q.0073	Q-.0035

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.8820	Q.0026	Q-.0056	Q.0315	Q.0036	Q.0002	Q-.0051
SDev	.0077	.0021	.0017	.0047	.0247	.0001	.0167
%RSD	.8784	81.84	30.35	14.83	679.9	47.14	326.7
#1	Q-.8765	Q.0011	Q-.0044	Q.0348	Q.0211	Q.0003	Q.0067
#2	Q-.8875	Q.0041	Q-.0068	Q.0282	Q-.0139	Q.0001	Q-.0169

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0004	Q-.0012
SDev	.0010	.0003
%RSD	238.5	27.46
#1	Q-.0011	Q-.0015
#2	Q.0003	Q-.0010

Method: EMS2 Sample Name: Q928469 LCS-R Operator: SLK
Run Time: 06/01/94 08:57:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8811	.6196	.8225	.9258	.8566	.5907	.8771
SDev	.0067	.0012	.0159	.0101	.0089	.0090	.0120
%RSD	.7630	.1874	1.931	1.091	1.038	1.520	1.364
#1	.8764	.6188	.8337	.9186	.8503	.5844	.8686
#2	.8859	.6204	.8113	.9329	.8629	.5971	.8856

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8911	.9006	.9131	.8889	8.428	.8534	.8860
SDev	.0060	.0043	.0065	.0068	.021	.0216	.0070
%RSD	.6756	.4762	.7140	.7620	.2437	2.533	.7922
#1	.8869	.8976	.9084	.8841	8.443	.8381	.8810
#2	.8954	.9036	.9177	.8937	8.414	.8686	.8910

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.7460	.8795	.8850	.8385	.9028	-.0005	.9436
SDev	.0099	.0017	.0403	.0151	.0101	.0000	.0190
%RSD	1.322	.1968	4.558	1.806	1.118	.0000	2.012
#1	-.7530	.8783	.9136	.8492	.8957	-.0005	.9302
#2	-.7390	.8807	.8565	.8277	.9099	-.0005	.9570

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.9062	.8498
SDev	.0061	.0030
%RSD	.6687	.3530
#1	.9019	.8477
#2	.9105	.8519

Method: EMS2 Sample Name: Q928470 BLA02-R Operator: SLK
Run Time: 06/01/94 09:01:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0085	-.3279	-.0119	-.0005	-.0006	-.1684	-.0029
SDev	.0001	.0081	.0277	.0000	.0000	.0000	.0016
%RSD	1.419	2.484	231.9	.0000	6.311	.0015	53.47
#1	.0084	-.3336	.0076	-.0005	-.0006	-.1684	-.0018
#2	.0086	-.3221	-.0315	-.0005	-.0006	-.1684	-.0040

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0023	.0019	-.0024	-.2209	.0080	-.0040
SDev	.0023	.0021	.0011	.0001	.1827	.0122	.0000
%RSD	637.5	88.49	60.61	5.411	82.70	152.0	.0070
#1	.0012	.0038	.0011	-.0025	-.0917	.0167	-.0040
#2	-.0019	.0009	.0027	-.0023	-.3501	-.0006	-.0040

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.662	-.0031	.0361	-.0027	-.0031	-.0008	-.0008
SDev	.000	.0064	.0202	.0400	.0386	.0003	.0181
%RSD	.0000	203.0	55.94	1457.	1254.	32.64	2179.

#1	-1.662	.0014	.0503	.0255	-.0304	-.0010	.0120
#2	-1.662	-.0076	.0218	-.0310	.0242	-.0006	-.0136

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0006	.0021
SDev	.0020	.0006
%RSD	310.9	27.16
#1	-.0020	.0025
#2	.0008	.0017

Method: EMS2 Sample Name: C156727 2G:50 Operator: SLK
Run Time: 06/01/94 09:05:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0300	k58.66	k1.477	17.47	k.0019	742.8	k.9092
SDev	.0012	.22	.002	.13	.0001	.2	.0022
%RSD	3.995	.3759	.1031	.7339	3.367	.0240	.2410
#1	k.0292	k58.51	k1.478	17.38	k.0019	742.6	k.9076
#2	k.0309	k58.82	k1.475	17.56	k.0019	742.9	k.9107

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k1.546	k26.05	3.372	S-.0507	13.06	k214.6	k12.54
SDev	.006	.03	.010	.0000	.08	.4	.02
%RSD	.3731	.1037	.2957	.0107	.5878	.1740	.1791
#1	k1.550	k26.04	3.365	S-.0507	13.11	k214.3	k12.52
#2	k1.542	k26.07	3.379	S-.0508	13.00	k214.8	k12.55

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.566	k.8769	k618.9	k-14.73	-.3052	27.15	k4.425
SDev	.055	.0029	1.0	.09	.0119	.08	.031
%RSD	.7261	.3292	.1586	.5901	3.891	.2849	.6989
#1	7.527	k.8789	k618.2	k-14.79	-.2968	27.09	k4.447
#2	7.605	k.8748	k619.6	k-14.67	-.3136	27.20	k4.403

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.2956	k118.2
SDev	.0025	.1
%RSD	.8375	.0792
#1	k.2974	k118.3
#2	k.2939	k118.2

Method: EMS2 Sample Name: Q928471 DUP02 2G:50 Operator: SLK

Run Time: 06/01/94 09:08:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0282	k46.65	k.8363	18.49	k.0012	462.3	k.6387
SDev	.0006	.13	.0667	.03	.0000	5.1	.0069
%RSD	2.126	.2681	7.977	.1555	.1595	1.114	1.073
#1	k.0278	k46.56	k.7891	18.47	k.0012	458.7	k.6338
#2	k.0286	k46.74	k.8834	18.51	k.0012	466.0	k.6435

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.617	k28.90	2.550	S-.0509	7.135	k136.6	k13.47
SDev	.022	.27	.002	.0000	.148	.7	.12
%RSD	1.381	.9354	.0752	.0548	2.076	.4867	.8545
#1	1.601	k28.71	2.552	S-.0509	7.240	k136.1	k13.39
#2	1.632	k29.10	2.549	S-.0509	7.030	k137.0	k13.55

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.81	k.5563	k667.9	k-8.127	-.1307	28.54	k1.839
SDev	.06	.0021	7.5	.039	.0097	.06	.034
%RSD	.5603	.3834	1.121	.4840	7.419	.2191	1.848
#1	10.85	k.5548	k662.6	k-8.100	-.1238	28.49	k1.815
#2	10.77	k.5578	k673.2	k-8.155	-.1375	28.58	k1.863

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.1839	k134.7
SDev	.0010	.8
%RSD	.5475	.5942
#1	k.1846	k134.2
#2	k.1831	k135.3

Method: EMS2 Sample Name: Q928472 2G:50 Operator: SLK
Run Time: 06/01/94 09:11:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.7286	k54.87	k1.893	14.25	k.7264	787.9	k1.490
SDev	.0010	.29	.052	.17	.0033	2.8	.001
%RSD	.1318	.5365	2.734	1.159	.4543	.3575	.0369
#1	k.7292	k55.08	k1.856	14.36	k.7287	785.9	k1.489
#2	k.7279	k54.66	k1.929	14.13	k.7240	789.9	k1.490

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k1.927	k22.92	4.415	S-.0507	20.21	k255.6	k11.30

SDev	.005	.00	.061	.0000	.31	.5	.00
%RSD	.2473	.0214	1.381	.0011	1.546	.2002	.0281
#1	k1.923	k22.91	4.458	S-.0507	20.44	k256.0	k11.30
#2	k1.930	k22.92	4.371	S-.0507	19.99	k255.2	k11.30

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.747	k1.891	k534.5	k-13.31	.1056	22.79	k4.692
SDev	.080	.007	2.5	.02	.0613	.18	.008
%RSD	.9099	.3771	.4651	.1301	58.07	.8015	.1699
#1	8.803	k1.886	k532.7	k-13.29	.1490	22.92	k4.697
#2	8.690	k1.896	k536.3	k-13.32	.0623	22.66	k4.686

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.9915	k109.7
SDev	.0009	.2
%RSD	.0902	.1591
#1	k.9921	k109.6
#2	k.9909	k109.8

Method: EMS2 Sample Name: Q928473 2G:50 Operator: SLK
Run Time: 06/01/94 09:15:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.7092	k63.42	k1.591	12.17	k.7415	891.9	k1.468
SDev	.0103	.35	.041	.01	.0072	8.1	.004
%RSD	1.456	.5595	2.552	.1015	.9688	.9057	.2927
#1	k.7019	k63.17	k1.620	12.18	k.7364	886.1	k1.465
#2	k.7165	k63.68	k1.563	12.16	k.7466	897.6	k1.471

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k2.136	k31.53	3.892	S-.0509	21.68	k300.8	k12.69
SDev	.011	.26	.010	.0000	.15	1.9	.08
%RSD	.5048	.8133	.2562	.0353	.7083	.6252	.6246
#1	k2.129	k31.35	3.885	S-.0509	21.78	k299.5	k12.64
#2	k2.144	k31.72	3.899	S-.0509	21.57	k302.1	k12.75

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.55	k1.559	k639.8	k-10.94	.1094	35.85	k3.750
SDev	.05	.008	5.1	.17	.0378	.03	.009
%RSD	.4453	.5442	.8015	1.581	34.54	.0798	.2534
#1	11.51	k1.553	k636.1	k-10.82	.0827	35.83	k3.744
#2	11.58	k1.565	k643.4	k-11.06	.1361	35.87	k3.757

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k1.011	k134.6
SDev	.002	1.4
%RSD	.1740	1.023
#1	k1.010	k133.7
#2	k1.012	k135.6

Method: EMS2 Sample Name: B126410 2G:50 Operator: SLK
Run Time: 06/01/94 09:19:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0185	k37.69	k1.185	.4206	k.0004	291.5	k.4001
SDev	.0034	.36	.090	.0000	.0000	3.6	.0007
%RSD	18.14	.9509	7.626	.0000	7.692	1.227	.1820
#1	k.0162	k37.43	k1.121	.4206	k.0003	288.9	k.4006
#2	k.0209	k37.94	k1.249	.4206	k.0004	294.0	k.3996

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.2261	k1.376	2.666	S-.0518	94.13	k6.759	k13.19
SDev	.0013	.016	.019	.0000	.54	.030	.12
%RSD	.5534	1.160	.7049	.0743	.5720	.4389	.9072
#1	k.2252	k1.364	2.653	S-.0517	93.75	k6.738	k13.11
#2	k.2270	k1.387	2.679	S-.0518	94.51	k6.780	k13.28

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14.01	k.9275	k4.598	k-12.00	-.2039	.8904	k3.739
SDev	.08	.0114	.035	.24	.0328	.0078	.006
%RSD	.5531	1.227	.7590	1.982	16.11	.8728	.1490
#1	13.95	k.9194	k4.573	k-11.83	-.1806	.8849	k3.735
#2	14.06	k.9355	k4.622	k-12.17	-.2271	.8959	k3.743

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.4940	k4.120
SDev	.0032	.035
%RSD	.6506	.8508
#1	k.4917	k4.095
#2	k.4962	k4.145

Method: EMS2 Sample Name: C156728 2G:50 Operator: SLK
Run Time: 06/01/94 09:23:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0077	.6400	.0075	.9745	-.0006	1.935	.0568
SDev	.0005	.0110	.0065	.0006	.0000	.062	.0036
%RSD	6.289	1.722	85.69	.0610	.7243	3.225	6.259
#1	.0080	.6323	.0121	.9741	-.0006	1.891	.0542
#2	.0074	.6478	.0030	.9749	-.0006	1.980	.0593

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0309	.1253	4.280	.1957	.5254	.0216
SDev	.0010	.0014	.0008	.077	.1838	.0047	.0010
%RSD	189.4	4.603	.6122	1.800	93.91	.8961	4.879
#1	.0012	.0319	.1247	4.226	.3257	.5288	.0223
#2	-.0002	.0299	.1258	4.335	.0657	.5221	.0208

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4875	.0076	.1103	.0255	.0056	.0147	.0160
SDev	.0190	.0012	.0602	.0104	.0038	.0004	.0278
%RSD	3.900	15.17	54.58	40.73	67.18	2.481	173.7
#1	.4741	.0068	.1528	.0328	.0029	.0145	-.0037
#2	.5010	.0085	.0677	.0181	.0083	.0150	.0357

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0003	.3260
SDev	.0023	.0026
%RSD	758.8	.7815
#1	.0013	.3242
#2	-.0019	.3278

Method: EMS2 Sample Name: C156729 2G:50 Operator: SLK
Run Time: 06/01/94 09:28:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0164	k29.52	k.6859	22.86	k.0015	528.4	k1.813
SDev	.0041	.37	.0238	.34	.0000	4.0	.005
%RSD	24.84	1.251	3.465	1.489	2.480	.7497	.2973
#1	k.0193	k29.26	k.6691	22.62	k.0015	525.6	k1.809
#2	k.0135	k29.78	k.7027	23.10	k.0014	531.2	k1.817

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.1525	k2.571	8.552	S-.0499	4.296	k210.2	k7.621
SDev	.0003	.017	.143	.0000	.136	2.1	.068
%RSD	.1654	.6525	1.668	.0425	3.171	1.009	.8883

#1	k.1527	k2.560	8.452	S-.0499	4.393	k208.7	k7.573
#2	k.1524	k2.583	8.653	S-.0499	4.200	k211.7	k7.669

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.89	k1.330	k28.43	k-5.625	-.1020	.7898	k1.923
SDev	.21	.005	.17	.072	.0590	.0100	.029
%RSD	1.612	.3916	.5809	1.283	57.81	1.262	1.531
#1	12.74	k1.327	k28.31	k-5.574	-.0603	.7828	k1.902
#2	13.04	k1.334	k28.55	k-5.676	-.1437	.7969	k1.943

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.2108	k23.21
SDev	.0009	.21
%RSD	.4228	.8894
#1	k.2102	k23.06
#2	k.2115	k23.35

Method: EMS2 Sample Name: C156745 2G:50 Operator: SLK
Run Time: 06/01/94 09:32:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0795	k5.799	k3.298	.3302	k-.0006	65.24	k.9685
SDev	.0014	.049	.011	.0040	.0001	.75	.0035
%RSD	1.782	.8462	.3279	1.223	9.350	1.149	.3653
#1	k.0805	k5.764	k3.306	.3273	k-.0006	64.71	k.9660
#2	k.0785	k5.833	k3.291	.3330	k-.0005	65.77	k.9710

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.1495	k3.374	2.794	S-1079.	.4396	k11.63	k17.02
SDev	.0025	.023	.022	1.	.2043	.01	.14
%RSD	1.683	.6959	.7962	.0466	46.48	.0936	.8228
#1	k.1512	k3.357	2.778	S-1079.	.5841	k11.62	k16.92
#2	k.1477	k3.390	2.809	S-1080.	.2951	k11.64	k17.12

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.123	k2.886	k2.296	k-31.74	-.3153	.1681	k10.10
SDev	.001	.025	.024	.13	.0186	.0022	.00
%RSD	.1255	.8682	1.046	.4059	5.900	1.305	.0186
#1	-1.124	k2.869	k2.279	k-31.65	-.3284	.1665	k10.10
#2	-1.122	k2.904	k2.313	k-31.84	-.3021	.1696	k10.10

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.3211	k3.498

SDev	.0072	.011
%RSD	2.247	.3194
#1	k.3160	k3.490
#2	k.3262	k3.506

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 09:36:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.026	5.075	5.113	5.141	5.048	4.945	5.143
SDev	.006	.008	.023	.007	.012	.019	.025
%RSD	.5613	.1619	.4563	.1271	.2399	.3933	.4935
#1	1.030	5.069	5.096	5.145	5.056	4.959	5.160
#2	1.022	5.081	5.129	5.136	5.039	4.931	5.125

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.148	5.165	5.183	5.306	4.878	5.137	5.147
SDev	.012	.022	.008	.173	.111	.007	.017
%RSD	.2338	.4357	.1480	3.260	2.283	.1279	.3273
#1	5.156	5.181	5.189	5.428	4.957	5.142	5.159
#2	5.139	5.149	5.178	5.183	4.799	5.133	5.135

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.644	5.183	5.201	1.026	5.071	5.181	5.189
SDev	.018	.029	.058	.010	.029	.012	.031
%RSD	.3943	.5650	1.110	.9914	.5736	.2294	.5912
#1	4.657	5.203	5.242	1.033	5.092	5.189	5.211
#2	4.631	5.162	5.160	1.019	5.051	5.172	5.167

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.139	5.057
SDev	.015	.025
%RSD	.2899	.4964
#1	5.149	5.075
#2	5.128	5.040

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 09:40:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0006	Q-.1802	Q-.0151	Q.0034	Q.0001	Q-.0222	Q-.0031

SDev	.0038	.0146	.0189	.0000	.0001	.0060	.0018
%RSD	647.0	8.076	125.3	.0000	70.71	26.95	58.85
#1	Q.0033	Q-.1905	Q-.0017	Q.0034	Q.0002	Q-.0180	Q-.0018
#2	Q-.0021	Q-.1699	Q-.0285	Q.0034	Q.0001	Q-.0265	Q-.0044

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0000	Q-.0013	Q-.0000	Q.0032	Q-.0145	Q-.0007	Q-.0032
SDev	.0003	.0010	.0008	.0198	.1027	.0075	.0018
%RSD	332900.	78.49	2635e6	613.8	707.1	1154.	54.39
#1	Q.0002	Q-.0020	Q-.0005	Q.0172	Q.0581	Q.0047	Q-.0020
#2	Q-.0002	Q-.0006	Q.0005	Q-.0108	Q-.0871	Q-.0060	Q-.0045

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.7385	Q.0003	Q.0352	Q.0245	Q.0160	Q.0000	Q.0143
SDev	.0162	.0008	.0390	.0339	.0046	.0000	.0042
%RSD	2.193	282.0	110.7	138.3	28.53	.0000	29.46
#1	Q-.7271	Q.0008	Q.0628	Q.0485	Q.0192	Q.0000	Q.0172
#2	Q-.7500	Q-.0003	Q.0076	Q.0005	Q.0127	Q.0000	Q.0113

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0022	Q-.0012
SDev	.0016	.0008
%RSD	70.70	65.75
#1	Q-.0033	Q-.0007
#2	Q-.0011	Q-.0018

Method: EMS2 Sample Name: C156776 2G:50 Operator: SLK
Run Time: 06/01/94 09:44:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k-.0303	k56.61	k-.1833	4.112	k.0039	499.8	k.2011
SDev	.0355	.13	.3665	.029	.0000	5.6	.1020
%RSD	117.4	.2287	199.9	.7051	.0712	1.119	50.71
#1	k-.0554	k56.52	k-.4424	4.132	k.0039	495.9	k.1290
#2	-.0052	56.70	.0758	4.091	.0039	503.8	.2733

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0715	k.8532	2.353	S897.5	7.991	k153.6	k4.917
SDev	.0013	.0498	.017	810.0	.245	.2	.027
%RSD	1.754	5.840	.7334	90.24	3.071	.1526	.5426
#1	k.0724	k.8884	2.365	S1470.	8.165	k153.7	k4.898
#2	.0707	.8179	2.341	324.8	7.817	153.4	4.936

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	42.41	k.4473	k3.180	k3.985	-.0795	1.227	k-.8642
SDev	.45	.0015	.208	5.296	.0152	.008	1.2103
%RSD	1.071	.3450	6.535	132.9	19.17	.6260	140.0
#1	42.73	k.4462	k3.033	k7.730	-.0687	1.232	k-1.720
#2	42.09	.4484	3.327	.2404	-.0903	1.221	-.0084

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.1631	k24.63
SDev	.0014	.23
%RSD	.8667	.9289
#1	k.1621	k24.47
#2	.1641	24.79

Method: EMS2 Sample Name: C156777 2G:50 Operator: SLK
Run Time: 06/01/94 09:48:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0231	k84.37	k1.632	32.81	k.0079	764.0	k1.631
SDev	.0029	.30	.046	.09	.0001	4.7	.012
%RSD	12.47	.3530	2.806	.2629	1.265	.6182	.7561
#1	k.0251	k84.16	k1.665	32.74	k.0078	760.7	k1.622
#2	k.0211	k84.58	k1.600	32.87	k.0080	767.3	k1.640

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.2146	k8.138	13.32	S-.0524	13.78	k281.6	k16.08
SDev	.0018	.056	.02	.0000	.07	1.1	.08
%RSD	.8168	.6890	.1353	.0476	.4863	.3978	.5126
#1	k.2133	k8.099	13.31	S-.0524	13.83	k280.8	k16.03
#2	k.2158	k8.178	13.34	S-.0525	13.74	k282.4	k16.14

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	56.71	k1.518	k26.62	k-16.18	-.3104	1.847	k5.916
SDev	.04	.012	.21	.03	.0647	.006	.119
%RSD	.0633	.8128	.7926	.1861	20.85	.3466	2.005
#1	56.68	k1.510	k26.47	k-16.16	-.2646	1.842	k5.833
#2	56.73	k1.527	k26.77	k-16.20	-.3561	1.851	k6.000

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.3946	k37.63
SDev	.0016	.20
%RSD	.4058	.5423

#1	k.3934	k37.48
#2	k.3957	k37.77

Method: EMS2 Sample Name: C156778 2G:50 Operator: SLK
Run Time: 06/01/94 09:52:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0121	-.2754	-.0171	.0421	-.0006	.4883	.0005
SDev	.0035	.0006	.0230	.0006	.0000	.0060	.0007
%RSD	28.67	.2022	135.0	1.411	5.718	1.227	156.1
#1	.0097	-.2758	-.0334	.0417	-.0006	.4840	-.0000
#2	.0146	-.2750	-.0008	.0425	-.0005	.4925	.0010

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0079	.0911	5.684	-.2255	.1312	.0020
SDev	.0020	.0047	.0023	.062	.0789	.0292	.0014
%RSD	377.7	60.00	2.525	1.094	35.00	22.23	70.78
#1	-.0009	.0045	.0895	5.640	-.1697	.1106	.0010
#2	.0019	.0112	.0927	5.728	-.2813	.1518	.0030

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.307	.0050	.2200	.0094	-.0066	.0046	-.0006
SDev	.042	.0087	.0704	.0600	.0131	.0003	.0187
%RSD	3.179	172.1	32.00	641.5	198.6	5.976	3244.
#1	-1.337	-.0011	.1702	-.0331	-.0158	.0044	-.0138
#2	-1.278	.0112	.2698	.0518	.0027	.0048	.0126

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0037	.3910
SDev	.0010	.0034
%RSD	27.17	.8814
#1	.0030	.3886
#2	.0044	.3934

Method: EMS2 Sample Name: C156823 2G:50 Operator: SLK
Run Time: 06/01/94 09:57:07
Comment:
Mode: CONC

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k-.0534	k247.7	k-.2920	1.801	k.0136	697.2	k-.0635
SDev	.0016	2.3	.0257	.016	.0001	7.2	.0022
%RSD	2.917	.9472	8.798	.8909	.6921	1.037	3.461

#1	k-.0523	k246.1	k-.3102	1.789	k.0135	692.0	k-.0651
#2	k-.0545	k249.4	k-.2738	1.812	k.0137	702.3	k-.0620

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.2852	k.5321	.7691	S1467.	41.27	k455.4	k7.639
SDev	.0005	.0019	.0031	.	.03	4.0	.071
%RSD	.1771	.3487	.3989	.0024	.0760	.8678	.9269
#1	k.2856	k.5334	.7669	S1467.	41.24	k452.6	k7.589
#2	k.2848	k.5307	.7712	S1467.	41.29	k458.2	k7.689

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.805	k.7892	k.0314	k6.287	-.0911	.6916	k-1.349
SDev	.075	.0121	.0034	.039	.0313	.0064	.045
%RSD	1.298	1.539	10.97	.6219	34.32	.9254	3.349
#1	5.752	k.7806	k.0339	k6.315	-.0690	.6871	k-1.381
#2	5.859	k.7978	k.0290	k6.259	-.1132	.6961	k-1.318

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.5717	k1.517
SDev	.0046	.013
%RSD	.8117	.8638
#1	k.5684	k1.507
#2	k.5750	k1.526

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 10:01:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.037	5.107	5.226	5.178	5.080	5.093	5.241
SDev	.006	.083	.009	.075	.039	.132	.055
%RSD	.6144	1.628	.1807	1.448	.7595	2.587	1.051
#1	1.041	5.166	5.232	5.231	5.107	5.186	5.280
#2	1.032	5.048	5.219	5.125	5.052	5.000	5.202

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.225	5.251	5.202	5.271	4.935	5.179	5.214
SDev	.061	.054	.051	.117	.165	.064	.053
%RSD	1.162	1.027	.9805	2.215	3.352	1.232	1.023
#1	5.268	5.289	5.238	5.353	5.052	5.224	5.252
#2	5.182	5.213	5.166	5.188	4.818	5.134	5.177

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.657	5.236	5.236	.9906	5.120	5.227	5.244

SDev	.065	.048	.083	.0047	.018	.071	.021
%RSD	1.391	.9157	1.585	.4778	.3439	1.357	.4057
#1	4.703	5.270	5.295	.9872	5.133	5.277	5.259
#2	4.612	5.202	5.177	.9939	5.108	5.177	5.229

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.186	5.110
SDev	.055	.030
%RSD	1.053	.5900
#1	5.224	5.131
#2	5.147	5.089

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 10:05:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0026	Q-.1658	Q-.0152	Q.0003	Q.0002	Q-.0145	Q-.0014
SDev	.0010	.0047	.0128	.0004	.0000	.0010	.0005
%RSD	36.50	2.810	84.22	141.4	18.98	6.906	33.51
#1	Q.0020	Q-.1625	Q-.0242	Q.0005	Q.0002	Q-.0152	Q-.0017
#2	Q.0033	Q-.1691	Q-.0061	Q-.0000	Q.0002	Q-.0138	Q-.0010

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0011	Q-.0062	Q-.0005	Q.0270	Q-.0803	Q-.0159	Q-.0025
SDev	.0023	.0010	.0015	.0107	.1005	.0122	.0000
%RSD	212.1	16.43	282.8	39.58	125.3	76.71	.0112
#1	Q.0005	Q-.0055	Q.0005	Q.0194	Q-.0092	Q-.0246	Q-.0025
#2	Q-.0027	Q-.0069	Q-.0016	Q.0346	Q-.1514	Q-.0073	Q-.0025

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.6927	Q.0010	Q.0214	Q.0138	Q.0032	Q.0000	Q.0107
SDev	.0218	.0010	.0017	.0052	.0091	.0000	.0204
%RSD	3.152	100.9	7.976	37.45	282.8	.0000	190.0
#1	Q-.7082	Q.0003	Q.0226	Q.0174	Q-.0032	Q.0000	Q.0252
#2	Q-.6773	Q.0016	Q.0202	Q.0101	Q.0097	Q.0000	Q-.0037

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0021	Q-.0009
SDev	.0007	.0003
%RSD	32.16	38.41
#1	Q-.0016	Q-.0007
#2	Q-.0025	Q-.0012

Method: EMS2 Sample Name: Q928336 LCS-R Operator: SLK
Run Time: 06/01/94 10:09:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9929	.6973	.9698	.9918	.9352	.7209	.9915
SDev	.0104	.0099	.0048	.0277	.0084	.0025	.0031
%RSD	1.052	1.418	.4914	2.791	.8984	.3488	.3133
#1	.9855	.6903	.9732	.9722	.9293	.7226	.9893
#2	1.000	.7043	.9665	1.011	.9412	.7191	.9937

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9966	1.012	.9993	.9582	9.249	.9881	.9823
SDev	.0113	.011	.0157	.0139	.051	.0150	.0119
%RSD	1.132	1.070	1.573	1.455	.5494	1.521	1.215
#1	.9887	1.005	.9882	.9484	9.213	.9775	.9739
#2	1.005	1.020	1.010	.9681	9.285	.9988	.9907

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.5618	1.003	1.056	.9977	.9435	.0000	1.054
SDev	.0155	.012	.001	.0196	.0004	.0000	.017
%RSD	2.758	1.171	.0654	1.966	.0419	.0000	1.652
#1	-.5727	.9946	1.056	.9838	.9438	.0000	1.067
#2	-.5508	1.011	1.055	1.012	.9432	.0000	1.042

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.9890	.9710
SDev	.0117	.0037
%RSD	1.184	.3861
#1	.9807	.9683
#2	.9973	.9736

Method: EMS2 Sample Name: Q928337 BLA02-R Operator: SLK
Run Time: 06/01/94 10:13:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0053	-.3176	-.0229	-.0003	-.0005	-.1589	-.0012
SDev	.0005	.0052	.0037	.0002	.0000	.0005	.0006
%RSD	8.970	1.648	15.96	70.71	6.194	.3131	52.17
#1	.0057	-.3139	-.0255	-.0002	-.0005	-.1592	-.0008
#2	.0050	-.3213	-.0203	-.0005	-.0005	-.1585	-.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	-.0016	-.0000	-.0252	-.2377	-.0093	-.0030
SDev	.0015	.0006	.0015	.0021	.0811	.0197	.0000
%RSD	283.5	38.46	527e6	8.291	34.10	213.5	.0151
#1	-.0016	-.0020	-.0011	-.0237	-.1804	-.0232	-.0030
#2	.0005	-.0012	.0011	-.0266	-.2951	.0047	-.0030

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.479	-.0042	.0194	-.0109	-.0022	-.0005	.0052
SDev	.001	.0002	.0540	.0416	.0263	.0001	.0162
%RSD	.0476	4.536	278.7	379.8	1176.	20.20	312.0
#1	-1.479	-.0044	-.0188	-.0403	-.0208	-.0005	-.0063
#2	-1.478	-.0041	.0576	.0184	.0164	-.0004	.0166

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0028	.0016
SDev	.0016	.0022
%RSD	55.94	139.4
#1	-.0039	.0000
#2	-.0017	.0031

Method: EMS2 Sample Name: C156691 Operator: SLK
Run Time: 06/01/94 10:16:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	121.7	.0315	1.079	.0045	880.4	.0048
SDev	.0025	.3	.0295	.003	.0001	1.7	.0039
%RSD	124.4	.2787	93.62	.2974	1.293	.1953	79.89
#1	-.0038	121.9	.0524	1.081	.0045	881.6	.0021
#2	-.0002	121.4	.0107	1.077	.0044	879.2	.0075

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0631	.1516	-.0024	83.01	14.44	191.8	2.063
SDev	.0013	.0049	.0019	.13	.14	.4	.004
%RSD	1.988	3.261	78.57	.1548	.9885	.2125	.1697
#1	.0640	.1551	-.0011	83.10	14.54	192.1	2.066
#2	.0622	.1481	-.0038	82.92	14.34	191.5	2.061

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	254.9	.2102	.0106	.0487	-.0108	20.02	-.1943
SDev	1.2	.0008	.0000	.0221	.0332	.06	.0437
%RSD	.4680	.3623	.0660	45.43	308.6	.2854	22.51

#1	255.8	.2096	.0106	.0331	.0127	20.07	-.1634
#2	254.1	.2107	.0106	.0644	-.0343	19.98	-.2253

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.2038	3.889
SDev	.0120	.003
%RSD	5.883	.0751
#1	.1953	3.887
#2	.2123	3.891

Method: EMS2 Sample Name: SPT01 C156691 Operator: SLK
Run Time: 06/01/94 10:20:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9046	118.2	.9593	1.965	.8542	846.3	.8423
SDev	.0056	1.5	.0003	.032	.0103	1.2	.0012
%RSD	.6213	1.257	.0348	1.645	1.206	.1450	.1446
#1	.9086	119.2	.9595	1.988	.8614	847.2	.8432
#2	.9006	117.1	.9591	1.942	.8469	845.4	.8414

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9106	1.012	.9339	80.86	23.72	185.5	2.846
SDev	.0055	.009	.0123	.52	.62	2.1	.016
%RSD	.6057	.8523	1.314	.6399	2.630	1.121	.5780
#1	.9145	1.018	.9426	81.22	24.16	187.0	2.857
#2	.9067	1.006	.9253	80.49	23.28	184.0	2.834

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	245.4	1.053	.9235	.9351	1.017	19.27	.7196
SDev	4.9	.012	.0312	.0465	.011	.28	.0086
%RSD	2.016	1.153	3.378	4.976	1.051	1.459	1.195
#1	248.9	1.062	.9015	.9022	1.024	19.47	.7257
#2	241.9	1.044	.9456	.9680	1.009	19.07	.7136

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	1.071	4.586
SDev	.009	.037
%RSD	.8150	.7993
#1	1.077	4.612
#2	1.064	4.560

Method: EMS2 Sample Name: Q928338 DUP02 Operator: SLK

Run Time: 06/01/94 10:23:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0015	119.1	.9462	1.056	.8669	862.1	.8685
SDev	.0026	.4	.0112	.005	.0020	3.2	.0031
%RSD	171.7	.3092	1.184	.4836	.2295	.3747	.3608
#1	.0003	119.3	.9541	1.060	.8683	864.4	.8663
#2	-.0034	118.8	.9382	1.053	.8655	859.8	.8707

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9356	1.041	.9600	81.96	14.06	187.4	2.898
SDev	.0043	.008	.0023	.24	.21	.5	.012
%RSD	.4556	.7289	.2397	.2977	1.500	.2884	.3992
#1	.9386	1.046	.9616	82.13	14.21	187.8	2.906
#2	.9326	1.036	.9583	81.79	13.91	187.0	2.890

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	246.5	1.068	.9549	1.053	.9732	19.58	.7195
SDev	.5	.009	.0034	.011	.0099	.07	.0548
%RSD	.2155	.8119	.3532	1.027	1.017	.3791	7.614
#1	246.8	1.074	.9572	1.061	.9662	19.64	.7582
#2	246.1	1.062	.9525	1.046	.9802	19.53	.6807

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	1.096	4.662
SDev	.003	.010
%RSD	.2443	.2134
#1	1.097	4.669
#2	1.094	4.654

Method: EMS2 Sample Name: Q928339 SPI02W-R Operator: SLK
Run Time: 06/01/94 10:26:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7608	120.1	.9678	2.011	.8782	862.1	.8681
SDev	.0061	.1	.0001	.006	.0007	5.6	.0030
%RSD	.8031	.0590	.0052	.2835	.0828	.6487	.3404
#1	.7564	120.1	.9677	2.007	.8787	858.2	.8702
#2	.7651	120.2	.9678	2.016	.8777	866.1	.8660

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9438	1.050	.9708	82.07	24.34	188.0	2.908

SDev	.0043	.016	.0015	.27	.11	.0	.013
%RSD	.4517	1.523	.1580	.3330	.4664	.0191	.4587
#1	.9408	1.038	.9697	81.88	24.42	188.0	2.899
#2	.9468	1.061	.9719	82.26	24.26	187.9	2.917

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	248.2	1.076	.9184	1.024	1.003	19.61	.7130
SDev	.6	.005	.0908	.015	.019	.07	.0486
%RSD	.2338	.4835	9.888	1.437	1.893	.3679	6.822
#1	248.6	1.072	.8542	1.014	.9900	19.56	.6786
#2	247.8	1.080	.9826	1.035	1.017	19.66	.7474

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	1.102	4.680
SDev	.003	.006
%RSD	.2303	.1183
#1	1.100	4.676
#2	1.104	4.684

Method: EMS2 Sample Name: Q928340 DPS02W-R Operator: SLK
Run Time: 06/01/94 10:30:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0043	117.3	.9229	1.025	.8693	861.5	.8716
SDev	.0008	.1	.0318	.001	.0008	1.2	.0054
%RSD	19.36	.1145	3.441	.1044	.0910	.1402	.6191
#1	-.0037	117.4	.9454	1.025	.8699	862.3	.8678
#2	-.0049	117.3	.9005	1.024	.8688	860.6	.8754

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9294	1.035	.9404	81.75	13.80	186.9	2.886
SDev	.0005	.003	.0015	.06	.17	.2	.001
%RSD	.0540	.2566	.1631	.0730	1.261	.0813	.0242
#1	.9290	1.033	.9415	81.80	13.92	187.0	2.887
#2	.9298	1.037	.9394	81.71	13.68	186.8	2.886

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	242.6	1.068	.9037	.9812	1.013	19.13	.7002
SDev	.1	.000	.0542	.0824	.008	.01	.0307
%RSD	.0209	.0361	6.000	8.402	.8011	.0268	4.377
#1	242.6	1.069	.9421	1.039	1.007	19.14	.7219
#2	242.6	1.068	.8654	.9229	1.019	19.13	.6785

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	1.085	4.688
SDev	.000	.012
%RSD	.0008	.2505
#1	1.085	4.696
#2	1.085	4.680

Method: EMS2 Sample Name: C156706 Operator: SLK
Run Time: 06/01/94 10:34:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0053	7.284	.0424	1.003	.0031	942.7	-.0007
SDev	.0023	.042	.0195	.009	.0000	4.6	.0017
%RSD	43.32	.5829	46.01	.9363	1.062	.4884	266.4
#1	.0036	7.254	.0286	.9959	.0031	939.4	.0006
#2	.0069	7.314	.0562	1.009	.0031	945.9	-.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0098	.0133	-.0003	7.584	5.691	158.4	5.162
SDev	.0003	.0010	.0004	.034	.148	.5	.026
%RSD	2.552	7.682	141.4	.4502	2.602	.3178	.5030
#1	.0097	.0140	-.0000	7.559	5.796	158.0	5.143
#2	.0100	.0126	-.0005	7.608	5.587	158.8	5.180

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	667.2	.3761	.0062	-.0033	-.0143	1.370	.0158
SDev	4.1	.0000	.0167	.0057	.0263	.013	.0098
%RSD	.6133	.0006	271.5	174.5	184.4	.9212	62.11
#1	664.3	.3761	-.0057	-.0074	.0043	1.361	.0089
#2	670.1	.3761	.0180	.0008	-.0329	1.379	.0228

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0184	1.723
SDev	.0008	.006
%RSD	4.056	.3714
#1	.0178	1.719
#2	.0189	1.728

Method: EMS2 Sample Name: SPI01 C156706 Operator: SLK
Run Time: 06/01/94 10:37:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9228	8.045	.8978	1.938	.7590	929.0	.7741
SDev	.0035	.026	.0226	.016	.0030	2.7	.0012
%RSD	.3771	.3252	2.520	.8217	.3940	.2870	.1528
#1	.9252	8.063	.9138	1.949	.7612	930.9	.7749
#2	.9203	8.026	.8818	1.926	.7569	927.1	.7732

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8027	.8229	.8689	8.267	15.69	156.4	5.884
SDev	.0085	.0008	.0023	.035	.44	.6	.028
%RSD	1.063	.0994	.2648	.4288	2.811	.3679	.4710
#1	.8088	.8223	.8705	8.292	16.01	156.8	5.904
#2	.7967	.8235	.8672	8.241	15.38	156.0	5.865

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	659.5	1.154	.8285	.8280	.8668	1.366	.8401
SDev	4.2	.000	.0400	.0603	.0135	.011	.0331
%RSD	.6401	.0332	4.824	7.281	1.552	.7697	3.937
#1	662.5	1.154	.8567	.7853	.8573	1.374	.8634
#2	656.5	1.154	.8002	.8706	.8763	1.359	.8167

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.8340	2.474
SDev	.0007	.013
%RSD	.0795	.5077
#1	.8345	2.483
#2	.8336	2.466

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 10:42:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9882	4.826	5.009	4.876	4.842	4.819	4.987
SDev	.0040	.031	.009	.060	.047	.001	.037
%RSD	.4016	.6507	.1758	1.235	.9636	.0115	.7417
#1	.9854	4.804	5.003	4.833	4.809	4.819	4.961
#2	.9910	4.849	5.015	4.919	4.875	4.818	5.013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.979	5.021	4.956	4.985	4.630	4.924	4.973
SDev	.020	.018	.042	.027	.138	.001	.033
%RSD	.3981	.3493	.8435	.5329	2.989	.0203	.6635

#1	4.965	5.009	4.926	4.966	4.727	4.924	4.949
#2	4.993	5.033	4.985	5.004	4.532	4.923	4.996

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q4.330	4.983	5.033	1.016	4.945	4.943	5.002
SDev	.044	.008	.017	.013	.006	.055	.015
%RSD	1.025	.1629	.3334	1.258	.1161	1.114	.3031
#1	Q4.299	4.988	5.045	1.025	4.941	4.904	5.013
#2	Q4.362	4.977	5.021	1.007	4.949	4.981	4.991

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	4.926	4.870
SDev	.038	.022
%RSD	.7796	.4498
#1	4.899	4.854
#2	4.953	4.885

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 10:46:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0012	Q-.2468	Q-.0124	Q-.0013	Q-.0006	Q-.1458	Q-.0010
SDev	.0001	.0052	.0373	.0000	.0000	.0050	.0009
%RSD	10.09	[illegible]	[illegible]	.0000	[illegible]	[illegible]	
#1	Q.0013	Q-.2431	Q.0140	Q-.0013	Q-.0006	Q-.1423	Q-.0004
#2	Q.0011	Q-.2505	Q-.0388	Q-.0013	Q-.0006	Q-.1493	Q-.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0011	Q-.0030	Q-.0035	Q-.0287	Q-.1774	Q-.0119	Q-.0017
SDev	.0013	.0018	.0035	.0016	.1168	.0028	.0011
%RSD	117.7	60.60	97.91	5.456	65.83	23.71	60.62
#1	Q.0020	Q-.0017	Q-.0011	Q-.0276	Q-.0948	Q-.0139	Q-.0010
#2	Q.0002	Q-.0043	Q-.0060	Q-.0298	Q-.2599	Q-.0099	Q-.0025

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-1.059	Q-.0022	Q.0643	Q.0301	Q.0201	Q-.0005	Q.0065
SDev	.015	.0042	.0109	.0076	.0069	.0004	.0134
%RSD	1.463	194.5	17.01	25.37	34.37	70.71	205.3
#1	Q-1.048	Q.0008	Q.0720	Q.0354	Q.0153	Q-.0003	Q-.0029
#2	Q-1.070	Q-.0052	Q.0566	Q.0247	Q.0250	Q-.0008	Q.0160

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0015	Q-.0012

SDev	.0003	.0010
%RSD	22.89	84.15
#1	Q-.0012	Q-.0005
#2	Q-.0017	Q-.0019

Method: EMS2 Sample Name: C156707 Operator: SLK
Run Time: 06/01/94 10:50:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	-.0668	-.0295	.5992	-.0005	.4582	-.0006
SDev	.0000	.0081	.0253	.0083	.0000	.0035	.0011
%RSD	.0034	12.18	85.71	1.388	7.193	.7631	192.1
#1	.0102	-.0611	-.0474	.6051	-.0005	.4558	-.0013
#2	.0102	-.0726	-.0116	.5933	-.0005	.4607	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	-.0015	.0022	1.519	.7729	.0852	.0913
SDev	.0008	.0002	.0015	.013	.0854	.0216	.0014
%RSD	30.38	13.89	70.71	.8835	11.05	25.38	1.538
#1	.0019	-.0013	.0011	1.529	.8333	.0699	.0923
#2	.0030	-.0016	.0033	1.510	.7125	.1005	.0903

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1204.	.0142	-.0066	.0127	-.0015	.0094	.0025
SDev	19.	.0027	.0106	.0094	.0202	.0002	.0118
%RSD	1.581	19.02	160.2	74.33	1311.	1.937	468.3
#1	1218.	.0161	.0009	.0193	-.0158	.0096	-.0058
#2	1191.	.0123	-.0141	.0060	.0127	.0093	.0108

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0004	.4460
SDev	.0012	.0022
%RSD	287.7	.4942
#1	.0004	.4475
#2	-.0012	.4444

Method: EMS2 Sample Name: SPI01 C156707 Operator: SLK
Run Time: 06/01/94 10:57:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8671	.8214	.8772	1.471	.8116	1.246	.8734

SDev	.0065	.0023	.0003	.002	.0014	.001	.0003
%RSD	.7475	.2833	.0356	.1212	.1694	.0401	.0314
#1	.8625	.8231	.8770	1.469	.8106	1.245	.8736
#2	.8717	.8198	.8774	1.472	.8126	1.246	.8732

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8805	.8933	.8762	2.341	10.26	.9525	.9600
SDev	.0005	.0022	.0027	.001	.12	.0075	.0000
%RSD	.0570	.2520	.3064	.0278	1.127	.7902	.0000
#1	.8801	.8917	.8781	2.341	10.34	.9578	.9600
#2	.8808	.8948	.8743	2.342	10.18	.9472	.9600

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1165.	.8806	.9062	.8224	.9006	.0092	.9352
SDev	.	.0010	.0362	.0408	.0315	.0002	.0164
%RSD	.0261	.1094	3.999	4.967	3.494	1.992	1.757
#1	1165.	.8813	.8806	.7935	.8783	.0091	.9468
#2	1165.	.8800	.9319	.8512	.9228	.0093	.9235

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.8773	1.310
SDev	.0002	.001
%RSD	.0197	.0969
#1	.8772	1.311
#2	.8774	1.309

Method: EMS2 Sample Name: C156711 Operator: SLK
Run Time: 06/01/94 11:01:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	.2523	-.0128	2.007	-.0002	310.9	.0008
SDev	.0025	.0029	.0039	.014	.0000	1.2	.0011
%RSD	44.66	1.156	30.50	.6866	13.82	.3959	131.5
#1	.0039	.2503	-.0156	2.017	-.0002	311.7	.0001
#2	.0074	.2544	-.0101	1.998	-.0002	310.0	.0016

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0145	-.0039	.0057	2.720	4.042	115.8	2.512
SDev	.0008	.0016	.0004	.020	.085	.8	.013
%RSD	5.183	42.04	6.734	.7234	2.113	.6898	.5023
#1	.0151	-.0027	.0054	2.734	4.102	116.4	2.521
#2	.0140	-.0051	.0060	2.706	3.981	115.3	2.503

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1092.	.0345	.0544	.0117	-.0256	.3035	.0138
SDev	9.	.0029	.0021	.0256	.0063	.0020	.0225
%RSD	.8081	8.377	3.762	218.7	24.73	.6628	163.5
#1	1098.	.0324	.0559	.0298	-.0301	.3049	-.0021
#2	1086.	.0365	.0530	-.0064	-.0211	.3020	.0297

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0015	1.549
SDev	.0023	.015
%RSD	152.7	1.000
#1	-.0031	1.560
#2	.0001	1.538

Method: EMS2 Sample Name: SPI01 C156711 Operator: SLK
Run Time: 06/01/94 11:04:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8954	1.184	.7634	2.787	.6986	296.6	.7276
SDev	.0002	.008	.0283	.002	.0001	.9	.0096
%RSD	.0268	.6881	3.705	.0725	.0189	.3039	1.318
#1	.8956	1.190	.7434	2.785	.6985	295.9	.7208
#2	.8952	1.178	.7834	2.788	.6987	297.2	.7344

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7489	.7444	.7788	3.321	13.65	111.2	3.125
SDev	.0045	.0063	.0023	.004	.18	.0	.005
%RSD	.6032	.8529	.2955	.1255	1.338	.0088	.1460
#1	.7457	.7489	.7805	3.318	13.78	111.2	3.122
#2	.7521	.7399	.7772	3.324	13.52	111.2	3.129

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1038.	.7521	.7526	.7159	.7721	.2860	.7632
SDev	.	.0060	.0038	.0360	.0140	.0006	.0153
%RSD	.0301	.7945	.4991	5.032	1.820	.1918	2.000
#1	1038.	.7563	.7553	.6904	.7622	.2864	.7740
#2	1037.	.7478	.7500	.7414	.7820	.2856	.7524

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.7488	2.211
SDev	.0027	.005
%RSD	.3622	.2224

#1	.7469	2.207
#2	.7507	2.214

Method: EMS2 Sample Name: MSP C156711 Operator: SLK
Run Time: 06/01/94 11:08:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5709	1.200	.8519	2.701	.7947	286.1	.8382
SDev	.0005	.005	.0011	.031	.0069	.8	.0096
%RSD	.0842	.3872	.1300	1.157	.8680	.2912	1.144
#1	.5712	1.204	.8527	2.723	.7996	286.7	.8449
#2	.5705	1.197	.8511	2.679	.7899	285.6	.8314

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8606	.8630	.8962	3.341	13.29	107.3	3.151
SDev	.0070	.0008	.0111	.017	.36	.8	.021
%RSD	.8161	.0936	1.241	.5030	2.742	.7258	.6790
#1	.8656	.8636	.9041	3.353	13.54	107.8	3.166
#2	.8557	.8625	.8884	3.329	13.03	106.7	3.136

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	999.3	.8679	.8911	.9614	.8673	.2765	.8741
SDev	11.7	.0015	.0062	.0396	.0046	.0027	.0188
%RSD	1.174	.1773	.6898	4.114	.5248	.9589	2.150
#1	1008.	.8690	.8955	.9894	.8640	.2784	.8608
#2	991.0	.8669	.8868	.9335	.8705	.2746	.8874

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.8647	2.272
SDev	.0069	.014
%RSD	.7955	.6283
#1	.8695	2.282
#2	.8598	2.262

Method: EMS2 Sample Name: C156712 Operator: SLK
Run Time: 06/01/94 11:12:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	.7642	-.0409	3.378	.0001	616.2	.0005
SDev	.0007	.0116	.0045	.010	.0000	1.4	.0003
%RSD	17.03	1.521	11.03	.2884	53.69	.2232	58.59

#1	.0037	.7560	-.0441	3.371	.0000	615.2	.0003
#2	.0047	.7725	-.0377	3.385	.0001	617.2	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0136	-.0038	.0662	13.67	3.228	389.4	2.049
SDev	.0000	.0016	.0000	.03	.135	1.0	.004
%RSD	.0082	42.44	.0000	.2431	4.186	.2607	.1873
#1	.0136	-.0027	.0662	13.65	3.324	388.7	2.046
#2	.0136	-.0050	.0662	13.70	3.133	390.1	2.052

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.261	.0418	.0118	-.0410	-.0550	.3306	.0364
SDev	.032	.0040	.0167	.0084	.0328	.0008	.0005
%RSD	.5062	9.681	141.8	20.47	59.74	.2489	1.378
#1	6.239	.0446	-.0000	-.0351	-.0318	.3300	.0368
#2	6.284	.0389	.0236	-.0469	-.0782	.3311	.0361

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0006	2.049
SDev	.0027	.003
%RSD	475.1	.1370
#1	.0014	2.047
#2	-.0025	2.051

Method: EMS2 Sample Name: SPI01 C156712 Operator: SLK
Run Time: 06/01/94 11:15:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8930	1.708	.9041	4.266	.8259	605.2	.8705
SDev	.0020	.007	.0191	.005	.0009	2.4	.0061
%RSD	.2284	.4093	2.118	.1086	.1121	.3966	.7027
#1	.8915	1.713	.8905	4.263	.8252	603.5	.8662
#2	.8944	1.704	.9176	4.269	.8265	606.9	.8749

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8858	.8930	1.004	14.37	12.55	384.6	2.897
SDev	.0070	.0055	.000	.03	.15	.2	.006
%RSD	.7929	.6188	.0382	.1904	1.189	.0614	.2058
#1	.8808	.8891	1.003	14.35	12.65	384.4	2.893
#2	.8908	.8969	1.004	14.39	12.44	384.7	2.901

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.092	.9001	.9440	.8944	.9017	.3288	.9249

SDev	.006	.0035	.0773	.0017	.0251	.0002	.0003
%RSD	.0795	.3853	8.185	.1935	2.787	.0556	.0295
#1	7.096	.8976	.8894	.8956	.8839	.3287	.9251
#2	7.088	.9025	.9986	.8932	.9194	.3289	.9247

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.8876	2.891
SDev	.0015	.005
%RSD	.1700	.1777
#1	.8866	2.895
#2	.8887	2.888

Method: EMS2 Sample Name: MSP C156712 Operator: SLK
Run Time: 06/01/94 11:19:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5292	1.716	.8965	4.319	.8241	610.2	.8611
SDev	.0047	.018	.0393	.053	.0053	3.3	.0058
%RSD	.8841	1.049	4.386	1.224	.6376	.5468	.6777
#1	.5259	1.704	.8687	4.282	.8204	607.8	.8570
#2	.5325	1.729	.9243	4.356	.8278	612.5	.8653

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8803	.8823	.9982	14.54	12.79	389.4	2.914
SDev	.0053	.0039	.0103	.09	.02	2.0	.014
%RSD	.5983	.4409	1.037	.5879	.1521	.5159	.4683
#1	.8766	.8796	.9909	14.48	12.80	388.0	2.904
#2	.8840	.8851	1.006	14.60	12.78	390.8	2.923

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.045	.8953	.8963	.9420	.9161	.3320	.9048
SDev	.073	.0044	.0024	.0361	.0483	.0040	.0212
%RSD	1.030	.4949	.2709	3.835	5.271	1.212	2.347
#1	6.994	.8922	.8980	.9676	.8819	.3292	.8898
#2	7.097	.8984	.8946	.9165	.9502	.3349	.9198

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.8865	2.918
SDev	.0034	.002
%RSD	.3846	.0699
#1	.8841	2.917
#2	.8889	2.920

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 11:23:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9921	4.809	4.981	5.018	4.840	4.848	4.985
SDev	.0011	.027	.004	.018	.012	.016	.001
%RSD	.1086	.5564	.0718	.3670	.2452	.3291	.0109
#1	.9913	4.828	4.984	5.032	4.848	4.859	4.984
#2	.9929	4.790	4.979	5.005	4.831	4.837	4.985

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.007	5.046	5.052	4.976	4.640	4.972	4.998
SDev	.004	.020	.027	.010	.223	.053	.010
%RSD	.0851	.4010	.5389	.2094	4.799	1.058	.1966
#1	5.010	5.061	5.072	4.983	4.798	5.009	5.005
#2	5.004	5.032	5.033	4.969	Q4.483	4.935	4.991

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q4.309	4.996	5.038	.9911	4.940	5.076	5.028
SDev	.056	.022	.061	.0389	.002	.023	.045
%RSD	1.308	.4317	1.214	3.929	.0481	.4539	.8993
#1	Q4.349	5.011	5.082	.9635	4.942	5.092	5.060
#2	Q4.269	4.981	4.995	1.019	4.939	5.059	4.996

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	4.971	4.902
SDev	.017	.009
%RSD	.3412	.1842
#1	4.983	4.909
#2	4.959	4.896

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 11:27:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0013	Q-.2456	Q-.0165	Q-.0008	Q-.0003	Q-.1518	Q-.0026
SDev	.0031	.0047	.0425	.0001	.0000	.0055	.0015
%RSD	244.9	1.895	258.3	15.71	10.19	3.617	56.67
#1	Q.0035	Q-.2489	Q.0136	Q-.0007	Q-.0003	Q-.1479	Q-.0015
#2	Q-.0009	Q-.2423	Q-.0466	Q-.0008	Q-.0003	Q-.1557	Q-.0036

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0000	Q.0009	Q-.0030	Q-.0272	Q-.1896	Q-.0159	Q-.0027
SDev	.0038	.0012	.0027	.0005	.1535	.0066	.0018
%RSD	2008000.	141.4	90.00	1.914	80.98	41.36	64.29
#1	Q.0027	Q.0017	Q-.0011	Q-.0268	Q-.0810	Q-.0113	Q-.0015
#2	Q-.0027	Q.0000	Q-.0049	Q-.0276	Q-.2981	Q-.0206	Q-.0040

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-1.078	Q-.0007	Q.0111	Q.0185	Q.0092	Q-.0003	Q-.0020
SDev	.019	.0037	.0349	.0293	.0164	.0002	.0244
%RSD	1.764	537.5	314.1	158.1	177.8	70.71	1250.
#1	Q-1.065	Q.0019	Q.0358	Q.0392	Q.0208	Q-.0001	Q.0153
#2	Q-1.092	Q-.0033	Q-.0136	Q-.0022	Q-.0024	Q-.0004	Q-.0192

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0006	Q-.0029
SDev	.0012	.0011
%RSD	181.3	38.72
#1	Q.0002	Q-.0021
#2	Q-.0015	Q-.0038

Method: EMS2 Sample Name: C156714 Operator: SLK
Run Time: 06/01/94 11:31:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	.4884	-.0073	1.625	.0001	635.3	-.0012
SDev	.0026	.0256	.0114	.014	.0001	2.1	.0027
%RSD	55.71	5.240	156.1	.8555	134.5	.3269	226.5
#1	.0029	.4703	.0008	1.615	.0000	633.8	.0007
#2	.0066	.5065	-.0154	1.635	.0002	636.8	-.0030

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0140	-.0075	.0141	5.890	2.517	435.1	2.197
SDev	.0005	.0051	.0023	.015	.187	.5	.008
%RSD	3.579	67.87	16.32	.2500	7.430	.1171	.3519
#1	.0137	-.0112	.0125	5.880	2.650	435.5	2.192
#2	.0144	-.0039	.0157	5.901	2.385	434.8	2.203

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.428	.0297	.0515	.0093	-.0469	.2769	.0311
SDev	.031	.0019	.0000	.0192	.0008	.0017	.0155
%RSD	.9039	6.495	.0500	206.7	1.689	.6274	49.75

#1	3.406	.0283	.0515	.0229	-.0474	.2757	.0202
#2	3.450	.0310	.0515	-.0043	-.0463	.2781	.0420

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0016	1.271
SDev	.0013	.002
%RSD	77.59	.1478
#1	-.0025	1.272
#2	-.0007	1.269

Method: EMS2 Sample Name: SPI01 C156714 Operator: SLK
Run Time: 06/01/94 11:34:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8200	1.375	.8594	2.426	.7900	620.1	.8296
SDev	.0073	.012	.0445	.037	.0055	5.1	.0048
%RSD	.8929	.8447	5.178	1.538	.6947	.8275	.5830
#1	.8252	1.383	.8908	2.452	.7939	623.7	.8330
#2	.8148	1.367	.8279	2.399	.7861	616.4	.8262

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8441	.8548	.9169	6.597	10.97	425.3	2.986
SDev	.0023	.0035	.0111	.051	.18	2.7	.020
%RSD	.2672	.4061	1.213	.7664	1.597	.6341	.6680
#1	.8457	.8573	.9247	6.633	11.09	427.2	3.000
#2	.8425	.8523	.9090	6.562	10.85	423.3	2.972

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.199	.8516	.9300	.8556	.8964	.2712	.9098
SDev	.051	.0081	.0168	.0597	.0200	.0036	.0042
%RSD	1.224	.9500	1.803	6.975	2.230	1.315	.4562
#1	4.235	.8573	.9182	.8134	.8822	.2737	.9127
#2	4.162	.8459	.9419	.8977	.9105	.2687	.9069

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.8510	2.209
SDev	.0069	.016
%RSD	.8092	.7189
#1	.8559	2.220
#2	.8462	2.198

Method: EMS2 Sample Name: MSP C156714 Operator: SLK

Run Time: 06/01/94 11:38:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3994	1.357	.8937	2.509	.8181	604.1	.8582
SDev	.0034	.001	.0200	.014	.0023	1.5	.0019
%RSD	.8414	.0857	2.241	.5494	.2820	.2429	.2237
#1	.4018	1.358	.8795	2.518	.8197	603.0	.8568
#2	.3971	1.356	.9079	2.499	.8164	605.1	.8595

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8819	.8814	.9583	6.490	11.81	416.6	2.973
SDev	.0015	.0092	.0015	.002	.13	1.1	.001
%RSD	.1705	1.045	.1601	.0301	1.117	.2607	.0244
#1	.8808	.8748	.9594	6.491	11.91	417.3	2.973
#2	.8830	.8879	.9573	6.489	11.72	415.8	2.974

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.909	.8773	.9710	.9852	.9155	.2678	.9133
SDev	.041	.0064	.0082	.0170	.0328	.0004	.0368
%RSD	1.045	.7247	.8447	1.721	3.588	.1366	4.034
#1	3.938	.8728	.9768	.9972	.8923	.2680	.9393
#2	3.880	.8818	.9652	.9732	.9388	.2675	.8872

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.8864	2.079
SDev	.0015	.004
%RSD	.1716	.1969
#1	.8854	2.082
#2	.8875	2.077

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 11:42:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9850	4.794	5.047	4.894	4.852	4.857	5.007
SDev	.0003	.020	.059	.023	.028	.008	.010
%RSD	.0249	.4126	1.165	.4710	.5866	.1549	.2062
#1	.9849	4.780	5.005	4.878	4.832	4.862	5.000
#2	.9852	4.807	5.088	4.910	4.872	4.852	5.014

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.003	5.060	5.003	4.961	4.650	4.965	4.987

SDev	.023	.033	.036	.013	.059	.033	.022
%RSD	.4512	.6423	.7206	.2703	1.279	.6620	.4434
#1	4.987	5.037	4.977	4.952	4.692	4.942	4.971
#2	5.019	5.083	5.028	4.971	4.608	4.988	5.002

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.248	5.006	5.057	.9644	4.953	4.986	5.024
SDev	.065	.016	.022	.0670	.070	.026	.068
%RSD	1.525	.3268	.4257	6.946	1.410	.5299	1.357
#1	4.202	4.995	5.042	.9170	4.904	4.968	4.976
#2	4.294	5.018	5.072	1.012	5.002	5.005	5.072

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	4.934	4.910
SDev	.025	.019
%RSD	.5040	.3948
#1	4.917	4.896
#2	4.952	4.924

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 12:00:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0050	Q-.2254	Q-.0226	Q-.0011	Q-.0006	Q-.1402	Q-.0008
SDev	.0012	.0017	.0170	.0004	.0000	.0080	.0014
%RSD	23.96	.7735	75.46	32.64	5.788	5.699	163.4
#1	Q.0042	Q-.2242	Q-.0346	Q-.0008	Q-.0005	Q-.1345	Q.0001
#2	Q.0059	Q-.2267	Q-.0105	Q-.0013	Q-.0006	Q-.1458	Q-.0018

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0000	Q-.0051	Q-.0019	Q-.0240	Q-.2156	Q.0067	Q-.0032
SDev	.0008	.0010	.0027	.0040	.2162	.0103	.0011
%RSD	44640.	20.17	141.4	16.86	100.3	154.2	32.63
#1	Q-.0005	Q-.0043	Q-.0000	Q-.0211	Q-.0627	Q.0140	Q-.0025
#2	Q.0005	Q-.0058	Q-.0038	Q-.0268	Q-.3685	Q-.0006	Q-.0040

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-1.055	Q-.0061	Q-.0104	Q.0006	Q-.0116	Q-.0004	Q.0070
SDev	.001	.0002	.0277	.0027	.0178	.0002	.0023
%RSD	.0667	3.131	265.5	443.6	153.3	47.14	33.38
#1	Q-1.055	Q-.0060	Q.0091	Q.0025	Q.0010	Q-.0003	Q.0087
#2	Q-1.056	Q-.0063	Q-.0300	Q-.0013	Q-.0242	Q-.0005	Q.0054

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0010	Q-.0029
SDev	.0011	.0014
%RSD	113.2	47.34
#1	Q-.0002	Q-.0020
#2	Q-.0017	Q-.0039

Method: EMS2 Sample Name: Q928532 LCSO-R 1:2 Operator: SLK
Run Time: 06/01/94 12:03:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4977	.2289	.0846	.5539	-.0005	.6510	.4780
SDev	.0061	.0256	.0155	.0163	.0001	.0205	.0057
%RSD	1.231	11.18	18.35	2.939	10.91	3.142	1.185
#1	.4933	.2108	.0736	.5424	-.0005	.6365	.4740
#2	.5020	.2470	.0956	.5654	-.0005	.6654	.4820

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.5313	.5369	.4930	-.2309	.5827	.5036
SDev	.0013	.0092	.0092	.0123	.0800	.0141	.0088
%RSD	135.4	1.730	1.714	2.484	34.65	2.417	1.742
#1	.0018	.5248	.5304	.4844	-.1743	.5727	.4974
#2	.0000	.5378	.5434	.5017	-.2874	.5927	.5098

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.7112	.4905	.5111	.0178	.0340	.0066	-.0843
SDev	.0127	.0150	.0363	.0248	.0008	.0006	.0000
%RSD	1.783	3.063	7.094	139.4	2.328	8.319	.0553
#1	-.7201	.4799	.5368	.0353	.0334	.0062	-.0843
#2	-.7022	.5011	.4855	.0003	.0346	.0070	-.0844

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.5137	.4780
SDev	.0103	.0037
%RSD	2.005	.7854
#1	.5065	.4754
#2	.5210	.4807

Method: EMS2 Sample Name: Q928533 BLA02-R 1:2 Operator: SLK
Run Time: 06/01/94 12:07:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0126	-.2407	-.0165	.0003	-.0006	.3954	-.0003
SDev	.0017	.0151	.0206	.0005	.0001	.0125	.0050
%RSD	13.29	6.285	124.5	141.4	11.00	3.156	1564.
#1	.0115	-.2513	-.0310	-.0000	-.0006	.3866	-.0039
#2	.0138	-.2300	-.0020	.0007	-.0005	.4042	.0032

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	.0026	.0011	-.0122	-.1628	.1588	-.0027
SDev	.0010	.0012	.0031	.0012	.1611	.0019	.0011
%RSD	62.83	47.01	282.8	9.634	98.93	1.179	38.52
#1	-.0023	.0017	-.0011	-.0130	-.0489	.1575	-.0035
#2	-.0009	.0035	.0033	-.0113	-.2767	.1601	-.0020

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.8974	.0012	.0251	-.0107	.0018	-.0006	-.0388
SDev	.0000	.0006	.0137	.0065	.0059	.0003	.0225
%RSD	.0000	47.02	54.39	60.80	326.4	47.14	58.06
#1	-.8974	.0008	.0155	-.0061	.0060	-.0008	-.0229
#2	-.8974	.0016	.0348	-.0153	-.0024	-.0004	-.0547

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0001	.0404
SDev	.0023	.0015
%RSD	3481.	3.717
#1	-.0016	.0393
#2	.0017	.0415

Method: EMS2 Sample Name: C156909 2G:200 Operator: SLK
Run Time: 06/01/94 12:11:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0090	6.565	.0112	.0108	.0011	10.83	.0138
SDev	.0052	.002	.0137	.0000	.0011	.04	.0009
%RSD	57.44	.0266	122.1	.0000	100.6	.3643	6.638
#1	.0126	6.566	.0209	.0108	.0018	10.80	.0144
#2	.0053	6.564	.0015	.0108	.0003	10.85	.0131

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0096	.1287	.5367	82.41	.6192	44.59	1.052
SDev	.0038	.0090	.0004	.00	.1168	.04	.003
%RSD	39.33	6.996	.0715	.0005	18.86	.0949	.2667

#1	.0069	.1224	.5369	82.40	.7018	44.56	1.050
#2	.0122	.1351	.5364	82.41	.5367	44.62	1.054

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.140	.0358	.0595	.0446	-.0281	.0157	-.0051
SDev	.017	.0023	.0239	.0529	.0040	.0003	.0542
%RSD	1.482	6.460	40.22	118.6	14.07	1.746	1065.
#1	1.152	.0374	.0426	.0072	-.0309	.0159	.0332
#2	1.128	.0342	.0764	.0820	-.0253	.0155	-.0434

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0169	.3759
SDev	.0007	.0036
%RSD	4.099	.9624
#1	.0164	.3734
#2	.0174	.3785

Method: EMS2 Sample Name: Q928534 2G:200 Operator: SLK
Run Time: 06/01/94 12:14:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0050	6.676	-.0188	.0111	.0003	11.35	.0150
SDev	.0008	.028	.0107	.0002	.0000	.07	.0016
%RSD	16.19	.4238	57.14	2.143	1.200	.5980	10.56
#1	.0045	6.656	-.0112	.0113	.0003	11.31	.0138
#2	.0056	6.696	-.0264	.0109	.0003	11.40	.0161

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0105	.1294	.5413	83.29	.6100	45.26	1.066
SDev	.0010	.0021	.0046	.54	.1535	.24	.007
%RSD	9.590	1.615	.8502	.6442	25.17	.5383	.6910
#1	.0097	.1279	.5380	82.91	.7186	45.09	1.061
#2	.0112	.1308	.5445	83.67	.5015	45.44	1.071

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.480	.0413	.0309	.0614	-.0354	.0159	-.0003
SDev	.049	.0031	.0111	.0187	.0135	.0006	.0083
%RSD	3.284	7.473	35.99	30.47	38.01	3.449	3226.
#1	1.445	.0391	.0230	.0482	-.0259	.0155	.0056
#2	1.514	.0434	.0388	.0747	-.0449	.0163	-.0061

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0165	.4001

SDev	.0016	.0027
%RSD	9.592	.6802
#1	.0154	.3982
#2	.0176	.4020

Method: EMS2 Sample Name: Q928535 2G:200 Operator: SLK
Run Time: 06/01/94 12:17:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4348	6.790	.0478	.4824	.0005	10.82	.4312
SDev	.0049	.007	.0135	.0021	.0000	.04	.0055
%RSD	1.130	.1099	28.16	.4433	2.204	.3831	1.278
#1	.4313	6.785	.0383	.4809	.0005	10.79	.4351
#2	.4382	6.796	.0573	.4839	.0005	10.85	.4273

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0105	.5861	.9952	80.15	.5114	42.61	1.455
SDev	.0018	.0006	.0015	.25	.0962	.06	.005
%RSD	16.70	.1028	.1541	.3124	18.81	.1502	.3375
#1	.0118	.5865	.9941	79.97	.5795	42.56	1.452
#2	.0093	.5857	.9963	80.33	.4434	42.65	1.459

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.824	.4621	.4147	.0619	.0262	.0217	-.1109
SDev	.040	.0014	.0018	.0210	.0182	.0000	.0015
%RSD	2.201	.2911	.4291	33.92	69.58	.0000	1.340
#1	1.796	.4612	.4159	.0767	.0390	.0217	-.1119
#2	1.853	.4631	.4134	.0471	.0133	.0217	-.1098

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4609	.7717
SDev	.0056	.0030
%RSD	1.222	.3880
#1	.4569	.7696
#2	.4649	.7739

Method: EMS2 Sample Name: Q928536 2G:200 Operator: SLK
Run Time: 06/01/94 12:21:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4609	7.351	.0766	.4987	.0005	11.76	.4631

SDev	.0014	.086	.0115	.0076	.0001	.12	.0072
%RSD	.3044	1.175	15.08	1.525	8.668	1.014	1.555
#1	.4599	7.290	.0848	.4933	.0006	11.68	.4581
#2	.4619	7.412	.0684	.5041	.0005	11.85	.4682

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0128	.6218	1.048	86.46	.5825	46.51	1.566
SDev	.0015	.0099	.010	.85	.1514	.43	.017
%RSD	11.73	1.590	.9511	.9856	25.98	.9202	1.076
#1	.0117	.6148	1.041	85.86	.6895	46.21	1.554
#2	.0139	.6288	1.055	87.07	.4755	46.82	1.577

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.992	.4996	.5054	.0594	.0395	.0231	-.1196
SDev	.004	.0066	.0732	.0357	.0117	.0003	.0435
%RSD	.1768	1.311	14.49	60.06	29.59	1.188	36.37
#1	1.989	.4950	.4536	.0342	.0477	.0229	-.0889
#2	1.994	.5042	.5572	.0846	.0312	.0233	-.1504

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4827	.8158
SDev	.0060	.0037
%RSD	1.242	.4551
#1	.4784	.8131
#2	.4869	.8184

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 12:25:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.008	4.573	5.102	5.014	4.903	4.866	5.062
SDev	.004	.003	.036	.009	.004	.029	.023
%RSD	.4290	.0638	.7114	.1825	.0780	.5947	.4601
#1	1.011	4.571	5.128	5.020	4.906	4.886	5.078
#2	1.005	4.575	5.077	5.007	4.901	4.845	5.045

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.083	5.152	5.099	5.030	Q4.451	4.996	5.069
SDev	.012	.017	.008	.022	.138	.023	.017
%RSD	.2270	.3333	.1504	.4377	3.109	.4511	.3255
#1	5.091	5.164	5.104	5.046	4.549	5.012	5.080
#2	5.075	5.140	5.093	5.015	Q4.353	4.980	5.057

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q3.343	5.058	5.093	.9808	5.005	5.108	5.017
SDev	.023	.001	.023	.0251	.026	.012	.026
%RSD	.6952	.0227	.4564	2.560	.5100	.2381	.5204
#1	Q3.360	5.058	5.109	.9630	4.987	5.116	4.999
#2	Q3.327	5.057	5.076	.9985	5.023	5.099	5.036

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.001	4.957
SDev	.014	.012
%RSD	.2760	.2366
#1	5.011	4.965
#2	4.992	4.949

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 12:29:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0009	Q-.2386	Q-.0051	Q-.0010	Q-.0004	Q-.1543	Q-.0025
SDev	.0031	.0017	.0240	.0005	.0002	.0010	.0001
%RSD	334.4	.7313	471.0	47.14	53.99	.6467	3.682
#1	Q.0013	Q-.2374	Q-.0221	Q-.0007	Q-.0002	Q-.1550	Q-.0025
#2	Q-.0031	Q-.2398	Q.0119	Q-.0013	Q-.0005	Q-.1536	Q-.0026

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0002	Q-.0052	Q-.0030	Q-.0219	Q-.1789	Q-.0053	Q-.0015
SDev	.0000	.0016	.0012	.0012	.0627	.0009	.0000
%RSD	.9878	31.46	38.57	5.350	35.05	17.89	.0014
#1	Q-.0002	Q-.0040	Q-.0022	Q-.0211	Q-.1345	Q-.0046	Q-.0015
#2	Q-.0002	Q-.0064	Q-.0038	Q-.0228	Q-.2232	Q-.0059	Q-.0015

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-1.038	Q-.0012	Q.0418	Q.0503	Q.0222	Q-.0003	Q-.0212
SDev	.010	.0064	.0400	.0113	.0230	.0004	.0042
%RSD	.9500	519.2	95.70	22.46	103.2	141.4	19.93
#1	Q-1.045	Q.0033	Q.0701	Q.0583	Q.0385	Q.0000	Q-.0182
#2	Q-1.031	Q-.0057	Q.0135	Q.0423	Q.0060	Q-.0005	Q-.0242

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0021	Q-.0007
SDev	.0007	.0008
%RSD	34.82	116.2

#1	Q-.0026	Q-.0013
#2	Q-.0016	Q-.0001

Method: EMS2 Sample Name: C156858 2G:200 Operator: SLK
Run Time: 06/01/94 12:33:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0192	.1594	.0442	.2221	-.0006	8.977	.0076
SDev	.0058	.0076	.0309	.0031	.0001	.225	.0002
%RSD	30.08	4.735	69.93	1.391	11.20	2.503	2.466
#1	.0151	.1541	.0223	.2200	-.0006	8.818	.0077
#2	.0232	.1648	.0661	.2243	-.0005	9.136	.0074

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0328	.5632	2.502	.3738	3.918	.0322
SDev	.0060	.0051	.0065	.036	.0530	.063	.0021
%RSD	684.5	15.61	1.158	1.438	14.17	1.606	6.541
#1	-.0034	.0292	.5586	2.477	.4113	3.874	.0307
#2	.0051	.0364	.5678	2.528	.3364	3.963	.0337

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.700	.0270	.3034	.0067	-.0168	.0281	-.0147
SDev	.077	.0012	.0653	.0413	.0216	.0006	.0051
%RSD	2.844	4.281	21.51	615.8	128.5	2.276	34.83
#1	2.645	.0262	.2573	-.0225	-.0320	.0277	-.0183
#2	2.754	.0278	.3496	.0359	-.0015	.0286	-.0110

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0002	7.898
SDev	.0018	.102
%RSD	731.0	1.286
#1	-.0015	7.826
#2	.0010	7.969

Method: EMS2 Sample Name: C156861 2G:200 Operator: SLK
Run Time: 06/01/94 12:37:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0106	6.988	1.012	2.470	-.0004	38.48	.1376
SDev	.0003	.140	.015	.063	.0001	.88	.0021
%RSD	3.319	2.000	1.518	2.555	16.46	2.276	1.505

#1	.0103	6.890	1.001	2.425	-.0005	37.86	.1361
#2	.0108	7.087	1.023	2.514	-.0004	39.10	.1390

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0852	2.359	6.722	252.9	31.05	15.52	2.210
SDev	.0005	.051	.150	5.5	.50	.26	.048
%RSD	.5845	2.180	2.225	2.164	1.619	1.670	2.192
#1	.0848	2.323	6.616	249.1	30.70	15.34	2.175
#2	.0855	2.395	6.828	256.8	31.41	15.71	2.244

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1183.	.4921	31.06	.1775	-.0399	.1199	.0207
SDev	22.	.0139	.59	.0033	.0087	.0028	.0367
%RSD	1.867	2.821	1.904	1.864	21.83	2.363	177.4
#1	1168.	.4823	30.65	.1752	-.0460	.1179	-.0053
#2	1199.	.5019	31.48	.1798	-.0337	.1219	.0466

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0866	9.751
SDev	.0003	.184
%RSD	.3922	1.887
#1	.0864	9.621
#2	.0869	9.881

Method: EMS2 Sample Name: C156862 2G:200 Operator: SLK
Run Time: 06/01/94 12:41:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0190	.0570	.0416	.0969	-.0007	5.164	.0056
SDev	.0001	.0052	.0073	.0018	.0001	.007	.0001
%RSD	.6340	9.206	17.50	1.840	16.11	.1353	1.690
#1	.0189	.0532	.0365	.0981	-.0007	5.169	.0055
#2	.0191	.0607	.0468	.0956	-.0006	5.159	.0056

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.0670	.6622	3.670	.6437	3.976	.1419
SDev	.0005	.0006	.0046	.018	.1557	.011	.0014
%RSD	21.80	.9150	.6949	.4901	24.19	.2838	.9894
#1	.0019	.0675	.6655	3.682	.7538	3.984	.1429
#2	.0027	.0666	.6590	3.657	.5336	3.968	.1409

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.079	.0251	1.332	.0199	-.0043	.0083	-.0277

SDev	.046	.0019	.009	.0135	.0348	.0000	.0509
%RSD	4.309	7.685	.6416	67.52	802.9	.0000	183.8
#1	1.112	.0237	1.326	.0104	-.0290	.0083	.0083
#2	1.046	.0265	1.338	.0295	.0203	.0083	-.0637

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0001	5.995
SDev	.0013	.017
%RSD	2172.	.2778
#1	.0010	5.983
#2	-.0009	6.007

Method: EMS2 Sample Name: B126471 2G:200 Operator: SLK
Run Time: 06/01/94 12:46:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0221	.0854	.0236	.2378	-.0006	1.349	.0054
SDev	.0013	.0052	.0225	.0008	.0000	.022	.0007
%RSD	5.964	6.125	95.19	.3497	5.329	1.666	13.55
#1	.0212	.0817	.0077	.2384	-.0006	1.333	.0049
#2	.0231	.0891	.0395	.2373	-.0006	1.365	.0059

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0287	.5944	2.386	-.0994	.3570	.0084
SDev	.0003	.0035	.0015	.007	.0995	.0075	.0000
%RSD	69.95	12.13	.2581	.2732	100.1	2.105	.0020
#1	-.0005	.0262	.5955	2.381	-.0290	.3517	.0084
#2	-.0002	.0312	.5933	2.390	-.1697	.3624	.0084

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.0084	.3130	-.0313	-.0004	.0111	-.0188
SDev	.0099	.0039	.0068	.0054	.0040	.0003	.0075
%RSD	495.0	45.63	2.187	17.17	942.8	2.481	39.82
#1	.0090	.0057	.3178	-.0351	-.0032	.0109	-.0241
#2	-.0050	.0112	.3081	-.0275	.0024	.0112	-.0135

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0021	.9796
SDev	.0009	.0099
%RSD	43.13	1.009
#1	.0027	.9726
#2	.0014	.9866

Method: EMS2 Sample Name: C156914 2G:200 Operator: SLK
Run Time: 06/01/94 12:50:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0235	-.1519	.0378	.2033	-.0006	7.430	.0072
SDev	.0049	.0035	.0139	.0052	.0001	.237	.0000
%RSD	20.94	2.283	36.80	2.571	11.05	3.185	.0881
#1	.0200	-.1543	.0280	.1996	-.0006	7.263	.0072
#2	.0270	-.1494	.0476	.2070	-.0005	7.597	.0072

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0358	.5182	2.240	.3249	3.419	.0275
SDev	.0013	.0070	.0088	.057	.1178	.070	.0010
%RSD	70.97	19.45	1.702	2.566	36.27	2.061	3.827
#1	.0009	.0309	.5120	2.199	.4082	3.369	.0267
#2	.0027	.0407	.5245	2.281	.2416	3.469	.0282

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.619	.0281	.3146	.0317	.0164	.0266	-.0078
SDev	.068	.0031	.0526	.0342	.0111	.0006	.0196
%RSD	4.177	10.98	16.73	108.1	67.69	2.409	250.2
#1	1.571	.0259	.2774	.0075	.0085	.0261	.0060
#2	1.666	.0302	.3519	.0559	.0242	.0270	-.0217

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0054	7.266
SDev	.0016	.112
%RSD	29.61	1.544
#1	.0043	7.187
#2	.0065	7.345

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 12:54:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.043	4.715	5.246	5.218	5.059	4.989	5.202
SDev	.002	.005	.021	.024	.023	.002	.018
%RSD	.1843	.1110	.3970	.4622	.4524	.0303	.3371
#1	1.041	4.711	5.232	5.201	5.042	4.990	5.190
#2	1.044	4.719	5.261	5.235	5.075	4.988	5.215

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.232	5.305	5.313	5.171	5.304	5.144	5.216
SDev	.002	.016	.023	.011	.960	.023	.010
%RSD	.0336	.2969	.4259	.2192	18.10	.4567	.1884
#1	5.231	5.294	5.297	5.163	Q5.983	5.127	5.209
#2	5.233	5.316	5.329	5.179	4.625	5.161	5.223

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q3.582	5.191	5.287	1.023	5.156	5.313	5.255
SDev	.039	.001	.015	.064	.018	.024	.058
%RSD	1.101	.0185	.2911	6.290	.3570	.4508	1.102
#1	Q3.554	5.191	5.298	.9777	5.143	5.296	5.214
#2	Q3.610	5.192	5.276	1.069	5.169	5.330	5.296

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.166	5.060
SDev	.007	.029
%RSD	.1437	.5668
#1	5.161	5.040
#2	5.172	5.081

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 12:59:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0047	Q-.3929	Q-.0058	Q-.0013	Q-.0005	Q-.1861	Q-.0025
SDev	.0002	.0070	.0346	.0001	.0000	.0020	.0021
%RSD	5.145	1.777	599.4	9.428	7.269	1.074	83.51
#1	Q.0045	Q-.3879	Q.0187	Q-.0013	Q-.0005	Q-.1846	Q-.0010
#2	Q.0048	Q-.3978	Q-.0302	Q-.0012	Q-.0004	Q-.1875	Q-.0040

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0004	Q.0012	Q-.0003	Q-.0321	Q-.3111	Q-.0239	Q-.0030
SDev	.0018	.0025	.0019	.0014	.1330	.0103	.0007
%RSD	495.3	212.3	707.1	4.470	42.74	43.32	23.57
#1	Q.0016	Q.0029	Q-.0016	Q-.0311	Q-.2171	Q-.0166	Q-.0025
#2	Q-.0009	Q-.0006	Q.0011	Q-.0331	Q-.4052	Q-.0312	Q-.0035

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-1.819	Q.0003	Q.0277	Q.0093	Q.0063	Q-.0009	Q.0064
SDev	.012	.0023	.0260	.0442	.0016	.0002	.0108
%RSD	.6581	846.8	93.86	476.9	25.14	20.20	169.9

#1	Q-1.811	Q-.0014	Q.0460	Q.0406	Q.0052	Q-.0010	Q-.0013
#2	Q-1.828	Q.0019	Q.0093	Q-.0220	Q.0074	Q-.0008	Q.0140

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0011	Q-.0034
SDev	.0005	.0013
%RSD	44.06	38.40
#1	Q-.0015	Q-.0025
#2	Q-.0008	Q-.0043

Method: EMS2 Sample Name: C156727 2G:250 Operator: SLK
Run Time: 06/01/94 13:10:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0086	k12.87	k.3391	5.111	k.0001	184.0	k.2038
SDev	.0036	.05	.0343	.038	.0000	.2	.0006
%RSD	41.91	.3527	10.11	.7509	1.836	.1226	.2689
#1	k.0060	k12.84	k.3633	5.084	k.0001	184.2	k.2041
#2	k.0111	k12.90	k.3148	5.138	k.0001	183.9	k.2034

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.3879	k6.496	.7273	S-.0483	2.578	k50.19	k3.037
SDev	.0035	.000	.0015	.0000	.195	.28	.005
%RSD	.9055	.0063	.2109	.0028	7.549	.5512	.1732
#1	k.3904	k6.496	.7262	S-.0483	2.715	k49.99	k3.033
#2	k.3854	k6.496	.7284	S-.0483	2.440	k50.38	k3.041

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5941	k.2123	k154.4	k-3.788	-.0907	6.145	k.9448
SDev	.0486	.0004	.3	.037	.0081	.041	.0579
%RSD	8.179	.1821	.1871	.9857	8.948	.6711	6.133
#1	.5598	k.2120	k154.6	k-3.815	-.0964	6.115	k.9857
#2	.6285	k.2126	k154.2	k-3.762	-.0849	6.174	k.9038

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.0738	k29.32
SDev	.0009	.01
%RSD	1.235	.0421
#1	k.0745	k29.31
#2	k.0732	k29.33

Method: EMS2 Sample Name: B126410 2G:250 Operator: SLK

Run Time: 06/01/94 13:14:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k-.0615	k7.556	k-.3397	.0922	k-.0003	68.77	k-.0963
SDev	.0016	.023	.0454	.0008	.0000	.15	.0004
%RSD	2.532	.3006	13.35	.9024	11.26	.2236	.3874
#1	k-.0626	k7.572	k-.3718	.0928	k-.0003	68.88	k-.0960
#2	k-.0604	k7.540	k-.3076	.0916	k-.0003	68.67	k-.0966

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0548	k.4514	.5950	S1468.	19.45	k1.835	k3.100
SDev	.0015	.0031	.0031	.	.09	.019	.006
%RSD	2.747	.6814	.5157	.0047	.4501	1.029	.1925
#1	k.0537	k.4492	.5971	S1468.	19.52	k1.821	k3.104
#2	k.0558	k.4536	.5928	S1468.	19.39	k1.848	k3.096

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.827	k.2222	k.8108	k6.553	-.0677	.2013	k-1.431
SDev	.020	.0037	.0636	.002	.0283	.0005	.008
%RSD	1.118	1.647	7.842	.0369	41.78	.2271	.5652
#1	1.813	k.2196	k.7659	k6.555	-.0877	.2009	k-1.426
#2	1.842	k.2248	k.8558	k6.551	-.0477	.2016	k-1.437

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.1166	k.8425
SDev	.0002	.0048
%RSD	.1501	.5651
#1	k.1164	k.8391
#2	k.1167	k.8459

Method: EMS2 Sample Name: C156729 2G:250 Operator: SLK
Run Time: 06/01/94 13:18:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	6.139	.0316	4.931	-.0001	123.2	.3944
SDev	.0028	.019	.0351	.003	.0000	.1	.0025
%RSD	173.8	.3116	111.0	.0554	1.760	.1074	.6311
#1	-.0035	6.125	.0565	4.929	-.0001	123.3	.3961
#2	.0004	6.152	.0068	4.933	-.0001	123.1	.3926

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0356	.6307	1.869	247.7	.8180	46.88	1.770

SDev	.0010	.0027	.002	.2	.1578	.06	.001
%RSD	2.817	.4240	.1026	.0714	19.30	.1246	.0793
#1	.0363	.6288	1.868	247.6	.9296	46.84	1.769
#2	.0349	.6326	1.871	247.8	.7064	46.92	1.770

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.705	.3145	6.730	.2145	-.0400	.1756	.0884
SDev	.033	.0052	.045	.0266	.0144	.0004	.0370
%RSD	1.942	1.654	.6695	12.39	36.10	.2083	41.93
#1	1.681	.3182	6.699	.1957	-.0502	.1753	.0622
#2	1.728	.3108	6.762	.2333	-.0298	.1758	.1145

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0475	5.345
SDev	.0008	.005
%RSD	1.760	.1002
#1	.0470	5.349
#2	.0481	5.341

Method: EMS2 Sample Name: C156745 2G:250 Operator: SLK
Run Time: 06/01/94 13:22:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0072	k1.005	k.6391	.0717	k-.0005	15.70	k.1783
SDev	.0041	.010	.0474	.0006	.0000	.13	.0004
%RSD	56.42	.9845	7.411	.8290	.2096	.8013	.2061
#1	k.0043	k1.012	k.6726	.0721	k-.0005	15.79	k.1780
#2	k.0101	k.9976	k.6056	.0712	k-.0005	15.61	k.1786

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0381	k.8344	.6031	S-.0487	-.0497	k2.831	k4.007
SDev	.0013	.0006	.0077	.0000	.0919	.053	.044
%RSD	3.284	.0737	1.272	.0281	184.9	1.859	1.095
#1	k.0372	k.8339	.6085	S-.0487	.0153	k2.868	k4.038
#2	k.0390	k.8348	.5977	S-.0487	-.1147	k2.794	k3.976

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.257	k.6997	k.5498	k-6.269	-.1499	.0367	k1.873
SDev	.008	.0089	.0130	.120	.0103	.0004	.009
%RSD	.6161	1.266	2.361	1.913	6.866	.9959	.4798
#1	-1.252	k.6934	k.5590	k-6.354	-.1426	.0370	k1.880
#2	-1.263	k.7059	k.5406	k-6.184	-.1571	.0365	k1.867

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.0772	k.8027
SDev	.0006	.0061
%RSD	.7460	.7557
#1	k.0768	k.8070
#2	k.0776	k.7984

Method: EMS2 Sample Name: C156776 2G:250 Operator: SLK
Run Time: 06/01/94 13:27:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	12.01	-.0159	.8699	.0005	116.0	.0610
SDev	.0046	.01	.0115	.0014	.0000	.2	.0004
%RSD	188.8	.1022	72.40	.1639	7.356	.1752	.6287
#1	.0057	12.02	-.0078	.8709	.0005	115.8	.0613
#2	-.0008	12.00	-.0241	.8689	.0005	116.1	.0607

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0161	.1933	.5049	75.71	1.501	33.98	1.134
SDev	.0005	.0020	.0008	.15	.146	.04	.001
%RSD	3.119	1.052	.1519	.2009	9.726	.1302	.1237
#1	.0165	.1947	.5044	75.61	1.604	34.01	1.135
#2	.0158	.1918	.5055	75.82	1.397	33.95	1.133

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.809	.1030	.7997	.0404	-.0320	.2656	-.0481
SDev	.082	.0029	.0181	.0384	.0012	.0004	.0422
%RSD	1.055	2.808	2.262	95.18	3.705	.1377	87.81
#1	7.868	.1009	.7869	.0676	-.0329	.2658	-.0182
#2	7.751	.1050	.8125	.0132	-.0312	.2653	-.0779

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0353	5.751
SDev	.0008	.006
%RSD	2.368	.1048
#1	.0359	5.747
#2	.0347	5.755

Method: EMS2 Sample Name: C156777 2G:250 Operator: SLK
Run Time: 06/01/94 13:31:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0111	k18.50	k.4033	7.030	k.0015	192.8	k.3936
SDev	.0065	.09	.0209	.073	.0000	1.3	.0019
%RSD	58.17	.4937	5.177	1.045	2.176	.6784	.4874
#1	k.0066	k18.44	k.4180	6.978	k.0015	191.8	k.3950
#2	k.0157	k18.57	k.3885	7.082	k.0015	193.7	k.3923

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0547	k2.060	2.839	S-.0487	2.597	k66.73	k3.955
SDev	.0020	.006	.007	.0000	.111	.03	.024
%RSD	3.668	.2681	.2432	.0157	4.288	.0415	.5945
#1	k.0561	k2.056	2.844	S-.0487	2.676	k66.71	k3.939
#2	k.0533	k2.064	2.834	S-.0487	2.518	k66.75	k3.972

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.81	k.3906	k6.887	k-4.277	-.1063	.4165	k1.337
SDev	.05	.0015	.046	.027	.0374	.0034	.012
%RSD	.4299	.3942	.6614	.6365	35.17	.8121	.9151
#1	10.78	k.3917	k6.919	k-4.258	-.0799	.4141	k1.328
#2	10.85	k.3895	k6.854	k-4.296	-.1328	.4189	k1.345

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.0962	k9.171
SDev	.0010	.004
%RSD	1.055	.0480
#1	k.0955	k9.175
#2	k.0969	k9.168

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 13:35:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.030	4.719	5.264	5.244	5.056	4.883	5.131
SDev	.005	.006	.040	.013	.005	.011	.019
%RSD	.4893	.1234	.7617	.2402	.0981	.2249	.3665
#1	1.034	4.714	5.235	5.235	5.053	4.891	5.144
#2	1.027	4.723	5.292	5.252	5.060	4.875	5.118

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.166	5.242	5.344	5.125	4.673	5.123	5.158
SDev	.003	.003	.011	.015	.196	.022	.003
%RSD	.0487	.0665	.2009	.2848	4.187	.4222	.0544

#1	5.168	5.239	5.337	5.135	4.812	5.138	5.156
#2	5.164	5.244	5.352	5.115	4.535	5.107	5.160

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q3.594	5.136	5.136	.9995	5.094	5.341	5.188
SDev	.002	.027	.038	.0390	.008	.011	.012
%RSD	.0588	.5216	.7387	3.906	.1631	.2020	.2269
#1	Q3.596	5.117	5.163	.9719	5.088	5.334	5.179
#2	Q3.593	5.155	5.109	1.027	5.100	5.349	5.196

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.123	4.979
SDev	.003	.004
%RSD	.0564	.0775
#1	5.125	4.982
#2	5.121	4.977

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 13:39:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0065	Q-.2283	Q-.0052	Q-.0003	Q-.0003	Q-.1493	Q-.0031
SDev	.0023	.0023	.0028	.0002	.0002	.0050	.0009
%RSD	35.35	1.020	53.29	70.71	55.45	3.344	29.44
#1	Q.0081	Q-.2300	Q-.0032	Q-.0002	Q-.0002	Q-.1458	Q-.0025
#2	Q.0048	Q-.2267	Q-.0071	Q-.0005	Q-.0004	Q-.1529	Q-.0037

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0014	Q.0004	Q-.0011	Q-.0117	Q-.1399	Q-.0113	Q-.0027
SDev	.0003	.0014	.0008	.0063	.0984	.0075	.0004
%RSD	17.66	328.4	70.71	53.46	70.32	66.87	12.85
#1	Q.0016	Q-.0006	Q-.0005	Q-.0073	Q-.0703	Q-.0166	Q-.0030
#2	Q.0012	Q.0014	Q-.0016	Q-.0161	Q-.2095	Q-.0059	Q-.0025

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.9472	Q-.0038	Q.0343	Q.0388	Q.0111	Q-.0006	Q-.0196
SDev	.0085	.0000	.0109	.0009	.0075	.0003	.0089
%RSD	.8923	.0169	31.91	2.399	68.03	47.14	45.62
#1	Q-.9532	Q-.0038	Q.0420	Q.0382	Q.0164	Q-.0004	Q-.0259
#2	Q-.9412	Q-.0038	Q.0266	Q.0395	Q.0057	Q-.0008	Q-.0132

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0014	Q-.0013

SDev	.0009	.0014
%RSD	65.20	107.4
#1	Q-.0021	Q-.0003
#2	Q-.0008	Q-.0023

Method: EMS2 Sample Name: C156823 2G:250 Operator: SLK
Run Time: 06/01/94 13:43:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0025	50.05	.0131	.3641	.0026	157.6	.0064
SDev	.0001	.24	.0035	.0026	.0000	.3	.0012
%RSD	5.373	.4868	26.90	.7179	1.005	.1707	17.92
#1	-.0026	50.23	.0106	.3660	.0026	157.8	.0073
#2	-.0024	49.88	.0156	.3623	.0027	157.5	.0056

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0666	.1034	.1565	125.9	7.746	96.62	1.714
SDev	.0023	.0006	.0042	.3	.124	.41	.001
%RSD	3.387	.6221	2.696	.2120	1.605	.4214	.0814
#1	.0682	.1038	.1595	126.1	7.834	96.91	1.715
#2	.0651	.1029	.1535	125.8	7.658	96.34	1.713

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0139	.1832	.1145	.0840	-.0239	.1427	-.0365
SDev	.0000	.0023	.0393	.0067	.0040	.0010	.0314
%RSD	.0000	1.264	34.29	7.941	16.54	.7049	85.97
#1	-.0139	.1849	.0867	.0887	-.0211	.1434	-.0586
#2	-.0139	.1816	.1423	.0793	-.0267	.1420	-.0143

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.1265	.3544
SDev	.0040	.0034
%RSD	3.140	.9649
#1	.1237	.3520
#2	.1293	.3568

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 13:47:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.026	4.693	5.240	5.153	5.068	4.897	5.149

SDev	.000	.002	.028	.022	.005	.010	.012
%RSD	.0115	.0372	.5376	.4312	.0954	.2041	.2289
#1	1.026	4.691	5.220	5.137	5.064	4.904	5.157
#2	1.025	4.694	5.260	5.169	5.071	4.890	5.140

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.163	5.254	5.299	5.105	4.593	5.121	5.151
SDev	.000	.008	.022	.002	.132	.005	.000
%RSD	.0048	.1483	.4198	.0459	2.872	.0918	.0000
#1	5.163	5.260	5.283	5.103	4.686	5.125	5.151
#2	5.163	5.248	5.315	5.106	Q4.500	5.118	5.151

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q3.557	5.145	5.153	1.007	5.135	5.264	5.100
SDev	.027	.002	.014	.040	.013	.019	.051
%RSD	.7525	.0451	.2720	4.015	.2466	.3648	1.002
#1	Q3.538	5.147	5.163	.9780	5.126	5.250	5.063
#2	Q3.576	5.143	5.143	1.035	5.144	5.277	5.136

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.091	5.007
SDev	.008	.001
%RSD	.1638	.0291
#1	5.085	5.006
#2	5.097	5.008

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 13:51:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0032	Q-.2271	Q-.0017	Q-.0008	Q-.0004	Q-.1543	Q-.0027
SDev	.0083	.0227	.0172	.0008	.0000	.0040	.0015
%RSD	256.8	9.992	980.9	110.0	11.53	2.586	53.88
#1	Q-.0026	Q-.2431	Q-.0139	Q-.0013	Q-.0003	Q-.1571	Q-.0037
#2	Q.0091	Q-.2110	Q.0104	Q-.0002	Q-.0004	Q-.1515	Q-.0017

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0030	Q.0016	Q-.0019	Q-.0194	Q-.1858	Q-.0265	Q-.0017
SDev	.0015	.0039	.0042	.0001	.1157	.0216	.0011
%RSD	49.92	243.9	222.2	.6654	62.27	81.45	60.60
#1	Q.0020	Q-.0012	Q-.0049	Q-.0194	Q-.1040	Q-.0418	Q-.0025
#2	Q.0041	Q.0043	Q.0011	Q-.0193	Q-.2676	Q-.0113	Q-.0010

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.9636	Q-.0038	Q.0614	Q.0347	Q.0129	Q-.0005	Q-.0005
SDev	.0331	.0023	.0048	.0050	.0184	.0000	.0176
%RSD	3.435	60.69	7.767	14.55	143.0	.0000	3751.
#1	Q-.9871	Q-.0022	Q.0580	Q.0311	Q-.0001	Q-.0005	Q-.0129
#2	Q-.9402	Q-.0055	Q.0647	Q.0382	Q.0259	Q-.0005	Q.0120

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0006	Q-.0012
SDev	.0038	.0004
%RSD	598.0	29.08
#1	Q-.0033	Q-.0010
#2	Q.0021	Q-.0015

Method: EMS2 Sample Name: C156727 2G:1000 Operator: SLK
Run Time: 06/01/94 13:56:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	2.949	.0151	1.347	-.0002	47.37	.0337
SDev	.0038	.002	.0050	.010	.0001	.40	.0001
%RSD	369.7	.0659	33.11	.7500	30.14	.8380	.1875
#1	.0037	2.947	.0186	1.339	-.0002	47.09	.0336
#2	-.0016	2.950	.0116	1.354	-.0003	47.65	.0337

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1020	1.722	.1868	164.3	.4755	12.80	.7907
SDev	.0025	.010	.0019	1.0	.1103	.06	.0032
%RSD	2.462	.5990	1.026	.5841	23.19	.4557	.3993
#1	.1002	1.715	.1882	163.6	.5535	12.76	.7884
#2	.1038	1.729	.1855	164.9	.3975	12.84	.7929

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.062	.0572	40.36	.0336	-.0018	1.551	-.0221
SDev	.015	.0067	.37	.0061	.0059	.007	.0030
%RSD	1.459	11.80	.9116	18.14	326.4	.4716	13.65
#1	-1.051	.0619	40.10	.0293	.0024	1.546	-.0243
#2	-1.073	.0524	40.62	.0379	-.0060	1.556	-.0200

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0197	7.734
SDev	.0008	.037
%RSD	3.964	.4749

#1	.0191	7.708
#2	.0202	7.760

Method: EMS2 Sample Name: Q928471 2G:1000 Operator: SLK
Run Time: 06/01/94 14:00:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	2.281	-.0213	1.222	-.0002	28.39	.0255
SDev	.0002	.023	.0155	.011	.0003	.11	.0009
%RSD	23.03	1.012	72.67	.8948	208.2	.3922	3.354
#1	-.0011	2.264	-.0104	1.214	.0001	28.31	.0249
#2	-.0008	2.297	-.0323	1.229	-.0004	28.46	.0261

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1013	1.844	.1435	89.95	.1108	7.998	.8320
SDev	.0005	.005	.0019	.46	.1546	.064	.0039
%RSD	.4935	.2908	1.337	.5105	139.5	.8002	.4639
#1	.1016	1.840	.1421	89.62	.2202	7.952	.8293
#2	.1009	1.848	.1448	90.27	.0015	8.043	.8347

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.9084	.0271	41.98	.0348	-.0031	1.641	-.0655
SDev	.0254	.0069	.06	.0168	.0030	.012	.0028
%RSD	2.791	25.63	.1414	48.08	96.42	.7297	4.341
#1	-.9263	.0320	41.94	.0467	-.0010	1.633	-.0675
#2	-.8904	.0222	42.02	.0230	-.0052	1.650	-.0635

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0091	8.649
SDev	.0016	.028
%RSD	17.17	.3201
#1	.0102	8.629
#2	.0080	8.668

Method: EMS2 Sample Name: Q928472 2G:1000 Operator: SLK
Run Time: 06/01/94 14:03:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0417	2.753	.0615	.9472	.0436	50.07	.0745
SDev	.0018	.002	.0041	.0019	.0001	.09	.0012
%RSD	4.346	.0595	6.703	.2007	.1591	.1835	1.669

#1	.0430	2.752	.0586	.9485	.0436	50.01	.0736
#2	.0404	2.754	.0645	.9458	.0435	50.14	.0754

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1273	1.522	.2479	150.6	.9923	15.25	.7115
SDev	.0018	.004	.0038	.3	.0800	.04	.0000
%RSD	1.380	.2571	1.547	.1805	8.063	.2404	.0001
#1	.1261	1.519	.2451	150.4	1.049	15.28	.7115
#2	.1286	1.524	.2506	150.7	.9357	15.23	.7115

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.7973	.1270	34.40	.0632	-.0217	1.349	.0146
SDev	.0458	.0062	.03	.0071	.0024	.002	.0123
%RSD	5.742	4.855	.0916	11.22	10.95	.1762	84.09
#1	-.8297	.1314	34.42	.0582	-.0200	1.351	.0059
#2	-.7649	.1227	34.37	.0682	-.0234	1.348	.0233

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0593	7.138
SDev	.0003	.006
%RSD	.4406	.0866
#1	.0591	7.143
#2	.0595	7.134

Method: EMS2 Sample Name: Q928473 2G:1000 Operator: SLK
Run Time: 06/01/94 14:06:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0453	3.228	.0055	.8762	.0440	56.55	.0770
SDev	.0019	.015	.0070	.0092	.0004	.51	.0006
%RSD	4.084	.4547	127.0	1.044	.8548	.9068	.7679
#1	.0466	3.217	.0006	.8697	.0437	56.18	.0766
#2	.0440	3.238	.0105	.8827	.0443	56.91	.0774

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1396	2.076	.2167	123.1	.9342	17.73	.8022
SDev	.0050	.017	.0011	1.1	.1406	.16	.0070
%RSD	3.595	.8032	.5310	.9170	15.04	.9125	.8746
#1	.1360	2.064	.2159	122.3	1.034	17.61	.7973
#2	.1431	2.087	.2175	123.9	.8348	17.84	.8072

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.8347	.0986	40.78	.0300	-.0062	2.100	-.0016

SDev	.0239	.0033	.35	.0070	.0327	.023	.0205
%RSD	2.869	3.324	.8702	23.19	530.3	1.080	1314.
#1	-.8516	.1009	40.53	.0251	.0169	2.084	.0129
#2	-.8177	.0962	41.03	.0350	-.0292	2.116	-.0160

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0635	8.690
SDev	.0010	.082
%RSD	1.652	.9379
#1	.0628	8.632
#2	.0642	8.748

Method: EMS2 Sample Name: B126410 2G:1000 Operator: SLK
Run Time: 06/01/94 14:11:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0047	1.858	.0151	.0213	-.0005	17.79	.0039
SDev	.0060	.025	.0239	.0000	.0001	.11	.0019
%RSD	127.3	1.325	158.1	.0000	12.76	.6427	47.97
#1	-.0089	1.876	-.0018	.0213	-.0006	17.71	.0026
#2	-.0005	1.841	.0321	.0213	-.0005	17.87	.0052

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0133	.0959	.1497	127.7	4.752	.4053	.8101
SDev	.0040	.0047	.0008	.5	.032	.0076	.0049
%RSD	30.20	4.950	.5124	.3648	.6825	1.866	.6066
#1	.0105	.0925	.1491	127.3	4.775	.4000	.8066
#2	.0161	.0992	.1502	128.0	4.729	.4107	.8136

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.5493	.0596	.3008	.0407	-.0278	.0506	-.0007
SDev	.0317	.0029	.0577	.0690	.0162	.0002	.0042
%RSD	5.770	4.850	19.17	169.6	58.27	.3617	5[illegible]
#1	-.5717	.0576	.2600	-.0081	-.0393	.0504	.0022
#2	-.5269	.0617	.3416	.0895	-.0164	.0507	-.0037

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0286	.2431
SDev	.0002	.0013
%RSD	.8112	.5525
#1	.0288	.2421
#2	.0285	.2440

Method: EMS2 Sample Name: C156745 2G:1000 Operator: SLK
Run Time: 06/01/94 14:15:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0085	-.0557	.0405	.0178	-.0005	4.080	.0092
SDev	.0057	.0042	.0075	.0005	.0000	.002	.0002
%RSD	66.87	7.566	18.44	2.668	5.695	.0367	2.472
#1	-.0125	-.0527	.0352	.0175	-.0006	4.081	.0091
#2	-.0045	-.0587	.0457	.0181	-.0005	4.079	.0094

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0106	.2446	.1562	276.7	-.1537	.7892	1.062
SDev	.0043	.0007	.0008	1.1	.0984	.0026	.002
%RSD	40.26	.2958	.4910	.3984	64.03	.3320	.1983
#1	.0076	.2441	.1557	277.5	-.0841	.7874	1.064
#2	.0136	.2451	.1567	275.9	-.2232	.7911	1.061

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.298	.1905	.1100	.1348	-.0257	.0091	.0762
SDev	.015	.0037	.0119	.0746	.0121	.0004	.0092
%RSD	1.139	1.922	10.83	55.31	46.88	4.041	12.01
#1	-1.309	.1879	.1016	.0821	-.0343	.0088	[illegible]
#2	-1.288	.1930	.1184	.1876	-.0172	.0093	.0697

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0197	.1906
SDev	.0016	.0003
%RSD	8.010	.1415
#1	.0186	.1908
#2	.0208	.1904

Method: EMS2 Sample Name: C156777 2G:1000 Operator: SLK
Run Time: 06/01/94 14:20:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0081	4.454	.0082	1.837	-.0001	50.51	.0781
SDev	.0022	.023	.0056	.023	.0000	.32	.0015
%RSD	27.30	.5228	68.21	1.229	5.502	.6287	1.880
#1	-.0097	4.437	.0122	1.821	-.0000	50.28	.0771
#2	-.0066	4.470	.0043	1.853	-.0001	50.73	.0792

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0140	.5693	.7333	193.5	.4724	17.21	1.049
SDev	.0010	.0046	.0084	1.4	.2270	.14	.009
%RSD	7.178	.8115	1.151	.7370	48.06	.7986	.8697
#1	.0147	.5661	.7273	192.5	.6330	17.11	1.042
#2	.0133	.5726	.7392	194.5	.3119	17.31	1.055

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.672	.1016	1.808	.0922	-.0476	.1085	.0464
SDev	.042	.0017	.003	.0113	.0069	.0008	.0378
%RSD	2.527	1.707	.1490	12.28	14.56	.7581	81.33
#1	1.642	.1004	1.806	.1002	-.0525	.1080	.0197
#2	1.702	.1028	1.810	.0842	-.0427	.1091	.0731

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0259	2.405
SDev	.0014	.019
%RSD	5.502	.7726
#1	.0249	2.392
#2	.0269	2.419

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 14:24:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.022	4.671	5.213	5.085	5.010	4.897	5.142
SDev	.007	.013	.069	.018	.006	.010	.008
%RSD	.6577	.2740	1.314	.3482	.1191	.2041	.1493
#1	1.017	4.680	5.164	5.097	5.014	4.890	5.137
#2	1.026	4.662	5.261	5.072	5.006	4.904	5.148

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.145	5.226	5.239	5.090	4.555	5.068	5.121
SDev	.006	.010	.004	.001	.094	.018	.003
%RSD	.1218	.1883	.0732	.0204	2.065	.3526	.0548
#1	5.140	5.219	5.241	5.091	4.622	5.081	5.1[illegible]
#2	5.149	5.233	5.236	5.090	Q4.489	5.056	5.123

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q3.501	5.115	5.059	.9566	5.099	5.200	5.072
SDev	.030	.015	.014	.0430	.030	.015	.009
%RSD	.8449	.2978	.2773	4.495	.5938	.2813	.1812

#1	Q3.480	5.104	5.049	.9262	5.077	5.210	5.066
#2	Q3.522	5.125	5.069	.9870	5.120	5.190	5.079

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.046	4.961
SDev	.009	.012
%RSD	.1733	.2407
#1	5.053	4.953
#2	5.040	4.970

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 14:29:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0048	Q-.2164	Q.0040	Q-.0005	Q-.0003	Q-.1483	Q.0018
SDev	.0077	.0122	.0030	.0005	.0000	.0035	.0016
%RSD	158.8	5.646	73.97	94.28	13.10	2.357	90.80
#1	Q.0103	Q-.2077	Q.0061	Q-.0002	Q-.0002	Q-.1458	Q.0030
#2	Q-.0006	Q-.2250	Q.0019	Q-.0008	Q-.0003	Q-.1507	Q.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0011	Q-.0014	Q-.0024	Q-.0120	Q-.2003	Q-.0152	Q-.0025
SDev	.0008	.0053	.0027	.0033	.1881	.0075	.0000
%RSD	70.92	368.3	110.0	27.20	93.92	49.34	.0069
#1	Q-.0005	Q.0023	Q-.0005	Q-.0097	Q-.0673	Q-.0099	Q-.0025
#2	Q-.0016	Q-.0052	Q-.0043	Q-.0143	Q-.3333	Q-.0206	Q-.0025

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.9507	Q-.0044	Q.0447	Q.0332	Q-.0088	Q-.0005	Q-.0288
SDev	.0176	.0050	.0161	.0452	.0032	.0003	.0422
%RSD	1.852	114.9	35.99	135.9	35.92	60.61	146.4
#1	Q-.9382	Q-.0079	Q.0333	Q.0013	Q-.0111	Q-.0003	Q-.0587
#2	Q-.9631	Q-.0008	Q.0560	Q.0652	Q-.0066	Q-.0006	Q.0010

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q-.0020	Q-.0016
SDev	.0001	.0002
%RSD	3.278	13.65
#1	Q-.0020	Q-.0018
#2	Q-.0019	Q-.0015

Method: EMS2 Sample Name: Q930658 LCS-R Operator: SLK

Run Time: 06/01/94 14:39:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9529	.6929	.7938	.9675	.7591	.5524	.8040
SDev	.0007	.0035	.0151	.0000	.0005	.0015	.0002
%RSD	.0758	.5037	1.900	.0000	.0660	.2730	.0227
#1	.9524	.6904	.7831	.9675	.7587	.5535	.8042
#2	.9534	.6953	.8045	.9675	.7594	.5513	.8039

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8113	.8378	.8331	.7784	8.655	.7970	.8001
SDev	.0025	.0057	.0015	.0013	.138	.0075	.0035
%RSD	.3091	.6825	.1841	.1670	1.599	.9458	.4387
#1	.8096	.8338	.8320	.7774	8.753	.8023	.7977
#2	.8131	.8419	.8341	.7793	8.557	.7917	.8026

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.4343	.8057	.8417	.8341	.8107	-.0003	.8802
SDev	.0113	.0025	.0188	.0500	.0263	.0000	[illegible]
%RSD	2.595	.3102	2.234	5.992	3.246	.0000	4.422
#1	-.4263	.8040	.8550	.8695	.7921	-.0003	.8527
#2	-.4422	.8075	.8284	.7988	.8293	-.0003	.9077

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.7975	.7743
SDev	.0076	.0044
%RSD	.9577	.5732
#1	.7921	.7774
#2	.8029	.7711

Method: EMS2 Sample Name: Q930659 BLA02-R Operator: SLK
Run Time: 06/01/94 14:44:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	-.2822	-.0264	-.0001	-.0000	-.1486	-.0029
SDev	.0010	.0087	.0028	.0001	.0008	.0010	.0017
%RSD	11.20	3.092	10.56	141.4	3811.	.6715	59.68
#1	.0079	-.2760	-.0283	-.0002	.0005	-.1479	[illegible]
#2	.0093	-.2884	-.0244	-.0000	-.0006	-.1493	-.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0027	-.0012	.0033	-.0112	-.1842	.0001	-.0027

SDev	.0010	.0008	.0000	.0004	.1503	.0103	.0004
%RSD	37.79	70.79	.0000	3.480	81.57	17980.	12.85
#1	-.0019	-.0006	.0033	-.0115	-.0780	.0074	-.0025
#2	-.0034	-.0017	.0033	-.0110	-.2905	-.0073	-.0030

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.345	-.0031	.0015	-.0126	.0063	-.0009	-.0061
SDev	.007	.0060	.0103	.0143	.0063	.0002	.0251
%RSD	.5238	190.7	701.6	113.6	100.6	20.20	410.3
#1	-1.350	-.0074	-.0058	-.0025	.0108	-.0010	.0116
#2	-1.340	.0011	.0087	-.0226	.0018	-.0008	-.0[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0018	.0040
SDev	.0003	.0006
%RSD	18.36	13.84
#1	-.0016	.0036
#2	-.0021	.0044

Method: EMS2 Sample Name: C156660 Operator: SLK
Run Time: 06/01/94 14:47:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0065	.3537	-.0217	.0518	-.0006	17.52	-.0003
SDev	.0014	.0145	.0116	.0000	.0000	.03	.0011
%RSD	22.20	4.110	53.76	.0000	.0866	.1966	332.5
#1	.0075	.3639	-.0299	.0518	-.0006	17.55	-.0011
#2	.0055	.3434	-.0134	.0518	-.0006	17.50	.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.1525	.0171	8.570	5.593	8.067	.6925
SDev	.0028	.0022	.0004	.020	.145	.036	.0003
%RSD	2949.	1.477	2.245	.2388	2.590	.4429	.0506
#1	-.0020	.1541	.0168	8.584	5.695	8.092	.6928
#2	.0019	.1509	.0174	8.555	5.490	8.042	.6923

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	205.3	.3403	.1341	.0219	-.0192	.0972	-.0071
SDev	.9	.0006	.0499	.0354	.0075	.0000	.0122
%RSD	.4457	.1698	37.22	161.3	39.23	.0000	170.7
#1	205.9	.3407	.0988	-.0031	-.0139	.0972	.0015
#2	204.6	.3399	.1695	.0470	-.0245	.0972	-.0157

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0008	.9411
SDev	.0003	.0009
%RSD	31.19	.0986
#1	-.0006	.9418
#2	-.0010	.9405

Method: EMS2 Sample Name: Q930660 DUP02 Operator: SLK
Run Time: 06/01/94 14:51:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	.3150	-.0023	.0470	-.0006	17.43	-.0004
SDev	.0037	.0017	.0149	.0009	.0000	.09	.0002
%RSD	45.03	.5455	649.7	2.020	.7465	.5386	42.35
#1	.0109	.3138	.0082	.0464	-.0006	17.36	-.0003
#2	.0056	.3162	-.0128	.0477	-.0006	17.49	-.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.1505	.0304	8.478	5.629	8.051	.6878
SDev	.0030	.0043	.0015	.067	.107	.106	.0035
%RSD	261.9	2.862	5.051	.7948	1.901	1.320	.5100
#1	.0033	.1474	.0293	8.430	5.704	7.976	.6853
#2	-.0010	.1535	.0315	8.525	5.553	8.127	.6903

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	203.5	.3351	.1555	.0227	-.0020	.0957	.0084
SDev	1.5	.0029	.0479	.0217	.0204	.0007	.0238
%RSD	.7408	.8631	30.79	95.63	1040.	.7644	282.3
#1	202.4	.3331	.1893	.0380	-.0164	.0952	.0252
#2	204.5	.3372	.1216	.0073	.0125	.0962	-.0084

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0012	.9511
SDev	.0022	.0070
%RSD	191.0	.7320
#1	.0027	.9462
#2	-.0004	.9561

Method: EMS2 Sample Name: Q930661 SPI02W-R Operator: SLK
Run Time: 06/01/94 14:54:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9084	1.519	.8227	1.054	.7892	18.46	.8262
SDev	.0046	.016	.0047	.009	.0020	.17	.0026
%RSD	.5020	1.071	.5780	.8455	.2554	.9031	.3091
#1	.9052	1.507	.8261	1.048	.7878	18.35	.8244
#2	.9116	1.530	.8194	1.060	.7906	18.58	.8280

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8394	1.012	.8900	9.529	15.41	9.084	1.534
SDev	.0033	.001	.0061	.057	.09	.002	.008
%RSD	.3881	.1409	.6894	.5990	.5753	.0214	.5035
#1	.8371	1.011	.8857	9.489	15.47	9.085	1.528
#2	.8417	1.013	.8943	9.570	15.35	9.082	1.539

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	211.4	1.170	.9561	.8600	.8363	.0988	.8659
SDev	.2	.013	.0561	.0457	.0091	.0007	.0147
%RSD	.0796	1.070	5.867	5.320	1.088	.7404	1.695
#1	211.5	1.162	.9957	.8923	.8299	.0983	.8555
#2	211.3	1.179	.9164	.8276	.8428	.0993	.8763

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.8373	1.748
SDev	.0070	.002
%RSD	.8315	.1357
#1	.8323	1.747
#2	.8422	1.750

Method: EMS2 Sample Name: Q930662 DPS02W-R Operator: SLK
Run Time: 06/01/94 14:57:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9554	1.425	.7678	1.042	.7672	18.26	.7977
SDev	.0084	.004	.0021	.006	.0046	.11	.0056
%RSD	.8793	.2465	.2699	.5361	.5998	.6071	.6980
#1	.9495	1.427	.7664	1.038	.7640	18.18	.7938
#2	.9613	1.422	.7693	1.046	.7705	18.34	.8016

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8089	.9840	.8564	9.426	15.20	8.935	1.[illegible]8
SDev	.0013	.0092	.0023	.054	.08	.028	.008
%RSD	.1546	.9360	.2687	.5779	.5407	.3153	.5155

#1	.8081	.9775	.8548	9.388	15.25	8.915	1.492
#2	.8098	.9905	.8580	9.465	15.14	8.955	1.503

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	207.9	1.127	.8471	.8130	.8163	.0967	.8427
SDev	1.1	.012	.0031	.0344	.0065	.0007	.0403
%RSD	.5333	1.060	.3623	4.233	.7999	.7563	4.779
#1	207.1	1.118	.8450	.8373	.8117	.0962	.8142
#2	208.7	1.135	.8493	.7886	.8209	.0972	.8712

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.8050	1.717
SDev	.0029	.006
%RSD	.3639	.3289
#1	.8029	1.713
#2	.8071	1.721

Method: EMS2 Sample Name: C156651 Operator: SLK
Run Time: 06/01/94 15:02:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0041	-.0363	-.0139	.0038	-.0006	12.27	-.0030
SDev	.0062	.0006	.0015	.0004	.0000	.04	.0001
%RSD	150.7	1.601	10.83	9.428	5.097	.3092	2.983
#1	.0086	-.0359	-.0149	.0040	-.0006	12.30	-.0030
#2	-.0003	-.0368	-.0128	.0035	-.0006	12.25	-.0031

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	.0304	.0049	.3565	5.343	9.098	.1552
SDev	.0020	.0008	.0008	.0005	.133	.066	.0000
%RSD	60.49	2.682	15.71	.1461	2.489	.7235	.0010
#1	.0019	.0298	.0043	.3562	5.437	9.145	.1552
#2	.0047	.0310	.0054	.3569	5.249	9.052	.1552

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	146.3	.1979	.0481	.0095	.0092	.0464	-.0117
SDev	.7	.0039	.0691	.0246	.0026	.0002	.0012
%RSD	.4659	1.947	143.6	258.4	27.86	.3939	9.926
#1	146.8	.1951	-.0007	.0269	.0111	.0463	-.0126
#2	145.8	.2006	.0969	-.0079	.0074	.0465	-.0109

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0002	.0883

SDev	.0017	.0004
%RSD	749.0	.4150
#1	-.0015	.0886
#2	.0010	.0881

Method: EMS2 Sample Name: C156662 Operator: SLK
Run Time: 06/01/94 15:06:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0112	-.0997	-.0091	.0592	-.0006	44.37	.0044
SDev	.0023	.0017	.0025	.0008	.0000	.52	.0010
%RSD	20.40	1.733	27.20	1.404	5.978	1.161	23.08
#1	.0096	-.1009	-.0074	.0586	-.0006	44.00	.0051
#2	.0128	-.0985	-.0109	.0598	-.0005	44.73	.0037

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	.0530	.0157	4.469	8.428	16.33	.6543
SDev	.0015	.0029	.0008	.044	.046	.09	.0049
%RSD	73.86	5.408	4.877	.9916	.5516	.5229	.7507
#1	-.0031	.0510	.0152	4.437	8.461	16.27	.6509
#2	-.0010	.0551	.0163	4.500	8.395	16.39	.6578

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	235.7	.2966	.0539	-.0062	-.0046	.3006	.0112
SDev	.5	.0139	.0034	.0222	.0150	.0024	.0276
%RSD	.1987	4.678	6.326	359.0	325.7	.7907	245.8
#1	235.3	.2868	.0515	.0095	-.0153	.2989	-.0083
#2	236.0	.3064	.0563	-.0219	.0060	.3023	.0308

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0004	.6086
SDev	.0005	.0058
%RSD	130.3	.9464
#1	-.0007	.6046
#2	-.0000	.6127

Method: EMS2 Sample Name: C156663 Operator: SLK
Run Time: 06/01/94 15:10:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0059	-.0056	-.0406	.0219	-.0006	25.13	.0000

SDev	.0016	.0017	.0243	.0004	.0001	.11	.0016
%RSD	26.25	31.25	60.02	1.626	11.06	.4331	3212.
#1	.0070	-.0068	-.0233	.0217	-.0006	25.06	.0011
#2	.0048	-.0043	-.0578	.0222	-.0005	25.21	-.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.0450	.0084	3.651	7.159	10.79	.3946
SDev	.0015	.0018	.0011	.012	.152	.01	.0003
%RSD	160.1	4.086	13.69	.3284	2.129	.0875	.0889
#1	-.0020	.0437	.0076	3.643	7.267	10.80	.3949
#2	.0001	.0463	.0092	3.660	7.051	10.79	.3944

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	198.6	.1983	.0073	-.0181	-.0122	.1654	.0142
SDev	.4	.0060	.0195	.0015	.0103	.0001	[illegible]
%RSD	.2046	3.013	265.6	8.117	84.53	.0553	[illegible]
#1	198.9	.2025	-.0064	-.0191	-.0194	.1654	.0164
#2	198.3	.1941	.0211	-.0171	-.0049	.1655	.0120

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0016	.3945
SDev	.0023	.0014
%RSD	143.6	.3494
#1	-.0033	.3954
#2	.0000	.3935

Method: EMS2 Sample Name: C156507 25:100 1:10 Operator: SLK
Run Time: 06/01/94 15:15:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0049	.5703	.0468	.0823	.0018	10.64	.0042
SDev	.0009	.0009	.0006	.0005	.0001	.05	.0026
%RSD	17.93	.1543	1.271	.5772	3.652	.4316	62.97
#1	-.0042	.5697	.0464	.0820	.0018	10.61	.0061
#2	-.0055	.5710	.0472	.0827	.0019	10.68	[illegible]

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	.0129	.0092	118.2	6.660	8.341	.2468
SDev	.0025	.0011	.0000	.7	.136	.059	.0010
%RSD	94.47	8.353	.0000	.6011	2.045	.7117	.4262
#1	.0009	.0122	.0092	117.7	6.756	8.299	.2460

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	77.34	.0203	.0479	.0185	.0066	.0754	.0439
SDev	.69	.0006	.0118	.0173	.0309	.0007	.0135
%RSD	.8879	2.842	24.66	93.44	469.4	.9703	30.75
#1	76.85	.0199	.0562	.0308	.0284	.0749	[illegible]
#2	77.82	.0207	.0395	.0063	-.0153	.0759	[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0048	.2852
SDev	.0008	.0054
%RSD	17.27	1.896
#1	.0042	.2814
#2	.0054	.2890

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/01/94 15:19:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.023	4.966	5.235	5.278	5.035	4.905	5.110
SDev	.002	.032	.001	.045	.038	.005	.006
%RSD	.1884	.6441	.0122	.8442	.7582	[illegible]	
#1	1.024	4.988	5.236	5.309	5.062	4.901	5.106
#2	1.022	4.943	5.235	5.246	5.008	4.909	5.115

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	[illegible]
Avge	5.142	5.237	5.374	5.151	4.727	5.103	5.135
SDev	.010	.012	.044	.029	.159	.048	.019
%RSD	.1999	.2296	.8207	.5639	3.362	.9392	.3759
#1	5.149	5.246	5.405	5.172	4.839	5.137	5.149
#2	5.135	5.229	5.343	5.130	4.614	5.069	5.121

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q4.332	5.099	5.009	1.003	5.125	5.371	5.149
SDev	.080	.032	.012	.001	.013	.042	.038
%RSD	1.837	.6269	.2393	.0600	.2510	.7881	.7308
#1	Q4.388	5.121	5.000	1.003	5.134	5.401	5.176
#2	Q4.276	5.076	5.017	1.003	5.116	5.341	5.123

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.101	4.904
SDev	.033	.006
%RSD	.6470	.1230

#1	5.124	4.908
#2	5.077	4.900

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/01/94 15:23:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0065	Q-.3649	Q-.0092	Q-.0009	Q-.0003	Q-.1843	Q-.0009
SDev	.0076	.0175	.0235	.0004	.0001	.0055	.0009
%RSD	117.2	4.783	256.3	38.57	32.23	2.980	101.3
#1	Q.0011	Q-.3772	Q.0074	Q-.0007	Q-.0002	Q-.1882	Q-.0003
#2	Q.0118	Q-.3525	Q-.0258	Q-.0012	Q-.0004	Q-.1804	Q-.0015

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0018	Q-.0016	Q.0014	Q-.0299	Q-.2485	Q-.0059	Q-.0027
SDev	.0033	.0002	.0004	.0012	.1849	.0000	.0018
%RSD	183.7	12.85	28.28	3.930	74.41	.0345	64.29
#1	Q.0041	Q-.0017	Q.0016	Q-.0290	Q-.1177	Q-.0059	Q-.0040
#2	Q-.0005	Q-.0015	Q.0011	Q-.0307	Q-.3792	Q-.0059	Q- 0015

Elem	Na5889	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-1.681	Q-.0060	Q.0567	Q.0136	Q.0355	Q-.0005	Q-.0197
SDev	.033	.0015	.0274	.0105	.0030	.0003	.0045
%RSD	1.969	25.70	48.30	76.87	8.352	60.61	22.59
#1	Q-1.704	Q-.0049	Q.0760	Q.0210	Q.0376	Q-.0003	Q-.01[illegible]
#2	Q-1.657	Q-.0071	Q.0373	Q.0062	Q.0334	Q-.0006	Q-.[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0010	Q-.0029
SDev	.0003	.0017
%RSD	33.37	60.82
#1	Q.0012	Q-.0016
#2	Q.0008	Q-.0041

Method: EMS2 Sample Name: ICS-R Operator: SLK
Run Time: 06/01/94 [illegible]
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.022	489.4	-.0042	.5161	.4657	425.3	.9602
SDev	.003	1.9	.0147	.0013	.0018	.0	.0009
%RSD	.3394	.3889	353.1	.2532	.3931	.0100	.0920

#1	1.025	490.7	.0062	.5170	.4670	425.4	.9608
#2	1.020	488.1	-.0146	.5152	.4644	425.3	.9596

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4750	.4999	.5288	183.8	-.1185	522.4	.4857
SDev	.0005	.0006	.0008	.2	.0832	2.8	.0004
%RSD	.1057	.1173	.1451	.1334	70.25	.5383	.0855
#1	.4746	.4995	.5283	184.0	-.0596	524.4	.4854
#2	.4753	.5003	.5293	183.7	-.1774	520.4	.4860

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0149	.9553	.9248	.0883	-.0521	.0147	.1210
SDev	.0084	.0006	.0619	.0125	.0287	.0001	.0233
%RSD	56.57	.0608	6.696	14.20	55.12	.6230	19.30
#1	.0090	.9557	.8810	.0795	-.0723	.0146	.1375
#2	.0209	.9549	.9686	.0972	-.0318	.0147	.1045

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4887	1.0000
SDev	.0041	.00277
%RSD	.8477	.2773
#1	.4858	1.002
#2	.4916	.9980

Method: EMS2 Sample Name: INTA Operator: SLK
Run Time: 06/01/94 15:31:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0067	485.9	.0692	.0030	-.0005	420.6	.0133
SDev	.0032	3.0	.0140	.0002	.0001	1.4	.0005
%RSD	47.18	.6253	20.25	7.857	13.08	.3275	3.524
#1	-.0045	483.7	.0593	.0032	-.0005	419.6	.0136
#2	-.0089	488.0	.0791	.0029	-.0005	421.6	.0130

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.0017	-.0014	182.7	-.0352	519.7	.0045
SDev	.0015	.0044	.0004	.8	.1081	3.3	.0006
%RSD	169.5	256.4	28.28	.4606	307.4	.6425	[illegible]
#1	-.0020	.0049	-.0011	182.1	.0413	517.4	.0041
#2	.0002	-.0014	-.0016	183.3	-.1116	522.1	.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6061	.0052	-.0122	.0792	-.0490	.0143	.0666

SDev	.0514	.0015	.0381	.0265	.0247	.0001	.0220
%RSD	8.483	29.78	313.8	33.29	50.51	.6399	33.02
#1	.5697	.0063	.0148	.0979	-.0665	.0144	.0510
#2	.6424	.0041	-.0391	.0605	-.0315	.0142	.0821

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0072	.0498
SDev	.0017	.0009
%RSD	23.18	1.738
#1	.0084	.0492
#2	.0060	.0504

Method: EMS2 Sample Name: CDL01-R Operator: SLK
Run Time: 06/01/94 15:43:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0422	Q.3073	Q.1368	Q.0448	.0198	.1422	.0173
SDev	.0065	.0035	.0094	.0004	.0000	.0020	.0028
%RSD	15.35	1.136	6.889	.7960	.0091	1.408	16.39
#1	.0376	Q.3097	Q.1302	Q.0445	.0198	.1434	.0193
#2	.0468	Q.3048	Q.1435	Q.0450	.0198	.1406	[illegible]

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2142	.0402	.1166	Q.0752	Q.6422	.1280	.0596
SDev	.0028	.0021	.0100	.0003	.2314	.0038	.0021
%RSD	1.288	5.090	8.551	.3478	36.03	2.940	3.536
#1	.2162	.0387	.1096	Q.0754	Q.8057	.1307	.0581
#2	.2123	.0416	.1237	Q.0750	Q.4786	.1251	.0611

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.9885	.1676	.1301	.2383	Q.1159	-.0008	Q.1567
SDev	.0092	.0014	.0506	.0505	.0291	.0000	.0319
%RSD	.9262	.8052	38.90	21.20	25.11	[illegible]	
#1	Q.9821	.1685	Q.1658	.2740	Q.0953	-.0008	Q.1342
#2	Q.9950	.1666	.0943	.2026	Q.1364	-.0008	Q.1793

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.2095	.0829
SDev	.0009	.0009
%RSD	.4380	1.095
#1	.2089	.0823
#2	.2102	.0836

ANALYSIS RUN: R218157

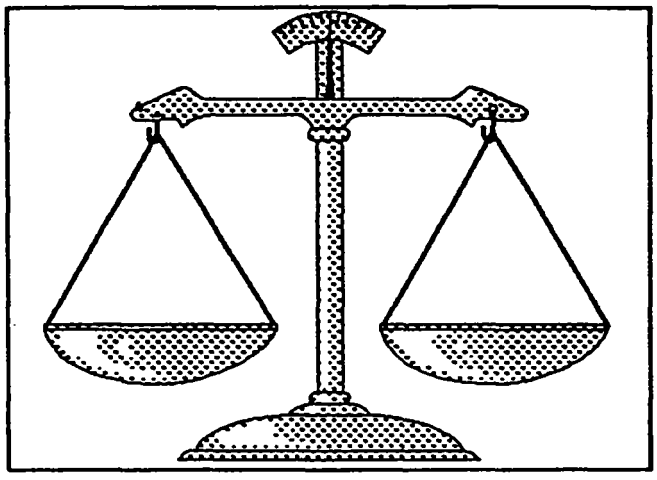
RUN NUMBER: 10010

TEST: AS 134

ANALYST: Un 2520

DATE: 5 / 24 / 94

INSTRUMENT: #22



Reprep_____(complete)

Reprep_____(incomplete)

COMMENTS: _____

91CK1072.R6

000304

PAGE 1 OF 4 **METALS, GFAA** RUN: R218157

ANALYST: Jn 2520 REVIEWER: Cls RECORDER: DJC

DATE: 5/24/94 DATE: 5/24/94 DATE: 5/24/94

INSTRUMENT: #22 ELEMENT: As 136 WAVELENGTH: 193.7

CAL. CURVE.:	0	0.005	0.010	0.020	0.040	mg/l
RESPONSE:	0.001	0.027	0.054	0.107	0.214	

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: 1.000 SLOPE: 0.1x8 Y INTERCEPT: 0.0001

SAMPLE:	ICV01	Blao1	CDL	Blao2 C156530	DL PC2	CCV
TYPE:	#0502a4C		#0502a4F	Q925019	C156530 Q925020	
...E VALUE:	0.02		0.02		0.215	0.02
RESULT:	0.0205	BDL	0.0209	BDL	0.194	0.0212
UNITS:	mg/l			mg/l	mg/l	mg/l
DET. LIMIT:	0.010			0.010	0.100	0.010
% RECOVERY:	103%		105%		10% rpd	106%
WT/VOL:				50	50	
FINAL VOL:				50	50	
DILUTE:					1:10	
SAMABS:	0.110	0.000	0.112	0.002	0.104	0.114
AD1ABS:				0.051	0.151	
AD2ABS:						
AD3ABS:						
COMMENT:						

000305

PAGE 2 OF 4 **METALS** RUN #

INSTRUMENT: #22 WAVELENGTH: TEST:

ANALYST: In 2520 REVIEWER: RECORDER:

DATE: 5/24/94 DATE: / / DATE: / /

CALIBRATION:

RESPONSE:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	C156530				
TYPE:	M7036				
SAMPLE RESULT:	0.215				
CORRECTED RESULT:	In 5-24-94 ~~0.215~~				
M.S. TRUE VALUE:	0.10				
SAMPLE + M.S.:	0.215 / 0.341				
MS % REC.:	126 %				
ADD 1:	0.01				
SAMPLE:	0.115				
SAMPLE + ADD 1:	0.0311				
DILUTION:	1:10				
DET. LIMIT:	0.100				
UNITS:	mg/l				
WT./VOL.:	50				
FINAL VOL.:	50				
COMMENTS:					

PAGE 3 OF 4

METALS, GFAA

RUN:

ANALYST: Jn 2520 REVIEWER: RECORDER:

DATE: 5/24/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: As 136 WAVELENGTH: 193.7

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	Blac1	C156691	C156712	C156714	C156178	DUPC1 C156178
TYPE:		M603.6	M603.6	M603.6	M403.2	
TRUE VALUE:		BDL 0.01	BDL 0.01	BDL 0.01		0.163
RESULT:	BDL	(0.0015) BDL 0.0117	(0.0018) BDL 0.0109	(0.0017) BDL 0.0106	0.163	0.160
UNITS:	mg/L	mg/L	mg/L	mg/L	mg/L →	
DET. LIMIT:	0.010	* 0.25	* 0.005	0.005	0.25	0.25
% RECOVERY:		102%	90%	88%		2% rpd
WT/VOL:		50	50	50		
FINAL VOL:		50	50	50		
DILUTE:		1:25	1	1	1:25	1:25
SAMABS:	0.001	0.008	0.010	0.009	0.070	0.069
AD1ABS:		0.063	0.058	0.057	0.123	0.121
AD2ABS:						
AD3ABS:						
COMMENT:		*dil due ~~to high~~ Background in sample	*CIP DL.		APG 2x (0.325)	0.319

PAGE 4 OF 4

METALS, GFAA

RUN:

ANALYST: JL 2520

REVIEWER:

RECORDER:

DATE: 5/24/94

DATE: / /

DATE: / /

INSTRUMENT: #22

ELEMENT: As 136

WAVELENGTH: 193.7

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.:

ADD 2 CONC.:

ADD 3 CONC.:

C.C.:

SLOPE:

Y INTERCEPT:

SAMPLE:	CCV	Blank1	C156706	C156588	CCV	Blank1
TYPE:			M4636	M4636		
...JE VALUE:	0.02		BDL 0.01	BDL 0.01	0.02	
RESULT:	0.0218	BDL	(0.0066) BDL 0.0185	(0.0008) BDL 0.0100	0.0217	BDL
UNITS:	mg/L →		mg/L	mg/L	mg/L →	
DET. LIMIT:	0.010 →		0.10	0.010	0.010	
% RECOVERY:	109%		118%	92%	109%	
WT/VOL:			50	50		
FINAL VOL:			50	50		
DILUTE:			1:10	—1		
SAMABS:	0.117	0.005	0.036	0.005	0.116	0.003
AD1ABS:			0.099	0.054		
AD2ABS:						
AD3ABS:						
COMMENT:						

AS
5-24-94

Element File: AS_CLP.GEL Element: As Wavelength: 193.7
Date: 05/24/94 Time: 06:52 Slit: 0.7
Data File: AS052394.DAT ID/Wt File: AS052394.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 58
Remark 1: THIS FILE IS TO DETERMINE AS AT 5 PPB USING STANDARDS 10, 20
Remark 2: AND 40 PPB. PD IS THE MODIFIER USED. THIS IS CLP PROTOCOL.

As ID: Blank Seq. No.: 00128 A/S Pos.: 0 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 06:54
Peak Area (A-s): -0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.113 Background Pk Height (A): 0.109
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.0005

Auto-zero performed.

As ID: Standard 1 Seq. No.: 00129 A/S Pos.: 36 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 36
Replicate 1 Time: 06:57
Peak Area (A-s): 0.027 Peak Height (A): 0.049
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.027
Concentration (mg/L): 0.0048

Standard number 1 applied. [0.0050]

Correlation coefficient: 1.00000 Slope: 5.4127 Int: 0.000

~~~~~~

As ID: Standard 2 Seq. No.: 00130 A/S Pos.: 37 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 37
Replicate 1 Time: 06:59
Peak Area (A-s): 0.054 Peak Height (A): 0.093
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): 0.054
Concentration (mg/L): 0.0100

Standard number 2 applied. [0.0100]
Correlation coefficient: 1.00000 Slope: 5.4009 Int: 0.000

~~~~~~

ID: Standard 3 Seq. No.: 00131 A/S Pos.: 38 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 07:02
Peak Area (A-s): 0.107 Peak Height (A): 0.171
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.107
Concentration (mg/L): 0.0198

Standard number 3 applied. [0.0200]
Correlation coefficient: 0.99999 Slope: 5.3557 Int: 0.000

~~~
~~~

uL dispensed: 5 from 40, 5 from 39, 20 from 41
Replicate 1 Time: 07:20
Peak Area (A-s): 0.034 Peak Height (A): 0.053
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.034
C entration (mg/L): 0.0063

Recovery is 54.3% repeat Jn 5/24/94

~~~~~~

As ID: C156530 Seq. No.: 00138 A/S Pos.: 5 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 5
Replicate 1 Time: 07:23
Peak Area (A-s): 0.115 Peak Height (A): 0.162
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.115
Concentration (mg/L): 0.0215 Corrected Conc (mg/L): 0.215

~~~~~~

As ID: C156530 Seq. No.: 00139 A/S Pos.: 5 Date: 05/24/94

uL dispensed: 5 from 40, 5 from 39, 20 from 5
Replicate 1 Time: 07:25
Peak Area (A-s): 0.167 Peak Height (A): 0.277
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.167
Concentration (mg/L): 0.0311 Corrected Conc (mg/L): 0.311

Recovery is 95.9%

~~~~~~

As ID: BLA/530 925019 Seq. No.: 00140 A/S Pos.: 6 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 6
Replicate 1 Time: 07:28
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.0004

~~~~~~

As ID: BLA/530 925019 Seq. No.: 00141 A/S Pos.: 6 Date: 05/24/94

uL dispensed: 5 from 40, 5 from 39, 20 from 6
Replicate 1 Time: 07:30
Peak Area (A-s): 0.051 Peak Height (A): 0.088
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.051
C centration (mg/L): 0.0094

Recovery is 90.5%

~~~~~~

As ID: DUP/530 925020 Seq. No.: 00142 A/S Pos.: 7 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 7
Replicate 1 Time: 07:33
~~~~~~

eak Area (A-s): 0.104 Peak Height ...
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.104
Concentration (mg/L): 0.0194 Corrected Conc (mg/L): 0.194

~~~~~~

As ID: DUP/530 925020 Seq. No.: 00143 A/S Pos.: 7 Date: 05/24/94

uL dispensed: 5 from 40, 5 from 39, 20 from 7
Replicate 1 Time: 07:35
Peak Area (A-s): 0.151 Peak Height (A): 0.265
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.151
Concentration (mg/L): 0.0282 Corrected Conc (mg/L): 0.282

Recovery is 88.3%

~~~~~~

As ID: MSP/530 Seq. No.: 00144 A/S Pos.: 8 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 8
Replicate 1 Time: 07:38
Peak Area (A-s): 0.182 Peak Height (A): 0.288
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.183
Concentration (mg/L): 0.0341 Corrected Conc (mg/L): 0.341

~~~~~~

As ID: MSP/530 Seq. No.: 00145 A/S Pos.: 8 Date: 05/24/94

uL dispensed: 5 from 40, 5 from 39, 20 from 8
Replicate 1 Time: 07:40
Peak Area (A-s): 0.231 Peak Height (A): 0.397
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.231

Concentration (mg/L): 0.0431 Corrected Conc (mg/L): 0.431

Recovery is 90.1%

~~~~~~

As ID: AS Position 36 Seq. No.: 00146 A/S Pos.: 38 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 07:43
Peak Area (A-s): 0.113 Peak Height (A): 0.185
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.114
Concentration (mg/L): 0.0212

ck sample is within range 0.0179 - 0.0220

~~~~~~

As ID: BLA01 Seq. No.: 00147 A/S Pos.: 0 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 07:45
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.012
~~~~~~

Check sample is within range -0.0094 - 0.0094

As ID: C156706 Seq. No.: 00148 A/S Pos.: 9 Date: 05/24/94

L dispensed: 5 from 0, 5 from 40, 20 from 9
Replicate 1 Time: 07:47
Peak Area (A-s): 0.064 Peak Height (A): 0.102
Background Pk Area (A-s): 0.095 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.065
Concentration (mg/L): 0.0120 Corrected Conc (mg/L): 0.060

As ID: C156706 Seq. No.: 00149 A/S Pos.: 9 Date: 05/24/94

L dispensed: 5 from 40, 5 from 39, 20 from 9
Replicate 1 Time: 07:50
Peak Area (A-s): 0.092 Peak Height (A): 0.145
Background Pk Area (A-s): 0.157 Background Pk Height (A): 0.138
Blank Corrected Pk Area (A-s): 0.093
Concentration (mg/L): 0.0173 Corrected Conc (mg/L): 0.086

Recovery is 52.2% Repeat 5-24-94

As ID: C156[illegible] Seq. No.: 00150 A/S Pos.: 10 Date: 05/24/94

L dispensed: 5 from 0, 5 from 40, 20 from 10
Replicate 1 Time: 07:52
Peak Area (A-s): 0.008 Peak Height (A): 0.016
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.008
Concentration (mg/L): 0.0015 Corrected Conc (mg/L): 0.037

As ID: C156691 Seq. No.: 00151 A/S Pos.: 10 Date: 05/24/94

L dispensed: 5 from 40, 5 from 39, 20 from 10
Replicate 1 Time: 07:55
Peak Area (A-s): 0.062 Peak Height (A): 0.078
Background Pk Area (A-s): 0.092 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.063
Concentration (mg/L): 0.0117 Corrected Conc (mg/L): 0.291

Recovery is 101.9%

As ID: C156712 Seq. No.: 00152 A/S Pos.: 11 Date: 05/24/94

L dispensed: 5 from 0, 5 from 40, 20 from 11
Replicate 1 Time: 07:57
Peak Area (A-s): 0.010 Peak Height (A): 0.016
Background Pk Area (A-s): 0.153 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.010
Concentration (mg/L): 0.0018

As ID: C156712 Seq. No.: 00153 A/S Pos.: 11 Date: 05/24/94

uL dispensed: 5 from 40, 5 from 39, 20 from 11
Replicate 1 Time: 08:00
Peak Area (A-s): 0.058 Peak Height (A): 0.070
Background Pk Area (A-s): 0.147 Background Pk Height (A): 0.061
B k Corrected Pk Area (A-s): 0.058
Concentration (mg/L): 0.0109

Recovery is 90.2%

~~~~~~

As ID: C156714 Seq. No.: 00154 A/S Pos.: 12 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 12
Replicate 1 Time: 08:02
Peak Area (A-s): 0.009 Peak Height (A): 0.011
Background Pk Area (A-s): 0.141 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.009
Concentration (mg/L): 0.0017

~~~~~~

As ID: C156714 Seq. No.: 00155 A/S Pos.: 12 Date: 05/24/94

uL dispensed: 5 from 40, 5 from 39, 20 from 12
Replicate 1 Time: 08:05
Peak Area (A-s): 0.057 Peak Height (A): 0.071
Background Pk Area (A-s): 0.143 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.057
Concentration (mg/L): 0.0106

Re very is 88.3%

~~~~~~

As ID: C156178 Seq. No.: 00156 A/S Pos.: 13 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 13
Replicate 1 Time: 08:07
Peak Area (A-s): 0.070 Peak Height (A): 0.077
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.070
Concentration (mg/L): 0.0130 Corrected Conc (mg/L): 0.325

~~~~~~

As ID: C156178 Seq. No.: 00157 A/S Pos.: 13 Date: 05/24/94

uL dispensed: 5 from 40, 5 from 39, 20 from 13
Replicate 1 Time: 08:09
Peak Area (A-s): 0.122 Peak Height (A): 0.202
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.021
B k Corrected Pk Area (A-s): 0.123
Co entration (mg/L): 0.0229 Corrected Conc (mg/L): 0.572

Recovery is 98.9%

000315

~~~~~~

As ID: DUP01 178 Seq. No.: 00158 A/S Pos.: 14 Date: 05/24/94
~~~~~~

Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.069
Concentration (mg/L): 0.0128 Corrected Conc (mg/L): 0.319

~~~~~~

A ID: DUP01 178 Seq. No.: 00159 A/S Pos.: 14 Date: 05/24/94

uL dispensed: 5 from 40, 5 from 39, 20 from 14
Replicate 1 Time: 08:14
Peak Area (A-s): 0.121 Peak Height (A): 0.175
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.121
Concentration (mg/L): 0.0226 Corrected Conc (mg/L): 0.566

Recovery is 98.7%

~~~~~~

As ID: AS Position 38 Seq. No.: 00160 A/S Pos.: 38 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 08:17
Peak Area (A-s): 0.117 Peak Height (A): 0.167
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.117
Concentration (mg/L): 0.0218

Check sample is within range 0.0179 - 0.0220

~~~~~~

As ID: BLA01 Seq. No.: 00161 A/S Pos.: 0 Date: 05/24/94

dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 08:19
Peak Area (A-s): 0.005 Peak Height (A): 0.012

Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.005
Concentration (mg/L): 0.0010

Check sample is within range -0.0094 - 0.0094

~~~~~~

As ID: CDL Seq. No.: 00162 A/S Pos.: 15 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 15

~~~~~~

As ID: C156588 Seq. No.: 00163 A/S Pos.: 4 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 4
Replicate 1 Time: 08:22
ak Area (A-s): 0.000 Peak Height (A): 0.006
ckground Pk Area (A-s): 0.047 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): 0.0000

~~~~~~

As ID: C156588 Seq. No.: 00164 A/S Pos.: 4 Date: 05/24/94

- 5 - 40 5 from 39 20 from 4

eplicate 1 Time: 08:20
eak Area (A-s): 0.019 Peak Height (A): 0.043
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.019
Co ntration (mg/L): 0.0036

Recovery is 35.4%

As ID: C156588 Seq. No.: 00165 A/S Pos.: 4 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 4
Replicate 1 Time: 08:27
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.004
Concentration (mg/L): 0.0006

As ID: C156588 Seq. No.: 00166 A/S Pos.: 4 Date: 05/24/94

uL dispensed: 5 from 40, 5 from 39, 20 from 4
Replicate 1 Time: 08:30
Peak Area (A-s): 0.027 Peak Height (A): 0.050
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.027
Concentration (mg/L): 0.0050

Recovery is 43.2%

A. ID: C156588 Seq. No.: 00167 A/S Pos.: 4 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 4
Replicate 1 Time: 08:32

Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.0003

ID: C156588 Seq. No.: 00168 A/S Pos.: 4 Date: 05/24/94

uL dispensed: 5 from 40, 5 from 39, 20 from 4
Replicate 1 Time: 08:35
Peak Area (A-s): 0.027 Peak Height (A): 0.049
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.027
Concentration (mg/L): 0.0050

As ID: C156706 Seq. No.: 00169 A/S Pos.: 9 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 9
Replicate 1 Time: 08:39
Peak Area (A-s): 0.035 Peak Height (A): 0.041
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.036
Concentration (mg/L): 0.0066 Corrected Conc (mg/L): 0.066

As ID: C156706 Seq. No.: 00170 A/S Pos.: 9 Date: 05/24/94

uL dispensed: 5 from 40, 5 from 39, 20 from 9
Replicate 1 Time: 08:41
Peak Area (A-s): 0.099 Peak Height (A): 0.165
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.099
Concentration (mg/L): 0.0185 Corrected Conc (mg/L): 0.185

Recovery is 118.1%

As ID: C156568 Seq. No.: 00171 A/S Pos.: 4 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 4
Replicate 1 Time: 08:44
Peak Area (A-s): 0.004 Peak Height (A): 0.008
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.005
Concentration (mg/L): 0.0005

As ID: C156568 Seq. No.: 00172 A/S Pos.: 4 Date: 05/24/94

uL dispensed: 5 from 40, 5 from 39, 20 from 4
Replicate 1 Time: 08:47
Peak Area (A-s): 0.054 Peak Height (A): 0.100
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.054
Concentration (mg/L): 0.0100

Recovery is 92.3%

~~~~~~

As ID: AS Position 38 Seq. No.: 00173 A/S Pos.: 38 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 08:50
Peak Area (A-s): 0.116 Peak Height (A): 0.155
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.116
Concentration (mg/L): 0.0217

Check sample is within range 0.0179 - 0.0220

~~~~~~

As ID: BLA01 Seq. No.: 00174 A/S Pos.: 0 Date: 05/24/94

u ispensed: 5 from 0, 5 from 40, 20 from 0
R icate 1 Time: 08:52
Peak Area (A-s): 0.003 Peak Height (A): 0.008
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.003
Concentration (mg/L): 0.0005

Check [illegible] within range [illegible]

~~~~~~

As ID: AS Position 38 CDL Seq. No.: 00175 A/S Pos.: 38 Date: 05/24/94

JW 5/24 JW 5-24-94

uL dispensed: 5 from 0, 5 from 40, 20 from 38

Replicate 1 Time: 08:54

Peak Area (A-s): 0.120 Peak Height (A): 0.149

Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.021

Blank Corrected Pk Area (A-s): 0.120

Concentration (mg/L): 0.0224

~~~~~~

As ID: AS Position 38 Seq. No.: 00176 A/S Pos.: 38 Date: 05/24/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38

Replicate 1 Time: 08:57

Peak Area (A-s): 0.119 Peak Height (A): 0.155

Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.019

Blank Corrected Pk Area (A-s): 0.119

Concentration (mg/L): 0.0222

Check sample is out of range 0.0179 - 0.0220

ANALYSIS RUN: R219308

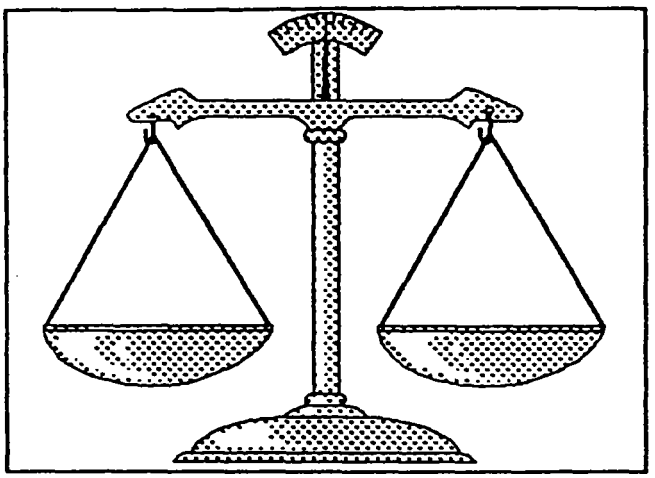
RUN NUMBER: 10028

TEST: Se 645

ANALYST: Sn 2520

DATE: 6/ 4 /94

INSTRUMENT: #22



Reprep_____(complete)

Reprep_____(incomplete)

COMMENTS: _____

91CK1072.R6

PAGE 1 OF 7 **METALS, GFAA** 645 RUN: R219308

ANALYST: Vn 2520 REVIEWER: mmc RECORDER: DJL

DATE: 6/4/94 DATE: 6/6/94 DATE: 6/7/94

INSTRUMENT: #22 ELEMENT: Se 645 WAVELENGTH: 196.0

CAL. CURVE:	0	0.010	0.020	0.040	0.050	mg/l
RESPONSE:	0.001	0.041 050294E	0.079 050294F	0.154 050294G	0.194 050294H	

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: 0.9999 SLOPE: 0.261 Y INTERCEPT: 0.0005

SAMPLE:	ICV01	BLA01	CDL1	C156177	DUP01	C156178
TYPE:	G 052594B		052594F	M428.2	C156177	M428.2
E VALUE:	0.02		0.02		0.049	
RESULT:	0.0219	BDL	0.0212	0.049	0.052	0.053
UNITS:	mg/l			mg/l		mg/l
DET. LIMIT:	0.010			0.05		0.05
% RECOVERY:	110%		106%		5% rpd	
WT/VOL:						
FINAL VOL:						
DILUTE:				1:5	1:5	1:5
SAMABS:	0.085	0.006	0.083	0.076	0.082	0.083
AD1ABS:				0.111	0.109	0.116
AD2ABS:						
AD3ABS:				Ap9 2x 0.097		Ap9 2x
COMMENT:						

PAGE 2 OF 4

METALS, GFAA

RUN:

ANALYST: Sn 2520 REVIEWER: RECORDER:

DATE: 6/4/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: Se 645 WAVELENGTH: 196.0

CAL. CURVE:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	DUP02 1 C156178 Sn 6-4-94	C156257	DUP01 C156257	CCV	Blaol	LCS
TYPE:		M4798				Q928526
VALUE:	0.051		0.054	0.02		~~0.10~~ 0.05 Sn 6-4-94
RESULT:	0.053	0.054	0.059	0.0207	BDL	0.054
UNITS:	mg/l	mg/l	→	mg/l	→	mg/l
DET. LIMIT:	0.05	0.05	→	0.010	→	0.025
% RECOVERY:	3.8% rpt		~~4.9~~ 8.8% Sn 6-12-94 8% rpt Sn 6-4-94	104%		108%
WT/VOL:						50
FINAL VOL:						50
DILUTE:		1:5				1:5
SAMABS:	0.080	0.084	0.092	0.081	0.001	0.042
AD1ABS:	0.112	0.122	0.117			
AD2ABS:						
AD3ABS:		WS 2X				
COMMENT:		0.107	0.118			

PAGE 3 OF 4 **METALS, GFAA** RUN:

ANALYST: Jn 2520 REVIEWER: RECORDER:

DATE: 6/4/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: Se 645 WAVELENGTH: 196.0

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	B1902	C156766	DUP02	Sp.02	Sp.02	CCV
TYPE:	CX 928527	M 6286	C156766 CX928528	C156766 CX928529	C156766	
E VALUE:		BDL / 0.01	BDL	0.05	0.05	0.02
RESULT:	BDL	-0.0003 BDL / 0.0069	BDL	BDL / 0.037	BDL / 0.034	0.0189
UNITS:	mg/l	mg/l	mg/l	→	→	mg/l
DET. LIMIT:	0.005	0.025	0.025	→	→	0.010
% RECOVERY:		71%	0% rpd	*NA	NA	95%
WT/VOL:	50	50	50	50	→	
FINAL VOL:	50	50	50	50	→	
DILUTE:		1:5	1:5	1:5	→	
SAMABS:	0.000	0.000	0.005	0.030	0.027	0.074
AD1ABS:		0.028	0.027			
AD2ABS:						
AD3ABS:						
COMMENT:				*Do Dspic2	* Both spikes had a low % rec. Showing a matrix interf.	

91DL1065.R6

PAGE 4 OF 4

METALS, GFAA

RUN:

ANALYST: Jn 2520

REVIEWER:

RECORDER:

DATE: 6/4/94

DATE: / /

DATE: / /

INSTRUMENT: #22

ELEMENT: Se 645

WAVELENGTH: 196.0

CAL. CURVE:

RESPONSE:

ADD 1 CONC.:

ADD 2 CONC.:

ADD 3 CONC.:

C.C.:

SLOPE:

Y INTERCEPT:

SAMPLE:	Bla01	CD1				
TYPE:						
TE VALUE:		0.02				
RESULT:	BDL	0.0175				
UNITS:	mg/l →					
DET. LIMIT:	0.010 →					
% RECOVERY:						
WT/VOL:						
FINAL VOL:						
DILUTE:						
SAMABS:	0.003	0.069				
AD1ABS:						
AD2ABS:						
AD3ABS:						
COMMENT:						

6-4-94

Element File: SE82290.GEL Element: Se Wavelength: 196.0
Date: 05/31/94 Time: 18:24 Slit: 2.0
Data File: SE053194.DAT ID/Wt File: SE053194.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 55
Remark 1: THIS FILE IS TO DETERMINE SE AT 5 PPB USING STANDARDS 10,20,
Remark 2: 40 AND 50 PPB. PALLADIUM IS THE MODIFIER USED. THIS IS CLP
Remark 3: PROTOCOL.

Blank ID: Blank Seq. No.: 00065 A/S Pos.: 6 Date: 05/31/94

Replicate 1 Time: 12:26
Peak Area (A-s): 0.022 Peak Height (A): 0.010
Background Pk Area (A-s): [illegible] Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): [illegible]

Auto zero performed.

Standard ID: Standard Seq. No.: 00066 A/S Pos.: 36 Date: 05/31/94

Replicate 1 Time: 12:29
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): [illegible]

Standard number 1 applied. [illegible]
Correlation coefficient: [illegible] Slope: 4.1115 Int: 0.000

Standard ID: Standard 2 Seq. No.: 00067 A/S Pos.: 37 Date: 05/31/94

Replicate 1 Time: 12:31
Peak Area (A-s): 0.004 Peak Height (A): 0.139
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.079
Concentration (mg/L): 0.0192

Standard number 2 applied. [0.02000]
Correlation coefficient: 0.99969 Slope: 3.9419 Int: 0.001

Standard ID: Standard 3 Seq. No.: 00068 A/S Pos.: 38 Date: 05/31/94

Replicate 1 Time: 12:34

Peak Area (A-s): [illegible] Peak Height (A): 0.312
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.154
Concentration (mg/L): 0.0385

Standard number 3 applied. [illegible]
Correlation coefficient: 0.99978 Slope: 3.8204 Int: 0.002

Se ID: Standard 4 Seq. No.: 00089 A/S Pos.: 39 Date: 05/31/94

Replicate 1 Time: 12:37
Peak Area (A-s): [illegible] Peak Height (A): 0.384
Background Pk Area (A-s): 0.076 Background Pk Height (A): [illegible]
Blank Corrected Pk Area (A-s): 0.194
Concentration (mg/L): [illegible]

Standard number 4 applied. [illegible]
Correlation coefficient: [illegible] Slope: [illegible] Int: [illegible]

ID: ICV01 Seq. No.: 00090 A/S Pos.: 1 Date: 05/31/94

Replicate 1 Time: 12:39
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.063
Concentration (mg/L): 0.0228

Se ID: BLA01 Seq. No.: 00091 A/S Pos.: 2 Date: 05/31/94

Replicate 1 Time: 12:42
Peak Area (A-s): 0.006 Peak Height (A): 0.018
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.0000

Se ID: CDL Seq. No.: 00092 A/S Pos.: 3 Date: 05/31/94

Replicate 1 Time: 12:44
Peak Area (A-s): 0.086 Peak Height (A): 0.145
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.193
Blank Corrected Pk Area (A-s): 0.081
Concentration (mg/L): 0.0207

Se ID: C156177 Seq. No.: 00093 A/S Pos.: 4 Date: 05/31/94

Replicate 1 Time: 12:47
Peak Area (A-s): 0.084 Peak Height (A): 0.112
Background Pk Area (A-s): 0.079 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.080
Concentration (mg/L): 0.0204 Corrected Conc (mg/L): [illegible]

Se ID: C1b6177 Seq. No.: 00094 A/S Pos.: 4 Date: 05/31/94

Replicate 1 Time: 12:49
Peak Area (A-s): 0.122 Peak Height (A): 0.174
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.117
Concentration (mg/L): 0.0301 Corrected Conc (mg/L): 0.151

Recovery is 97.4%

Se ID: DUP01 177 Seq. No.: 00095 A/S Pos.: 5 Date: 05/31/94

Replicate 1 Time: 12:52
Peak Area (A-s): 0.021 Peak Height (A): 0.131
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.061
Concentration (mg/L): 0.0208 Corrected Conc (mg/L): 0.104

Se ID: DUP01 177 Seq. No.: 00096 A/S Pos.: 6 Date: 05/31/94

Replicate 1 Time: 12:55
Peak Area (A-s): 0.116 Peak Height (A): 0.162
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.112
Concentration (mg/L): 0.0287 Corrected Conc (mg/L): 0.144

Recovery is 79.7%

Se ID: ICV01 Seq. No.: 00098 A/S Pos.: 1 Date: 05/31/94

Replicate 1 Time: 12:58
Peak Area (A-s): 0.178 Peak Height (A): 0.125
Background Pk Area (A-s): 0.093 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.085
Concentration (mg/L): 0.0219

Se ID: BLA01 Seq. No.: 00099 A/S Pos.: 2 Date: 05/31/94

Replicate 1 Time: 13:02
Peak Area (A-s): 0.011 Peak Height (A): 0.016
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.006
Concentration (mg/L): 0.0012

ID: CDL Seq. No.: 00100 A/S Pos.: 3 Date: 05/31/94

Replicate 1 Time: 13:05
Peak Area (A-s): 0.088 Peak Height (A): 0.114
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.083
Concentration (mg/L): 0.0212

Se ID: C156177 Seq. No.: 00101 A/S Pos.: 4 Date: 05/31/94

Replicate 1 Time: 13:08

Peak Area (A-s): 0.081 Peak Height (A): 0.1[illegible]
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.103
Blank Corrected Pk Area (A-s): 0.076
Concentration (mg/L): 0.0195 Corrected Conc (mg/L): 0.097

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Se ID: C156177 Seq. No.: 00102 A/S Pos.: 4 Date: 05/31/94

Replicate 1 Time: 13:10
Peak Area (A-s): 0.116 Peak Height (A): 0.155
Background Pk Area (A-s): [illegible] Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.[illegible]
Concentration (mg/L): 0.0[illegible] Corrected Conc (mg/L): 0.[illegible]

Recovery is 91.2%

~~~~~~

Se ID: DUP01 177 Seq. No.: 00103 A/S Pos.: 5 Date: 05/31/94

Replicate 1 Time: [illegible]
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.082
Concentration (mg/L): 0.0[illegible] Corrected Conc (mg/L): 0.104

~~~~~~

Se ID: DUP01 177 Seq. No.: 00104 A/S Pos.: 5 Date: 05/31/94

Replicate 1 Time: 13:1[illegible]
Peak Area (A-s): 0.113 Peak Height (A): 0.157
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.109
Concentration (mg/L): 0.0[illegible] Corrected Conc (mg/L): 0.140

Recovery is 70.6%

~~~~~~

Se ID: C156176 Seq. No.: 00105 A/S Pos.: 6 Date: 05/31/94

Replicate 1 Time: 13:18
Peak Area (A-s): 0.088 Peak Height (A): 0.116
Background Pk Area (A-s): 0.194 Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.083
Concentration (mg/L): 0.0212 Corrected Conc (mg/L): 0.106

~~~~~~

ID: C156178 Seq. No.: 00106 A/S Pos.: 6 Date: 05/31/94

Replicate 1 Time: 13:21
Peak Area (A-s): 0.120 Peak Height (A): 0.167
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.116
Concentration (mg/L): 0.0297 Corrected Conc (mg/L): 0.149

Recovery is 84.9%
~~~~~~

Se ID: DUP 176 Seq. No.: 00107 A/S Pos.: 7 Date: 05/31/94

Replicate 1
Peak Area (A-s): 0.084
Background Pk Area (A-s): 0.122
Blank Corrected Pk Area (A-s): 0.080
Concentration (mg/L): 0.0204

Time: 13:23
Peak Height (A): 0.107
Background Pk Height (A): 0.054
Corrected Conc (mg/L): 0.102

Se ID: DUP 176 Seq. No.: 00108 A/S Pos.: 7 Date: 05/31/94

Replicate 1
Peak Area (A-s): 0.117
Background Pk Area (A-s): 0.095
Blank Corrected Pk Area (A-s): 0.113
Concentration (mg/L): 0.0288

Time: 13:26
Peak Height (A): 0.155
Background Pk Height (A): 0.055
Corrected Conc (mg/L): 0.144

Recovery is 63.7%

Se ID: [illegible] Seq. No.: 00109 A/S Pos.: 8 Date: 05/31/94

Replicate 1
Peak Area (A-s): [illegible]
Background Pk Area (A-s): 0.083
Blank Corrected Pk Area (A-s): 0.084
Concentration (mg/L): [illegible]

Time: 13:28
Peak Height (A): [illegible]
Background Pk Height (A): 0.043
Corrected Conc (mg/L): [illegible]

Se ID: [illegible] Seq. No.: 00110 A/S Pos.: 8 Date: 05/31/94

Replicate 1
Peak Area (A-s): 0.187
Background Pk Area (A-s): [illegible]
Blank Corrected Pk Area (A-s): 0.182
Concentration (mg/L): [illegible]

Time: 13:30
Peak Height (A): 0.224
Background Pk Height (A): 0.064
Corrected Conc (mg/L): 0.157

Recovery is 100.1%

Se ID: DUP 257 Seq. No.: 00111 A/S Pos.: 9 Date: 05/31/94

Replicate 1
Peak Area (A-s): 0.097
Background Pk Area (A-s): 0.065
Blank Corrected Pk Area (A-s): 0.092
Concentration (mg/L): 0.0236

Time: 13:34
Peak Height (A): 0.134
Background Pk Height (A): 0.043
Corrected Conc (mg/L): 0.118

ID: DUP 257 Seq. No.: 00112 A/S Pos.: 9 Date: 05/31/94

Replicate 1
Peak Area (A-s): 0.122
Background Pk Area (A-s): 0.069
Blank Corrected Pk Area (A-s): 0.117
Concentration (mg/L): 0.0301

Time: 13:36
Peak Height (A): 0.163
Background Pk Height (A): 0.052
Corrected Conc (mg/L): 0.150

Se • ID: AS Position 37 Seq. No.: 00113 A/S Pos.: 37 Date: 05/31/94

Replicate 1 Time: 13:39
Peak Area (A-s): 0.086 Peak Height (A): 0.120
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.081
Concentration (mg/L): 0.0207

Check sample is within range 0.0179 - 0.0220

Se ID: BLA01 Seq. No.: 00114 A/S Pos.: 0 Date: 05/31/94

Replicate 1 Time: 13:41
Peak Area (A-s): 0.006 Peak Height (A): 0.015
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.00008

Check sample is within range -0.00094 - 0.00094

Se ID: LCS 928566 Seq. No.: 00115 A/S Pos.: 10 Date: 05/31/94

Replicate 1 Time: 13:44
Peak Area (A-s): 0.047 Peak Height (A): 0.263
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.042
Concentration (mg/L): 0.0167 Corrected Conc (mg/L): 0.0184

Se ID: BLA02 928567 Seq. No.: 00116 A/S Pos.: [illegible] Date: 05/31/94

Replicate 1 Time: 13:46
Peak Area (A-s): 0.005 Peak Height (A): 0.016
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.0002

Se ID: C136766 Seq. No.: 00117 A/S Pos.: 12 Date: 05/31/94

Replicate 1 Time: 13:49
Peak Area (A-s): 0.015 Peak Height (A): 0.032
Background Pk Area (A-s): 0.406 Background Pk Height (A): 0.163
Blank Corrected Pk Area (A-s): 0.010
Concentration (mg/L): 0.0024

ID: C156766 Seq. No.: 00118 A/S Pos.: 12 Date: 05/31/94

Replicate 1 Time: 13:51
Peak Area (A-s): 0.022 Peak Height (A): 0.051
Background Pk Area (A-s): 0.571 Background Pk Height (A): 0.224
Blank Corrected Pk Area (A-s): 0.017
Concentration (mg/L): 0.0042

e ID: C156766 Seq. No.: 00120 A/S Pos.: 12 Date: 05/31/94

eplicate 1 Time: 13:58
eak Area (A-s): 0.005 Peak Height (A): 0.011
ackground Pk Area (A-s): 0.156 Background Pk Height (A): 0.074
lank Corrected Pk Area (A-s): 0.000
oncentration (mg/L): -0.0003 Corrected Conc (mg/L): -0.001

e ID: C156766 Seq. No.: 00121 A/S Pos.: 13 Date: 05/31/94

eplicate 1 Time: 14:00
eak Area (A-s): 0.036 Peak Height (A): 0.057
ackground Pk Area (A-s): 0.149 Background Pk Height (A): 0.069
lank Corrected Pk Area (A-s): 0.028
oncentration (mg/L): 0.0069 Corrected Conc (mg/L): 0.034

ecovery is 71.3%

e ID: DLF 766 928508 Seq. No.: 00122 A/S Pos.: 11 Date: 05/31

eplicate 1 Time: 14:03
eak Area (A-s): 0.004 Peak Height (A): 0.011
ackground Pk Area (A-s): 0.160 Background Pk Height (A): 0.075
lank Corrected Pk Area (A-s): 0.000
oncentration (mg/L): 0.0009 Corrected Conc (mg/L): 0.004

e ID: DLF 766 928508 Seq. No.: 00123 A/S Pos.: 12 Date: 05/31/94

eplicate 1 Time: 14:06
eak Area (A-s): 0.031 Peak Height (A): 0.047
ackground Pk Area (A-s): 0.148 Background Pk Height (A): 0.076
lank Corrected Pk Area (A-s): 0.027
oncentration (mg/L): 0.0068 Corrected Conc (mg/L): 0.033

ecovery is 57.1%

e ID: SPI 766 928509 Seq. No.: 00124 A/S Pos.: 14 Date: 05/31/94

eplicate 1 Time: 14:08
eak Area (A-s): 0.035 Peak Height (A): 0.064
ackground Pk Area (A-s): 0.160 Background Pk Height (A): 0.077
lank Corrected Pk Area (A-s): 0.030
oncentration (mg/L): 0.0074 Corrected Conc (mg/L): 0.037

e ID: AS Position 37 Seq. No.: 00125 A/S Pos.: 37 Date: 05/31/94

eplicate 1 Time: 14:11
eak Area (A-s): 0.079 Peak Height (A): 0.124
ackground Pk Area (A-s): 0.068 Background Pk Height (A): 0.039
lank Corrected Pk Area (A-s): 0.074
oncentration (mg/L): 0.0189

ID: BLA01 Seq. No.: 00126 A/S Pos.: 0 Date: 05/31/94

licate 1 Time: 14:13
ak Area (A-s): 0.002 Peak Height (A): 0.010
kground Pk Area (A-s): 0.353 Background Pk Height (A): 0.030
nk Corrected Pk Area (A-s): -0.003
centration (mg/L): -0.0010

ck sample is within range -0.00994 - 0.00994

ID: C156863 Seq. No.: 00127 A/S Pos.: 15 Date: 05/31/94

cate 1 Time: 14:15
Area (A-s): 0.010 Peak Height (A): 0.051
ground Pk Area (A-s): 0.040 Background Pk Height (A): 0.375
k Corrected Pk Area (A-s): 0.006
entration (mg/L): 0.0018 Corrected Conc (mg/L): 0.006

ID: C156863 Seq. No.: 00128 A/S Pos.: 15 Date: 05/31/94

licate 1 Time: 14:18
Area (A-s): 0.017 Peak Height (A): 0.080
ground Pk Area (A-s): 0.040 Background Pk Height (A): 0.375
k Corrected Pk Area (A-s): 0.012
entration (mg/L): 0.0036 Corrected Conc (mg/L): 0.014

very is 16.8%

ID: SPI 766 928529 Seq. No.: 00130 A/S Pos.: 14 Date: 05/31/94

licate 1 Time: 14:21
Area (A-s): 0.032 Peak Height (A): 0.250
ground Pk Area (A-s): 0.139 Background Pk Height (A): 0.069
k Corrected Pk Area (A-s): [illegible]
entration (mg/L): 0.0067 Corrected Conc (mg/L): 0.034

ID: AS Position 37 Seq. No.: 00131 A/S Pos.: 37 Date: 05/31/94

licate 1 Time: 14:24
Area (A-s): 0.078 Peak Height (A): 0.128
ground Pk Area (A-s): 0.085 Background Pk Height (A): 0.625
k Corrected Pk Area (A-s): 0.073
entration (mg/L): 0.0186

k sample is within range 0.0179 - 0.0220

ID: BLA01 Seq. No.: 00132 A/S Pos.: 0 Date: 05/31/94

licate 1 Time: 14:27
Area (A-s): 0.007

Background Pk Area (A-s): 0.[illegible] Background Pk Height (A): 0.[illegible]
Blank Corrected Pk Area (A-s): 0.006
Concentration (mg/L): 0.0003

Check sample is within range -0.00994 - 0.00994

Se ID: C156863 Seq. No.: 00133 A/S Pos.: 15 Date: 05/31/94

Replicate 1 Time: 14:29
Peak Area (A-s): 0.006 Peak Height (A): 0.013
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.0001 Corrected Conc (mg/L): 0.001

Repeat In 6-4-94

Se ID: C156863 Seq. No.: 00134 A/S Pos.: 15 Date: 05/31/94

Replicate 1 Time: 14:32
Peak Area (A-s): 0.025 Peak Height (A): 0.040
Background Pk Area (A-s): 0.101 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.0[illegible]
Concentration (mg/L): 0.0[illegible] Corrected Conc (mg/L): 0.060

[illegible]

[illegible] ID: [illegible] Seq. No.: [illegible] A/S Pos.: 16 Date: 05/31/[illegible]

Replicate 1 Time: 14:34
Peak Area (A-s): [illegible] Peak Height (A): 0.[illegible]
Background Pk Area (A-s): 0.[illegible] Background Pk Height (A): 0.38[illegible]
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): 0.00[illegible]

Se ID: CCL Seq. No.: 00137 A/S Pos.: 3 Date: 05/31/94

Replicate 1 Time: 14:38
Peak Area (A-s): 0.073 Peak Height (A): 0.113
Background Pk Area (A-s): 0.085 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.06[illegible]
Concentration (mg/L): 0.0175

ANALYSIS RUN: R218153

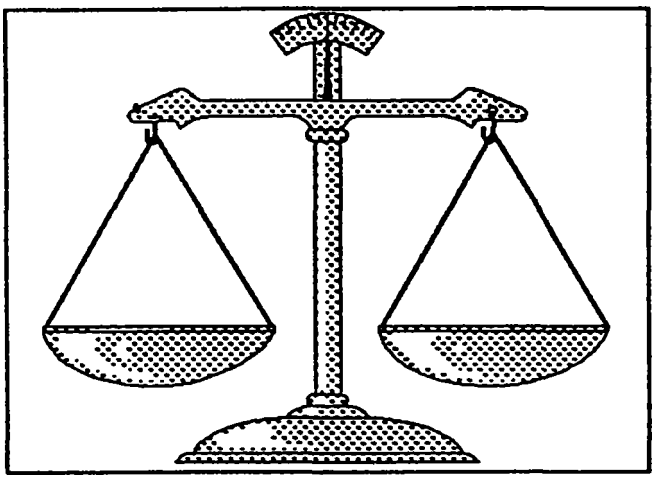
RUN NUMBER: 10009

TEST: AS 136

ANALYST: Jn 2520

DATE: 5 / 23 / 94

INSTRUMENT: #22



Reprep_____(complete)

Reprep_____(incomplete)

COMMENTS: _____

91CK1072.R6

PAGE 1 OF 6

METALS, GFAA

RUN: R218155

ANALYST: Jm 2520 REVIEWER: [illegible] RECORDER: DJL

DATE: 5/23/94 DATE: 5/24/94 DATE: 5/24/94

INSTRUMENT: #22 ELEMENT: As 136 WAVELENGTH: 193.7

CAL. CURVE.:	0	0.005	0.010	0.020	0.040	mg/L
RESPONSE:	0.001	0.033	0.066	0.122	0.235	

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: 0.9999 SLOPE: 0.172 Y INTERCEPT: 0.0007

SAMPLE:	ICV01	Blaa1	CDL	Spica	C156720	C156722
TYPE:	050294C		050294F	C156261 [illegible]	[illegible]	[illegible]
E VALUE:	0.02		0.02	5.03		
RESULT:	0.0207	BDL	0.0201	BDL ~52.	BDL	BDL
UNITS:	mg/L			mg/kg	mg/kg	mg/kg
DET. LIMIT:	0.010			2.5	2.5	2.5
% RECOVERY:	104%		101%	90%		
WT/VOL:				1.99	2.03	2.03
FINAL VOL:				100	100	100
DILUTE:				1:5	1:5	1:5
SAMABS:	0.124	0.000	0.121	0.109	0.006	0.009
AD1ABS:					0.029	0.067
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 2 OF 6

METALS, GFAA

RUN:

ANALYST: In 2520 REVIEWER: RECORDER:

DATE: 5 / 23 / 94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: AS 136 WAVELENGTH: 193.7

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	C156723	LCS	B1a02	CCV	B1a01	C156504
TYPE:	M1002	G924430	G924431			M1G036
VALUE:		0.10		0.02		BDL 0.01
RESULT:	BDL	0.105	BDL	0.0199	BDL	(0.0004) BDL 0.0101
UNITS:	mg/kg	mg/L	mg/L	mg/L	mg/L	mg/L
DET. LIMIT:	2.5	0.05	0.010	0.010	0.010	0.05
% RECOVERY:				99%		105%
WT/VOL:	1.47					5
FINAL VOL:	100	50	50			50
DILUTE:	1:5	1.5	–			1:5
SAMABS:	0.003	0.126	0.002	0.120	0.002	0.002
AD1ABS:	0.040					0.063
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 3 OF 6

METALS, GFAA

RUN:

ANALYST: Jn 2526 REVIEWER: RECORDER:

DATE: 5/23/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: AS 136 WAVELENGTH: 193.7

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	DLPC2	Spic2	C156503	C156505	[illegible]	Blank
TYPE:	C156504 Q924432	C156504 Q924433	M1603.6	M1603.6		
VALUE:	BDL	0.10	BDL 0.01	BDL 0.01	0.00	
RESULT:	BDL	BDL 0.103	(0.0021) BDL 0.0128	(0.0022) BDL 0.0124	0.0205	BDL
UNITS:	mg/L	mg/L	mg/L	mg/L	mg/L	
DET. LIMIT:	0.05	0.05	0.010	0.010	0.010	
% RECOVERY:	0% rpd	103%	107%	102%	103%	
WT/VOL:	50	50	50	50		
FINAL VOL:	50	50	50	50		
DILUTE:	1:5	1:5	1	1		
SAMABS:	0.002	0.123	0.016	0.017	0.123	0.002
AD1ABS:	0.063		0.078	0.016		
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 4 OF 6

METALS, GFAA

RUN:

ANALYST: Jn 2520 REVIEWER: RECORDER:

DATE: 5 / 23 / 94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: As 136 WAVELENGTH: 193.7

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	Blaco	DCPB2	[illegible]	LCS	B'002	[illegible]
TYPE:	C156530 Q925019	C156530 Q928320	[illegible]	Q928321	Q928322	
E VALUE:		BDL	BDL 0.01	0.10		0.02
RESULT:	BDL	BDL	(0.001) BDL 0.0069	0.100	BDL	0.0200
UNITS:	mg/L		mg/L	mg/L	mg/L	mg/L
DET. LIMIT:	0.010	[illegible]	0.05	0.05	0.010	0.010
% RECOVERY:			68%	100%		100%
WT/VOL:	50		50			
FINAL VOL:	50		50	50	50	
DILUTE:			1.5	1.5	-	
SAMABS:	0.001		0.005	0.120	0.001	0.120
AD1ABS:	0.054		0.005			
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 5 OF 6

METALS, GFAA

RUN:

ANALYST: Jr. 2520 REVIEWER: RECORDER:

DATE: 5/23/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: AS 136 WAVELENGTH: 193.7

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	Blaol	DUPO2 C156711	Spro2	CCC	Blaol	CDL
TYPE:		G425323	C156711 G425324			
VALUE:		BDL	0.10	0.02		0.02
RESULT:	BDL	BDL	BDL 0.107	0.0198	BDL	0.0206
UNITS:	mg/l		mg/l	mg/l		mg/l
DET. LIMIT:	0.010	0.005	0.025	0.010		0.010
% RECOVERY:		0% cpd	117%	99%		103%
WT/VOL:		50	50			
FINAL VOL:		50	50			
DILUTE:		—	1:5			
SAMABS:	0.001	0.018	0.129	0.114	0.0020	0.115
AD1ABS:		0.074				
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 6 OF 6 | METALS | RUN #

INSTRUMENT: #22 | WAVELENGTH: | TEST:

ANALYST: [illegible] | REVIEWER: | RECORDER:

DATE: 5/23/94 | DATE: / / | DATE: / /

CALIBRATION:

RESPONSE:

C.C.: | SLOPE: | Y INTERCEPT:

SAMPLE:	[illegible]				
TYPE:	[illegible]				
SAMPLE RESULT:	[illegible]				
CORRECTED RESULT:	—				
M.S. TRUE VALUE:	[illegible]				
SAMPLE + M.S.:	0.099				
MS % REC.:	99%				
ADD 1:	0.01				
SAMPLE:	0.015				
SAMPLE + ADD 1:	0.019				
DILUTION:	-1				
DET. LIMIT:	0.005				
UNITS:	mg/L				
WT./VOL.:	5				
FINAL VOL.:	50				
COMMENTS:	* D.L. 0.005 CIP				

91CK1073.R6

AS
5-23-94

Element File: AS_CLP.GEL Element: As Wavelength: 193.7
Date: 05/23/94 Time: 14:18 Slit: 0.7
Data File: AS052394.DAT ID/Wt File: AS052394.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 55
Remark 1: THIS FILE IS TO DETERMINE AS AT 5 PPB USING STANDARDS 10, 20
Remark 2: AND 40 PPB. PD IS THE MODIFIER USED. THIS IS CLP PROTOCOL.

~~~~~~

As ID: Blank Seq. No.: 00002 A/S Pos.: 0 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 14:25
Peak Area (A-s): -0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.015
ank Corrected Pk Area (A-s): -0.001

Auto-zero performed.

~~~~~~

As ID: Standard 1 Seq. No.: 00003 A/S Pos.: 36 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 36

Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): 0.033

Standard number 1 applied. [0.0050]
rrelation coefficient: 1.00000 Slope: 5.6406 Int: 0.000

~~~~~~

As ID: Standard 2 Seq. No.: 00004 A/S Pos.: 37 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 37
Replicate 1 Time: 14:30
Peak Area (A-s): 0.065 Peak Height (A): 0.126
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.066
Concentration (mg/L): 0.0099

Standard number 2 applied. [0.0100]
Correlation coefficient: 0.99999 Slope: 6.6025 Int: 0.000

~~~~~~

As ID: Standard 3 Seq. No.: 00005 A/S Pos.: 38 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 14:33
Peak Area (A-s): 0.121 Peak Height (A): 0.223

Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.122
Concentration (mg/L): 0.0185

Standard number 3 applied. [0.0200]
Correlation coefficient: 0.99891 Slope: 6.0819 Int: 0.002

~~~~~~

As ID: Standard 4 Seq. No.: 00006 A/S Pos.: 39 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 39
Replicate 1 Time: 14:35
Peak Area (A-s): 0.234 Peak Height (A): 0.428
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.235
centration (mg/L): 0.0382

Standard number 4 applied. [0.0400]
Correlation coefficient: 0.99945 Slope: 5.8152 Int: 0.004

~~~~~~

As ID: ICV01 Seq. No.: 00007 A/S Pos.: 1 Date: 05/23/94

eak Area (A-s): 0.124 Peak Height (A): 0.236
ackground Pk Area (A-s): 0.[illegible] Background Pk Height (A): 0.028
lank Corrected Pk Area (A-s): 0.124
oncentration (mg/L): 0.0207

~~~~~~

As ID: BLA01 Seq. No.: 00008 A/S Pos.: 2 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 2
Replicate 1 Time: 14:40
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.0007

~~~~~~

As ID: CDL Seq. No.: 00009 A/S Pos.: 3 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 3
Replicate 1 Time: 14:43
Peak Area (A-s): 0.120 Peak Height (A): 0.225
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.121
Concentration (mg/L): 0.0201

~~~~~~

As ID: SPI 261 926844 Seq. No.: 00010 A/S Pos.: 4 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 4
Replicate 1 Time: 14:45
Pe Area (A-s): 0.108 Peak Height (A): 0.233
Bac ground Pk Area (A-s): 0.075 Background Pk Height (A): 0.135
Blank Corrected Pk Area (A-s): 0.109
Concentration (mg/L): 0.0180 Corrected Conc (mg/L): 0.0452

~~~~~~

As ID: C156720 2.03 Seq. No.: 00011 A/S Pos.: 5 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 5

Replicate 1 Time: 14:48
Peak Area (A-s): 0.005 Peak Height (A): 0.009
B ground Pk Area (A-s): 0.033 Background Pk Height (A): 0.021
Bla k Corrected Pk Area (A-s): 0.006
Concentration (mg/L): 0.0003 Corrected Conc (mg/L): 0.0007

As ID: C156720 2.03 Seq. No.: 00012 A/S Pos.: 5 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 5
Replicate 1 Time: 14:50
Peak Area (A-s): 0.029 Peak Height (A): 0.043
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.0043 Corrected Conc (mg/L): 0.0107

Recovery is 40.8%

~~~~~~

As ID: C156722 2.03 Seq. No.: 00013 A/S Pos.: 6 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 6

~~~~~~

As ID: C156722 2.03 Seq. No.: 00014 A/S Pos.: 6 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 6
Replicate 1 Time: 14:55
Peak Area (A-s): 0.006 Peak Height (A): 0.023
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.009
Concentration (mg/L): 0.0008 Corrected Conc (mg/L): 0.0021

~~~~~~

As ID: C156722 2.03 Seq. No.: 00015 A/S Pos.: 6 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 6
Replicate 1 Time: 14:58
Peak Area (A-s): 0.066 Peak Height (A): 0.142
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.067
Concentration (mg/L): 0.0108 Corrected Conc (mg/L): 0.0266

Recovery is 99.8%

~~~~~~

As ID: C156723 1.97 Seq. No.: 00016 A/S Pos.: 7 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 7
Replicate 1 Time: 15:00
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.003
Concentration (mg/L): -0.0002 Corrected Conc (mg/L): -0.0004

~~~~~~

As   ID: C156723 1.97   Seq. No.: 00017   A/S Pos.: 7   Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 7
Replicate 1   Time: 15:03
Peak Area (A-s): 0.039   Peak Height (A): 0.089
Background Pk Area (A-s): 0.057   Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.040
Concentration (mg/L): 0.0062   Corrected Conc (mg/L): 0.0158

Recovery is 64.1%

~~~~~~

As   ID: LCS 924430   Seq. No.: 00018   A/S Pos.: 8   Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 8
Replicate 1   Time: 15:05
Peak Area (A-s): 0.125   Peak Height (A): 0.277
Background Pk Area (A-s): 0.033   Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.126
Concentration (mg/L): 0.0210   Corrected Conc (mg/L): 0.105

~~~~~~

As   ID: BLA02 924431   Seq. No.: 00019   A/S Pos.: 9   Date: 05/23/94
~~~~~~

uL dispensed: 5 from 0, 5 from 40, 20 from 9
Replicate 1 Time: 15:08
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.020
Bl- k Corrected Pk Area (A-s): 0.002
C ntration (mg/L): -0.0004

~~~~~~

As ID: AS Position 38 Seq. No.: 00020 A/S Pos.: 38 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 15:10
Peak Area (A-s): 0.119 Peak Height (A): 0.250
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.120
Concentration (mg/L): 0.0199

Check sample is within range 0.0179 - 0.0220

~~~~~~

As ID: BLA01 Seq. No.: 00021 A/S Pos.: 0 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 15:13
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): -0.0004

Check sample is within range -0.0094 - 0.0094

~~~~~~

As ID: C156504 Seq. No.: 00022 A/S Pos.: 10 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 10
Replicate 1 Time: 15:15
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): -0.0004 Corrected Conc (mg/L): -0.002

~~~~~~

As ID: C156504 Seq. No.: 00023 A/S Pos.: 10 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 10
Replicate 1 Time: 15:17
Peak Area (A-s): 0.062 Peak Height (A): 0.159
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.063
C entration (mg/L): 0.0101 Corrected Conc (mg/L): 0.050

Recovery is 104.5%

~~~~~~

s ID: DUP 504 924432 Seq. No.: 00024 A/S Pos.: 11 Date: 05/23/94

dispensed: 5 from 0, 5 from 40, 20 from 11
~~~~~~

ackground Pk Area (A-s): 0.053 Background Pk Height (A): 0.027
lank Corrected Pk Area (A-s): 0.002
oncentration (mg/L): -0.0003 Corrected Conc (mg/L): -0.002

~~~~~~

s ID: DUP 504 924432 Seq. No.: 00025 A/S Pos.: 11 Date: 05/23/94

L dispensed: 5 from 40, 5 from 39, 20 from 11
eplicate 1 Time: 15:22
eak Area (A-s): 0.062 Peak Height (A): 0.154
ackground Pk Area (A-s): 0.033 Background Pk Height (A): 0.023
lank Corrected Pk Area (A-s): 0.063
oncentration (mg/L): 0.0102 Corrected Conc (mg/L): 0.051

ecovery is 105.0%

~~~~~~

s ID: SPI 504 924433 Seq. No.: 00026 A/S Pos.: 12 Date: 05/23/94

L dispensed: 5 from 0, 5 from 40, 20 from 12
eplicate 1 Time: 15:25
eak Area (A-s): 0.123 Peak Height (A): 0.207
ackground Pk Area (A-s): 0.060 Background Pk Height (A): 0.034
lank Corrected Pk Area (A-s): 0.123
oncentration (mg/L): 0.0206 Corrected Conc (mg/L): 0.103

~~~~~~

s ID: C156503 Seq. No.: 00027 A/S Pos.: 13 Date: 05/23/94

dispensed: 5 from 0, 5 from 40, 20 from 13
icate 1 Time: 15:27
eak Area (A-s): 0.015 Peak Height (A): 0.030
Background Pk Area (A-s): 0.187 Background Pk Height (A): 0.084
lank Corrected Pk Area (A-s): 0.016

Concentration (mg/L): 0.0021

~~~~~~

As ID: C156503 Seq. No.: 00028 A/S Pos.: 13 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 13
Replicate 1 Time: 15:30
Peak Area (A-s): 0.078 Peak Height (A): 0.204
Background Pk Area (A-s): 0.189 Background Pk Height (A): 0.143
Blank Corrected Pk Area (A-s): 0.078
Concentration (mg/L): 0.0128

Recovery is 107.1%

~~~~~~

ID: C156505 Seq. No.: 00029 A/S Pos.: 14 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 14
Replicate 1 Time: 15:32
Peak Area (A-s): 0.016 Peak Height (A): 0.029
Background Pk Area (A-s): 0.149 Background Pk Height (A): 0.076
Blank Corrected Pk Area (A-s): 0.017
Concentration (mg/L): 0.0022
~~~~~~

As ID: C156505 Seq. No.: 00030 A/S Pos.: 14 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 14
Replicate 1 Time: 15:34
P Area (A-s): 0.075 Peak Height (A): 0.139
B ground Pk Area (A-s): 0.138 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.076
Concentration (mg/L): 0.0124

Recovery is 101.7%

~~~~~~

As ID: C156588 Seq. No.: 00031 A/S Pos.: 15 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 15
Replicate 1 Time: 15:37
Peak Area (A-s): 0.002 Peak Height (A): 0.011
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): -0.0003

~~~~~~

As ID: C156588 Seq. No.: 00032 A/S Pos.: 15 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 15
Replicate 1 Time: 15:39
Peak Area (A-s): 0.024 Peak Height (A): 0.045
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.024
Concentration (mg/L): 0.0035

R overy is 37.4%

Repeat 5-23-94

~~~~~~

As ID: C156530 Seq. No.: 00033 A/S Pos.: 16 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 16
Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 15:41
Peak Area (A-s): 0.942 Peak Height (A): 1.387
Background Pk Area (A-s): 0.168 Background Pk Height (A): 0.150
Blank Corrected Pk Area (A-s): 0.943
Concentration (mg/L): 0.1615

~~~~~~

As ID: C156530 Seq. No.: 00034 A/S Pos.: 16 Date: 05/23/94

uL dispensed: 21 from 0, 5 from 40, 4 from 16
S le abs. is greater than that of the largest standard.
Re icate 1 Time: 15:44
Peak Area (A-s): 0.315 Peak Height (A): 0.517
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.315
Concentration (mg/L): 0.0536 Corrected Conc (mg/L): 0.268

~~~~~~
~~~~~~

uL dispensed: 16 from 0, 5 from 40, 5 from 39, 4 from 16
Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 15:46
Peak Area (A-s): 0.377 Peak Height (A): 0.607
B ground Pk Area (A-s): 0.074 Background Pk Height (A): 0.058
B k Corrected Pk Area (A-s): 0.378
Concentration (mg/L): 0.0644 Corrected Conc (mg/L): 0.322

Recovery is 107.8%

Repeat 1:10 Jm 5/23/94

~~~~~~

As ID: AS Position 38 Seq. No.: 00036 A/S Pos.: 38 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 15:49
Peak Area (A-s): 0.123 Peak Height (A): 0.221
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.123
Concentration (mg/L): 0.0205

Check sample is within range 0.0179 - 0.0220

~~~~~~

As ID: BLA01 Seq. No.: 00037 A/S Pos.: 0 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 15:51
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.002
centration (mg/L): -0.0004

Check sample is within range -0.0094 - 0.0094

~~~~~~

As ID: BLA/530 925019 Seq. No.: 00038 A/S Pos.: 17 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 17
Replicate 1 Time: 15:53
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.0005

~~~~~~

As ID: BLA/530 925019 Seq. No.: 00039 A/S Pos.: 17 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 17
Replicate 1 Time: 15:56
k Area (A-s): 0.053 Peak Height (A): 0.141
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.054
Concentration (mg/L): 0.0086

Recovery is 90.3%

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Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 15:58
Peak Area (A-s): 0.854 Peak Height (A): 1.172
Background Pk Area (A-s): 0.196 Background Pk Height (A): 0.113
Bl--- Corrected Pk Area (A-s): 0.855
Co ntration (mg/L): 0.1463

~~~~~~

As ID: DUP/530 925020 Seq. No.: 00041 A/S Pos.: 18 Date: 05/23/94

uL dispensed: 21 from 0, 5 from 40, 4 from 18
Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 16:01
Peak Area (A-s): 0.267 Peak Height (A): 0.431
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.268
Concentration (mg/L): 0.0454 Corrected Conc (mg/L): 0.227

~~~~~~

As ID: DUP/530 925020 Seq. No.: 00042 A/S Pos.: 18 Date: 05/23/94

uL dispensed: 16 from 0, 5 from 40, 5 from 39, 4 from 18
Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 16:03
Peak Area (A-s): 0.321 Peak Height (A): 0.515
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.322
Concentration (mg/L): 0.0547 Corrected Conc (mg/L): 0.273

Recovery is 93.0%

~~~~~~

As ID: MSP/530 Seq. No.: 00043 A/S Pos.: 19 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 19
Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 16:05
Peak Area (A-s): 0.368 Peak Height (A): 0.620
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.369
Concentration (mg/L): 0.0628 Corrected Conc (mg/L): 0.314

~~~~~~

As ID: MSP/530 Seq. No.: 00044 A/S Pos.: 19 Date: 05/23/94

uL dispensed: 21 from 0, 5 from 40, 4 from 19
Replicate 1 Time: 16:08
Peak Area (A-s): 0.092 Peak Height (A): 0.160
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.093
Co ntration (mg/L): 0.0153 Corrected Conc (mg/L): 0.384

~~~~~~

As ID: MSP/530 Seq. No.: 00045 A/S Pos.: 19 Date: 05/23/94

uL dispensed: 16 from 0, 5 from 40, 5 from 39, 4 from 19
Replicate 1 Time: 16:10
Peak Area (A-s): 0.167 Peak Height (A): 0.281
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.0[illegible]
~~~~~~

Blank Corrected Pk Area (A-s): 0.167
Concentration (mg/L): 0.0281 Corrected Conc (mg/L): 0.703

Recovery is 127.6%

Repeat all 1:10 In 5/23/94

As ID: C156706 Seq. No.: 00046 A/S Pos.: 20 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 20
Replicate 1 Time: 16:13
Peak Area (A-s): 0.069 Peak Height (A): 0.131
Background Pk Area (A-s): 0.099 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.070
Concentration (mg/L): 0.0113 Corrected Conc (mg/L): 0.113

As ID: C156706 Seq. No.: 00047 A/S Pos.: 20 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 20
Replicate 1 Time: 16:15
Peak Area (A-s): 0.103 Peak Height (A): 0.242
Background Pk Area (A-s): 0.134 Background Pk Height (A): 0.126
Blank Corrected Pk Area (A-s): 0.104
Concentration (mg/L): 0.0172 Corrected Conc (mg/L): 0.172

Recovery is 59.4%

Repeat In 5/23/94

As ID: C156707 Seq. No.: 00048 A/S Pos.: 21 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 21
Replicate 1 Time: 16:18
Peak Area (A-s): 0.004 Peak Height (A): 0.009
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.014

Blank Corrected Pk Area (A-s): 0.004
Concentration (mg/L): 0.0001 Corrected Conc (mg/L): 3.98E-004

As ID: C156707 Seq. No.: 00049 A/S Pos.: 21 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 21
Replicate 1 Time: 16:20
Peak Area (A-s): 0.043 Peak Height (A): 0.091
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.044
Concentration (mg/L): 0.0069 Corrected Conc (mg/L): 0.035

Recovery is 68.3%

As ID: LCS 928321 Seq. No.: 00050 A/S Pos.: 22 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 22
Replicate 1 Time: 16:23
Peak Area (A-s): 0.119 Peak Height (A): 0.252
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.120

As ID: BLA02 928322 Seq. No.: 00051 A/S Pos.: 23 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 23
Replicate 1 Time: 16:25
Pk Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.0004

~~~~~~

As ID: AS Position 38 Seq. No.: 00052 A/S Pos.: 38 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 16:28
Peak Area (A-s): 0.119 Peak Height (A): 0.237
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.120
Concentration (mg/L): 0.0200

Check sample is within range 0.0179 - 0.0220

~~~~~~

As ID: BLA01 Seq. No.: 00053 A/S Pos.: 0 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 16:30
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.0004

Check sample is within range -0.0094 - 0.0094

~~~~~~

As ID: C156711 Seq. No.: 00054 A/S Pos.: 24 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 24
Replicate 1 Time: 16:32
Peak Area (A-s): 0.015 Peak Height (A): 0.026
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.015
Concentration (mg/L): 0.0020

~~~~~~

As ID: C156711 Seq. No.: 00055 A/S Pos.: 24 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 24
Replicate 1 Time: 16:35
Pk Area (A-s): 0.072 Peak Height (A): 0.142
Background Pk Area (A-s): 0.081 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.073
Concentration (mg/L): 0.0119

Recovery is 99.2%

~~~~~~

As ID: DUP 711 928323 Seq. No.: 00056 A/S Pos.: 25 Date: 05/23/94
~~~~~~

uL dispensed: 5 from 0, 5 from 40, 20 from 25
Replicate 1 Time: 16:38
Peak Area (A-s): 0.018 Peak Height (A): 0.028
Background Pk Area (A-s): 0.088 Background Pk Height (A): 0.034
B< Corrected Pk Area (A-s): 0.018
C entration (mg/L): 0.0025

~~~~~~

As ID: DUP 711 928323 Seq. No.: 00057 A/S Pos.: 25 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 25
Replicate 1 Time: 16:40
Peak Area (A-s): 0.073 Peak Height (A): 0.146
Background Pk Area (A-s): 0.081 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.074
Concentration (mg/L): 0.0120

Recovery is 94.8%

~~~~~~

As ID: SPI 711 928324 Seq. No.: 00058 A/S Pos.: 26 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 26
Replicate 1 Time: 16:43
Peak Area (A-s): 0.128 Peak Height (A): 0.246
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.129
Concentration (mg/L): 0.0214 Corrected Conc (mg/L): 0.107

~~~~~~

As ID: SPI 711 928324 Seq. No.: 00059 A/S Pos.: 26 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 26
Replicate 1 Time: 16:45

Peak Area (A-s): 0.146 Peak Height (A): 0.356
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.147
Concentration (mg/L): 0.0245 Corrected Conc (mg/L): 0.123

Recovery is 30.9%

~~~~~~

As ID: MSP/711 Seq. No.: 00060 A/S Pos.: 27 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 27
Replicate 1 Time: 16:48
Peak Area (A-s): 0.119 Peak Height (A): 0.219
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.119
Concentration (mg/L): 0.0198 Corrected Conc (mg/L): 0.099

~~~~~~

As ID: MSP/711 Seq. No.: 00061 A/S Pos.: 27 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 27
Replicate 1 Time: 16:50
Peak Area (A-s): 0.174 Peak Height (A): 0.358
~~~~~~

Concentration (mg/L): 0.0094   Corrected Conc (mg/L): 0.147

Recovery is 96.0%

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A   ID: C156691   Seq. No.: 00062   A/S Pos.: 28   Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 28
Replicate 1   Time: 16:52
Peak Area (A-s): 0.233   Peak Height (A): 0.412
Background Pk Area (A-s): 1.861   Background Pk Height (A): 1.221
Blank Corrected Pk Area (A-s): 0.234
Concentration (mg/L): 0.0395

Repeat 1:25 Jn 5-23-94

~~~~~~

As   ID: C156691   Seq. No.: 00063   A/S Pos.: 28   Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 28
Sample abs. is greater than that of the largest standard.
Replicate 1   Time: 16:55
Peak Area (A-s): 0.266   Peak Height (A): 0.510
Background Pk Area (A-s): 2.364   Background Pk Height (A): 1.559
Blank Corrected Pk Area (A-s): 0.267
Concentration (mg/L): 0.0452

Recovery is 57.7%

~~~~~~

As   ID: AS Position 29   Seq. No.: 00064   A/S Pos.: 29   Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 29
Replicate 1   Time: 16:57
Peak Area (A-s): 0.009   Peak Height (A): 0.015
Background Pk Area (A-s): 0.099   Background Pk Height (A): 0.090

Blank Corrected Pk Area (A-s): 0.009
Concentration (mg/L): 0.0009

~~~~~~

As   ID: AS Position 29   Seq. No.: 00065   A/S Pos.: 29   Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 29
Replicate 1   Time: 17:00
Peak Area (A-s): 0.047   Peak Height (A): 0.119
Background Pk Area (A-s): 0.025   Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.048
Concentration (mg/L): 0.0076

Recovery is 66.3%

~~~~~~

A   ID: AS Position 38   Seq. No.: 00066   A/S Pos.: 38   Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1   Time: 17:02
Peak Area (A-s): 0.118   Peak Height (A): 0.208
Background Pk Area (A-s): 0.032   Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.119
Concentration (mg/L): 0.0198
~~~~~~

Check sample is within range 0.0179 - 0.0220

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As ID: BLA01 Seq. No.: 00067 A/S Pos.: 0 Date: 05/23/94

ispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 17:05
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): -0.0004

Check sample is within range -0.0094 - 0.0094

~~~~~~

As ID: C156712 Seq. No.: 00068 A/S Pos.: 30 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 30
Replicate 1 Time: 17:07
Peak Area (A-s): 0.008 Peak Height (A): 0.014
Background Pk Area (A-s): 0.135 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.009
Concentration (mg/L): 0.0009

BAD CCV Repeat all ↓ 5-23-94

~~~~~~

As ID: C156712 Seq. No.: 00069 A/S Pos.: 30 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 30
Replicate 1 Time: 17:09
Peak Area (A-s): 0.067 Peak Height (A): 0.114
ground Pk Area (A-s): 0.137 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.068
Concentration (mg/L): 0.0109

Recovery is 100.8%

~~~~~~

As ID: C156714 Seq. No.: 00070 A/S Pos.: 31 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 31
Replicate 1 Time: 17:12
Peak Area (A-s): 0.006 Peak Height (A): 0.016
Background Pk Area (A-s): 0.236 Background Pk Height (A): 0.239
Blank Corrected Pk Area (A-s): 0.006
Concentration (mg/L): 0.0004

~~~~~~

As ID: C156714 Seq. No.: 00071 A/S Pos.: 31 Date: 05/23/94

dispensed: 5 from 40, 5 from 39, 20 from 31
Replicate 1 Time: 17:14
Peak Area (A-s): 0.065 Peak Height (A): 0.121
Background Pk Area (A-s): 0.134 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.066
Concentration (mg/L): 0.0107

Recovery is 102.7%
~~~~~~

As ID: C156178 Seq. No.: 00072 A/S Pos.: 32 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 32
Replicate 1 Time: 17:17
Peak Area (A-s): 0.167 Peak Height (A): 0.315
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.167
Concentration (mg/L): 0.0281 Corrected Conc (mg/L): 0.562

~~~~~~

As ID: C156178 Seq. No.: 00073 A/S Pos.: 32 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 32
Replicate 1 Time: 17:19
Peak Area (A-s): 0.217 Peak Height (A): 0.538
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.218
Concentration (mg/L): 0.0368 Corrected Conc (mg/L): 0.736

Recovery is 87.2%

~~~~~~

As ID: DUP01 178 Seq. No.: 00074 A/S Pos.: 33 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 33
Replicate 1 Time: 17:21
Peak Area (A-s): 0.172 Peak Height (A): 0.337
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.173
Concentration (mg/L): 0.0290 Corrected Conc (mg/L): 0.581

~~~~~~

As ID: DUP01 178 Seq. No.: 00075 A/S Pos.: 33 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 33
Replicate 1 Time: 17:24
Peak Area (A-s): 0.216 Peak Height (A): 0.535
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.216
Concentration (mg/L): 0.0365 Corrected Conc (mg/L): 0.730

Recovery is 74.7%

~~~~~~

As ID: ICV01 Seq. No.: 00076 A/S Pos.: 34 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 34
Replicate 1 Time: 17:26
Peak Area (A-s): 0.119 Peak Height (A): 0.201
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.120
Concentration (mg/L): 0.0200

~~~~~~

As ID: AS Position 38 Seq. No.: 00077 A/S Pos.: 38 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 17:29
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Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.118
Blank Corrected Pk Area (A-s): 0.094
Concentration (mg/L): 0.0155

C ck sample is out of range 0.0179 - 0.0220

As ID: BLA01 Seq. No.: 00078 A/S Pos.: 0 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 17:31
Peak Area (A-s): 0.003 Peak Height (A): 0.009
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.003
Concentration (mg/L): -0.0001

Check sample is within range -0.0094 - 0.0094

As ID: Blank Seq. No.: 00079 A/S Pos.: 0 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 17:33
Peak Area (A-s): -0.003 Peak Height (A): 0.005
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.089
Blank Corrected Pk Area (A-s): -0.003
Concentration (mg/L): -0.0011

Auto-zero performed.

As ID: Standard 1 Seq. No.: 00080 A/S Pos.: 36 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 36

Replicate 1 Time: 17:36
Peak Area (A-s): 0.033 Peak Height (A): 0.057
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.036
Concentration (mg/L): 0.0055

Standard number 1 applied. [0.0050]
Correlation coefficient: 1.00000 Slope: 7.2104 Int: -0.000

As ID: Standard 2 Seq. No.: 00081 A/S Pos.: 37 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 37
Replicate 1 Time: 17:38
Peak Area (A-s): 0.062 Peak Height (A): 0.118
kground Pk Area (A-s): 0.023 Background Pk Height (A): 0.017
ank Corrected Pk Area (A-s): 0.065
Concentration (mg/L): 0.0090

000358

Standard number 2 applied. [0.0100]
Correlation coefficient: 0.99791 Slope: 6.4834 Int: 0.001

ıL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 17:41
Peak Area (A-s): 0.119 Peak Height (A): 0.212
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.122
Co ntration (mg/L): 0.0186

Standard number 3 applied. [0.0200]
Correlation coefficient: 0.99861 Slope: 6.0292 Int: 0.003

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As ID: Standard 4 Seq. No.: 00083 A/S Pos.: 39 Date: 05/23/94

ıL dispensed: 5 from 0, 5 from 40, 20 from 39
Replicate 1 Time: 17:43
Peak Area (A-s): 0.227 Peak Height (A): 0.391
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.231
Concentration (mg/L): 0.0378

Standard number 4 applied. [0.0400]
Correlation coefficient: 0.99916 Slope: 5.6906 Int: 0.005

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As ID: AS Position 38 Seq. No.: 00084 A/S Pos.: 38 Date: 05/23/94

ıL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 17:46
Peak Area (A-s): 0.122 Peak Height (A): 0.221
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.023
Bl k Corrected Pk Area (A-s): 0.125
Co ntration (mg/L): 0.0211

Check sample is within range 0.0179 - 0.0220

~~~~~~

As ID: BLA01 Seq. No.: 00085 A/S Pos.: 0 Date: 05/23/94

ıL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 17:46
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.006
Concentration (mg/L): 0.0000

Check sample is within range -0.0094 - 0.0094

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As ID: C156712 Seq. No.: 00086 A/S Pos.: 30 Date: 05/23/94

ıL spensed: 5 from 0, 5 from 40, 20 from 30
Re cate 1 Time: 17:50
Peak Area (A-s): 0.011 Peak Height (A): 0.018
Background Pk Area (A-s): 0.136 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.015
Concentration (mg/L): 0.0016

000359

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ID: C156712 Seq. No.: 00087 A/S Pos.: 30
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uL dispensed: 5 from 40, 5 from 39, 20 from 30
Replicate 1 Time: 17:53
Peak Area (A-s): 0.061 Peak Height (A): 0.127
Background Pk Area (A-s): 0.136 Background Pk Height (A): 0.067
L ık Corrected Pk Area (A-s): 0.065
L :entration (mg/L): 0.0104

Recovery is 88.0%

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As ID: C156714 Seq. No.: 00088 A/S Pos.: 31 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 31
Replicate 1 Time: 17:55
Peak Area (A-s): 0.006 Peak Height (A): 0.012
Background Pk Area (A-s): 0.149 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.010
Concentration (mg/L): 0.0008

~~~~~~

As ID: C156714 Seq. No.: 00089 A/S Pos.: 31 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 31
Replicate 1 Time: 17:58
Peak Area (A-s): 0.059 Peak Height (A): 0.108
Background Pk Area (A-s): 0.148 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.062
Concentration (mg/L): 0.0100

Recovery is 92.5%

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As ID: C156178 Seq. No.: 00090 A/S Pos.: 32 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 32
Replicate 1 Time: 18:00
Peak Area (A-s): 0.166 Peak Height (A): 0.310
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.169
Concentration (mg/L): 0.0288 Corrected Conc (mg/L): 0.575

~~~~~~

As ID: C156178 Seq. No.: 00091 A/S Pos.: 32 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 32
Replicate 1 Time: 18:02
Peak Area (A-s): 0.180 Peak Height (A): 0.391
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.183
centration (mg/L): 0.0312 Corrected Conc (mg/L): 0.625

Recovery is 24.6%

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As ID: DUP01 178 Seq. No.: 00092 A/S Pos.: 33 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 33
~~~~~~

Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.174
Concentration (mg/L): 0.0297 Corrected Conc (mg/L): 0.594

~~~~~~

A ID: DUP01 178 Seq. No.: 00093 A/S Pos.: 33 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 33
Replicate 1 Time: 18:07
Peak Area (A-s): 0.211 Peak Height (A): 0.437
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.214
Concentration (mg/L): 0.0367 Corrected Conc (mg/L): 0.734

Recovery is 70.1%

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As ID: ICV01 Seq. No.: 00094 A/S Pos.: 34 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 34
Replicate 1 Time: 18:10
Peak Area (A-s): 0.121 Peak Height (A): 0.215
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.125
Concentration (mg/L): 0.0210

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As ID: AS Position 38 Seq. No.: 00095 A/S Pos.: 38 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 18:12
Peak Area (A-s): 0.102 Peak Height (A): 0.170
Background Pk Area (A-s): 0.246 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.105

Concentration (mg/L): 0.0175

Check sample is out of range 0.0179 - 0.0220

~~~~~~

As ID: BLA01 Seq. No.: 00096 A/S Pos.: 0 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 18:14
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.006
Concentration (mg/L): 0.0002

Check sample is within range -0.0094 - 0.0094

~~~~~~

As ID: Blank Seq. No.: 00097 A/S Pos.: 0 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 18:17
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.005

000361
~~~~~~

Auto-zero performed.

~~~~~~

A ID: Standard 1 Seq. No.: 00098 A/S Pos.: 36 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 36
Replicate 1 Time: 18:19
Peak Area (A-s): 0.030 Peak Height (A): 0.053
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.028
Concentration (mg/L): 0.0040

Standard number 1 applied. [0.0050]
Correlation coefficient: 1.00000 Slope: 5.6588 Int: -0.000

~~~~~~

As ID: Standard 2 Seq. No.: 00099 A/S Pos.: 37 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 37
Replicate 1 Time: 18:22
Peak Area (A-s): 0.058 Peak Height (A): 0.105
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.057
Concentration (mg/L): 0.0100

Standard number 2 applied. [0.0100]
Correlation coefficient: 1.00000 Slope: 5.6534 Int: 0.000

~~~~~~

As ID: Standard 3 Seq. No.: 00100 A/S Pos.: 38 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 18:24

Peak Area (A-s): 0.120 Peak Height (A): 0.190
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.118
Concentration (mg/L): 0.0209

Standard number 3 applied. [0.0200]
Correlation coefficient: 0.99971 Slope: 5.9175 Int: -0.001

~~~~~~

As ID: Standard 4 Seq. No.: 00101 A/S Pos.: 39 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 39
Replicate 1 Time: 18:27
Peak Area (A-s): 0.218 Peak Height (A): 0.360
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.032
nk Corrected Pk Area (A-s): 0.217
centration (mg/L): 0.0368

Standard number 4 applied. [0.0400]
Correlation coefficient: 0.99890 Slope: 5.4514 Int: 0.002

~~~~~~ 000362

As ID: AS Position 38 Seq. No.: 00102 A/S Pos.: 38 Date: 05/23/94
~~~~~~

Replicate 1 | Time: 18:29
Peak Area (A-s): 0.116 | Peak Height (A): 0.216
Background Pk Area (A-s): 0.027 | Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.114
Concentration (mg/L): 0.0206

Check sample is within range 0.0179 - 0.0220

As ID: BLA01 Seq. No.: 00103 A/S Pos.: 0 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 | Time: 18:32
Peak Area (A-s): 0.003 | Peak Height (A): 0.006
Background Pk Area (A-s): 0.018 | Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.0001

Check sample is within range -0.0094 - 0.0094

As ID: C156712 Seq. No.: 00104 A/S Pos.: 30 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 30
Replicate 1 | Time: 18:34
Peak Area (A-s): 0.008 | Peak Height (A): 0.0[illegible]5
Background Pk Area (A-s): 0.141 | Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.007
Concentration (mg/L): 0.0008

ID: C156712 Seq. No.: 00105 A/S Pos.: 30 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 30

Replicate 1 | Time: 18:36
Peak Area (A-s): 0.062 | Peak Height (A): 0.106
Background Pk Area (A-s): 0.144 | Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.060
Concentration (mg/L): 0.0106

Recovery is 98.2%

As ID: C156714 Seq. No.: 00106 A/S Pos.: 31 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 31
Replicate 1 | Time: 18:39
Peak Area (A-s): 0.009 | Peak Height (A): 0.014
Background Pk Area (A-s): 0.147 | Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.007
Concentration (mg/L): 0.0009

As ID: C156714 Seq. No.: 00107 A/S Pos.: 31 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 31
Replicate 1 | Time: 18:41

Blank Corrected Pk Area (A-s): 0.059
Concentration (mg/L): 0.0104

Recovery is 94.8%

~~~~~~

As ID: C156178 Seq. No.: 00108 A/S Pos.: 32 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 32
Replicate 1 Time: 18:43
Peak Area (A-s): 0.156 Peak Height (A): 0.267
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.155
Concentration (mg/L): 0.0280 Corrected Conc (mg/L): 0.559

~~~~~~

As ID: C156178 Seq. No.: 00109 A/S Pos.: 32 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 32
Replicate 1 Time: 18:46
Peak Area (A-s): 0.214 Peak Height (A): 0.399
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.212
Concentration (mg/L): 0.0386 Corrected Conc (mg/L): 0.771

Recovery is 105.9%

~~~~~~

As ID: DUP01 178 Seq. No.: 00110 A/S Pos.: 33 Date: 05/23/94

dispensed: 5 from 0, 5 from 40, 20 from 33
Replicate 1 Time: 18:48
Peak Area (A-s): 0.160 Peak Height (A): 0.277
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.027

Blank Corrected Pk Area (A-s): 0.156
Concentration (mg/L): 0.0286 Corrected Conc (mg/L): 0.573

~~~~~~

As ID: DUP01 178 Seq. No.: 00111 A/S Pos.: 33 Date: 05/23/94

uL dispensed: 5 from 40, 5 from 39, 20 from 33
Replicate 1 Time: 18:51
Peak Area (A-s): 0.217 Peak Height (A): 0.419
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.216
Concentration (mg/L): 0.0392 Corrected Conc (mg/L): 0.783

Recovery is 105.2%

~~~~~~

A_ ID: ICV01 Seq. No.: 00112 A/S Pos.: 34 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 34
Replicate 1 Time: 18:53
Peak Area (A-s): 0.125 Peak Height (A): 0.204
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.124
~~~~~~

s ID: 95 Position 38 Seq. No.: 00113 A/S Pos.: 38 Date: 05/23/94

L dispensed: 5 from 0, 5 from 40, 20 from 38
eplicate 1 Time: 18:55
e. Area (A-s): 0.112 Peak Height (A): 0.174
ackground Pk Area (A-s): 0.028 Background Pk Height (A): 0.020
lank Corrected Pk Area (A-s): 0.111
oncentration (mg/L): 0.0199

heck sample is within range 0.0179 - 0.0220

---

s ID: BLA01 Seq. No.: 00114 A/S Pos.: 0 Date: 05/23/94

L dispensed: 5 from 0, 5 from 40, 20 from 0
eplicate 1 Time: 18:58
eak Area (A-s): 0.001 Peak Height (A): 0.007
ackground Pk Area (A-s): 0.057 Background Pk Height (A): 0.122
lank Corrected Pk Area (A-s): -0.001
oncentration (mg/L): -0.0006

heck sample is within range -0.0094 - 0.0094

---

s ID: CDL Seq. No.: 00115 A/S Pos.: 35 Date: 05/23/94

L dispensed: 5 from 0, 5 from 40, 20 from 35
plicate 1 Time: 19:00
eak Area (A-s): 0.116 Peak Height (A): 0.197
ar ground Pk Area (A-s): 0.027 Backgrounds Pk Height (A): 0.022
l Corrected Pk Area (A-s): 0.115
oncentration (mg/L): 0.0206

---

s ID: AS Position 38 Seq. No.: 00116 A/S Pos.: 38 Date: 05/23/94

L dispensed: 5 from 0, 5 from 40, 20 from 38
eplicate 1 Time: 19:03
eak Area (A-s): 0.098 Peak Height (A): 0.172
ackground Pk Area (A-s): 0.050 Background Pk Height (A): 0.076
lank Corrected Pk Area (A-s): 0.096
oncentration (mg/L): 0.0173

heck sample is out of range 0.0179 - 0.0220

---

s ID: BLA01 Seq. No.: 00117 A/S Pos.: 0 Date: 05/23/94

l spensed: 5 from 0, 5 from 40, 20 from 0
R lcate 1 Time: 19:05
eak Area (A-s): 0.003 Peak Height (A): 0.011
ackground Pk Area (A-s): 0.019 Background Pk Height (A): 0.013
lank Corrected Pk Area (A-s): 0.002
oncentration (mg/L): -0.0001

heck sample is within range -0.0094 - 0.0094

As ID: Blank Seq. No.: 00118 A/S Pos.: 0 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 19:08
Peak Area (A-s): 0.001 Peak Height (A): 0.007
kground Pk Area (A-s): 0.056 Background Pk Height (A): 0.102
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.0005

Auto-zero performed.

As ID: Standard 1 Seq. No.: 00119 A/S Pos.: 36 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 36
Replicate 1 Time: 19:10
Peak Area (A-s): 0.031 Peak Height (A): 0.054
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.030
Concentration (mg/L): 0.0051

Standard number 1 applied. [0.0050]
Correlation coefficient: 1.00000 Slope: 5.9751 Int: -0.000

As ID: Standard 2 Seq. No.: 00120 A/S Pos.: 37 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 37
Replicate 1 Time: 19:12
Peak Area (A-s): 0.057 Peak Height (A): 0.092
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.015
nk Corrected Pk Area (A-s): 0.056
Concentration (mg/L): 0.0093

Standard number 2 applied. [0.0100]
Correlation coefficient: 0.99913 Slope: 5.5725 Int: 0.001

As ID: Standard 3 Seq. No.: 00121 A/S Pos.: 38 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 19:15
Peak Area (A-s): 0.107 Peak Height (A): 0.172
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.106
Concentration (mg/L): 0.0190

Standard number 3 applied. [0.0200]
Correlation coefficient: 0.99930 Slope: 5.2721 Int: 0.002

As ID: Standard 4 Seq. No.: 00122 A/S Pos.: 39 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 39
Replicate 1 Time: 19:17
Peak Area (A-s): 0.214 Peak Height (A): 0.318
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): [illegible]

Standard number 4 applied. [0.0400]
Correlation coefficient: 0.99985 Slope: 5.2890 Int: 0.002

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As ID: AS Position 38 Seq. No.: 00123 A/S Pos.: 38 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 19:20
Peak Area (A-s): 0.103 Peak Height (A): 0.170
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.102
Concentration (mg/L): 0.0190

Check sample is within range 0.0179 - 0.0220

~~~~~~

As ID: BLA01 Seq. No.: 00124 A/S Pos.: 0 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 19:22
Peak Area (A-s): 0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): -0.0004

Check sample is within range -0.0094 - 0.0094

~~~~~~

As ID: CBL Seq. No.: 00125 A/S Pos.: 35 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 35
Replicate 1 Time: 19:25
Peak Area (A-s): 0.092 Peak Height (A): 0.181

Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.104
Blank Corrected Pk Area (A-s): 0.091
Concentration (mg/L): 0.0169

~~~~~~

As ID: AS Position 38 Seq. No.: 00126 A/S Pos.: 38 Date: 05/23/94

uL dispensed: 5 from 0, 5 from 40, 20 from 38
Replicate 1 Time: 19:27
Peak Area (A-s): 0.118 Peak Height (A): 0.195
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.117
Concentration (mg/L): 0.0218

Check sample is within range 0.0179 - 0.0220

~~~~~~

As ID: BLA01 Seq. No.: 00127 A/S Pos.: 0 Date: 05/23/94

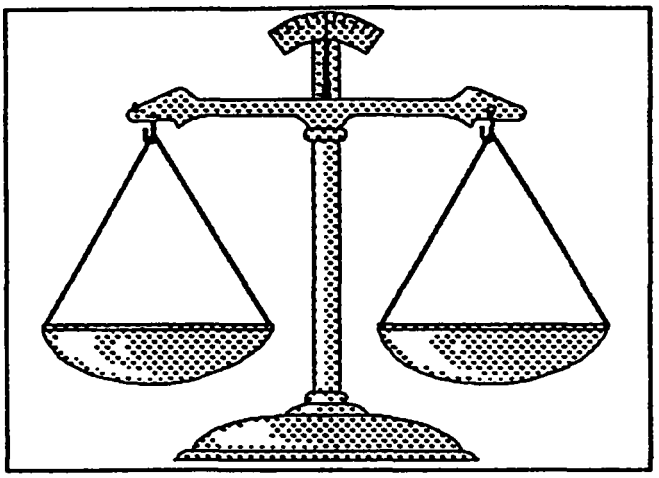
uL dispensed: 5 from 0, 5 from 40, 20 from 0
Replicate 1 Time: 19:30 000367
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): 0.000
~~~~~~

Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.0003

Ch k sample is within range -0.0094 - 0.0094

ANALYSIS RUN: R218567

RUN NUMBER: 10016



TEST: Hg 460

ANALYST: Jn 2520

DATE: 5 / 27 / 94

INSTRUMENT: ~~#2~~ #97-1

Jn 5-27-94

Reprep_____(complete)

Reprep_____(incomplete)

COMMENTS: _____

91CK1072.R6

PAGE: 1 OF 7

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER: R218567

TEST:

REVIEWER: Cls

ELEMENT: Hg 460

DATE: 5/27/

INSTRUMENT: 97 1

RECORDER: Cls

WAVELENGTH: 253.7

DATE: 5/27/9

ANALYST: Jn 2320

CALIBRATION CURVE: 0 0.0005 0.001 0.002 0.003 0.004

C.C.: 0.998

DATE: 5/27/94

ABSORBANCE: 0.001 0.013 0.025 0.051 0.077 0.110 mg/l

SLOPE: 0.037

Y INTERCEPT: 0.00004

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.053	✓	ICV01		0.002	0.00200	mg/l	0.0005	100%				
0.001	✓	Bla01			BDL							
0.027	✓	CDL		0.001	0.00109			104%				
0.056	✓	CCV		0.002	0.00211			106%				
0.000	✓	Bla01			BDL							
0.036	✓	LCS	Q927532	0.00147	0.00138	mg/l	0.0005	93%			100 mk	
0.000	✓	Bla02	Q927533		BDL		0.0005					
0.000 / 0.024	✓	C156691	M6 26.6	BDL / 0.001	BDL / 0.00043		0.005	93%		10 mk		
0.000 / 0.024	✓	dup 691	Q927534	BDL	BDL			0% rpd				
0.032	✓	Spi 691	Q927535	0.00143	BDL / 0.00123			83%				
0.055	✓	CCV		0.002	0.00205		0.0005	104%				
0.001	✓	Bla01			BDL							
0.052		~~C156706~~				Jn 7/94						Repup Sample

91CK1066.R6

000370

PAGE: 2 OF 7

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Hg 460

DATE: / /

INSTRUMENT: 97-1

RECORDER:

WAVELENGTH: 253.7

DATE: / /

ANALYST: JN 2520

CALIBRATION CURVE:

C.C.:

DATE: 5 / 27 / 94

ABSORBANCE:

SLOPE:

Y INTERCEPT:

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMEN
0.001 / 0.025	✓	C156707	MG20.6	BDL / 0.001	BDL (0.0000) / 0.00097	mg/l	0.005	97 %		10 mls	100 mls	
0.001 / 0.026	✓	C156717	MG20.6	BDL / 0.001	(0.0000) BDL / 0.00100			100 %				
0.001 / 0.027	✓	C156718		BDL / 0.001	(0.0000) BDL / 0.00104			104 %				
0.000 / 0.024	✓	C156719		BDL / 0.001	(0.0000) BDL / 0.00093			93%				
0.000 / 0.024	✓	C156708		BDL / 0.001	(0.0000) BDL / 0.00100			100 %				
0.000	✓	CCL	0.002	0.002	0.00208		0.0005	104%				
0.000	✓	Blank1			BDL							
0.034	✓	LCS	Q927520	0.00147	0.00148		0.0005	101%			100mls	
0.002	✓	Blank	Q927521		BDL							
0.001 / 0.025	✓	C156716	MG20.6	BDL / 0.001	(0.0000) BDL / 0.00094		0.005	94%		10 mls		
0.000 / 0.023	✓	dup 816	Q927522	BDL	BDL			0%exp				
0.040	✓	Spk 816	Q927523	0.00147	BDL / 0.00152			104%				
0.001 / 0.024	✓	C156763 ~~CCL~~	MG20.6	BDL / 0.001	(0.0000) BDL / 0.00097			97%				

JN 5-27-94

91CK1066.R6

00071

PAGE: 3 OF 7

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Hg 460

DATE: /

INSTRUMENT: 47-1

RECORDER:

WAVELENGTH: 253.7

DATE: / /

ANALYST: Jn 2520

CALIBRATION CURVE:

C.C.:

DATE: 5 / 27 / 94

ABSORBANCE:

SLOPE:

Y INTERCEPT:

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.051	✓	CCV		0.002	0.00193	mg/L	0.0005	96%				
0.002	✓	Blaoi			BDL							
0.040	✓	LCS	Q924472	0.00147	0.00152			103 ~~90~~% Jn 5/27/94			100 mls	
0.001	✓	Blaoz	Q924473		BDL							
0.000 / 0.025	✓	C156711	M620.6	BDL / 0.001	(0.0000) BDL / 0.00097	mg/L	0.001	97%		10 mls		
0.001 / 0.024	✓	dup 711	Q924474	BDL	BDL			0% rpd				
/ 0.034	✓	Spi 711	Q924475	0.00147	BDL / 0.0013			88%				
0.021	X	MSP 711	QC only	0.01	BDL / 0.00082			82%				QC only
0.052	✓	CCV		0.002	0.00197		0.0005	98%				
0.002	✓	Blaoi			BDL							
0.001 / 0.023	✓	C156712	M620.6	BDL / 0.00	BDL / 0.00089		0.001	89%		10 mls	100 mls	
0.001 / 0.025	✓	C156714		BDL / 0.001	BDL / 0.00097			97%				
0.001 / 0.025	✓	C156715		BDL / 0.00	BDL / 0.00097			97%				

91CK1060.R6

PAGE: 4 OF 7

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Hg 460

DATE: /

INSTRUMENT: 97-1

RECORDER:

WAVELENGTH: 253.7

DATE: / /

ANALYST: Jn 2520

CALIBRATION CURVE:

C.C.:

DATE: 5 / 27 / 94

ABSORBANCE:

SLOPE:

Y INTERCEPT:

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMEN
0.001 / 0.004	✓	C156716	BDL / 0.001	BDL 0.00007 / 0.00100		mg/L	0.005 ~~0.0001~~	100%		10 mls	100 mls	
0.052	✓	CCV		0.0022	0.00197		0.0005	95%				
0.001	✓	B1201			BDL							
0.044	✓	LCS	Q930600	0.00147	0.00167 ~~0.0017~~			114%			100 mls	
0.001	✓	Blaoz	Q930601		BDL							
0.001	✓	C156877	M120.1		BDL	mg/L	0.0005			100 mls		
0.001	✓	dup 877	Q930602	BDL	BDL			0% ep.1				
0.033	✓	Spo 877	Q930603	0.00147	BDL / 0.00126			86%				
0.055	✓	CCV		0.0022	0.00208			104%				
0.001	✓	Blaol			BDL							
0.000	✓	C156878	M120.1		BDL					100 mls	100 mls	
0.001	✓	C156881	Jn 5/27/94		BDL							
0.001	✓	C156882			BDL							

91CK1066.R6

PAGE: 5 OF 7

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Hg 460

DATE: /

INSTRUMENT: 47-1

RECORDER:

WAVELENGTH: Jn 5/27/94 ~~T~~ 253.7

DATE: / /

ANALYST: Jn 2/30

CALIBRATION CURVE:

C.C.:

DATE: 5 / 27 / 94

ABSORBANCE:

SLOPE:

Y INTERCEPT:

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMME
0.002	✓	C156 [illegible]	M120.2		BDL	mg/L	0.0005			100 mls	100 mls	
0.055	✓	CCV		0.002	0.00207			104 %				
0.000	✓	Blaol			BDL							
0.073	X	LCS	Q[illegible]	0.00147	0.00244			186 %				Repu
0.000	X	Blaol	Q[illegible]		BDL							
0.051	X	C156955	Jn 5/27/94									
0.053	✓	CCV		0.002	0.00200	mg/L	0.0005	100 %				
0.001	✓	Blaol			BDL						100 mls	
0.032	✓	LCS	Q92+536	0.00147	0.00123			83 %				
0.002	✓	Blaol	Q92+537		BDL							
0.001 / 0.024	✓	C156[illegible]	M120.6	BDL / 0.001	(0.0000) BDL / 0.00[illegible]		0.005	95 %		10 mls	100 mls	
0.001 / 0.025	✓	[illegible]	Q[illegible]	BDL	BDL		~~0.000~~ 0.005 Jn 5-27-94	0 % cpd				
0.036	✓	Spo[illegible]	Q[illegible]	0.00147	BDL / 0.00138		0.005	93 %				

91CK1068.R6

PAGE: 6 OF 7

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Hg 460

DATE: / /

INSTRUMENT: 97-1

RECORDER:

WAVELENGTH: 253.7

DATE: / /

ANALYST: Jn 2520

CALIBRATION CURVE:

C.C.:

DATE: 5 / 27 / 94

ABSORBANCE:

SLOPE:

Y INTERCEPT:

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMEN
0.049	✓	CCV		0.002	0.00185	mg/L	0.0005	93%				
0.000	✓	Blaci			BDL							
0.003 / 0.027	✓	C156588	M636.6	BDL / 0.001	(0.0001) BDL / 0.00104		0.005	104%		10 mls	100 mls	
0.004 / 0.027	✓	C156765		BDL / 0.001	(0.00018) BDL / 0.00104			104%				
0.001 / 0.024	✓	C156766		BDL / 0.001	(0.0000) BDL / 0.00093			93%				
0.001 / 0.025	✓	C156767		BDL / 0.001	(0.0000) BDL / 0.00096			97%				
0.053	✓	CCV		0.002	0.00200		0.0005	100%				
0.000	✓	Blaci			BDL							
0.001 / 0.025		C156769	M636.6	BDL / 0.001	(0.0000) BDL / 0.000966		0.005	97%		10 mls	100 mls	
0.000 / 0.026	✓	C156812		BDL / 0.001	(0.0000) BDL / 0.00100			100%				
0.000 / 0.029	✓	C156813		BDL / 0.001	(0.0000) BDL / 0.00111			111%				
0.000 / 0.024	✓	C156815		BDL / 0.001	BDL / 0.00093			93%				
0.043	✓	CCV		0.002	0.00163		0.0005	82%				

91CK1066.R6

METALS, ATOMIC SPECTROSCOPY

TEST:

ELEMENT: Hg 160

INSTRUMENT: 92-1

WAVELENGTH: 253.7

ANALYST: Jn 2520

DATE: 5 / 27 / 94

CALIBRATION CURVE:

ABSORBANCE:

REVIEWER:

DATE: / /

RECORDER:

DATE: / /

C.C.:

SLOPE:

Y INTERCEPT:

CONC.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.001	✓	Blank		BDL	BDL	mg/L	0.00005					
0.021	✓	CDL		~~0.001~~ 0.001	0.00082			82%				
				Jn 2520								

91CK1066.R6

000033

Hg Jn 5/27/94

	0	0.000	
		0.000	Z
	0	-0.001	
	5	0.013	
	1	0.025	
	2	0.051	
	3	0.077	
	4	0.110	
	2	0.053	
	0	-0.001	
	1	0.027	
	2	0.056	
	0	-0.000	
LCS	532	0.036	
Blaa2	533	0.000	
CISG	891	-0.000	
IPt	1	0.024	
dup	534	0.000	
IPt	1	0.024	
Spi2	735	0.032	
CCV	2	0.055	
Blaa1	-0.001		
CISG	706	0.052	
CISG	707	-0.001	
IPt	1	0.025	
CISG	717	0.001	
IPt	1	0.120	
	1	0.026	
CISG	718	-0.001	
IPt	1	0.027	
CISG	719	-0.000	
IPt	1	0.024	
CISG	768	0.000	
IPt	1	0.026	
CCV	2	0.055	
Blaa1	0	-0.000	
CLCS	520	0.039	
Blaa2	521	0.002	
CISG	816	0.001	
IPt	1	0.025	
dup	522	-0.000	
IPt	~~523~~	0.023	Jn 5/27/94
Spi	523	0.040	
CISG	863	0.001	
IPt	1	0.025	
CCV	2	0.051	
Blaa1	0	-0.002	
LCS	472	0.040	
Blaa2	473	-0.001	
CISG	711	-0.000	
IPt	1	0.025	
dup	474	-0.001	
IPt	~~475~~	0.027	Jn 5-27/94

Spioz	476	0.034	
spioz	2711	0.021	
ccv	2	0.052	
Blaol	0	-0.002	
C156	712	-0.001	
1pt	1	0.023	
C156	714	-0.001	
	1	0.025	1pt
C156	715	0.001	
	1	0.025	1pt
C156	716	0.001	
	11	0.026	1pt
ccv	2	0.052	
Blaol	0	-0.001	
ccs	600	0.044	
Blaoz	601	0.001	
C156	877	0.001	
dup	602	0.002	
Spi	603	0.033	
ccv	2	0.055	
Blaol	0	-0.001	
C156	878	0.000	
C156	881	0.001	
C156	882	0.001	
C156	876	0.002	
	2	0.055	ccv
	0	0.000	Blaol
ccs	604	0.073	Repeep [illegible]
Blaoz	605	-0.000	
C156	955	0.051	
ccv	2	0.053	
Blaol	0	-0.001	
ccs	536	0.032	
Blaoz	537	0.002	
C156	505	0.001	
	1	0.024	1pt
dup	538	0.001	
	1	0.025	1pt
Spioz	539	0.036	
	2	0.049	ccv
	0	0.000	Blaol
C156	588	0.003	
	1	0.027	1pt
C156	765	0.004	1pt
	1	0.027	
C156	766	-0.001	
	1	0.024	1pt
C156	767	0.001	1pt
	1	0.025	
	2	0.053	ccv
	0	-0.000	Blaol
C156	769	-0.001	
	1	0.025	1pt
C156	812	-0.000	
	1	0.026	1pt
C156	813	0.000	
	1	0.029	1pt
C156	815	0.000	
	1	0.024	1pt
ccv	2	0.043	
Blaol			

CDC 1 0.021

ANALYSIS RUN: R218569

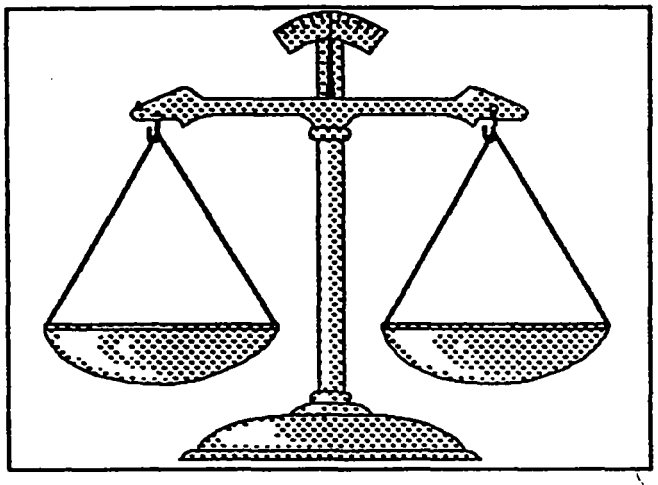
RUN NUMBER: 10019

TEST: Cd

ANALYST: Cls

DATE: 5, 27, 94

INSTRUMENT: 97-1



Reprep_____(complete)

Reprep_____(incomplete)

COMMENTS: _____

91CK1072.R6

PAGE: 1 OF 6

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER: R218569

TEST:

REVIEWER: mm

ELEMENT: Cd

1.5 0.176

DATE: 6/3/1

INSTRUMENT: 97-1

RECORDER: Cls

WAVELENGTH: 228.8

DATE: 5/27/9

ANALYST: Cls

CALIBRATION CURVE: 0 0.1 0.2 0.5 0.75 1.0 mg/l

C.C.: 0.9998

DATE: 5/27/94

ABSORBANCE: 0.000 0.013 0.025 0.062 0.091 0.120

SLOPE: 8.3

Y INTERCEPT: -0.007

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.063	✓	ICV01		0.5	0.518	mg/l	0.05	104				
0.001	✓	BLA01			BDL							
0.014	✓	CDL01		0.1	0.110			110				
0.063	✓	CCV		0.5	0.518			104				
0.001	✓	BLA01			BDL							
0.118	✓	LCS	Q928337 6 Cls 5-27-94	1.0	0.977			98				
0.001	✓	BLA02	Q928338 7 Cls 5-27-94		<0.02							
0.001 / 0.067	✓	C156691	M608.5	BDL / 0.5	0.001 / 0.551			110		50ml	50ml	
0.001 / 0.064	✓	DUP02	Q928338	BDL	BDL			∅				
0.062	✓	SPI02	Q928339	1.0	BDL / 1.02		0.10	102	1:2			
0.064	✓	CCV		0.5	0.526		0.05	105				
-0.001	✓	BLA01			BDL							
0.000 / 0.057	✓	C156706		BDL / 0.5	-0.007 / 0.468			94		50ml	50ml	

000381

91CK1066.R6

PAGE: 2 OF 6

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Cd

DATE: / /

INSTRUMENT: 97-1

RECORDER:

WAVELENGTH: 228.8

DATE: / /

ANALYST: Qw

CALIBRATION CURVE:

C.C.:

DATE: 5/27/94

ABSORBANCE:

SLOPE:

Y INTERCEPT:

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMEN
0.001 / 0.052	✓	C156707	M608.5	BDL / 0.5	0.001 / 0.426	mg/l	0.05	85		50ml	50ml	
0.001 / 0.070	✓	C156711	↓	BDL / 0.5	0.001 / 0.576	↓	↓	115		↓	↓	
0.001 / 0.064	✓	C156712	↓	BDL / 0.5	0.001 / 0.526	↓	↓	105		↓	↓	
	X	C156714										
0.064	✓	CCV		0.5	0.526	mg/l	0.05					
0.001	✓	Blk01			BDL							
0.001 / 0.067	✓	C156714	M608.5	BDL / 0.5	0.001 / 0.551			110		50ml	50ml	
0.115	✓	LCS	Q928469	1.0	0.952			95				
0.002	✓	Blk02	Q928470		<0.02							
0.062	✓	C156727	M108.1		13	mg/Kg	1.3			2.019	50ml	
0.057	✓	Dup02	Q928471	12.7	11.6	↓	↓	9.0		2.02	↓	
0.087	✓	Spk02	Q928472	25.1	12.7 / 36.1	↓	2.6	93	1:2	1.99	↓	
0.010	✓	C156728	M108.1		1.9	↓	1.3			1.97	↓	

91CK1066.R6

PAGE: 3 OF 6

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Cd

DATE: / /

INSTRUMENT: 971

RECORDER:

WAVELENGTH: 228.8

DATE: / /

ANALYST: Clo

CALIBRATION CURVE:

C.C.:

DATE: 5/27/94

ABSORBANCE:

SLOPE:

Y INTERCEPT:

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL	FINAL VOL	COMMEN
0.063	✓	LCS	Q928519	1.0	1.04	mg/l	0.10	104	1:2			
	X	BLA02	Q928520									
0.066	✓	CCV		0.5	0.543	mg/l	0.05	109				
0.001	✓	BLA01			BDL							
0.002	✓	BLA02	Q928520		<0.02							
0.002 / 0.067	✓	C1516765	M608.5	BDL / 0.5	0.009 / 0.551			110		50ml	50ml	
0.002 / 0.068	✓	D0002	Q928521	BDL	BDL			Ø				
0.064	✓	SpiØ2	Q928522	1.0	BDL / 1.05		0.10	105	1:2			
0.003 / 0.068	✓	C1516863	M608.5	BDL / 0.5	0.017 / 0.560		0.05	112				
0.000 / 0.066	✓	C1516866	5-27-94	BDL / 0.5	-0.002 / 0.543			109				
0.063	✓	CCV		1.0	1.04			104				
-0.001	✓	BLA01			BDL							
-0.001 / 0.066	✓	C1516767	M608.5	BDL / 0.5	0.016 / 0.543			109		50ml	50ml	

91CK1066.R6

PAGE: 4 OF 6

METALS, ATOMIC SPECTROSCOPY

RUN NUMBER:

TEST:

REVIEWER:

ELEMENT: Cd

DATE: / /

INSTRUMENT: 97-1

RECORDER:

WAVELENGTH: 228.8

DATE: / /

ANALYST: CS

CALIBRATION CURVE:

C.C.:

DATE: 5/27/94

ABSORBANCE:

SLOPE:

Y INTERCEPT:

ABS.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL	FINAL VOL	COMMEN
0.000 / 0.065	✓	C156768	M608.5	BDL / 0.5	-0.0002 / 0.535	mg/l	0.05	107		50ml	50ml	
-0.002 / 0.066	✓	C156769	↓	BDL / 0.5	-0.02 / 0.543	↓	↓	109		↓	↓	
-0.001 / 0.066	✓	C156812	↓	BDL / 0.5	-0.016 / 0.543	↓	↓	109		↓	↓	
0.064	✓	CCV		1.0	1.05	↓	↓	105				
-0.001	✓	B14Ø1			BDL	↓	↓					
0.000 / 0.065	✓	C156813	M608.5	BDL / 0.5	-0.002 / 0.535	↓	↓	107		50ml	50ml	
-0.000 / 0.067	✓	C156815	↓	BDL / 0.5	-0.002 / 0.551	↓	↓	110		↓	↓	
0.002 / 0.069	✓	C156816	↓	BDL / 0.5	0.009 / 0.568	↓	↓	114		↓	↓	
0.064	✓	CCV		1.0	1.05	↓	↓	105				
0.001	✓	B14Ø1			BDL	↓	✓					
0.072	✓	LCS	Q928538	1.0	1.19	↓	0.10	119	1:2			
0.001	✓	B14Ø2	Q928533		<0.02	↓	0.05					
0.003	✓	C156909	QC		BDL	mg/Kg	2.5			2.019	100ml	

91CK1066.R6

000634

METALS, ATOMIC SPECTROSCOPY

TEST:

ELEMENT: Cd

INSTRUMENT: 97-1

WAVELENGTH: 228.8

ANALYST: Cb

DATE: 5/27/94

CALIBRATION CURVE:

ABSORBANCE:

REVIEWER:

DATE: / /

RECORDER:

DATE: / /

C.C.:

SLOPE:

Y INTERCEPT:

CONC.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.003	✓	Dup02	Q928534	BDL	BDL	mg/kg	2.5	Ø		1.995	100ml	
0.064	✓	Sp02	Q928535	50.5	BDL 53.2	↓	5.0	105	1:2	1.98	↓	
0.067	✓	CCV		0.5	0.551	mg/l	0.05	110				
-0.000	✓	B1401			BDL	↓	↓					
0.036	✓	C156861	M108.1		15	mg/kg	2.5			2029	100ml	
0.003	✓	C156862	↓		BDL	↓	↓			1.97	↓	
0.003	✓	B126471	↓		BDL	↓	↓			2.00	↓	
0.004	✓	C156858	↓		BDL	↓	↓			1.98	↓	
0.004	✓	C156914	↓		BDL	↓	↓			1.99	↓	
0.066	✓	CCV		0.5	0.543	mg/l	0.05					
-0.000	✓	B1401			BDL	↓	↓					
0.014	✓	CDL01		0.1	0.110	↓	↓	110				

METALS, ATOMIC SPECTROSCOPY

TEST:

ELEMENT: Cd

INSTRUMENT: 97-1

WAVELENGTH: 228.8

ANALYST: Qs

DATE: 5/27/94

CALIBRATION CURVE:

ABSORBANCE:

REVIEWER:

DATE: / /

RECORDER:

DATE: / /

C.C.:

SLOPE:

Y INTERCEPT:

CONC.	✓	SAMPLE	TYPE	TRUE VALUE	RESULT	UNIT	DET. LIMIT	% REC.	DILUTION	WT./VOL.	FINAL VOL.	COMMENT
0.063	✓	CCV		0.5	0.518	mg/l	0.05	104				
0.000	✓	B1A01			BDL							
0.023	✓	C156177	M408.1	AVE 0.0895	0.0923							2x
0.105	X	C156177			0.0868							10x
0.038	✓	C156178	M408.1		0.155							~~20x~~ 2x
	X	C156178										10x
0.029	✓	C156257	M408.1 5-27-94	AVE 0.0233	0.0235							10x
0.056	X	C156257			0.0230							20x
0.062	✓	CCV		0.5	0.510			102				
0.001	✓	B1A01			BDL							

91CK1066.R6

		0.002 Z	
		0.001 Z	
		0.001 Z	
		0.000AV	
		-0.001	
		0.000	
		-0.000	
	0	-0.000AV	
		0.012	
		0.014	
		0.013	
	1	0.013AV	CDLØ1
		0.012	
		0.013	
		0.014	
0.	1	0.013AV	
		0.025	041394C-
		0.026	
		0.024	
0.	2	0.025AV	
		0.062	041394B
		0.062	
		0.063	
0.	5	0.062AV	042694A
		0.091	
		0.093	
		0.091	
0.	75	0.091AV	041394A
		0.121	
		0.122	
		0.119	
	1.0	0.120AV	F052394A
		0.176	
		0.175	
		0.175	
	1.5	0.176AV	F052394B
		0.063	
		0.064	
		0.062	
ICrØ1	19	0.063AV	022894B
		0.001	
		0.000	
		0.001	
BlAØ1	0	0.001AV	
		0.015	
		0.014	
		0.014	
CDLØ1	0.1	0.014AV	F050994B
		0.063	
		0.063	
		0.063	
0.	5	0.063AV	CCV
		0.001	
		0.001	
		0.002	
	0	0.001AV	BlAØ1
		0.118	
		0.118	
		0.119	
D928336		0.118AV	LCS
		0.001	
		0.001	
		0.001	
D928	337	0.001AV	BlAØ2

Cls
97-1
Cd
5-27-94

5-27-94

000387

C156	691	0.001AV	
		0.123	
		0.125	
		0.125	
	1	0.124AV	1point Range 1ppm
		0.065	
		0.067	
		0.067	
	1	0.067AV	1point 0.5 ppm
		0.121	
		0.118	
		0.118	
	338	~~0.119AV~~	ran DPS02
		0.001	
		0.001	
		0.001	
Q928	338	0.001AV	Dup02
		0.178	
		0.176	
		~~0.178~~	wrong STD
	1	0.178AV	
		0.064	
		0.063	
		0.064	
	1	0.064AV	1point 0.5ppm
		0.063	
		0.061	
		0.062	
Q928	3392	0.062AV	Sp.02 1:2
		0.064	
		0.064	
		0.064	
	0.5	0.064AV	CCV
		0.000	
		-0.001	
		-0.000	
	0	-0.000AV	BLA01
		-0.000	
		-0.000	
		0.001	
C156	706	0.000AV	
		0.046	
		0.059	
		0.065	
	1	0.057AV	1point
		0.001	
		0.001	
		0.002	
C156	707	0.001AV	
		0.044	
		0.057	
		0.055	
	1	0.052AV	
		0.002	
		0.001	
		0.001	
C156	711	0.001AV	
		0.070	
		0.070	
		0.068	
	1	0.070AV	
		0.001	
		0.001	
		0.001	

C156	712	0.001AV		
		0.077		
		0.078		
		0.021	— repeat	
	1	0.058AV		
		0.064		
		0.064		
		0.064		
	1	0.064AV	1 point	
		0.064		
		0.065		
		0.065		
	0.5	0.064AV	CCV	
		0.001		
		0.002		
		0.001		
	0	0.001AV	BlA01	
		0.001		
		0.002		
		0.001		
C156	714	0.001AV		
		0.066		
		0.067		
		0.067		
	1	0.067AV		
		0.114		
		0.115		
		0.117		
Q928	469	0.115AV	LCS	
		0.002		
		0.001		
		0.003		
Q928	470	0.002AV	BlA02	
		0.061		
		0.064		
		0.062		
C156	727	0.062AV		
		0.057		
		0.057		
		0.057		
Q928	471	0.057AV	Dup02	
		0.087		
		0.087		
		0.087		
Q928	472	0.087AV	Spi02	
		0.010		
		0.010		
		0.010		
C156	728	0.010AV		
		0.121		
		0.122		
		0.120		
Q928	519	0.121AV	LCS	Range
		0.063		
		0.062		
		0.064		
↓	2	0.063AV	1:2	
		0.065		
		0.066		
		0.066		
	0.5	0.066AV	CCV	
		0.001		
		0.002		
		-0.000		
	0	0.001AV	BlA01	

		0.003	
		0.001	
Q928	520	0.002AV	BlaØ2
		0.002	
		0.003	
		0.003	
C156	765	0.002AV	
		0.067	
		0.067	
		0.066	
	1	0.067AV	1point
		0.002	
		0.002	
		0.003	
Q928	521	0.002AV	DupØ2
		0.069	
		0.067	
		0.069	
	1	0.068AV	
		0.065	
		0.063	
		0.064	
Q928	522	0.064AV	SpiØ2
		0.003	
		0.004	
		0.003	
C156	863	0.003AV	
		0.068	
		0.069	
		0.068	
	1	0.068AV	
	0.000		
	-0.000		
C156766	0.001		
	0.000AV		
		0.065	
		0.067	
		0.066	
	1	0.066AV	1point
		0.064	
		0.063	
		0.063	
O.	5	0.063AV	CCr
		-0.000	
		-0.001	
		-0.001	
	0	-0.001AV	BlaØ1
		-0.001	
		0.000	
		-0.001	
C156	767	-0.001AV	
		0.067	
		0.065	
		0.066	
	1	0.066AV	
		0.001	
		-0.000	
		-0.001	
C156	768	0.000AV	
		0.066	
		0.065	
		0.065	
	1	0.065AV	
		-0.003	
		-0.001	

C156	769	-0.002AV	
		0.067	
		0.065	
		0.067	
	1	0.066AV	
		-0.000	
		-0.001	
		-0.001	
C156	812	-0.001AV	
		0.065	
		0.066	
		0.066	
	1	0.066AV	
		0.064	
		0.063	
		0.064	
	0.5	0.064AV	ccr
		-0.000	
		-0.001	
		-0.001	
	0	-0.001AV	B14Ø1
		-0.000	
		0.000	
		0.001	
C156	813	0.000AV	
		0.063	
		0.063	
		0.065	
	1	0.065AV	
		-0.000	
		0.000	
		-0.001	
C156	815	-0.000AV	
		0.067	
		0.067	
		0.066	
	1	0.067AV	
		0.002	
		0.003	
		0.002	
C156	816	0.002AV	
		0.069	
		0.069	
		0.069	
	1	0.069AV	
		0.065	
		0.063	
		0.065	
	0.5	0.064AV	ccr
		0.001	
		0.000	
		0.000	
	0	0.001AV	B14Ø1
		0.133	
		0.135	
		0.135	
728	532	0.135AV	LCS Range
		0.072	
		0.074	
		0.072	1:2
	5322	0.072AV	
		0.001	
		0.001	
		0.001	

Cls paper ran 0
5-27-94

000301

Cd
5-27-94
Cd
97-1

928533			BlAØ2
		0.003	
		0.003	
		0.003	
C156	909	0.003AV	
		0.003	
		0.003	
		0.004	
Q928	534	0.003AV	DupØ2
		-0.000	
		0.000	
		-0.001	
Q928	533	-0.000AV	BlAØ2
		0.120	
		0.121	
		0.121	
Q928	535	0.121AV	SpiØ2
		0.064	
		0.064	
		0.064	
	5352	0.064AV	1:2
		0.066	
		0.067	
		0.067	
	0.5	0.067AV	CCV
		-0.001	
		0.001	
		-0.001	
	0	-0.000AV	BlAØ1
		0.035	
		0.035	
		0.037	
C156	861	0.036AV	
		0.003	
		0.003	
		0.002	
C156	862	0.003AV	
		0.004	
		0.003	
		0.003	
B126	471	0.003AV	
		0.004	
		0.004	
		0.003	
C156	858	0.004AV	
		0.005	
		0.004	
		0.003	
C156	914	0.004AV	
		0.066	
		0.066	
		0.065	
	0.5	0.066AV	CCV
		-0.001	
		0.001	
		-0.000	
	0	-0.000AV	BlAØ1
		0.013	
		0.013	
		0.014	

0.1		0.014AV	CULØ1
		0.003	
		0.003	
		0.002	
	5	0.003AV	
		0.003 Z	
		0.003 Z	AZ
		0.003 Z	
		0.000AV	
		0.062	
		0.063	
		0.063	
0.	5	0.063AV	CCr
		-0.000	
		0.001	
BlAØ1		-0.000	
	~~0.5~~	0.000AV	BlAØ1
as 5-27-94		0.023	
		0.022	
		0.023	
C156	177	0.023AV	2X
		0.105	
		0.105	
		0.104	
C156	177	0.105AV	10X
		0.038	
		0.039	
		0.038	
C156	178	0.038AV	2X
		0.176	
		0.174	
		0.175	
C156	178	0.175AV	10X
		0.029	
		0.028	
		0.023	
C156	257	0.029AV	10X
		0.056	
		0.056	
		0.055	
C156	257	0.056AV	20X
		0.063	
		0.062	
		0.062	
0.	5	0.062AV	CCr
		0.002	
		0.001	
		0.001	
	0	0.001AV	BlAØ1
		-0.192	
		-0.192	
		-0.192	
	1	-0.192AV	as 5-27-94

ANALYSIS RUN: R21934

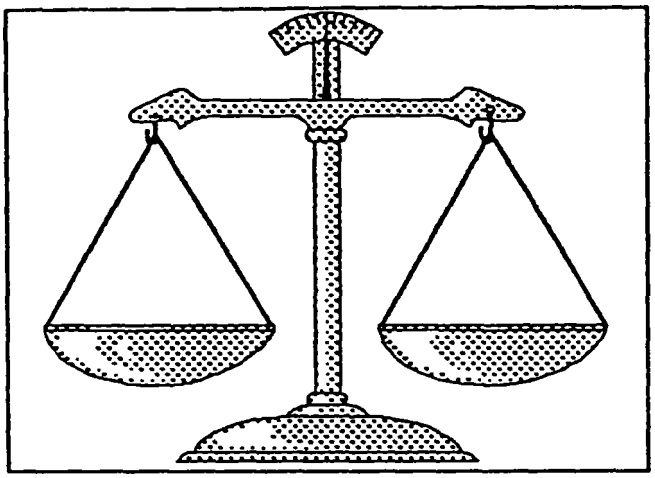
RUN NUMBER: 10029

TEST: Se 645

ANALYST: Jn 2520

DATE: 6 / 4 / 94

INSTRUMENT: #22



Reprep_____(complete)

Reprep_____(incomplete)

COMMENTS: _____

91CK1072.R6

PAGE 1 OF 5

METALS, GFAA

RUN: R219314

ANALYST: Sn 2520 REVIEWER: MMC RECORDER: DHC

DATE: 6/4/94 DATE: 6/6/94 DATE: 6/7/94

INSTRUMENT: #22 ELEMENT: Se 645 WAVELENGTH: 196.0

CAL. CURVE.:	0	0.010	0.020	0.040	0.050	mg/l
RESPONSE:	0.001	0.029 050294E	0.056 050294F	0.112 050294G	0.142 050294H	

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: 0.9999 SLOPE: 0.356 Y INTERCEPT: 0.00002

SAMPLE:	ICV01	Blao1	CDL	C156812	C156813	C156815
TYPE:	G050294B		050294F	M6286	M6286	M6286
VALUE:	0.02		0.02	BDL / 0.01	BDL / 0.01	BDL / 0.01
RESULT:	0.0214	BDL	0.0212	-0.0002 BDL / 0.0070	0.0001 BDL / 0.0067	-0.0006 BDL / 0.0065
UNITS:	mg/l	→	→	mg/l	mg/l	mg/l
DET. LIMIT:	0.010	→	→	0.025	0.025	0.025
% RECOVERY:	107%		106%	72%	66%	71%
WT/VOL:				50	50	50
FINAL VOL:				50	50	50
DILUTE:				1:5	1:5	1:5
SAMABS:	0.061	0.001	0.060	0.001	0.000	0.002
AD1ABS:				0.020	0.019	0.019
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 2 OF 5 METALS, GFAA RUN:

ANALYST: In 2520 REVIEWER: RECORDER:

DATE: 6/4/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: Se 645 WAVELENGTH: 196.0

CAL. CURVE:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	C156816	CCV	B1a01	LCS	B1a02	C156881
TYPE:	M:28.6			Q930648	Q930649	M:28.2
VALUE:	BDL 0.01 -0.0002	0.02		0.05		
RESULT:	BDL 0.0060	0.0189	BDL	0.048	BDL	BDL
UNITS:	mg/l	mg/l →		mg/l →		mg/l
DET. LIMIT:	0.025	0.010 →		0.05	0.010	0.025
% RECOVERY:	62%	95%		96%		
WT/VOL:	50					50
FINAL VOL:	50			50	50	50
DILUTE:	1:5			1:5		1:5
SAMABS:	0.001	0.054	0.000	0.027	0.000	0.001
AD1ABS:	0.017					0.023
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 3 OF 5

METALS, GFAA

RUN:

ANALYST: Jn 2520 REVIEWER: RECORDER:

DATE: 6/4/94 DATE: / / DATE: / /

INSTRUMENT: #22 ELEMENT: Se 645 WAVELENGTH: 196.0

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: ADD 2 CONC.: ADD 3 CONC.:

C.C.: SLOPE: Y INTERCEPT:

SAMPLE:	DUP02 C156881	Spi02 C156881	CCV	Blank01	C156876	C156878
TYPE:	Q9201650	Q9301651			M1252	M1252
E VALUE:	BDL	0.05	0.02			
RESULT:	BDL	BDL / 0.044	0.0196	BDL	BDL	BDL
UNITS:	mg/l	mg/l	mg/l →		mg/l	mg/l
DET. LIMIT:	0.025	0.025	0.010 →		0.025	0.025
% RECOVERY:	0% RPD	88%	98%			
WT/VOL:	50	50			50	50
FINAL VOL:	50	50			50	50
DILUTE:	1:5	1:5			1:5	1:5
SAMABS:	0.001	0.025	0.055	0.001	0.003	0.000
AD1ABS:	0.024				0.016	0.020
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 4 OF 5 | METALS, GFAA | RUN:

ANALYST: Jn 2520 | REVIEWER: | RECORDER:

DATE: 6/4/94 | DATE: / / | DATE: / /

INSTRUMENT: #22 | ELEMENT: Se 645 | WAVELENGTH: 196.0

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.: | ADD 2 CONC.: | ADD 3 CONC.:

C.C.: | SLOPE: | Y INTERCEPT:

SAMPLE:	C156882	CCV	B1a01	C156877	C156863	C156765
TYPE:	M128.2			M128.2	M128.6	→
E VALUE:		0.020			BDL 0.01	BDL 0.01
RESULT:	BDL	0.0201	BDL	BDL	-0.0002 BDL 0.00166	-0.0003 BDL 0.0073
UNITS:	mg/l	mg/l →		mg/l	mg/l	mg/l
DET. LIMIT:	0.025	0.010 →		0.025	0.05	0.05 ~~0.02~~ 3x 6-4-94
% RECOVERY:		101%			69%	76%
WT/VOL:	50			50	50	50
FINAL VOL:	50			50	50	50
DILUTE:	1:5			1:5	1:10	1:10
SAMABS:	0.000	0.057	0.0020	0.000	0.001	0.001
AD1ABS:	0.019			0.017	0.019	0.021
AD2ABS:						
AD3ABS:						
COMMENT:						

PAGE 5 OF 5

METALS, GFAA

RUN:

ANALYST: Jn 2520

REVIEWER:

RECORDER:

DATE: 6/4/94

DATE: / /

DATE: / /

INSTRUMENT: #22

ELEMENT: Se 645

WAVELENGTH: 196.0

CAL. CURVE.:

RESPONSE:

ADD 1 CONC.:

ADD 2 CONC.:

ADD 3 CONC.:

C.C.:

SLOPE:

Y INTERCEPT:

SAMPLE:	C156767	C156768	C156769	CCU	Blank	CDL
TYPE:	~~M628.6~~ BDL	~~M628.6~~ BDL	BDL			
E VALUE:	~~0.01~~ 0.0002	~~0.01~~ 0.0001	~~0.01~~ 0.0000	0.02		0.02
RESULT:	~~BDL~~ 0.0071	~~BDL~~ 0.0065	~~BDL~~ 0.0063	0.0197	BDL	0.0193
UNITS:	mg/l	mg/l	mg/l	mg/l		
DET. LIMIT:	0.05	0.05	0.05	0.010		
% RECOVERY:	70%	66%	63%	99%		97%
WT/VOL:	50	50	50			
FINAL VOL:	50	50	50			
DILUTE:	1:10	1:10	1:10			
SAMABS:	~~5~~ 0.001 Jn 6-4-94	0.000	0.000	0.056	0.001	0.054
AD1ABS:	0.020	0.019	0.018			
AD2ABS:						
AD3ABS:						
COMMENT:						

Se
Jn 6-4-94

Element File: SE32290.SEL Element: Se Wavelength: 196.0
Date: 06/04/94 Time: 14:23 Slit: 2.0
Data File: SE060494.DAT ID/Wt File: SE060494.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 32
Remark 1: THIS FILE IS TO DETERMINE SE AT 5 PPB USING STANDARDS 10,20,
Remark 2: 40 AND 50 PPB. PALLADIUM IS THE MODIFIER USED. THIS IS CLP
Remark 3: PROTOCOL.

Se ID: Blank Seq. No.: 00032 A/S Pos.: 0 Date: 06/04/94

Replicate 1 Time: 14:25
P Area (A-s): 0.003 Peak Height (A): 0.008
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): 0.0015

Auto-zero performed.

000400

Replicate 1
Peak Area (A-s): 0.33[illegible]
Background Pk Area (A-s): 0.258
Blank Corrected Pk Area (A-s): 0.033
C entration (mg/L): 0.0399

Time: 14:[illegible]
Peak Height (A): 0.064
Background Pk Height (A): 0.043

Standard number 1 applied. [0.0100]
Correlation coefficient: 1.00000

Slope: 3.2711 Int: 0.000

Se ID: Standard 2 Seq. No.: 00034 A/S Pos.: 37 Date: 06/04/94

Replicate 1
Peak Area (A-s): 0.266
Background Pk Area (A-s): [illegible]
Blank Corrected Pk Area (A-s): 0.063
Concentration (mg/L): 0.0173

Time: 14:30
Peak Height (A): 0.160
Background Pk Height (A): 0.085

Standard number 2 applied. [0.0200]
Correlation coefficient: 0.99980

Slope: 3.1618 Int: 0.000

Se ID: Standard 3 Seq. No.: 00035 A/S Pos.: 38 Date: 06/04/94

Replicate 1
Peak Area (A-s): 0.126
Background Pk Area (A-s): 0.075
Blank Corrected Pk Area (A-s): 0.124
Concentration (mg/L): 0.0390

Time: 14:33
Peak Height (A): 0.300
Background Pk Height (A): 0.114

Standard number 3 applied. [0.0400]
Correlation coefficient: 0.99985

Slope: 3.0822 Int: 0.001

000401

Se ID: Standard 4 Seq. No.: 00036 A/S Pos.: 39 Date: 06/04/94

Replicate 1 Time: 14:35
Peak Area (A-s): 0.157 Peak Height (A): 0.365
Background Pk Area (A-s): 0.088 Background Pk Height (A): 0.138
Blank Corrected Pk Area (A-s): 0.154
Concentration (mg/L): 0.0497

Standard number 4 applied. [0.0500]
Correlation coefficient: 0.99991 Slope: 3.0664 Int: 0.001

Se ID: AS Position 37 Seq. No.: 00037 A/S Pos.: 37 Date: 06/04/94

Replicate 1 Time: 14:38
Peak Area (A-s): 0.070 Peak Height (A): 0.163
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.067
Concentration (mg/L): 0.0214

Check sample is within range 0.0179 - 0.0220

Se ID: BLA01 Seq. No.: 00038 A/S Pos.: 3 Date: 06/04/94

Replicate 1 Time: 14:41
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): [illegible] Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): [illegible] 0.001
Concentration (mg/L): [illegible]

Check sample is within range [illegible] - [illegible]

Se ID: Standard 2 Seq. No.: [illegible] A/S Pos.: [illegible] Date: 06/04/94

Replicate 1 Time: [illegible]

Peak Area (A-s): 0.067 Peak Height (A): [illegible]
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.065
Concentration (mg/L): 0.0207

Standard number 2 applied. [0.0200]
Correlation coefficient: 0.99981 Slope: 3.0634 Int: 0.001

Se ID: ICV01 Seq. No.: 00040 A/S Pos.: 1 Date: 06/04/94

Replicate 1 Time: 14:47
Peak Area (A-s): 0.068 Peak Height (A): 0.163
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.066
Concentration (mg/L): 0.0210

000402

Se ID: BLA01 Seq. No.: 00041 A/S Pos.: 2 Date: 06/04/94

Replicate 1 Time: 14:49

Background Pk Area (A-s): 0.038 | Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.0007

~~~~~~

F ID: CDL Seq. No.: 00042 A/S Pos.: 3 Date: 06/04/94

Replicate 1 | Time: 14:52
Peak Area (A-s): 0.067 | Peak Height (A): 0.167
Background Pk Area (A-s): 0.055 | Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.065
Concentration (mg/L): 0.0206

~~~~~~

Se ID: AS Position 37 Seq. No.: 00043 A/S Pos.: 37 Date: 06/04/94

Replicate 1 | Time: 14:56
Peak Area (A-s): [illegible] | Peak Height (A): [illegible]
Background Pk Area (A-s): [illegible] | Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.066
Concentration (mg/L): [illegible]

Check sample is within range 0.0176 - 0.0220

~~~~~~

Se ID: [illegible] Seq. No.: 00044 A/S Pos.: 0 Date: [illegible]

Replicate 1 | Time: [illegible]
Peak Area (A-s): [illegible] | Peak Height (A): [illegible]
Background Pk Area (A-s): 0.036 | Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): [illegible]

Check sample is within range [illegible] - [illegible]

~~~~~~

Se ID: [illegible] Seq. No.: [illegible] A/S Pos.: [illegible] Date: [illegible]

Replicate 1 | Time: 15:01
Peak Area (A-s): 0.034 | Peak Height (A): 0.039
Background Pk Area (A-s): 0.351 | Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.0002 | Corrected Conc (mg/L): 1.29E-005

~~~~~~

Se ID: C156863 Seq. No.: 00046 A/S Pos.: 15 Date: 06/04/94

Replicate 1 | Time: 15:04
Peak Area (A-s): 0.018 | Peak Height (A): 0.057
Background Pk Area (A-s): 0.056 | Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.015
Concentration (mg/L): 0.0046 | Corrected Conc (mg/L): 0.046

Recovery is 45.7%

~~~~~~

Se ID: C156765 Seq. No.: 00047 A/S Pos.: 16 Date: 06/04/94

000403

Replicate 1 | Time: 15:04

Background Pk Area (A-s): 0.097 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.005
Concentration (mg/L): 0.0011 Corrected Conc (mg/L): 0.006

Se ID: C156765 Seq. No.: 00048 A/S Pos.: 16 Date: 06/04/94

Replicate 1 Time: 15:09
Peak Area (A-s): 0.031 Peak Height (A): 0.104
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.028
Concentration (mg/L): 0.0086 Corrected Conc (mg/L): 0.043

Recovery is 75.3%

Se ID: C156767 Seq. No.: 00049 A/S Pos.: 17 Date: 06/04/94

Replicate 1 Time: 15:11
Peak Area (A-s): 0.004 Peak Height (A): 0.008
Background Pk Area (A-s): [illegible] Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): [illegible] Corrected Conc (mg/L): -0.001

Se ID: C156767 Seq. No.: 00050 A/S Pos.: 17 Date: 06/04/94

Replicate 1 Time: [illegible]
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): [illegible] Background Pk Height (A): [illegible]
Blank Corrected Pk Area (A-s): 0.027
Concentration (mg/L): [illegible] Corrected Conc (mg/L): [illegible]

Recovery is 85.3%

Se ID: C156768 Seq. No.: 00051 A/S Pos.: 18 Date: 06/04/94

Replicate 1 Time: 15:[illegible]
Peak Area (A-s): 0.004 Peak Height (A): 0.009
Background Pk Area (A-s): 0.102 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.0002 Corrected Conc (mg/L): -0.001

Se ID: C156768 Seq. No.: 00052 A/S Pos.: 18 Date: 06/04/94

Replicate 1 Time: 15:19
Peak Area (A-s): 0.022 Peak Height (A): 0.075
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.019
Concentration (mg/L): 0.0057 Corrected Conc (mg/L): 0.029

Recovery is 59.2%

Se ID: AS Position 37 Seq. No.: 00053 A/S Pos.: 37 Date: 06/04/94

Replicate 1 Time: 15:22

000404

Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.050
Concentration (mg/L): 0.0170

Check sample is out of range 0.0179 - 0.0220

~~~~~~

Se ID: BLA01 Seq. No.: 00054 A/S Pos.: 0 Date: 06/04/94

Replicate 1 Time: 15:24
Peak Area (A-s): 0.004 Peak Height (A): 0.005
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.0000

Check sample is within range -0.00094 - 0.00094

~~~~~~

Se ID: AS Position 37 Seq. No.: 00055 A/S Pos.: 37 Date: 06/04/94

Replicate 1 Time: 15:27
Peak Area (A-s): 0.051 Peak Height (A): 0.077
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.050
Concentration (mg/L): 0.0178

Check sample is out of range 0.0179 - 0.0220

~~~~~~

Se ID: BLA01 Seq. No.: 0005[illegible] Date: 06/04/94

Replicate 1 Time: [illegible]
Peak Area (A-s): 0.002 Peak Height [illegible]
Background Pk Area (A-s): 0.033 Background Pk Height (A): [illegible]
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.0003

Check sample is within range -0.00094 - 0.00094

~~~~~~

Se ID: Blank Seq. No.: 00058 A/S Pos.: 0 Date: 06/04/94

Replicate 1 Time: 15:32
Peak Area (A-s): 0.004 Peak Height (A): 0.005
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.0002

Auto-zero performed.

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Se ID: Standard 1 Seq. No.: 00059 A/S Pos.: 36 Date: 06/04/94

Replicate 1 Time: 15:35
Peak Area (A-s): 0.033 Peak Height (A): 0.069
Background Pk Area (A-s): 0.164 Background Pk Height (A): 0.087
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.009[illegible]
~~~~~~

Standard number 1 applied. [0.0100]
Correlation coefficient: 1.00000 Slope: 2.9247 Int: 0.000

Se ID: Standard 2 Seq. No.: 00060 A/S Pos.: 37 Date: 06/04/94

Replicate 1 Time: 15:37
Peak Area (A-s): 0.059 Peak Height (A): 0.137
Background Pk Area (A-s): 0.093 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.056
Concentration (mg/L): [illegible]

Standard number 2 applied. [0.[illegible]]
Correlation coefficient: [illegible] Slope: 1.7889 Int: 0.000

Se ID: Standard 3 Seq. No.: [illegible] A/S Pos.: 38 Date: 06/04/94

Replicate 1 Time: 15:40
Peak Area (A-s): 0.110 Peak Height (A): 0.[illegible]
Background Pk Area (A-s): 0.093 Background Pk Height (A): 0.110
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): [illegible]

Standard number 3 applied. [illegible]
Correlation coefficient: [illegible] Slope: 1.7857 Int: 0.000

Se ID: Standard 4 Seq. No.: [illegible] A/S Pos.: 39 Date: 06/04/94

Replicate 1 Time: [illegible]
Peak Area (A-s): 0.145 Peak Height (A): 0.144
Background Pk Area (A-s): [illegible] Background Pk Height (A): [illegible]
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): [illegible]

Standard number 4 applied. [illegible]

Correlation coefficient: [illegible] Slope: 2.8343 Int: 0.000

Se ID: ICV01 Seq. No.: 00063 A/S Pos.: 1 Date: 06/04/94

Replicate 1 Time: 15:45
Peak Area (A-s): 0.064 Peak Height (A): 0.141
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.061
Concentration (mg/L): 0.0214

Se ID: BLA01 Seq. No.: 00064 A/S Pos.: 2 Date: 06/04/94

Replicate 1 Time: 15:48
Peak Area (A-s): 0.005 Peak Height (A): 0.010
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.0004

Replicate 1 Time [illegible]
Peak Area (A-s): 0.063 Peak Height (A): [illegible]
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.060
Concentration (mg/L): 0.0212

Se ID: AS Position 37 Seq. No.: 00306 A/S Pos.: 37 Date: 06/04/94

Replicate 1 Time: 16:12
Peak Area (A-s): 0.063 Peak Height (A): 0.144
Background Pk Area (A-s): 0.120 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.059
Concentration (mg/L): 0.0209

Check sample is within range 0.0179 - [illegible]

Se ID: [illegible] Seq. No.: [illegible] A/S Pos.: [illegible] Date: [illegible]

Replicate 1 Time: [illegible]
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): [illegible]

[illegible]

Se ID: [illegible] Seq. No.: [illegible] A/S Pos.: 5 Date: [illegible]

Replicate 1 Time: [illegible]
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): [illegible] Background Pk Height (A): [illegible]
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): [illegible] Corrected Conc (mg/L): [illegible]

Se ID: 0156863 Seq. No.: 00069 A/S Pos.: 15 Date: 06/04/94

Replicate 1 Time: 16:20
Peak Area (A-s): 0.010 Peak Height (A): 0.057
Background Pk Area (A-s): [illegible] Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.015
Concentration (mg/L): 0.0052 Corrected Conc (mg/L): 0.052

Recovery is 49.8%

ID: 0156765 Seq. No.: 00070 A/S Pos.: 16 Date: 06/04/94

Replicate 1 Time: 16:22
Peak Area (A-s): 0.010 Peak Height (A): 0.031
Background Pk Area (A-s): 0.123 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.006
Concentration (mg/L): 0.0021 Corrected Conc (mg/L): 0.010

Time: 16:25

Peak Area (A-s): 0.026 | Peak Height (A): 0.079
Background Pk Area (A-s): 0.081 | Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.022
Concentration (mg/L): 0.0079 | Corrected Conc (mg/L): 0.039

Recovery is 58.1%

Se ID: C156787 Seq. No.: 00072 A/S Pos.: 17 Date: 06/04/94

Replicate 1 | Time: 16:27
Peak Area (A-s): 0.304 | Peak Height (A): 0.091
Background Pk Area (A-s): 0.293 | Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.005
Concentration (mg/L): 0.0019 | Corrected Conc (mg/L): 0.009

Se ID: C156787 Seq. No.: 00073 A/S Pos.: 17 Date: 06/04/94

Replicate 1 | Time: 16:30
Peak Area (A-s): 0.311 | Peak Height (A): 0.104
Background Pk Area (A-s): 0.293 | Background Pk Height (A): [illegible]
Blank Corrected Pk Area (A-s): 0.018
Concentration (mg/L): 0.0077 | Corrected Conc (mg/L): [illegible]

Recovery is 44.3%

Se ID: [illegible] Seq. No.: [illegible] A/S Pos.: [illegible] Date: 06/04/94

Replicate 1 | Time: 16:36
Peak Area (A-s): [illegible] | Peak Height (A): [illegible]
Background Pk Area (A-s): [illegible] | Background Pk Height (A): 0.129
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): [illegible] | Corrected Conc (mg/L): 0.038

Se ID: C156788 Seq. No.: 00075 A/S Pos.: [illegible] Date: 06/04/94

Replicate 1 | Time: 16:47
Peak Area (A-s): 0.018 | Peak Height (A): 0.078
Background Pk Area (A-s): 0.042 | Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.015
Concentration (mg/L): 0.0054 | Corrected Conc (mg/L): 0.027

Recovery is 49.1%

Repeat In 2/4/94

Se ID: AS Position 37 Seq. No.: 00076 A/S Pos.: 37 Date: 06/04/94

Replicate 1 | Time: 16:38
Peak Area (A-s): 0.058 | Peak Height (A): 0.129
Background Pk Area (A-s): 0.069 | Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.054
Concentration (mg/L): 0.0191

Check sample is within range 0.0170 - 0.0220

Se ID: [illegible] Seq. No.: [illegible] A/S Pos.: 0 Date: 06/04/94

Replicate 1 Time: 16:4[illegible]
Peak Area (A-s): 0.004 Peak Height (A): 0.007
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): 0.0001

Check sample is within range 1.00394 - 0.00394

Se ID: C156788 Seq. No.: 00078 A/S Pos.: 19 Date: 06/04/94

Replicate 1 Time: 16:43
Peak Area (A-s): 0.007 Peak Height (A): 0.012
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): 0.0011 Corrected Conc (mg/L): 0.006

Se ID: C156789 Seq. No.: 00079 A/S Pos.: 19 Date: 06/04/94

Replicate 1 Time: 16:4[illegible]
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): [illegible] Background Pk Height (A): [illegible]
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): [illegible] Corrected Conc (mg/L): [illegible]

Se ID: [illegible] Seq. No.: [illegible] A/S Pos.: [illegible] Date: 06/04/94

Replicate 1 Time: [illegible]
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): 0.274 Background Pk Height (A): 0.04[illegible]

Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): -0.0001 Corrected Conc (mg/L): -0.001

Se ID: C156812 Seq. No.: 00081 A/S Pos.: 20 Date: 06/04/94

Replicate 1 Time: 16:50
Peak Area (A-s): 0.023 Peak Height (A): 0.056
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.020
Concentration (mg/L): 0.0179 Corrected Conc (mg/L): 0.035

Recovery is 71.7%

Se ID: C156813 Seq. No.: 00082 A/S Pos.: 21 Date: 06/04/94

Replicate 1 Time: 16:53
Peak Area (A-s): 0.004 Peak Height (A): 0.012
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.035

000409

e ID: C156813 Seq. No.: 00083 A/S Pos.: 21 Date: 06/04/94

eplicate 1 Time: 16:55
e[illegible] Area (A-s): 0.022 Peak Height (A): 0.063
a[illegible]round Pk Area (A-s): 0.073 Background Pk Height (A): 0.047
lank Corrected Pk Area (A-s): 0.019
[illegible]ncentration (mg/L): 0.0067 Corrected Conc (mg/L): 0.033

ecovery is 66.0%

[illegible] Seq. No.: 0008[illegible] A/S Pos.: [illegible] Date: 06/04/94

eplicate 1 Time: 16:56
[illegible] Area (A-s): [illegible] Peak Height (A): 0.027
ackground Pk Area (A-s): 0.058 Background Pk Height (A): 0.032
[illegible] Corrected Pk Area (A-s): -0.001
oncentration (mg/L): -0.0006 Corrected Conc (mg/L): -0.028

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e ID: C156815 Seq. No.: 00085 A/S Pos.: [illegible] Date: 06/04/94

eplicate 1 Time: [illegible]
eak Area (A-s): [illegible] Peak Height (A): [illegible]
ackground Pk Area (A-s): 0.05[illegible] Background [illegible]
lank Corrected Pk Area (A-s): 0.019
[illegible] [illegible]

ecovery is [illegible]

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e ID: [illegible] Seq. No.: 00086 A/S Pos.: [illegible] Date: [illegible]

eplicate 1 Time: [illegible]
eak Area (A-s): [illegible] Peak Height [illegible]

ackground Pk Area (A-s): 0.075 Background Pk Height (A): 0.035
lank Corrected Pk Area (A-s): -0.001
oncentration (mg/L): -0.0002 Corrected Conc [illegible]

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e ID: C156816 Seq. No.: 00087 A/S Pos.: [illegible] Date: 06/04/94

eplicate 1 Time: 17:05
eak Area (A-s): 0.021 Peak Height (A): 0.060
ackground Pk Area (A-s): 0.069 Background Pk Height (A): 0.042
lank Corrected Pk Area (A-s): 0.017
oncentration (mg/L): 0.0060 Corrected Conc (mg/L): 0.030

R[illegible]overy is 62.3%

---

e ID: AS Position 37 Seq. No.: 00088 A/S Pos.: 37 Date: 06/04/94

eplicate 1 Time: 17:08
eak Area (A-s): 0.057 Peak Height (A): 0.125
ackground Pk Area (A-s): 0.052 Background Pk Height (A): 0.052
lank Corrected Pk Area (A-s): 0.054

000410

Concentration (mg/L): 0.0[illegible]

Check sample is within range [illegible]

Se ID: BLA01 Seq. No.: 00089 A/S Pos.: 0 Date: 06/04/94

Replicate 1 Time: 17:11
Peak Area (A-s): 0.004 Peak Height (A): 0.006
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.[illegible]
Concentration (mg/L): 0.0001

Check sample is within range -0.00994 - 0.00994

Se ID: [illegible] Seq. No.: 00090 A/S Pos.: 24 Date: 06/04/94

Replicate 1 Time: 17:14
Peak Area (A-s): [illegible] Peak Height (A): 0.07[illegible]
Background Pk Area (A-s): 0.05[illegible] Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): [illegible] Corrected Conc (mg/L): 0.048

Se ID: BLA02 930645 Seq. No.: 00091 A/S Pos.: 25 Date: 06/04/94

Replicate 1 Time: 17:16
Peak Area (A-s): [illegible] Peak Height [illegible]
Background Pk Area (A-s): [illegible] Background [illegible]
Blank Corrected Pk Area [illegible]
Concentration [illegible]

Se ID: C156881 Seq. No.: 00092 A/S Pos.: [illegible] Date: 06/04/94

Replicate 1 Time: 17:19

Peak Area (A-s): 0.00[illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): -0.0004 Corrected Conc (mg/L): -0.002

Se ID: C156881 Seq. No.: 00093 A/S Pos.: 26 Date: 06/04/94

Replicate 1 Time: 17:21
Peak Area (A-s): 0.027 Peak Height (A): 0.076
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.023
Concentration (mg/L): 0.0082 Corrected Conc (mg/L): 0.041

Recovery is 86.2%

Se. ID: DUP 881 930650 Seq. No.: 00094 A/S Pos.: 27 Date: 06/04/94

Replicate 1 Time: 17:24

Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.0003 Corrected Conc (mg/L): 0.002

Se ID: DUP 881 930630 Seq. No.: 00095 A/S Pos.: 27 Date: 06/04/94

Replicate 1 Time: 17:27
Peak Area (A-s): 0.027 Peak Height (A): 0.079
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.024
Concentration (mg/L): 0.0004 Corrected Conc (mg/L): 0.042

Recovery is 80.8%

Se ID: [illegible] Seq. No.: [illegible] A/S Pos.: 35 Date: 06/04/94

Replicate 2 Time: [illegible]
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): 2.353 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 2.[illegible]
Concentration (mg/L): 0.0009 Corrected Conc (mg/L): 0.044

Se ID: AS Position 27 Seq. No.: [illegible] A/S Pos.: [illegible] Date: 06/04/94

Replicate 1 Time: [illegible]
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
Background Pk Area (A-s): [illegible] Background Pk Height (A): [illegible]
Blank Corrected Pk Area (A-s): 0.055
Concentration (mg/L): 0.0196

Check sample is within range 0.0179 - 0.0210

Se ID: BLA01 Seq. No.: 00093 A/S Pos.: 0 Date: 06/04/94

Replicate 1 Time: 17:[illegible]
Peak Area (A-s): 0.[illegible] Peak Height (A): 0.0[illegible]
Background Pk Area (A-s): [illegible] Background Pk Height (A): 0.0[illegible]
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L) : 0.0002

Check sample is within range -0.00994 - 0.00994

Se ID: C156876 Seq. No.: 00099 A/S Pos.: 21 Date: 06/04/94

Replicate 1 Time: 17:37
Peak Area (A-s): 0.006 Peak Height (A): 0.018
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.003
Concentration (mg/L) : 0.0010 Corrected Conc (mg/L): 0.005

Se ID: C156876 Seq. No.: 00100 A/S Pos.: 29 Date: 06/04/94

000413

Replicate 1 Time: 17:39
Peak Area (A-s): 0.019 Peak Height (A): 0.041
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.016

ackground Pk Area (A-s): 0.054 Background Pk Height (A): 0.031
lank Corrected Pk Area (A-s): 0.016
oncentration (mg/L): 0.0055 Corrected Conc (mg/L): 0.028

ecovery is 45.7%

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e ID: C156877 Seq. No.: 00101 A/S Pos.: 30 Date: 06/04/94

eplicate 1 Time: 17:42
eak Area (A-s): 0.005 Peak Height (A): 0.008
ackground Pk Area (A-s): 0.049 Background Pk Height (A): 0.022
lank Corrected Pk Area (A-s): 0.003
oncentration (mg/L): 0.0006 Corrected Conc (mg/L): 0.003

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e ID: C156877 Seq. No.: 00102 A/S Pos.: 30 Date: 06/04/94

plicate 1 Time: 17:44
eak Area (A-s): 0.014 Peak Height (A): 0.034
ckground Pk Area (A-s): 0.043 Background Pk Height (A): 0.023
lank Corrected Pk Area (A-s): 0.010
oncentration (mg/L): 0.0016 Corrected Conc (mg/L): 0.016

ecovery is 30.1% Repeat Jn 6-4-94

ID: C156878 Seq. No.: 00103 A/S Pos.: 31 Date: 06/04/94

plicate 1 Time: 17:47
eak Area (A-s): 0.004 Peak Height (A): 0.026
ground Pk Area (A-s): 0.050 Background Pk Height (A): 0.028
lank Corrected Pk Area (A-s): 0.003
oncentration (mg/L): 0.0000 Corrected Conc (mg/L): 4.50E-003

ID: C156878 Seq. No.: 00104 A/S Pos.: 31 Date: 06/04/94

eplicate 1 Time: 17:49
eak Area (A-s): 0.024 Peak Height (A): 0.067
ckground Pk Area (A-s): 0.029 Background Pk Height (A): 0.032
lank Corrected Pk Area (A-s): 0.020
oncentration (mg/L): 0.0070 Corrected Conc (mg/L): 0.035

ecovery is 70.4%

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e ID: C156882 Seq. No.: 00105 A/S Pos.: 32 Date: 06/04/94

eplicate 1 Time: 17:52
eak Area (A-s): 0.004 Peak Height (A): 0.008
ground Pk Area (A-s): 0.078 Background Pk Height (A): 0.055
lank Corrected Pk Area (A-s): -0.000
oncentration (mg/L): -0.0000 Corrected Conc (mg/L): -2.21E-004

ID: C156882 Seq. No.: 00106

Background Pk Area (A-s): [illegible] Background Pk Height [illegible]
Blank Corrected Pk Area (A-s): 0.019
Concentration (mg/L): 0.10e7 Corrected Conc (mg/L): [illegible]

R overy is 67.0%

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Replicate 1 Time: 18:13
Peak Area (A-s): 0.020 Peak Height (A): 0.049
Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.125
Blank Corrected Pk Area (A-s): 0.017
Concentration (mg/L): 0.0059 Corrected Conc (mg/L): 0.030

Recovery is 58.0%

Se ID: C156863 Seq. No.: 00113 A/S Pos.: 13 Date: 06/04/94

Replicate 1 Time: 18:16
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.0002 Corrected Conc (mg/L): -0.002

Se ID: C156863 Seq. No.: 00114 A/S Pos.: 15 Date: 06/04/94

Replicate 1 Time: [illegible]
Peak Area (A-s): 0.022 Peak Height (A): [illegible]
Background Pk Area [illegible] Background Pk Height [illegible]
Blank Corrected Pk Area [illegible] 0.016
Concentration (mg/L [illegible] Corrected Conc (mg/L [illegible]

Recovery is 68.6%

ID: [illegible] Seq. No.: 00115 A/S Pos.: [illegible] Date: 06/04/94

Replicate 1 Time: 18:21
Pk Area (A-s): 0.032 Peak Height (A): [illegible]
Background Pk Area (A-s): [illegible] Background Pk Height (A): [illegible]
Blank Corrected Pk Area [illegible] 0.021
Concentration (mg/L [illegible] Corrected Conc (mg/L [illegible] -0.033

Se ID: C156763 Seq. No.: 00116 A/S Pos.: 16 Date: 06/04/94

Replicate 1 Time: 18:24
Peak Area (A-s): 0.224 Peak Height (A): [illegible]
Background Pk Area (A-s): 0.081 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.021
Concentration (mg/L): 0.0070 Corrected Conc (mg/L): [illegible]

Recovery is 76.4%

Se ID: C156767 Seq. No.: 00117 A/S Pos.: 17 Date: 06/04/94

Replicate 1 Time: 18:26
Peak Area (A-s): 0.004 Peak Height (A): 0.007
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.0002 Corrected Conc (mg/L): 0.002

Se ID: C156767 Seq. No.: 00118 A/S Pos.: 17 Date: 06/04/94

Replicate 1 Time: [illegible]
Peak Area (A-s): 0.[illegible] Peak Height (A): 0.261
Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.020
Concentration (mg/L): 0.0071 Corrected Conc (mg/L): 0.071

Recovery is 69.5%

Se ID: C156768 Seq. No.: 00119 A/S Pos.: 18 Date: 06/04/94

Replicate 1 Time: 18:31
Peak Area (A-s): 0.[illegible] Peak Height (A): 0.[illegible]
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): -0.[illegible]
Concentration (mg/L): -0.000[illegible] Corrected Conc (mg/L): -0.001

Se ID: C156768 Seq. No.: 00120 A/S Pos.: 18 Date: 06/04/94

Replicate 1 Time: 18:34
Peak Area (A-s): 0.[illegible] Peak Height (A): 0.[illegible]
Background Pk Area (A-s): [illegible] Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.01[illegible]
Concentration (mg/L): [illegible] Corrected Conc (mg/L): [illegible]

Recovery is [illegible]

[illegible] Seq. No.: [illegible] A/S Pos.: [illegible] Date: [illegible]

Replicate 1 Time: 18:[illegible]
Peak Area (A-s): [illegible] Peak Height (A): 0.[illegible]
Background Pk Area (A-s): [illegible] Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): [illegible]
Concentration (mg/L): [illegible] Corrected Conc (mg/L): -3.13E-004

Se ID: C156768 Seq. No.: 00122 A/S Pos.: 19 Date: 06/04/94

Replicate 1 Time: 18:39
Peak Area (A-s): 0.0[illegible] Peak Height (A): 0.056
Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.018
Concentration (mg/L): 0.0063 Corrected Conc (mg/L): 0.063

Recovery is 62.9%

Se ID: AS Position 37 Seq. No.: 00123 A/S Pos.: 37 Date: 06/04/94

Replicate 1 Time: 18:41
Peak Area (A-s): 0.059 Peak Height (A): 0.130
Background Pk Area (A-s): 0.155 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.056
Concentration (mg/L): 0.0197

Check sample is within range 0.0179 - 0.0220

Se ID: BLA01 Seq. No.: 00124 A/S Pos.: 0 Date: 06/04/94

Replicate 1 Time: 18:44
Peak Area (A-s): 0.004 Peak Height (A): 0.008
ground Pk Area (A-s): 0.139 Background Pk Height (A): 0.044
Bank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.0003

Check sample is within range -0.[illegible] - [illegible]

---

s ID: [illegible] Seq. No.: 00125 A/S Pos.: 3 Date: [illegible]

Replicate 1 Time: 13:47
Peak Area (A-s): 0.054 Peak Height (A): [illegible]
Background Pk Area (A-s): 0.124 Background Pk Height (A): [illegible]
Bank Corrected Pk Area (A-s): 0.054
Concentration (mg/L): 0.0103

HERITAGE LABORATORIES, INC.
Analytical Worksheet by Sample for Run R219930

rument: ICP, SIMULTANEOUS
Analyst: KANAPILLY, SANDRA
Started: 10-JUN-94 07:30:00
Ended: 10-JUN-94 16:30:00

Reviewer: CARROLL, MELODY
Date: 13-JUN-94
File Name:

Recorder: DATA ENTRY, AUTOMATED
Date: 13-JUN-94

SAMPLE	TEST	R	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	% REC	% DIFF
B126598	M110.3	O	CHROMIUM		130		MG/KG	2.5					
	M122.3	O	NICKEL		53.		MG/KG	2.5					
B126628	M110.3	O	CHROMIUM		1700		MG/KG	2.5					
	M122.3	O	NICKEL		1900		MG/KG	2.5					
B126630	M110.3	O	CHROMIUM		22.		MG/KG	0.25					
	M122.3	O	NICKEL		98.		MG/KG	0.25					
C156878	M122.3	O	NICKEL			BDL	MG/L	0.010					
C156876	M122.3	O	NICKEL		0.90		MG/L	0.010					
C156877	M122.3	O	NICKEL		0.19		MG/L	0.010					
C156881	M122.3	O	NICKEL			BDL	MG/L	0.010					
C156882	M122.3	O	NICKEL		0.051		MG/L	0.010					
597	M108.3	O	CADMIUM			BDL	MG/KG	1.0					
	M110.3	O	CHROMIUM			BDL	MG/KG	2.0					
	M116.3	O	LEAD			BDL	MG/KG	10					
B126629	M108.3	O	CADMIUM			BDL	MG/KG	1.0					
	M110.3	O	CHROMIUM		140		MG/KG	2.0					
	M116.3	O	LEAD		54.		MG/KG	10					
B126646	M108.3	O	CADMIUM			BDL	MG/KG	1.0					
	M110.3	O	CHROMIUM		3.1		MG/KG	2.0					
	M116.3	O	LEAD			BDL	MG/KG	10					
B126649	M112.3	O	COPPER			BDL	MG/L	0.020					
C157159	M439.3	O	ZINC		0.034		MG/L	0.020					
C156257	M405.3	O	BERYLLIUM		0.0046		MG/L	0.0025					
C156177	M409.3	O	CALCIUM		17.9		MG/L	0.20					
C156178	M409.3	O	CALCIUM		53.2		MG/L	0.20					
	M418.3	O	MAGNESIUM		1.114		MG/L	0.20					
C157238	M100.3	O	STRONTIUM			BDL	MG/KG	13					
C157239	M100.3	O	STRONTIUM		37		MG/KG	13					

Added Cu results 6/20/94 after confirmation of matrix interferences w/ run from 6/20/94 3487

(runsamp.sql)

HERITAGE LABORATORIES, INC.
Analytical Worksheet by Sample for Run R219930

rument: ICP, SIMULTANEOUS
Analyst: KANAPILLY, SANDRA
Started: 10-JUN-94 07:30:00
Ended: 10-JUN-94 16:30:00

Reviewer: CARROLL, MELODY
Date: 13-JUN-94
File Name:

Recorder: DATA ENTRY, AUTOMATED
Date: 13-JUN-94

SAMPLE	TEST	R	PARAMETER	QCTYPE	RESULT	RQL	UNITS	DET. LIMIT	SOURCE	TRUE VALUE	SPIKE VALUE	% REC	% DIFF
C157240	M100.3	0	STRONTIUM			BDL	MG/KG	13					
C157241	M100.3	0	STRONTIUM		37		MG/KG	13					
C157242	M100.3	0	STRONTIUM		55		MG/KG	13					
C157243	M100.3	0	STRONTIUM			BDL	MG/KG	13					
C157068	M616.7	0	ADDITION 1		1.0		MG/L						
			DILUTION		5			1					
			LEAD		13		MG/L	0.50					
			SAMPLE		2.635		CONC						
			SAMPLE + ADD 1		3.658		CONC						
C157113	M608.7	0	ADDITION 1		1.0		MG/L						
			CADMIUM		0.32		MG/L	0.01					
			DILUTION		2								
			SAMPLE		0.1602		CONC						
			SAMPLE + ADD 1		1.104		CONC						
	M616.7	0	ADDITION 1		1.0		MG/L						
			DILUTION		2			1					
			LEAD		2.4		MG/L	0.20					
			SAMPLE		1.220		CONC						
			SAMPLE + ADD 1		2.160		CONC						

(runsamp.sql)

47 rows selected.

①

R219930

ICP

DATE 6/10/94 START TIME

ANALYST DM 3487 ENDING TIME

SAMPLE	M#	PREPPED WT./VOL	DILUTIONS	PARAMETERS	
1. STD1				Pb 0.1 ppm DL	
2. STD2				Cd 0.01 ppm DL	
3. ICV01					
4. BLA01				Rean 1856A for Cu w/second	
5. HMCS				dup to confirm matrix int.	
6. CDL01				before accepting Cu.	
7. ICS					
8. AHICS					
9. CCV					
SrICV					
11. BLA01					
12. C157113			1:2	Cd, Pb	Rack 4 #1
13. SPI01			↓	↓	
14. C157068			1:5	Pb	
15. SPI01			↓	↓	
16. B186598		26/50	1:10	Cr, ~~Cu~~, Ni, ~~Zn~~	
17. 627		↓	↓	~~Cu~~, ~~Zn~~	
18. 628			↓	Cr, ~~Cu~~, Ni, ~~Zn~~	
19. 630			—	Cr, ~~Cu~~, Ni, ~~Zn~~	
20. CCV					
21. BLA01					
22. LCS 1851A				Q933331	Rack #3 #1
23. BLA02					
24. C156878				Ni	
25. DUP					
26. SPI					
27. DPS					

000421

(2)

ICP

DATE 6/10/94 START TIME

ANALYST OM ENDING TIME

SAMPLE	M#	PREPPED WT./VOL	DILUTIONS	PARAMETERS
1. C156876				Ni ✓ Rack#3
2. 877				
3. 881				
4. 882				✓
5. CCV				
6. BLA01				
7. LCS 1856A			1:2	Q 933383 Rack#5
8. BLA02				
9. C157152		26/100		Q Carly
DUP (Zn)				
11. SPI				switched to GFAA due to low LCS value.
12. DPS				
13. B126597				As, Cd, Cr, Cu, Pb One spike passed & one failed
14. 629				Rigrep entire set.
15. 646				Cd, Cr, Cu, Pb
16. CCV				
17. BLA01				
18. LCS 1856B				Q 933388 Rack 2 #2
19. BLA02				
20. B126649				Cu ✓
21. DUP				
22. SPI				
23. DPS				
24. C157159				Zn ✓
25. ~~CCV~~ B126627		26/50	1:100	~~[illegible]~~ Cr, Ni ✓
26. ~~BLA01~~ CCV				
27. BLA01				

(3)

ICP

DATE 6/10/94 START TIME

ANALYST ENDING TIME

SAMPLE	M#	PREPPED WT./VOL	DILUTIONS	PARAMETERS
1. LCS1858A				Q933407 Sr
2. BLA02				
3. C157156		26/50	1:100	
4. DUP				
5. ~~SPI~~ Dup (1)				
6. ~~DPS~~ SPI				
7. DPS				
8. C157238				Reandil.
9. CCV				
10. BLA01				
11. C156257 #1			2:1	~~Ca, Mg~~, Be need min. split.
12. 257			10:1	
13. 257			20:1	
14. 257 #2			2:1	
15. 257			10:1	
16. 257			20:1	
17. C156177				Minerals Ca, Mg
18. 178				
19. 194				Bottle Blank
20. CCV				
21. BLA01				
22. C157238		26/50	1:100	Sr
23. 239				
24. 240				
25. 241				
26. 242				
27. 243				

ICP

DATE_____ START TIME_____

ANALYST_____ ENDING TIME_____

SAMPLE	M#	PREPPED WT./VOL	DILUTIONS	PARAMETERS
1. SDA B126628		26/50	1:50	
2. SDA C157156		26/50	1:500	
3. OCW				
4. BLA01				
5. ICSAB				
6. NHES				
7. CDL01				
8.				
9.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				

$\frac{1}{50} = \frac{x}{10}$ $\quad 50\overline{)10.0}$ .200

$\frac{1}{500} = \frac{x}{50}$ $\quad 500\overline{)50.0}$ .1

000424

HARDNESS CALCULATION

Analyst: DM

Date: 6 / 13 / 94

Reviewer: _____

Date: ___ / ___ / ___

Recorder: DM

Date: 6 / 13 / 94

Run: R220036

Test: G608.0

Sample I.D.	Ca	Mg	Hardness mg/l $CaCO_3$
C156257	76.00	—	190 mg/L CaCO3

Hardness, mg/l $CaCO_3$ = 2.497(mg/l Ca) + 4.118(mg/l Mg)

92CK1344.R6

HARDNESS CALCULATION

Analyst: OM 3487

Date: 6 / 10 / 94

Reviewer: _____

Date: ___ / ___ / ___

Recorder: DKL

Date: 6/13/94

Run: ~~R219930~~ R220036

Test: G608.0

Sample I.D.	Ca	Mg	Hardness mg/l $CaCO_3$
~~C156257~~			
C156177	17.85	23.50	141 mg/L
C156178	53.15	1.114	137 mg/L

Hardness, mg/l $CaCO_3$ = 2.497(mg/l Ca) + 4.118(mg/l Mg)

92CK1344.R6

ICP LEACHATES (1PTMSA)

Heritage Laboratories, Indianapolis

Sample C157068

Prep Run #

Analyst # GM/3487

Date : 6/10/94

QC Type

Units mg/L

Init (Wt/Vol) 50ml (G/ML)

Final (Vol) 50ml

Reviewer

Review date

Recorder DM

Record Date 6/13/94

	Ag-660	As-136	Ba-144	Cd-203	Cr-239	Cu-260	Ni-496	Pb-435	Se-645	Zn-783
Test								M616.7		
Result								13		
Corrected Result										
Spike True Value										
Sample + Spike										
Spike Recovery										
Add1 True Value								1.0		
Sample Raw Data								2.635		
Samp + Add1								3.658		
Dilution								1:5		
Detection Limit								0.50		
% Rec/RDP								102%		
849 Density										
Density Cor. Result										
Density Cor. DL.										
Comments										

Page ___ of ___

000127

ICP LEACHATES (1PTMSA)

Heritage Laboratories, Indianapolis

000128

Sample C157113
Prep Run #
Analyst /# SM/3487
Date : 6/10/94

QC Type
Units mg/L
Init (Wt/Vol) 50ml (G/ML)
Final (Vol) 50ml

Reviewer
Review date
Recorder DM
Record Date 6-13-94

	Ag-660	As-136	Ba-144	Cd-203	Cr-239	Cu-260	Ni-496	Pb-435	Se-645	Zn-783
Test				M608.7				M616.7		
Result				0.32				2.4		
Corrected Result										
Spike True Value										
Sample + Spike										
Spike Recovery										
Add1 True Value				1.0				1.0		
Sample Raw Data				0.1602				1.220		
Samp + Add1				1.104				2.160		
Dilution				1:2				1:2		
Detection Limit				0.01				0.20		
% Rec/RDP				94%				94%		
849 Density										
Density Cor. Result										
Density Cor. DL.										
Comments										

RUSH ANALYSIS FORM

Analysis: P106.1, P130.8, M604.5 (Ba), M608.5 (Cd), M610.5 (Cr), M616.5 (Pb), M630.5 (Ag), ~~P130.7~~, M603.6 (As), P131.9 + M620.6 (Hg), M628.6 (Se)

Sample #'s: C157113

Client: GESSLER, FLYNN

Date Rec'd: 6/3/94

Date Due: 6/10/94

Approved: _____

Completed: _____

Comments: _____

****

Data Entry

Recorder: _____

Date/Time: _____

Initials: _____

****

Client Notification

Contact: Mark La Rosse

Phone: (312) 580-0100

Fax: _____

Date/Time: _____

3487 4/10/94

Method: EMS2 Standard: STD1-Blank

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Avge	-.1577	-.0130	.0001	-.0002	.0065	.0028	.0014
SDev	.0015	.0005	.0150	.0003	.0012	.0003	.0000
%RSD	.9529	4.079	12020.	141.4	19.04	9.428	.0000
#1	-.1587	-.0126	.0108	.0000	.0074	.0026	.0014
#2	-.1566	-.0134	-.0105	-.0004	.0056	.0030	.0014

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.0001	.0007	.0009	.0043	.0368	.0052	.0036
SDev	.0002	.0021	.0001	.0019	.0116	.0021	.0003
%RSD	47.14	347.1	9.428	43.04	31.45	40.41	9.753
#1	.0005	.0024	.0009	.0056	.0450	.0068	.0039
#2	.0003	-.0010	.0010	.0030	.0286	.0037	.0034

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Avge	.1496	.0006	-.0107	-.0153	.0009	.0007	.0022
SDev	.0014	.0036	.0053	.0113	.0062	.0003	.0057
%RSD	.9452	644.3	49.33	74.19	707.1	38.57	262.6
#1	.1506	-.0020	-.0145	-.0233	-.0035	.0009	.0063
#2	.1486	.0031	-.0070	-.0072	.0052	.0005	-.0010

Elem	V_2924	Zn2138
Avge	.0000	.0035
SDev	.0053	.0002
%RSD	.0000	5.051
#1	.0037	.0031
#2	-.0037	.0038

Method: EMS2 Standard: STD2

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Avge	.9294	1.065	4.105	3.503	26.25	1.950	13.36
SDev	.0034	.001	.020	.002	.05	.005	.01
%RSD	.3709	.1162	.4759	.0555	.1845	.2357	.0569
#1	.9270	1.064	4.091	3.504	26.28	1.953	13.37
#2	.9319	1.066	4.119	3.501	26.22	1.946	13.36

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	3.858	4.500	1.457	6.494	.5433	.9715	2.448
SDev	.010	.000	.002	.008	.0059	.0012	.003
%RSD	.2612	.0020	.1578	.1307	1.089	.1274	.1083
#1	3.865	4.500	1.458	6.500	.5480	.9724	2.450
#2	3.851	4.500	1.455	6.488	.5396	.9706	2.446

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Avge	.7936	5.522	3.594	1.390	6.051	5.262	4.267
SDev	.0019	.006	.007	.041	.022	.001	.013
%RSD	.2450	.1105	.2041	2.969	.3623	.0235	.2962
#1	.7922	5.526	3.599	1.361	6.035	5.263	4.258
#2	.7950	5.517	3.589	1.419	6.066	5.261	4.276

Elem	V_2924	Zn2138
Avge	8.977	9.356
SDev	.028	.005
%RSD	.3141	.0557
#1	8.997	9.360
#2	8.957	9.352

Method: EMS2 Sample Name: ICV01-R Operator: SLK
Run Time: 06/10/94 07:46:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.2407	Q10.82	Q10.31	Q10.09	Q.2553	Q25.75	Q.2617
SDev	.0038	.07	.07	.08	.0042	.15	.0074
%RSD	1.592	.6825	.6803	.7805	1.635	.5728	2.829
#1	Q.2380	Q10.87	Q10.36	Q10.14	Q.2582	Q25.86	Q.2669
#2	Q.2434	Q10.77	Q10.26	Q10.03	Q.2523	Q25.65	Q.2564

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q2.540	Q1.044	Q1.277	Q5.100	Q26.38	Q26.13	Q2.554
SDev	.011	.011	.006	.029	.83	.09	.016
%RSD	.4331	1.054	.4754	.5665	3.152	.3607	.6088

#1	Q2.548	Q1.052	Q1.282	Q5.121	Q25.79	Q26.19	Q2.565
#2	Q2.533	Q1.037	Q1.273	Q5.080	Q26.96	Q26.06	Q2.543

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q37.13	Q2.589	Q2.575	Q5.008	Q10.28	1.033	Q11.45
SDev	.02	.008	.015	.005	.06	.011	.01
%RSD	.0571	.3213	.5962	.1037	.5640	1.041	.1156
#1	Q37.14	Q2.595	Q2.564	Q5.004	Q10.32	1.040	Q11.45
#2	Q37.11	Q2.583	Q2.586	Q5.012	Q10.24	1.025	Q11.44

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q2.611	Q2.594
SDev	.005	.012
%RSD	.2036	.4523
#1	Q2.614	Q2.602
#2	Q2.607	Q2.585

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/10/94 07:50:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0045	Q.1312	Q.0012	Q.0077	Q-.0002	Q.0400	Q.0004
SDev	.0037	.0062	.0046	.0035	.0006	.0131	.0036
%RSD	82.63	4.747	379.8	46.04	290.3	32.62	864.9
#1	Q-.0071	Q.1268	Q.0045	Q.0102	Q.0002	Q.0492	Q.0030
#2	Q-.0019	Q.1356	Q-.0020	Q.0052	Q-.0007	Q.0308	Q-.0022

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0031	Q.0053	Q.0060	Q.0089	Q.0645	Q.0397	Q.0008
SDev	.0025	.0022	.0006	.0015	.1350	.0145	.0004
%RSD	82.20	41.07	10.10	16.92	209.5	36.54	47.24
#1	Q.0048	Q.0037	Q.0064	Q.0078	Q.1599	Q.0295	Q.0010
#2	Q.0013	Q.0068	Q.0056	Q.0099	Q-.0310	Q.0500	Q.0005

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4[illegible]	[illegible]908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q1.195	Q.0090	Q.0460	Q.0281	Q.0052	Q.0007	Q.0186
SDev	.019	.0026	.0285	.0132	.0421	.0015	.0374
%RSD	1.590	28.57	62.05	46.85	814.6	212.3	201.3
#1	Q1.181	Q.0108	Q.0662	Q.0374	Q.0349	Q.0018	Q.0450
#2	Q1.208	Q.0072	Q.0258	Q.0188	Q-.0246	Q-.0004	Q-.0079

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0029	Q.0011

SDev	.0031	.0016
%RSD	106.8	147.3
#1	Q.0052	Q.0022
#2	Q.0007	Q-.0000

Method: EMS2 Sample Name: HMCS-R Operator: SLK
Run Time: 06/10/94 07:54:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.982	9.927	9.894	9.930	9.924	9.914	9.931
SDev	.004	.028	.050	.004	.001	.003	.016
%RSD	.2260	.2770	.5040	.0432	.0116	.0274	[illegible]
#1	1.979	9.908	9.859	9.927	9.921	9.912	9.919
#2	1.985	9.947	9.930	9.933	9.927	9.916	9.942

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.929	9.939	9.919	9.926	9.978	9.917	9.928
SDev	.001	.011	.001	.004	.167	.008	.002
%RSD	.0142	.1067	.0429	.0372	1.670	.0811	.0219
#1	9.928	9.932	[illegible]				
#2	9.930	9.947	9.922	9.924	9.860	9.911	9.929

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.898	9.939	9.878	1.993	9.877	9.932	9.824
SDev	.074	.014	.007	.025	.031	.001	.081
%RSD	.7455	.1425	.0732	1.273	.3166	.0102	.8214
#1	9.950	9.919	9.883	2.011	9.899	9.931	9.766
#2	9.846	9.929	9.873	1.975	9.855	9.933	9.881

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	9.926	9.915
SDev	.015	.001
%RSD	.1492	.0118
#1	9.916	9.916
#2	9.936	9.915

Method: EMS2 Sample Name: CDL01-R Operator: SLK
Run Time: 06/10/94 07:58:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0404	Q.2748	Q.1676	Q.0419	.0236	.1121	.0259

SDev	.0058	.0025	.0278	.0020	.0028	.0024	.0036
%RSD	14.29	.9057	16.61	4.814	11.71	2.154	14.06
#1	.0444	Q.2766	Q.1479	Q.0434	.0255	.1104	.0285
#2	.0363	Q.2731	Q.1873	Q.0405	.0216	.1138	.0233

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2142	.0532	.1206	Q.1072	Q.4999	.1444	.0652
SDev	.0009	.0020	.0036	.0000	.1105	.0190	.0040
%RSD	.4271	3.687	3.020	.0028	22.10	13.16	6.102
#1	.2149	.0546	.1181	Q.1072	Q.5780	.1310	.0680
#2	.2136	.0518	.1232	Q.1072	Q.4218	.1573	.0624

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.8057	.1821	.1459	.2925	Q.1301	.0046	Q.2051
SDev	.0171	.0016	.0005	.0340	.0218	.0024	.0056
%RSD	2.120	.8770	.3664	8.463	16.71	50.86	2.740
#1	Q.8178	.1832	.1455	.3100	Q.1155	.0063	Q.2011
#2	Q.7936	.1810	.1462	.2750	Q.1447	.0030	Q.2091

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.2138	.0870
SDev	.0032	.0018
%RSD	1.519	2.087
#1	.2161	.0882
#2	.2115	.0857

Method: EMS2 Sample Name: ICS-R Operator: SLK
Run Time: 06/10/9[illegible] 08:02:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	[illegible]	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9851	526.6	.0411	.5055	.4694	478.6	.9316
SDev	.0023	.3	.0304	.0010	.0008	.3	.0029
%RSD	.2336	.0645	73.97	.1997	.1591	.0666	.3148
#1	.9868	526.8	.0626	.5048	.4699	478.4	.9337
#2	.9835	526.3	.0196	.5062	.4689	478.8	.9296

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4684	.5016	.4950	189.3	-.1753	503.0	.4829
SDev	.0025	.0027	.0000	.1	.2316	.3	.0011
%RSD	.5394	.5488	.0000	.0450	132.1	.0564	.2260
#1	.4666	.5035	.4950	189.3	-.0115	503.2	.4821
#2	.4701	.4997	.4950	189.4	-.3391	502.8	.4836

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14.48	.9423	.9390	-.2536	-.0218	.0001	.1040
SDev	.02	.0005	.0024	.0166	.0034	.0000	.0104
%RSD	.1504	.0514	.2532	6.547	15.42	7.920	9.951
#1	14.47	.9427	.9373	-.2418	-.0242	.0001	.0967
#2	14.50	.9420	.9407	-.2653	-.0191	.0001	.1114

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4936	.9970
SDev	.0031	.0040
%RSD	.6368	.3981
#1	.4914	.9942
#2	.4958	.9998

Method: EMS2 Sample Name: ALT[illegible] Operator: SLK
Run Time: 06/10/94 08:06:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q0.0286	Q7.492	1.031	Q.0051	Q.0016	Q.3226	Q0.0203
SDev	.0008	.112	.026	.0008	.0001	.1115	.0027
%RSD	2.744	1.496	2.529	14.14	6.188	34.57	13.44
#1	Q0.0280	Q7.571	1.053	Q.0059	Q.0017	Q.4015	Q0.0222
#2	Q0.0292	Q7.412	1.010	Q.0048	Q.0016	Q.2438	Q0.0183

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q0.0152	Q101.9	Q103.7	Q.2356	.1547	Q.2983	Q103.8
SDev	.0026	.3	.1	.0453	.2232	.1353	.3
%RSD	16.80	.2807	.1387	19.21	144.3	45.34	.2673
#1	Q0.0170	Q102.1	Q103.8	Q.2676	.3125	Q.3948	Q104.0
#2	Q0.0134	Q101.7	Q103.6	Q.2036	-.0031	Q.2027	Q103.5

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.890	Q102.0	Q.0129	1.380	1.061	1.043	.5065
SDev	.011	.1	.0449	.038	.020	.003	.0776
%RSD	.3652	.0981	348.0	2.734	1.846	.2736	15.31
#1	2.897	Q102.1	Q-.0188	1.407	1.075	1.045	.5614
#2	2.882	Q101.9	Q.0447	1.353	1.047	1.041	.4517

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q101.0	Q-.0063
SDev	.3	.0025
%RSD	.2649	39.71

#1	Q101.2	Q-.0045
#2	Q100.8	Q-.0081

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/10/94 08:09:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.022	5.237	5.132	5.113	5.026	5.126	5.173
SDev	.001	.008	.023	.010	.001	.026	.013
%RSD	.0665	.1436	.4444	.1974	.0101	.5134	.2610
#1	1.022	5.231	5.116	5.120	5.026	5.145	5.182
#2	1.023	5.242	5.148	5.106	5.025	5.107	5.163

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.157	5.201	5.186	5.149	5.080	5.167	5.171
SDev	.002	.022	.031	.003	.302	.023	.032
%RSD	.0479	.4223	.5972	.0550	7.523	.4418	.6224
#1	5.159	5.216	5.208	5.151	5.3[illegible]	5.1[illegible]	5.194
#2	5.156	5.185	5.164	5.147	4.809	5.150	5.148

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.242	5.175	5.123	1.043	5.135	5.122	5.133
SDev	.002	.026	.009	.037	.011	.006	.004
%RSD	.0404	.5117	.1731	3.539	.2019	.1211	.0833
#1	5.241	5.193	5.130	1.069	5.127	5.127	5.130
#2	5.244	5.156	5.117	1.017	[illegible]	5.118	5.136

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.171	5.142
SDev	.044	.002
%RSD	.8487	.0439
#1	5.202	5.144
#2	5.140	5.141

Method: EMS2 Sample Name: SR ICV01 Operator:
Run Time: 06/10/94 08:15:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0066	L-.4658	-.0067	.0000	-.0003	-.1286	-.0022
SDev	.0039	.0316	.0063	.0008	.0001	.0021	.0014
%RSD	58.81	6.780	93.56	.0000	43.24	1.664	63.03

#1	-.0093	L-.4881	-.0111	-.0005	-.0002	-.1301	-.0032
#2	-.0038	L-.4434	-.0023	.0005	-.0004	-.1271	-.0012

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	-.0002	-.0000	.0005	-.0918	.0033	.0003
SDev	.0016	.0002	.0030	.0008	.3069	.0190	.0004
%RSD	76.94	78.93	869e6	167.4	334.4	580.9	141.6

#1	-.0032	-.0001	-.0021	-.0001	.1253	.0167	-.0000
#2	-.0009	-.0004	.0021	.0011	L-.3088	-.0102	.0005

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-2.213	L-.0155	-.0316	L-.1159	.0013	5.015	.0035
SDev	.016	.0038	.0154	.0692	.0241	.028	.0113
%RSD	.7224	24.57	18.76	59.75	1795.	.5491	173.0

#1	L-2.202	L-.0182	-.0124	L-.0669	-.0157	5.065	.0145
#2	L-2.225	L-.0128	-.0207	L-.1648	.0184	5.025	-.0015

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	L-.0206	-.0013
SDev	.0027	.0010
%RSD	12.86	81.20

#1	L-.0187	-.0020
#2	L-.0225	-.0005

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/10/91 08:20:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	B_3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0008	Q.1880	Q-.0022	Q.0004	Q-.0009	Q.0392	Q-.0010
SDev	.0093	.0310	.0170	.0003	.0000	.0085	.0004
%RSD	1171.	16.48	759.1	70.71	3.588	21.61	21.22

#1	Q-.0058	Q.1661	Q-.0142	Q.0002	Q-.0010	Q.0332	Q-.0016
#2	Q.0074	Q.2100	Q.0098	Q.0005	Q-.0009	Q.0452	Q-.0022

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0024	Q.0038	Q.0030	Q.0099	Q.0632	Q.0244	Q-.0020
SDev	.0016	.0059	.0024	.0052	.2245	.0019	.0000
%RSD	65.92	157.3	80.81	52.16	355.1	7.706	.0021

#1	Q.0013	Q-.0004	Q.0013	Q.0063	Q.2220	Q.0230	Q-.0020
#2	Q.0036	Q.0079	Q.0047	Q.0136	Q-.0955	Q.0257	Q-.0020

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q1.517	Q.0052	Q.0626	Q.0230	Q.0104	Q.0048	Q.0097

SDev	.112	.0043	.0109	.0172	.0028	.0022	.0470
%RSD	7.405	83.50	17.43	74.73	26.60	45.98	482.2
#1	Q1.437	Q.0021	Q.0548	Q.0109	Q.0085	Q.0063	Q-.0235
#2	Q1.596	Q.0083	Q.0703	Q.0352	Q.0124	Q.0032	Q.0430

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0030	Q-.0012
SDev	.0001	.0002
%RSD	4.228	13.33
#1	Q.0029	Q-.0014
#2	Q.0031	Q-.0011

Method: EMS2 Sample Name: C157113 1:2 Operator: SLK
Run Time: 06/10/94 08:31.58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0051	2.116	.0026	3.917	-.0006	132.6	.1602
SDev	.0027	.001	.0098	.007	.0001	.2	.0003
%RSD	52.38	.0412	378.6	.1804	11.65	.1161	.1615
#1	-.0070	2.116	-.0044	3.912	-.0006	132.5	.1600
#2	-.0032	2.117	.0095	3.922	-.0007	132.7	.1604

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0516	.0082	.0408	14.91	6.978	12.03	1.611
SDev	.0030	.0020	.0120	.02	.026	.02	.000
%RSD	5.787	23.75	26.80	.1618	4.671	.1724	.0000
#1	.0537	[illegible]	.0485	14.89	6.748	12.02	1.611
#2	.0495	.0069	.0331	14.93	7.209	12.05	1.611

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	854.1	.2416	1.220	-.0404	-.0020	.5295	.0038
SDev	1.3	.0013	.025	.0223	.0069	.0007	.0288
%RSD	.1533	.5305	2.053	55.28	349.8	.1266	748.1
#1	853.2	.2407	1.203	-.0246	-.0068	.5291	-.0165
#2	855.0	.2425	1.238	-.0561	.0029	.5300	.0242

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0020	41.65
SDev	.0029	.04
%RSD	148.3	.1073
#1	-.0041	41.62
#2	.0001	41.68

Method: EMS2 Sample Name: SPI01 C157113 Operator: SLK
Run Time: 06/10/94 08:35:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8839	3.051	.9441	4.699	.9045	129.1	1.104
SDev	.0017	.013	.0049	.024	.0036	.5	.014
%RSD	.1889	.4348	.5135	.5136	.3983	.4008	1.263
#1	.8827	3.042	.9407	4.716	.9070	129.1	1.114
#2	.8851	3.060	.9475	4.681	.9019	128.7	1.094

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9932	.9646	.9875	15.37	15.87	12.59	2.488
SDev	.0011	.0045	.0127	.06	.16	.03	.009
%RSD	.1155	.4689	1.291	.4205	.9827	.2651	.3488
#1	.9924	.9678	.9785	15.41	15.93	12.61	2.494
#2	.9940	.9614	.9965	15.32	15.76	12.56	2.482

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	826.8	1.170	2.160	1.018	.9282	.5113	.0941
SDev	3.6	.000	.002	.014	.0145	.0015	.0571
%RSD	.4350	.0410	.0698	1.340	1.558	.2948	5.749
#1	829.3	1.170	2.159	1.027	.9180	.5124	.0537
#2	824.2	1.170	2.161	1.008	.9384	.5103	1.035

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.9544	11.21
SDev	.0043	.08
%RSD	.4449	.1829
#1	.9574	11.27
#2	.9514	11.16

Method: EMS2 Sample Name: C157068 1:5 Operator: SLK
Run Time: 06/10/94 08:39:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	.8855	.0115	2.361	-.0005	26.78	.0022
SDev	.0034	.0298	.0202	.013	.0003	.11	.0016
%RSD	165.4	3.366	176.5	.5450	51.06	.4261	75.59
#1	.0003	.8645	.0258	2.352	-.0003	26.70	.0034
#2	-.0045	.9066	-.0028	2.370	-.0007	26.86	.0010

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	.0060	.0039	.0498	4.272	6.128	.0853
SDev	.0021	.0008	.0061	.0041	.151	.043	.0022
%RSD	67.13	13.16	157.1	8.210	3.530	.7087	2.546
#1	.0045	.0054	-.0004	.0527	4.379	6.097	.0868
#2	.0016	.0065	.0082	.0469	4.166	6.158	.0837

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	335.2	.0085	2.635	.0488	-.0020	.0797	.0172
SDev	.7	.0035	.003	.0429	.0130	.0010	.0054
%RSD	.2094	41.88	.1020	87.81	662.4	[illegible]	31.10
#1	334.7	.0110	2.633	.0791	-.0112	.0790	.0124
#2	335.7	.0060	2.637	.0185	.0072	.0804	.0210

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0025	2.509
SDev	.0000	.000
%RSD	.0660	.0113
#1	.0025	2.509
#2	.0025	2.510

Method: EMS2 Sample Name: SPI01 C157068 Operator: SLK
Run Time: 06/10/94 08:42:54
Comment:
Mode: CONC Conv. Factor: 1

Elem	Ag3280	Al3082	As1938	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9385	1.937	.9906	3.264	.9520	26.95	1.013
SDev	.0057	.024	.0221	.032	.0069	.22	.008
%RSD	.6041	1.231	2.234	.9664	.7285	.8329	.7725
#1	.9344	1.920	.9749	3.242	.9471	26.79	1.013
#2	.9425	1.954	1.008	3.286	.9569	27.11	1.024

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.004	1.019	1.003	1.038	14.06	6.951	1.061
SDev	.012	.007	.010	.009	.20	.039	.008
%RSD	1.212	.6745	1.029	.8529	1.447	.5600	.7497
#1	.9950	1.014	.9957	1.032	14.21	6.923	1.056
#2	1.012	1.024	1.010	1.044	13.92	6.978	1.067

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	326.5	1.005	2.658	1.150	1.004	.0777	1.037
SDev	2.2	.000	.032	.047	.001	.0010	.045
%RSD	.6812	.0150	.8675	4.047	.1309	1.296	4.325

Run Time: 06/10/94 08:50:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k-.0352	k70.59	k-.5181	.5926	k-.0005	50.68	k-.3251
SDev	.0096	.46	.0361	.0040	.0001	.09	.0018
%RSD	27.38	.6466	6.961	.6813	27.41	.1809	.5455
#1	k-.0420	k70.92	k-.4926	.5954	k-.0006	50.75	k-.3238
#2	k-.0284	k70.27	k-.5436	.5897	k-.0004	50.62	k-.3263

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.4693	k3.513	27.05	31537.	k.7874	k0.853	k2.591
SDev	.0099	.012	.20	.	.0421	.043	.014
%RSD	2.101	.3529	.7497	.0029	5.352	.6325	.5304
#1	k.4624	k3.522	27.20	31537.	k.7576	k0.823	k2.601
#2	k.4763	k3.505	26.91	31537.	k.8172	k0.884	k2.582

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sn1811	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k33.31	k1.260	k.9037	k7.180	.0065	k.0005	k-1.132
SDev	.11	.006	.0191	.011	.0031	.0000	.030
%RSD	.3341	.5080	1.946	.1497	47.14	.6488	2.671
#1	k33.38	k1.261	k.9702	k7.189	.0087	k.0005	k-1.111
#2	k33.23	k1.270	k.9072	k7.171	.0043	k.0005	k-1.153

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	k.0706	k28.07
SDev	.0008	.07
%RSD	1.056	.2386
#1	k.0701	k28.12
#2	k.0711	k28.03

Method: EMS2 Sample Name: B120628 2G:500 Operator: SLK
Run Time: 06/10/94 08:54:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0825	27.59	-.2793	.9596	-.0009	49.71	.0194
SDev	.0050	.12	.0297	.0013	.0001	.13	.0016
%RSD	6.093	.4227	10.62	.1315	10.71	.2664	8.356
#1	.0861	27.50	-.3003	.9587	-.0008	49.61	.0205
#2	.0790	27.67	-.2583	.9605	-.0010	49.80	.0183

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.127	6.886	72.42	285.0	1.454	2.826	2.511

SDev	.003	.014	.20	.9	.319	.031	.007
%RSD	.1388	.2046	.2758	.3228	21.92	1.091	.2593
#1	2.124	6.896	72.28	284.4	1.679	2.848	2.507
#2	2.129	6.876	72.56	285.7	1.229	2.804	2.516

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm ✓	ppm	ppm	ppm	ppm	ppm
Avge	5.636	7.703	5.1[illegible]	-.5143	.0280	.0822	.0156
SDev	.014	.016	.053	.0126	.0130	.0004	.0165
%RSD	.2498	.2109	1.040	2.458	46.41	.4933	106.0
#1	5.646	7.691	5.083	-.5054	.0188	.0825	.0273
#2	5.626	7.714	5.158	-.5233	.0372	.0819	.0039

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.2083	15.77
SDev	.0024	.02
%RSD	1.156	.1350
#1	.2100	15.75
#2	.2066	15.78

Method: EMS2 Sample Name: B126630 20:50 Operator: SLK
Run Time: 06/10/91 08:58:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	23.87	.0572	2.325	-.0006	165.5	.1452
SDev	.0008	.09	.0005	.010	.0001	.6	.0002
%RSD	14.84	.3934	.9511	.4451	13.02	.3585	.1230
#1	.0061	23.80	.0576	2.317	-.0006	165.0	.1451
#2	.0049	23.93	.0568	2.332	-.0005	165.9	.1454

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm ✓	ppm	ppm	ppm	ppm	ppm
Avge	6.947	.8823	1.646	67.65	18.57	2.452	.4920
SDev	.022	.0036	.039	.09	.43	.001	.0007
%RSD	.3235	.4030	2.398	.1290	2.296	.0436	.1470
#1	6.931	.8798	1.674	67.59	18.87	2.453	.4915
#2	6.963	.8848	1.618	67.71	18.27	2.452	.4925

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm ✓	ppm	ppm	ppm	ppm	ppm
Avge	325.1	3.923	.3591	-.0960	.0009	.1719	.0124
SDev	.8	.011	.0309	.0528	.0083	.0008	.0071
%RSD	.2444	.2910	8.597	54.98	895.7	.4848	57.20
#1	324.6	3.915	.3372	-.0587	.0068	.1713	.0174
#2	325.7	3.931	.3809	-.1334	-.0050	.1725	.0074

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0273	4.051
SDev	.0041	.003
%RSD	15.10	.0711
#1	.0303	4.049
#2	.0244	4.053

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/10/94 09:02:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.011	5.201	5.114	5.055	[illegible]	5.269	5.145
SDev	.004	.028	.044	.051	.047	.044	.053
%RSD	.3892	.5339	.8658	1.013	.9121	.8365	1.039
#1	1.009	5.182	5.083	5.019	4.928	5.300	5.107
#2	1.011	5.221	5.145	5.091	[illegible]	5.238	5.183

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.112	5.125	5.106	5.211	5.125	5.115	5.085
SDev	.048	.044	.047	.017	.186	.071	.043
%RSD	.9326	.8625	.9157	.3173	3.631	.1117	.8463
#1	5.079	[illegible]	5.073	1.223	[illegible]	[illegible]	5.055
#2	5.146	[illegible]	1.139	.199	[illegible]	5.136	5.116

Elem	Na5889	Ni231[illegible]	Pb220[illegible]	[illegible]2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	[illegible]	ppm	ppm
Avge	Q5.742	5.125	5.088	1.035	5.018	[illegible]	5.038
SDev	.143	.036	.064	.014	.044	.051	.045
%RSD	2.492	.6986	1.252	1.308	.8799	1.001	.8901
#1	Q5.843	5.099	5.043	1.044	5.016	5.033	5.006
#2	Q5.641	5.150	5.133	1.025	5.079	5.104	5.070

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.065	5.048
SDev	.040	.033
%RSD	.7848	.6586
#1	5.037	5.025
#2	5.093	5.072

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/10/94 09:09:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0038	Q.2426	Q.0163	Q.0020	Q-.0001	Q.0493	Q-.0015
SDev	.0000	.0111	.0133	.0000	.0003	.0009	.0000
%RSD	.1156	5.830	81.62	.0000	180.4	1.931	.0087
#1	Q-.0038	Q.2326	Q.0069	Q.0020	Q.0000	Q.0486	Q-.0015
#2	Q-.0038	Q.2526	Q.0257	Q.0020	Q-.0003	Q.0499	Q-.0015

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0002	Q.0015	Q.0013	Q.0104	Q.1302	Q.0160	Q-.0010
SDev	.0012	.0028	.0043	.0023	.2876	.0227	.0000
%RSD	677.9	180.[illegible]	98.99	22.27	221.0	141.7	.0505
#1	Q-.0006	Q.0035	Q.0013	Q.[illegible]	Q.3336	Q.0339	Q-.0010
#2	Q.0010	Q-.0004	Q.0073	Q.0130	Q-.0732	Q-.0000	Q-.0010

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr1[illegible]	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q1.795	Q-.0010	Q.0081	Q-.0002	Q.0120	Q.0001	Q-.0120
SDev	.102	.0039	.0263	.0429	.0327	.0007	.0127
%RSD	5.655	[illegible]	323.3	168.5	273.1	569.6	[illegible]
#1	Q1.723	Q-.0013	Q.0267	Q-.0395	Q-.0112	Q.0006	Q-.0511
#2	Q1.867	Q-.0007	Q-.0105	Q.0212	Q.0351	[illegible].0001	Q-.0333

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0045	Q-.0005
SDev	.0005	.0027
%RSD	10.73	430.9
#1	Q.0042	Q-.0031
#2	Q.0049	Q.0011

Method: EMS2 Sample Name: Q933331 LCS-R Operator: SLK
Run Time: 06/10/94 09:12:37
Comment:
Mode: CONC Conc. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9310	1.281	.9161	.9494	.9009	1.058	.9629
SDev	.0105	.005	.0279	.0076	.0068	.013	.0133
%RSD	1.125	.3530	3.041	.7973	.7549	1.189	1.381
#1	.9236	1.278	.8964	.9441	.8961	1.049	.9535
#2	.9384	1.285	.9359	.9548	.9057	1.067	.9723

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9594	.9591	.9660	.9889	9.422	1.007	.9424
SDev	.0092	.0090	.0055	.0072	.012	.047	.0076
%RSD	.9567	.9419	.5657	.7298	.1298	4.684	.8058

#1	.9529	.9530	.9622	.9838	9.413	.9739	.9370
#2	.9659	.9658	.9699	.9940	9.431	1.041	.9477

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.438	.9623	.9632	1.060	.9637	-.0009	1.013
SDev	.072	.0021	.0097	.023	.0156	.0007	.012
%RSD	2.966	.2164	1.007	2.190	1.622	74.09	1.170
#1	2.386	.9608	.9701	1.076	.9748	-.0014	1.021
#2	2.489	.9638	.9564	1.043	.9527	-.0004	1.004

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.9509	[illegible]
SDev	.0080	.0094
%RSD	.9042	.9957
#1	.9449	[illegible]
#2	.9576	.9502

Method: EMS2 Sample Name: 9903332 BLA02-R Operator: CLK
Run Time: 09/10/94 09:16:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.1692	.0035	.0021	[illegible]	.0807	-.0003
SDev	.0023	.0230	.0460	.0018	.0003	.0014	.0022
%RSD	106.1	13.61	1316.	82.50	94.83	1.706	632.8
#1	.0037	.1855	.0360	.0034	-.0001	.0797	-.0019
#2	.0006	.1530	-.0290	.0009	-.0006	.0817	.0012

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	.0114	.0103	.0783	.1623	.0398	-.0010
SDev	.0027	.0088	.0043	.0015	.2665	.0092	.0011
%RSD	50.08	77.48	41.25	1.924	164.2	22.98	141.3
#1	.0074	.0177	.0133	.0772	.3500	.0463	-.0000
#2	.0036	.0052	.0073	.0793	-.0261	.0333	-.0020

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.036	.0113	.0768	.0561	-.0093	-.0001	-.0156
SDev	.060	.0013	.0236	.0165	.0248	.0003	.0082
%RSD	5.820	11.36	30.66	29.36	267.1	269.5	52.76
#1	1.079	.0122	.0935	.0678	.0083	.0001	-.0214
#2	.9936	.0103	.0602	.0445	-.0269	-.0004	-.0098

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0049	.0056

SDev	.0091	.0009
%RSD	185.0	15.23
#1	.0113	.0050
#2	-.0015	.0062

Method: EMS2 Sample Name: C156878 Operator: SLK
Run Time: 06/10/94 09:20:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.1681	-.0100	.0096	-.0011	36.[illegible]	-.0004
SDev	.0056	.0007	.0099	.0008	.0000	.08	.0001
%RSD	1644.	.4391	91.47	7.857	3.850	.2171	29.54
#1	-.0043	.1689	-.0035	.0102	-.0011	36.68	-.0005
#2	.0036	.1679	-.0171	.0091	-.0011	36.57	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0013	.0090	.2931	7.648	15.71	.0011
SDev	.0037	.0000	.0000	.0033	.106	.01	.0019
%RSD	374.1	.2564	.0000	1.116	1.651	.2571	125.3
#1	-.0016	.0013	.0090	.2908	7.737	15.18	.0002
#2	.0036	.0013	.0090	.2954	7.558	15.54	.0027

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	593.1	-.0010	.0367	.0920	-.0103	.4357	.0093
SDev	.6	.0060	.0109	.0629	.0056	.0010	.0290
%RSD	.1016	313.1	29.77	68.37	53.71	.2316	313.5
#1	593.6	-.0061	.0444	.0475	-.0143	.4361	-.0112
#2	592.7	.0023	.0289	.1364	-.0061	.4317	.0299

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0002	.0137
SDev	.0021	.0004
%RSD	1162.	2.619
#1	-.0013	.0135
#2	.0016	.0140

Method: EMS2 Sample Name: Q933333 DUP02 Operator: SLK
Run Time: 06/10/94 09:23:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.2101	.0132	.0105	-.0011	36.69	-.0003

SDev	.0031	.0181	.0041	.0000	.0001	.35	.0008
%RSD	189.1	8.590	30.86	.0000	5.497	.9446	302.9
#1	-.0006	.1974	.0103	.0105	-.0012	36.93	.0003
#2	.0039	.2229	.0161	.0105	-.0011	36.44	-.0008

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0100	.0103	.2942	7.894	15.60	.0017
SDev	.0021	.0034	.0043	.0031	.212	.15	.0000
%RSD	116.2	33.37	41.25	1.066	2.688	.9400	.1977
#1	.0003	.0124	.0073	.2964	8.045	15.70	.0017
#2	.0032	.0077	.0133	.2920	7.741	15.49	.0017

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	591.9	.0021	.0893	.0357	-.0127	.4350	.0157
SDev	4.9	.0022	.0015	.0088	.0037	.0042	.0066
%RSD	.8239	107.5	1.696	24.50	28.74	.9655	42.29
#1	595.3	.0037	.0882	.0295	-.0153	.4380	.0110
#2	588.4	.0005	.0903	.0419	-.0101	.4320	.0204

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0024	.0132
SDev	.0029	.0009
%RSD	117.4	6.479
#1	.0004	.0126
#2	.0045	.0138

Method: EMS2 Sample Name: Q933334 SPIO2W-R Operator: SLK
Run Time: 06/10/94 09:27:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7712	1.223	.9209	.9566	.9015	37.65	.9568
SDev	.0032	.015	.0336	.0015	.0039	.09	.0016
%RSD	.4172	1.234	3.647	.1583	.4310	.2411	.1658
#1	.7735	1.212	.9447	.9576	.9042	37.71	.9579
#2	.7689	1.234	.8972	.9555	.8987	37.58	.9556

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9493	.9649	.9622	1.250	17.50	16.52	.9397
SDev	.0050	.0002	.0097	.000	.33	.01	.0036
%RSD	.5312	.0197	1.010	.0000	1.865	.0875	.3848
#1	.9458	.9647	.9553	1.250	17.73	16.53	.9423
#2	.9529	.9650	.9690	1.250	17.27	16.51	.9371

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	594.1	.9516	.9271	1.057	.9545	.4366	.9781
SDev	2.4	.0039	.0345	.016	.0319	.0005	.0398
%RSD	.4007	.4041	3.720	1.494	3.337	.1154	1.066
#1	595.8	.9518	.9027	1.046	.9320	.4370	1.006
#2	592.4	.9573	.9515	1.068	.9771	.4362	.9499

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.9616	.9551
SDev	.0043	.0008
%RSD	.4510	.0833
#1	.9585	.9557
#2	.9646	.9546

Method: EMS2 Sample Name: Q933335 DPS02W-R Operator: SLK
Run Time: 06/10/91 09:30:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7904	1.314	.9404	.9781	.9132	38.04	.9642
SDev	.0028	.016	.0211	.0053	.0004	.04	.0010
%RSD	.3596	1.203	2.245	.5417	.0397	.1179	.1030
#1	.7924	1.325	.9553	.9819	.9135	38.07	.9635
#2	.7884	1.303	.9254	.9741	.9130	38.01	.9649

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9592	.9665	.9806	1.244	17.88	16.65	.9481
SDev	.0025	.0065	.0067	.003	.55	.04	.0025
%RSD	.2630	.6709	.6811	.2735	3.051	.2613	.2669
#1	.9575	.9711	.9854	1.247	18.26	16.68	.9499
#2	.9610	.9619	.9759	1.242	17.49	16.62	.9463

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	601.3	.9616	.9915	1.102	.9443	.4433	1.009
SDev	.3	.0013	.0097	.044	.0121	.0015	.006
%RSD	.0507	.1348	.9730	3.979	1.284	.3411	.5630
#1	601.5	.9607	.9984	1.133	.9357	.4443	1.005
#2	601.1	.9625	.9847	1.071	.9529	.4422	1.013

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.9669	.9704
SDev	.0054	.0065
%RSD	.5620	.6652

#1	.9708	.9749
#2	.9631	.9658

Method: EMS2 Sample Name: C156876 Operator: SLK
Run Time: 06/10/94 09:34:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0048	.2698	-.0033	.0641	.0002	19.21	.0054
SDev	.0031	.0192	.0013	.0005	.0002	.08	.0019
%RSD	64.00	7.123	37.95	.7879	109.3	.4352	34.44
#1	-.0026	.2834	-.0024	.0637	.0003	19.30	.0067
#2	-.0070	[illegible]	-.0042	.0644	.0000	19.18	.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3308	.0153	.0270	3.562	375.5	24.19	.3253
SDev	.0043	.0026	.0024	.009	1.8	.07	.0000
%RSD	1.317	16.69	8.979	.2450	.4699	[illegible]	.0005
#1	.3339	.0135	.0253	3.568	376.7	24.24	.3253
#2	.3277	.0171	.0288	3.556	374.2	24.14	.3253

Elem	Na5889	Ni2316	Pb2203	Sb2[illegible]	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	706.9	.9002	.0882	.0519	.0170	.1321	.0438
SDev	2.7	.0055	.0141	.0359	[illegible]	.0008	.0097
%RSD	.3751	.6072	16.00	69.19	11.11	.6255	22.27
#1	708.7	.9041	.0981	.0772	.0157	.1327	.0369
#2	705.0	.8963	.0782	.0265	[illegible]	.1315	.0507

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0065	.1259
SDev	.0020	.0003
%RSD	30.31	.2427
#1	.0051	.1257
#2	.0079	.1261

Method: EMS2 Sample Name: C156877 Operator: SLK
Run Time: 06/10/94 09:38:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.1786	.0018	.0582	-.0011	19.16	-.0010
SDev	.0010	.0086	.0107	.0008	.0001	.07	.0005
%RSD	47.43	4.830	582.5	1.301	13.50	.3394	53.31

#1	.0014	.1847	-.0057	.0587	-.0010	19.21	-.0006
#2	.0028	.1725	.0094	.0576	-.0012	19.12	-.0014

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0386	.0149	.0176	1.474	165.4	11.66	.1105
SDev	.0023	.0030	.0024	.009	1.8	.03	.0004
%RSD	5.964	19.92	13.80	.6012	.3772	.2797	.3267

#1	.0370	.0170	.0193	1.480	466.7	11.68	.1107
#2	.0402	.0128	.0159	1.468	464.2	11.64	.1102

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1009.	.1856	.0586	.0281	.0085	.1712	.0038
SDev	1.	.0024	.0079	.0031	.0000	.0005	.0045
%RSD	.1483	1.301	13.53	10.94	.0000	.2940	77.30

#1	1010.	.1873	.0642	.0259	.0085	.1716	.0089
#2	1008.	.1839	.0530	.0302	.0085	.1708	.0026

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0050	.0271
SDev	.0051	.0003
%RSD	103.0	1.141

#1	.0012	.0272
#2	.0088	.0277

Method: FMS2 Sample Name: C156881 Operator: SLK
Run Time: 06/10/04 09:42:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0034	.0643	.0063	.0550	-.0012	79.33	.0023
SDev	.0009	.0111	.0201	.0003	.0001	.12	.0032
%RSD	27.16	17.22	321.6	.4592	5.529	.1553	136.4

#1	.0041	.0721	.0205	.0548	-.0012	79.03	.0001
#2	.0027	.0565	-.0080	.0551	-.0013	79.62	.0046

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	-.0008	.0103	.0512	59.97	209.3	-.0053
SDev	.0002	.0030	.0006	.0003	.10	1.3	.0008
%RSD	19.61	355.4	5.893	.5343	.1609	.6178	14.25

#1	-.0013	.0013	.0099	.0510	60.04	208.3	-.0048
#2	-.0010	-.0029	.0107	.0514	59.90	210.2	-.0058

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	179.7	.0096	.0648	.0473	.0038	.7685	.0077

SDev	.1	.0014	.0023	.0820	.0343	.0057	.0370
%RSD	.0490	14.91	3.518	173.3	899.2	.7433	101.6
#1	179.6	.0085	.0664	-.0107	.0281	.7645	.0339
#2	179.8	.0106	.0032	.1054	-.0205	.7725	-.0185

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0003	.0150
SDev	.0008	.0006
%RSD	230.7	3.769
#1	-.0002	.0146
#2	.0009	.0153

Method: EMS2 Sample Name: C156682 Operator: SLK
Run Time: 06/10/94 09:46:12
Comment:
Mode: CONC Conv. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	.6577	-.0136	.1033	-.0011	102.7	-.0005
SDev	.0041	.0210	.0000	.0000	.0000	.2	.0011
%RSD	91.76	3.201	0.032	.0000	1.990	.1056	195.7
#1	.0016	.6426	-.0136	.1033	-.0011	102.6	-.0013
#2	.0074	.6724	-.0121	.1033	-.0012	102.9	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0152	.0566	.0253	1.791	51.67	310.9	.1551
SDev	.0005	.0037	.0000	.000	.34	.3	.0001
%RSD	3.119	6.580	.0000	.0074	.6551	.1095	.2378
#1	.0148	.0593	.0253	1.791	51.90	309.7	.1550
#2	.0155	.0540	.0253	1.791	51.43	310.2	.1551

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	272.2	.0515	.0386	-.0002	-.0327	1.051	.0160
SDev	.1	.0066	.0519	.0125	.0285	.001	.0214
%RSD	.0440	12.79	134.4	5724.	86.99	.0959	133.4
#1	272.1	.0561	.0753	.0086	-.0529	1.052	.0009
#2	272.3	.0468	.0019	-.0090	-.0126	1.051	.0311

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0034	.0222
SDev	.0070	.0021
%RSD	204.2	9.342
#1	.0015	.0237
#2	-.0084	.0208

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/10/94 09:50:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.014	5.160	5.131	5.061	4.983	5.319	5.156
SDev	.005	.005	.019	.009	.003	.134	.012
%RSD	.5293	.0925	.3649	.1845	.0550	2.511	.2258
#1	1.011	5.163	5.144	5.068	4.981	5.414	5.164
#2	1.018	5.156	5.118	5.055	4.985	5.225	5.148

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.133	5.162	5.138	5.091	5.019	95.535	5.099
SDev	.006	.006	.008	.000	.021	.220	.002
%RSD	.1256	.1103	.1536	.0070	6.391	1.133	.0354
#1	5.128	5.166	5.143	5.091	5.016	95.670	5.101
#2	5.137	5.158	5.132	5.093	1.792	7.374	5.098

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q5.791	5.131	5.054	1.040	5.107	5.003	5.068
SDev	.258	.008	.016	.067	.012	.007	.044
%RSD	4.471	.1598	.3160	[illegible]	.2263	.1353	.8712
#1	Q5.946	5.137	5.042	1.087	5.108	5.004	5.100
#2	Q5.582	5.125	5.065	.9933	5.092	5.001	5.037

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.068	5.055
SDev	.007	.002
%RSD	.1301	.0311
#1	5.073	5.056
#2	5.064	5.054

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/10/94 09:54:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0018	Q.2278	Q.0066	Q.0070	Q.0053	Q.0726	Q.0052
SDev	.0027	.0099	.0127	.0030	.0034	.0153	.0041
%RSD	147.2	4.338	193.3	43.51	63.71	21.13	78.34
#1	Q.0037	Q.2208	Q.0155	Q.0091	Q.0077	Q.0834	Q.0081
#2	Q-.0001	Q.2348	Q-.0024	Q.0048	Q.0029	Q.0617	Q.0023

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0075	Q.0079	Q.0107	Q.0159	Q.1748	Q.0564	Q.0049
SDev	.0027	.0031	.0061	.0040	.3402	.0090	.0033
%RSD	36.72	39.66	56.57	29.13	194.6	16.01	67.01
#1	Q.0094	Q.0101	Q.0150	Q.0192	Q.4154	Q.0500	Q.0072
#2	Q.0055	Q.0057	Q.0064	Q.0126	Q-.0658	Q.0628	Q.0026

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q1.925	Q.0070	Q.0714	Q.0034	Q.0012	Q.0059	Q.0391
SDev	.008	.0088	[illegible]	.0058	.0091	.0032	.0326
%RSD	.3966	125.7	[illegible]	9.136	730.7	53.75	83.30
#1	Q1.920	Q.0133	Q.0913	Q.0593	Q.0076	Q.0082	Q.0621
#2	Q1.931	Q.0008	Q.0519	Q.0675	Q-.0052	Q.0037	Q.0161

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0069	Q.0045
SDev	.0042	.0037
%RSD	61.37	83.12
#1	Q.0099	Q.0072
#2	Q.0039	Q.0019

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/10/94 09:57:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1937	Ba4934	Be3130	Cd3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.000	5.071	5.046	5.011	4.894	4.975	5.051
SDev	.005	.020	.021	.001	.009	.006	.006
%RSD	.4994	.3962	.4132	.0252	.1907	.1201	.1218
#1	1.010	5.085	5.061	5.012	4.901	4.979	5.055
#2	1.003	5.056	5.031	5.010	4.887	4.970	5.046

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.044	5.082	5.070	5.014	5.150	5.078	5.029
SDev	.014	.004	.002	.009	.330	.044	.004
%RSD	.2768	.0734	.0359	.1793	6.402	.8743	.0863
#1	5.054	5.085	5.068	5.021	5.383	5.110	5.032
#2	5.034	5.079	5.071	5.008	4.917	5.047	5.026

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.366	5.038	5.008	1.043	4.969	5.037	5.060
SDev	.000	.021	.021	.027	.028	.003	.061
%RSD	.0088	.4178	.4099	2.543	.5616	.0600	1.208

#1	5.366	5.053	5.023	1.062	4.988	5.039	5.103
#2	5.366	5.021	4.994	1.024	4.919	5.034	5.017

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.002	4.963
SDev	.007	.003
%RSD	.1339	.0512
#1	5.007	4.961
#2	4.997	4.964

Method: EMS2 Sample Name: DLM01-R Operator: SLK
Run Time: 06/10/94 10:01:15
Comment:
Mode: CONC Corr. Factor: .

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0001	Q.0743	Q-.0010	Q.0073	Q.0046	Q.0160	Q.0051
SDev	.0059	.0105	.0100	.0020	.0025	.0093	.0030
%RSD	10000.	14.12	1017.	27.59	54.31	51.51	157.0
#1	Q.0041	Q.0817	Q-.0150	Q.0087	Q.0061	Q.0246	Q.0100
#2	Q-.0043	Q.0668	Q.0121	Q.0059	Q.0029	Q.0115	Q-.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0071	Q.0108	Q.0082	Q.0085	Q.1029	Q.0308	Q.0043
SDev	.0004	.0014	.0000	.0020	.2981	.0018	.0025
%RSD	6.260	12.78	.0000	33.75	289.7	5.789	58.21
#1	Q.0074	Q.0099	Q.0082	Q.0105	Q.3137	Q.0321	Q.0061
#2	Q.0068	Q.0118	Q.0082	Q.0065	Q-.1079	Q.0296	Q.0026

Elem	Na5889	Ni3316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.5887	Q.0113	Q.0272	Q.0690	Q.0116	Q.0052	Q-.0231
SDev	.0152	.0066	.0164	.0798	.0342	.0019	.0362
%RSD	2.574	58.01	60.31	115.7	295.5	35.36	154.6
#1	Q.5780	Q.0160	Q.0156	Q.0126	Q.0357	Q.0065	Q.0022
#2	Q.5994	Q.0067	Q.0388	Q.1253	Q-.0126	Q.0039	Q-.0499

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0060	Q.0031
SDev	.0049	.0010
%RSD	81.82	30.51
#1	Q.0095	Q.0041
#2	Q.0025	Q.0026

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/10/94 10:12:46

Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9893	5.011	5.066	5.002	4.900	4.983	5.052
SDev	.0043	.003	.013	.007	.013	.008	.020
%RSD	.4324	.0531	.2568	.1312	.2724	.1624	.4019
#1	.9863	5.009	5.056	5.007	4.909	4.980	5.067
#2	.9923	5.013	5.075	4.997	4.890	4.978	5.038

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.039	5.084	5.071	5.030	4.882	5.050	5.041
SDev	.008	.018	.004	.008	.141	.008	.018
%RSD	.1594	.3558	.0718	.1515	2.845	.1574	.3515
#1	5.045	5.097	5.074	5.035	4.981	5.045	5.054
#2	5.034	5.071	5.068	5.024	4.780	5.056	5.029

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.130	5.051	5.040	1.002	5.070	5.020	1.002
SDev	.041	.002	.040	.005	.019	.011	.110
%RSD	.8050	.0373	.7956	0.862	.3775	.2212	2.204
#1	5.159	5.052	5.069	Q1.140	5.083	5.028	5.000
#2	5.101	5.050	5.012	1.009	5.056	5.012	4.904

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.003	4.989
SDev	.007	.022
%RSD	.1441	.4398
#1	5.008	5.004
#2	4.998	4.973

Method: EM82 Sample Name: BLA01-R Operator: SLK
Run Time: 06/10/94 10:26:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0044	Q.0884	Q-.0102	Q-.0002	Q-.0008	Q.0139	Q-.0014
SDev	.0036	.0369	.0030	.0010	.0000	.0042	.0000
%RSD	80.62	41.73	28.82	500.7	.2193	30.30	.0053
#1	Q.0069	Q.1145	Q-.0082	Q-.0009	Q-.0008	Q.0100	Q-.0014
#2	Q.0019	Q.0623	Q-.0123	Q.0005	Q-.0008	Q.0169	Q-.0014

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0000	Q.0017	Q.0086	Q.0041	Q-.0521	Q-.0077	Q-.0008
SDev	.0028	.0002	.0006	.0000	.3034	.0072	.0004

%RSD	393600.	11.70	7.071	.0038	582.3	94.41	47.17
#1	Q-.0019	Q.0015	Q.0090	Q.0041	Q.1624	Q-.0128	Q-.0005
#2	Q.0019	Q.0018	Q.0032	Q.0041	Q-.2667	Q-.0026	Q-.0010

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.7531	Q-.0003	Q.0608	Q.1000	Q-.0100	Q-.0005	Q.0071
SDev	.0365	.0003	.0301	.0034	.0156	.0002	.0170
%RSD	1.843	91.30	49.47	36.43	156.0	35.33	382.6
#1	Q.7273	Q-.0001	.0395	Q.1382	Q-.0211	Q-.0004	Q.0251
#2	Q.7789	Q-.0006	Q.0821	Q.0994	Q.0010	Q-.0006	Q-.0109

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0027	Q-.0020
SDev	.0012	.0014
%RSD	44.59	72.16
#1	Q.0018	Q-.0010
#2	Q.0035	Q-.0030

Method: EM32 Sample Name: Q933383 LCS-R 1:2 Operator: SLK
Run Time: 06/10/94 10:30:13
Comment:
Mode: CONC Corr. Factor: 1

Switched to CTAA

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1745	.8894	[illegible]	.1800	-.0013	2.216	.4344
SDev	.0059	.0280	.0301	.0003	.0001	.015	.0032
%RSD	3.215	3.152	35.95	.0526	5.357	.6181	.6900
#1	.1703	.8692	.0621	.1798	-.0013	2.236	.4321
#2	.1787	.8696	.1012	.1801	-.0011	2.256	.4367

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	.5081	.5028	.5370	-.0030	.9387	.1902
SDev	.0051	.0061	.0021	.0021	.2754	.0099	.0019
%RSD	254.3	1.200	.4831	.3809	9232.	1.053	.3688
#1	.0016	.5127	.5045	.5356	.1917	.9317	.1889
#2	-.0056	.5041	.5011	.5385	-.1977	.9457	.1915

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.869	.4918	.5182	-.0277	.0244	.0057	-.0149
SDev	.039	.0002	.0142	.0034	.0012	.0008	.0502
%RSD	1.002	.0332	2.739	12.13	4.794	14.84	337.2
#1	3.842	.4917	.5081	-.0300	.0236	.0063	.0206
#2	3.897	.4919	.5282	-.0253	.0252	.0051	-.0503

Elem	V_2924	Zn2138

Units	ppm	ppm
Avge	.4840	.5959
SDev	.0016	.0040
%RSD	.3223	.6710
#1	.4829	.5931
#2	.4851	.5987

Method: EMS2 Sample Name: [illegible]-R Operator: SLK
Run Time: 06/10/94 [illegible]
Comment:
Mode: CONC [illegible] Corr. Factor: 1

Elem	Ag3280	[illegible]	[illegible]	Ba4934	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	[illegible]	5.120	[illegible]	[illegible]	[illegible]
SDev	[illegible]	.001	[illegible]	.014	.017	[illegible]	.021
%RSD	[illegible]	[illegible]	[illegible]	.2707	[illegible]	[illegible]	.1000
#1	1.011	[illegible]	[illegible]	5.137	[illegible]	[illegible]	5.207
#2	1.072	[illegible]	[illegible]	5.118	[illegible]	[illegible]	5.177

Elem	Co2286	[illegible]	[illegible]	Be2999	[illegible]	[illegible]	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1[illegible]	[illegible]	5.202	5.105	[illegible]	5.118	5.158
SDev	.012	[illegible]	[illegible]	.010	.112	.007	.022
%RSD	.2538	[illegible]	[illegible]	.1897	[illegible]	.1412	.4348
#1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	5.112	[illegible]	5.200	5.156	[illegible]	[illegible]	5.142

Elem	Na[illegible]	[illegible]	[illegible]	Sb2068	[illegible]	[illegible]	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.119	[illegible]	5.172	1.086	[illegible]	[illegible]	5.130
SDev	.004	.007	.021	.020	.041	.011	.041
%RSD	[illegible]	[illegible]	.1722	1.811	.7072	.2043	.7971
#1	5.124	[illegible]	5.186	Q1.100	[illegible]	[illegible]	[illegible]
#2	5.103	[illegible]	[illegible]	1.073	[illegible]	[illegible]	5.151

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.141	5.137
SDev	.022	.017
%RSD	.4322	.3384
#1	5.160	5.149
#2	5.128	5.124

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/10/94 11:56:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0074	Q.0970	Q-.0053	Q.0020	Q.0008	Q.0175	Q.0027

%RSD	68.93	72.3[illegible]	374.2	102.9	100.6	2[illegible].14	7.132
#1	Q-.0038	Q.1467	Q-.0194	Q.0034	Q.0014	Q.0201	Q.0028
#2	Q-.0110	Q.0474	Q.0088	Q.0005	Q.0002	Q.0149	Q.0025
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0005	Q.0011	Q.0030	Q.0070	Q-.0744	Q.0141	Q.0008
SDev	.0016	.0057	.0021	.0011	.3946	.0001	.0011
%RSD	325.5	[illegible]	80.81	15.53	530.1	[illegible]	141.5
#1	Q-.0016	[illegible]	Q.0047	Q.0063	Q.2046	Q.0141	[illegible]
#2	Q.0006	Q-.[illegible]	Q.0013	Q.0078	Q-.3535	Q.0140	Q-.0[illegible]
Elem	[illegible]	[illegible]	Pb2203	Sb2068	Se1960	[illegible]	Tl1908
Units	ppm	[illegible]	[illegible]	ppm	ppm	ppm	ppm
Avge	Q.7231	[illegible]	[illegible]	Q.0541	Q.0193	[illegible]	[illegible]
SDev	.0513	[illegible]	.0[illegible]	.0091	.0001	[illegible]	[illegible]
%RSD	7.1[illegible]	[illegible]	[illegible]	17.30	2.269	[illegible]	[illegible]
#1	Q.[illegible]	Q.0[illegible]	Q.0163	Q.0174	Q.0190	[illegible]	Q-.0[illegible]
#2	[illegible]	[illegible]	[illegible]	Q.0607	Q.0196	[illegible]	[illegible]
Elem	V_2924	[illegible]					
Units	ppm	ppm					
Avge	Q.00[illegible]	Q.[illegible]					
SDev	.0002	[illegible]					
%RSD	[illegible]	[illegible]					
#1	Q.0[illegible]	[illegible]					
#2	Q.0039	[illegible]					

Method: EMS2 Sample Name: Q933383 LCS-R 1:2 Operator: [illegible]
Run Time: 06/[illegible]/94 12.[illegible].12
Comment:
Mode: CONC Conc. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5098	.8003	.0952	.5273	-.0014	[illegible]	.5317
SDev	.0019	.0015	.0271	.0061	.0000	.020	.0033
%RSD	.3746	.5639	28.40	1.1[illegible]	2.977	1.049	.6222
#1	.5111	.8035	.1144	.5315	-.0014	2.470	.5340
#2	.5084	.7971	.0761	.5230	-.0014	2.43[illegible]	.5293
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0040	.5594	.5513	.5930	-.1298	1.102	.5406
SDev	.0014	.0059	.0006	.0046	.2367	.097	.0043
%RSD	33.80	1.054	.1101	.7808	182.4	8.789	.8032
#1	-.0031	.5636	.5517	.5962	.0376	1.033	.5437
#2	-.0050	.5553	.5509	.5897	-.2972	1.170	.5375
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.006	.0092	.0539	.0391	.0323	.0000	.0041
%RSD	.1802	1.713	9.497	187.8	94.42	.0063	98.82
#1	3.268	.5415	.6051	.0485	.0114	.0055	-.0070
#2	3.259	.5285	.5290	-.0068	.0570	.0055	-.0012

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.5315	.6596
SDev	.0052	.0088
%RSD	.9861	1.335
#1	.5352	.6658
#2	.5278	.6533

Method: EMS2 Sample Name: Q933384 BLA02-R 1:2 Operator: SLK
Run Time: 06/10/94 12:07:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.1511	.0096	.0014	-.0012	1.19	-.0007
SDev	.0050	.0387	.0041	.0013	.0001	.011	.0007
%RSD	516.1	25.08	42.66	88.39	4.910	.9405	228.3
#1	.0026	.1817	[illegible]	[illegible]	-.0012	1.188	-.0008
#2	-.0045	.1270	.0125	.0005	-.0013	1.201	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0057	.0052	.0451	.1981	.3326	-.0008
SDev	.0012	.0051	.0006	.0119	.0611	.0200	.0004
%RSD	141.9	89.63	11.79	26.29	30.93	6.009	46.71
#1	.0003	.0093	.0056	.0535	.2417	.3467	-.0010
#2	-.0016	.0021	.0047	.0367	.1550	.3184	-.0005

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.621	.0024	.0354	.0634	.0051	-.0011	-.0060
SDev	.051	.0052	.0415	.0074	.0121	.0003	.0180
%RSD	3.136	215.4	117.1	11.74	239.6	31.24	299.7
#1	1.585	-.0013	.0061	.0686	-.0035	-.0008	-.0188
#2	1.657	.0060	.0648	.0581	.0136	-.0013	.0067

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0025	.0801
SDev	.0027	.0023
%RSD	108.7	2.811
#1	.0044	.0789

Method: EMS2 Sample Name: C157152 2G:200 Operator: SLK
Run Time: 06/10/94 12:10:39
Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0015	.5438	.0116	.0070	-.0013	2.467	-.0021
SDev	.0024	.0016	.0203	.0010	.0001	.049	.0024
%RSD	160.5	.2907	175.2	14.50	[illegible]	1.973	113.3
#1	-.0032	.5427	.0259	.0077	-.0012	2.433	-.0038
#2	.0002	.5449	-.0028	.0062	-.0014	2.502	-.0004

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.3056	.2340	.8855	5.937	.6831	.0041
SDev	.0022	.0018	.0024	.0108	.153	.0072	.0007
%RSD	352.9	31.61	1.038	1.216	2.570	1.058	17.75
#1	.0022	.0044	.2357	.8779	6.045	.6882	[illegible]
#2	-.0010	.0069	.2323	.8931	5.829	.6780	.0046

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	33.71	.0035	.1550	.0556	-.0190	.0[illegible]	-.0128
SDev	.50	.0145	.0149	.0334	.0140	.0006	.0093
%RSD	1.472	412.6	9.615	60.08	73.79	.0141	72.34
#1	33.36	.0137	.1444	.0793	-.0091	.0058	-.0062
#2	34.06	-.0067	.1655	.0320	-.0289	.0058	-.0194

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0038	.3433
SDev	.0078	.0037
%RSD	202.8	1.093
#1	.0017	.3407
#2	-.0093	.3460

Method: EMS2 Sample Name: Q933385 DUP02 2G:200 Operator: SLK
Run Time: 06/10/94 12:14:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0067	.4485	-.0137	.0073	-.0014	2.021	-.0006
SDev	.0033	.0149	.0205	.0010	.0001	.010	.0017
%RSD	48.99	3.323	149.4	13.80	5.050	.5092	300.0
#1	-.0044	.4380	-.0282	.0066	-.0014	2.014	-.0018
#2	-.0090	.4590	.0008	.0080	-.0013	2.029	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	.0033	.3229	1.144	5.543	.5469	.0041
SDev	.0005	.0067	.0067	.005	.130	.0227	.0014
%RSD	23.41	202.6	2.069	.4169	2.341	4.153	35.48

#1	-.0016	-.0011	.3181	1.141	5.535	.5309	.0051
#2	-.0023	.0080	.3276	1.148	5.451	.5630	.0031

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	30.22	.0029	.1299	-.0007	.0118	.0059	-.0110
SDev	.12	.0008	.0008	.0062	.0018	.0002	.0429
%RSD	.3796	27.36	.5879	872.1	11.89	2.364	390.1

#1	30.31	.0035	.1305	.0037	.0105	.0057	.0160
#2	30.17	.0023	.1291	-.0051	.0130	.0060	-.0417

Elem	V_2024	Zn2138
Units	ppm	ppm
Avge	-.0046	.3646
SDev	.0011	.0021
%RSD	29.47	.5460

#1	-.0036	.3630
#2	-.0056	.3663

Method: EMS2 Sample Name: Q933385 2G:200 Operator: TLT
Run Time: 06/10/94 12:17:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1126	.0237	-.0188	-.0001	-.0011	.0526	-.0010
SDev	.0037	.0140	.0011	.0008	.0000	.0100	.0013
%RSD	3.276	58.93	5.888	212.1	.3990	19.02	55.07

#1	.1152	.0335	-.0196	.0002	-.0014	.0745	-.0010
#2	.1100	.0138	-.0180	-.0009	-.0014	.0507	-.0028

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	-.0001	.0086	.0352	.2182	.0147	.0005
SDev	.0027	.0016	.0006	.0079	.2368	.0100	.0007
%RSD	120.6	1216.	7.071	22.47	108.5	67.82	141.5

#1	-.0042	.0010	.0090	.0108	.3857	.0218	.0010
#2	-.0003	-.0012	.0082	.0296	.0508	.0077	-.0000

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.003	.0015	.0325	.0572	-.0101	-.0015	-.0079
SDev	.168	.0055	.0400	.0113	.0383	.0003	.0397
%RSD	8.381	367.6	123.0	77.35	378.1	21.63	501.5

#1	2.122	-.0021	.0042	.0259	.0169	-.0013	.0202
#2	1.885	.0054	.0007	.0885	-.0372	-.0018	-.0359

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0037	.0120
SDev	.0036	.0002
%RSD	98.77	1.665
#1	-.0063	.0122
#2	-.0011	.0119

Method: EMS2 Sample Name: Q[illegible]307 2G:200 Operator: SLR
Run Time: 06/10/94 12:21:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	Ba1931	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4954	.9351	.6718	.5153	-.0013	2.020	.5172
SDev	.0011	.0052	.0057	.0018	.0000	.010	.0012
%RSD	.2166	.5502	7.908	.3428	.1529	[illegible]	.2306
#1	.4946	.9314	.0678	.5141	-.0013	2.013	.5180
#2	.4962	.9388	.0758	.5165	-.0013	2.028	.5163

Elem	Co2286	Cr2677	Cu3247	[illegible]	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.5528	.7630	1.329	6.474	.9285	.5253
SDev	.0025	.0063	.0010	.004	.289	.0055	.0029
%RSD	245.6	1.139	.6367	.2973	4.470	.5928	.5508
#1	-.0008	.5484	.7595	1.326	6.679	.9246	.5232
#2	.0028	.5573	.7661	1.332	6.270	.9321	.5273

Elem	Na5889	Ni3416	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	34.38	.5256	.7132	.0124	.0229	.0118	.0079
SDev	.22	.0047	.0343	.0287	.0321	.0002	.0359
%RSD	.6477	.8871	4.802	232.0	140.1	1.424	455.7
#1	34.22	.5289	.6890	-.0079	.0002	.0117	-.0175
#2	34.53	.5223	.7375	.0327	.0457	.0119	.0333

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.5093	.7997
SDev	.0014	.0021
%RSD	.2668	.2614
#1	.5103	.7983
#2	.5084	.8012

SDev	.0034	.015	.015	.1[illegible]	.4509	.0035	.0000
%RSD	21.91	1.064	.7684	.3224	291.6	.7710	.0000
#1	.0181	1.452	1.907	49.70	.4735	.4490	.3355
#2	.0132	1.430	1.886	49.93	-.1642	.4539	.3355

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.282	.2068	[illegible]	-.0328	-.0110	.0097	-.0022
SDev	.005	.0077	.0439	.0087	.0020	.0014	.0028
%RSD	.1471	3.728	8.111	26.56	[illegible]	[illegible]	127.[illegible]
#1	3.278	.2123	.5720	-.0390	-.0124	.0106	-.0042
#2	3.285	.2014	.5100	-.0267	[illegible]	.0087	-.0002

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0021	1.291
SDev	.00[illegible]	.005
%RSD	278.8	.3611
#1	.0061	1.288
#2	-.0020	1.294

Method: EMS2 Sample Name: B126646 2G:20[illegible] Operator: SLK
Run Time: 06/10/94 12:33:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1[illegible]	Ba4[illegible]	Be3[illegible]	Ca3179	Cd[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0112	.8979	.0080	.0718	-.0013	2.740	-.0027
SDev	.0031	.0115	.0055	.0020	.0001	.003	.0006
%RSD	27.99	1.281	68.62	2.700	[illegible]	.1041	22.[illegible]
#1	.0134	.8898	.0119	.0762	-.0012	2.[illegible]	-.0022
#2	.0090	.9061	.0041	.0733	-.0014	2.743	-.0031

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0313	.1584	3.975	7.133	.5347	.1215
SDev	.0002	.0016	.0024	.001	.21[illegible]	.0[illegible]	.0004
%RSD	9.525	5.008	1.533	.0137	3.073	1.860	.2976
#1	.0026	.0325	.1601	3.975	7.288	.527[illegible]	.1212
#2	.0022	.0302	.1567	3.974	6.978	.5417	.1217

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	22.48	.0170	.0523	-.0107	.0156	.0050	.0616
SDev	.26	.0005	.0303	.0182	.0045	.0013	.0109
%RSD	1.147	2.789	57.94	170.2	29.03	26.64	17.73
#1	22.30	.0174	.0737	-.0235	.0124	.0060	.0538

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0052	.5912
SDev	.0025	.0046
%RSD	47.51	.7721
#1	.0069	.5880
#2	.0034	.5945

Method: EMS2 Sample Name: Q933380 2G:200 Operator: SLK
Run Time: 06/10/94 12:37:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1996	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5048	.0097	.0720	.5210	.0013	1.903	.5180
SDev	.0050	.0203	.0111	.0008	.0000	.020	.0005
%RSD	.9831	2.091	15.35	.1453	2.044	[illegible]	
#1	.5013	.0840	.0397	.5205	-.0013	1.889	.5176
#2	.5083	.0554	.0650	.5215	-.0013	1.916	.5183

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2798	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.5523	.6691	1.021	6.657	.0183	.5319
SDev	.0002	.0034	.0127	.009	.018	.0199	.0043
%RSD	20.91	.6073	1.909	.9134	[illegible]	2.173	.8158
#1	.0009	.5593	.6771	1.017	6.645	.0041	.5288
#2	.0012	.5553	.6591	1.031	6.670	.0324	.5350

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	35.74	.5329	.6706	.0510	.0506	.0109	-.0299
SDev	.28	.0082	.0603	.0647	.0026	.0005	.0339
%RSD	.7866	1.539	8.996	127.0	5.195	4.638	113.6
#1	35.54	.5271	.6279	.0052	.0525	.0105	-.0539
#2	35.94	.5387	.7133	.0967	.0488	.0112	-.0059

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.5174	.7122
SDev	.0001	.0087
%RSD	.0209	1.227
#1	.5173	.7060
#2	.5174	.7184

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/10/94 12:41:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.058	5.384	Q5.500	5.3[illegible]	[illegible]	[illegible]	[illegible]
SDev	.013	.069	.022	.055	.011	.043	.031
%RSD	1.189	1.288	.3929	1.037	.7854	.7974	.5643

#1	1.049	5.335	5.485	5.292	5.204	5.311	5.392
#2	1.067	5.433	Q5.516	5.370	5.262	[illegible]	[illegible]

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.376	5.449	5.457	5.382	5.133	5.395	5.373
SDev	.041	.054	.041	.045	.190	.046	.037
%RSD	.7636	.9848	.7566	.8452	3.695	[illegible]	[illegible]

#1	5.347	5.411	[illegible]	[illegible]	5.267	[illegible]	[illegible]
#2	5.405	5.487	[illegible]	5.414	[illegible]	[illegible]	5.399

Elem	Na5889	Ni2316	Pb2203	Sb2068	[illegible]	[illegible]	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.428	5.396	5.415	Q1.147	[illegible]	[illegible]	[illegible]
SDev	.095	.021	.059	.019	.060	[illegible]	.073
%RSD	1.747	.3896	1.098	1.698	1.097	[illegible]	1.337

#1	5.495	5.392	5.373	Q1.161	5.393	5.326	5.385
#2	5.361	5.411	5.457	Q1.133	5.177	[illegible]	[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.349	5.322
SDev	.035	.038
%RSD	.6555	.7170

#1	5.324	5.305
#2	5.374	5.359

Method: EMS2 Sample Name: BLA01-R Operator: SLH
Run Time: 06/10/94 12:50:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0009	Q.0785	Q-.0017	Q-.0009	Q-.0005	Q.0162	Q-.0002
SDev	.0091	.0069	.0348	.0015	.0002	.0093	.0033
%RSD	1061.	8.833	2073.	169.7	33.61	57.51	1775.

#1	Q.0056	Q.0834	Q.0229	Q.0002	Q-.0004	Q.0228	Q.0022
#2	Q-.0073	Q.0736	Q-.0263	Q-.0020	Q-.0006	Q.0096	Q-.0025

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0024	Q-.0035	Q-.0009	Q.0017	Q.0248	Q-.0007	Q-.0010
SDev	.0007	.0083	.0140	.0023	.3385	.0026	.0014
%RSD	28.91	237.4	1626.	133.3	1365.	381.0	141.4

#1	Q.0019	Q.0024	Q.0090	Q.0034	Q.2641	Q .0025	Q.0000
#2	Q.0029	Q-.0093	Q-.0107	Q.0001	Q-.2146	Q.0012	Q-.0020

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	Q.8663	Q.0052	Q.0527	Q.0242	Q-.021[illegible]	Q-.000[illegible]	[illegible]
SDev	.0218	.0060	.0280	.0064	.0161	.0010	.0646
%RSD	2.519	113.6	53.11	26.5[illegible]	67.05	121.2	20[illegible]
#1	Q.8818	Q.0094	Q.0726	Q.0287	Q-.0126	Q-.0001	Q.0766
#2	Q.8509	Q.0010	Q.0329	Q.0196	Q-.0353	Q-.0015	Q-.0148

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	Q.0017	Q-.0016
SDev	.0004	.0012
%RSD	22.29	75.03
#1	Q.0014	Q-.0007
#2	Q.0019	Q-.0021

Method: EMS2 Sample Name: Q933[illegible] LCS-2 Operator: SLK
Run Time: 06/10/94 12:59.00
Comment:
Mode: CONC Conc. Factor: 1

Elem	Ag3280	[illegible]	As1[illegible]	Ba4934	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9529	[illegible]	[illegible]	.9921	[illegible]	1.0[illegible]	1.0[illegible]
SDev	.0009	.024	.0029	.0043	.0042	[illegible]	.004
%RSD	.0960	1.771	.0052	.4331	[illegible]	[illegible]	[illegible]
#1	.9523	1.360	.9699	.9951	.9486	1.0[illegible]	1.012
#2	.9536	1.327	.9648	.9890	[illegible]	1.077	1.007

Elem	Co2286	[illegible]	Cu3247	Fe2[illegible]	K_7[illegible]	Mg2790	Mn2[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.010	1.031	1.031	1.040	9.716	1.036	.9959
SDev	.006	.004	.010	.001	.074	.032	.0025
%RSD	.6340	.4[illegible]	1.001	.0915	.7581	3.056	.2545
#1	1.014	1.034	1.039	1.041	9.768	1.013	.9968
#2	1.005	1.028	1.024	1.040	9.663	1.058	.9932

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.731	1.021	1.044	1.139	1.002	-.0010	1.040
SDev	.081	.013	.040	.031	.013	.0002	.012
%RSD	2.965	1.307	3.854	2.712	1.327	16.34	1.179
#1	2.674	1.030	1.016	1.117	.9921	-.0011	1.032
#2	2.788	1.011	1.073	1.161	1.011	-.0009	1.049

Elem	V_2924	Zn2138
Units	ppm	ppm

SDev	.002	[illegible]
%RSD	.1684	[illegible]
#1	1.005	1.002
#2	1.003	.9932

Method: EMS2 Sample Name: Q[illegible] BLA02-R Operator: SLK
Run Time: 06/10/94 [illegible]
Comment:
Mode: CONC Corr. [illegible]

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	[illegible]	[illegible]	.0027	-.0000	[illegible]	-.0015
SDev	.0009	.0052	[illegible]	.0010	.0003	.0012	.0013
%RSD	[illegible]	[illegible]	[illegible]	37.71	[illegible]	[illegible]	[illegible]
#1	-.0018	[illegible]	-.0052	.0031	-.0006	[illegible]	[illegible]
#2	-.0021	[illegible]	[illegible]	.0020	.0011	[illegible]	-.0015

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0018	.0071	.0125	.0197	.1500	[illegible]	-.0000
SDev	.0002	[illegible]	.0097	.0004	[illegible]	[illegible]	[illegible]
%RSD	13.[illegible]	42.80	78.[illegible]	2.079	17[illegible]	84.[illegible]	47.18
#1	-.0020	[illegible]	[illegible]	.0199	[illegible]	.0564	-.0010
#2	-.0016	.0051	[illegible]	.0194	-.0006	[illegible]	-.0005

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.298	[illegible]	[illegible]	.0573	-.[illegible]	-.0010	-.[illegible]
SDev	.010	.0056	.0270	.0050	.0079	.0002	.0047
%RSD	.7772	117.9	327.3	8.773	38.57	17.65	128.4
#1	1.306	.0088	-.0112	.0537	-.0149	-.0008	-.0070
#2	1.291	.0008	.0282	.0608	-.0260	-.0011	-.0003

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0085	.0057
SDev	.0016	.0017
%RSD	18.37	28.92
#1	.0074	.0069
#2	.0096	.0046

Method: EMS2 Sample Name: B126649 Operator: SLK
Run Time: 06/10/94 13:05:25
Comment:
Mode: CONC Corr. Factor: 1

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Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.0012	.0152	.0230	.0008	.0001	.11	.0009
%RSD	14.30	6.642	139.2	2.233	5.624	.1612	58.39
#1	-.0096	.2173	-.0003	.0334	-.0012	65.34	-.0021
#2	-.0078	.2387	-.0328	.0344	-.0011	65.19	-.0009

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0041	.4766	.0073	.8186	188.9	45.13	.8787
SDev	.0000	.0012	.0024	.0007	.8	.01	.0011
%RSD	.3187	.2478	33.28	.0802	.4253	.0200	.1646
#1	.0041	.4771	.0056	.8491	189.4	45.13	.8787
#2	.0041	.4757	.0090	.8481	188.3	45.12	.8777

Elem	Na5889	Ni2316	Pb2203	Sb2068	Sb1962	Si4315	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	525.0	.0122	.0117	.0043	-.0101	.5000	-.0430
SDev	.8	.0061	.0285	.0723	.0111	.0020	.0270
%RSD	.1444	15.23	243.9	1670.	.7	.4032	62.82
#1	525.[illegible]	.0467	.0319	.0551	-.0024	.5011	-.0621
#2	524.5	.0376	-.0085	-.0468	-.0180	.4985	-.0239

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0011	.1[illegible]
SDev	[illegible]	.0020
%RSD	18.25	1.189
#1	.0010	.1679
#2	.0012	.1707

Method: EMS2 Sample Name: Q933390 DUP02 [illegible]
Run Time: 06/10/91 13:[illegible]
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0091	.1715	-.0003	.0327	-.0013	51.[illegible]	-.0030
SDev	.0022	.0122	.0183	.0010	.0001	.[illegible]	.0017
%RSD	23.35	7.111	5327.	3.091	4.791	.1[illegible]7	55.73
#1	-.0110	.1629	-.0133	.0319	-.0014	64.81	-.0018
#2	-.0079	.1801	.0126	.0334	-.0013	64.91	-.0041

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.4721	.0026	.8397	188.5	45.04	.8744
SDev	.0012	.0055	.0030	.0003	.1	.00	.0011
%RSD	202.2	1.166	117.9	.0328	.0428	.0081	.1241
#1	.0002	.4682	.0004	.8399	188.5	45.03	.8736
#2	-.0014	.4760	.0047	.8395	188.[illegible]	45.04	.8751

Elem	Na5889	Ni2316	Pb2203	SD2068	Be1960	Sc4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	521.8	[illegible]	.0095	-.0005	-.0218	.4979	-.0132
SDev	.1	.0046	.0045	.0272	.0124	.0019	.0063
%RSD	.0266	11.18	47.36	88.90	56.97	.3712	47.43

#1	521.7	[illegible]	.0127	-.0113	-.0306	[illegible]	-.0176
#2	[illegible]	[illegible]	.0063	-.0407	-.0130	.4992	-.0088

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0015	[illegible]
SDev	.0026	[illegible]
%RSD	57.12	[illegible]
#1	-.0063	[illegible]
#2	-.0027	[illegible]

Method: EMS2 Sample Name: Q[illegible]391 SPI02W-R Operator: SLK
Run Time: 06/10/91 [illegible]
Comment:
Mode: CONC Calc. Factor: 1

Elem	Ag3280	Al3081	As1936	Ba4934	Be3130	Cd3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9479	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	[illegible]	[illegible]	.0098	.007	.0043	.27	[illegible]
%RSD	.7603	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	.9428	[illegible]	.9725	1.028	[illegible]	[illegible]	.9784
#2	[illegible]	[illegible]	[illegible]	[illegible]	.9421	[illegible]	.9888

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9828	1.471	1.013	1.807	193.0	44.47	1.821
SDev	.0071	.000	.005	.002	.1	.13	.006
%RSD	.7240	.0143	.4796	.1280	.1817	.2848	.3374
#1	.9778	1.471	1.009	1.806	192.7	44.38	1.817
#2	.9878	1.471	1.016	1.809	193.2	44.56	1.825

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	508.8	1.029	1.017	1.135	.9890	.4848	1.041
SDev	1.9	.001	.013	.002	.0339	.0025	.026
%RSD	.3753	.0924	1.274	.1318	3.427	.5198	2.539
#1	507.4	1.028	1.026	1.137	.9651	.4830	1.022
#2	510.1	1.029	1.008	1.134	1.013	.4866	1.059

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.9909	1.142
SDev	.0077	.002
%RSD	[illegible]	.1576

#1	.9854	1.141
#2	.9963	1.144

Method: EMS2 Sample Name: Q933392 DPC02W-R Operator: SLK
Run Time: 06/10/94 13:15:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8312	1.484	[illegible]	1.073	[illegible]	[illegible]	1.017
SDev	.0133	.010	.009	.011	.0102	.71	.006
%RSD	1.601	1.289	.0133	.0878	1.057	[illegible]	[illegible]
#1	.8318	1.470	[illegible]	[illegible]	[illegible]	[illegible]	1.010
#2	.8106	1.497	[illegible]	1.088	[illegible]	[illegible]	1.019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.017	1.510	1.051	[illegible]	[illegible]	[illegible]	1.035
SDev	.004	.007	.012	[illegible]	1.0	.12	.020
%RSD	.4252	.4545	1.155	.0847	.0802	[illegible]	1.056
#1	[illegible]	1.506	1.043	1.058	198.0	[illegible]	1.071
#2	1.020	1.515	1.060	1.081	200.5	48.13	[illegible]

Elem	Na5889	Ni3416	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	523.8	1.061	[illegible]	[illegible]	[illegible]	[illegible]	1.068
SDev	4.6	.013	.006	[illegible]	[illegible]	[illegible]	.001
%RSD	.8713	1.225	.5302	[illegible]	[illegible]	[illegible]	[illegible]
#1	520.5	1.048	1.038	1.158	1.012	[illegible]	1.069
#2	527.0	1.074	1.021	[illegible]	[illegible]	[illegible]	1.067

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	1.026	1.182
SDev	.013	.015
%RSD	1.296	1.303
#1	1.017	1.171
#2	1.036	1.193

Method: EMS2 Sample Name: C157159 Operator: SLK
Run Time: 06/10/94 13:19:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0137	.4251	.0078	.0127	-.0011	59.39	-.0038
SDev	.0047	.0450	.0291	.0010	.0001	.33	.0023

0004

#1	-.0104	.4569	.0284	.0120	[illegible]	[illegible]	[illegible]
#2	-.0171	.3933	-.0128	.0134	[illegible]	[illegible]	-.0054

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	[illegible]	ppm	ppm
Avge	.0023	.0064	.0172	1.393	[illegible]	14.[illegible]	.0050
SDev	.0009	.0031	.0043	.004	.175	.08	.0011
%RSD	40.27	49.32	24.75	.2937	2.[illegible]	.5[illegible]	21.54
#1	.0016	.0086	.0202	1.[illegible]	[illegible]	[illegible]	[illegible]
#2	.0029	.0041	.0142	[illegible]	[illegible]	15.[illegible]	.0058

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	[illegible]	[illegible]	ppm
Avge	[illegible]	-.0[illegible]	.0[illegible]	.00[illegible]	[illegible]	[illegible]	.0205
SDev	[illegible]	.0093	.0167	.0[illegible]	.0[illegible]	.0[illegible]	.0085
%RSD	[illegible]	11.06	65.85	21[illegible]	[illegible]	[illegible]	[illegible]
#1	63.17	-.0031	.0166	-.0[illegible]	[illegible]	.1357	.0355
#2	[illegible]	-.0[illegible]	.0[illegible]	.04[illegible]	[illegible]	[illegible]	.0[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0036	.0338
SDev	.0031	.0[illegible]
%RSD	85.21	2.515
#1	.0[illegible]	[illegible]
#2	.0014	.0332

Method: EMS2 Sample Name: B126[illegible]27 20:5000 Operator: SLK
Run Time: 06/10/94 [illegible]
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba[illegible]	[illegible]	[illegible]	Cd226[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0061	7.416	-.0110	.0617	.0012	5.316	-.0041
SDev	.0009	.115	.0167	.0010	.0001	.051	.0012
%RSD	15.21	1.551	151.7	2.861	0.186	.9673	30.03
#1	-.0067	7.498	.0008	.0630	-.0011	5.352	-.0032
#2	-.0054	7.335	-.0228	.0605	-.0013	5.280	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0481	.3627	2.841	40.94	.1900	.6934	.2677
SDev	.0032	.0112	.031	.30	.3222	.0129	.0025
%RSD	6.668	3.100	1.090	.9164	169.6	1.853	.9455
#1	.0504	.3706	2.863	41.21	.4178	.7025	.2695
#2	.0458	.3547	2.820	40.67	-.0379	.6843	.2659

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908

SDev	.054	.0035	.0531	.0493	.0248	.0010	.0190
%RSD	1.286	2.544	35.95	70.62	1002.	11.96	79.49
#1	4.244	.1413	.1854	-.0349	.0200	.0089	-.0105
#2	4.167	.1363	.1102	-.1046	-.0151	.0075	-.0373

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0093	2.980
SDev	.0029	.031
%RSD	30.95	1.147
#1	.0111	3.001
#2	.0073	2.956

Method: EMS2 Sample Name: [illegible] Operator: [illegible]
Run Time: 06/18/94 [illegible]
Comment:
Mode: [illegible] Corr. Factor:

Elem	Ag3280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	.005	[illegible]	[illegible]	[illegible]	.013	.001	.011
%RSD	.4711	[illegible]	[illegible]	[illegible]	.2188	[illegible]	[illegible]
#1	1.051	[illegible]	[illegible]	5.328	5.197	[illegible]	[illegible]
#2	1.047	5.345	5.425	.327	5.216	5.284	.372

Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.333	5.415	[illegible]	5.383	5.177	[illegible]	[illegible]
SDev	.003	.008	[illegible]	.021	.241	[illegible]	.012
%RSD	.0558	.0037	[illegible]	.3951	4.709	[illegible]	[illegible]
#1	5.331	5.415	[illegible]	5.398	5.349	[illegible]	[illegible]
#2	5.335	5.416	5.417	5.368	5.001	[illegible]	[illegible]

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Si1215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.409	5.361	5.299	Q1.147	5.372	5.351	5.409
SDev	.005	.003	.039	.009	.013	.007	.005
%RSD	.0954	.0625	.7290	.8169	.2339	.1350	.0935
#1	5.412	5.359	5.272	Q1.153	5.381	5.346	5.412
#2	5.405	5.363	5.327	Q1.140	5.363	5.356	5.405

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.313	5.282
SDev	.002	.005
%RSD	.0376	.0893
#1	5.311	5.278

Method: EMS2 Sample Name: BLA01-R [illegible]
Run Time: 06/10/94 13:31:28
Comment:

Mode: CONC [illegible] Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	0.0012	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	[illegible]	[illegible]	[illegible]	.0000	[illegible]	.0047	[illegible]
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	[illegible]	[illegible]	0.0173	[illegible]	[illegible]	[illegible]	Q.0011
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Elem	Co2[illegible]	[illegible]	[illegible]	[illegible]	K[illegible]	[illegible]	Mn25[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Q.0010
SDev	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
%RSD	17.20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	Q.0031	Q-.2220	[illegible]	[illegible]

Elem	Na5[illegible]	[illegible]	[illegible]	Sb2[illegible]	[illegible]	[illegible]	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	[illegible]	[illegible]	[illegible]	.0011	[illegible]	[illegible]	[illegible]
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Elem	V_2[illegible]	Zn2[illegible]
Units	ppm	ppm
Avge	Q.0084	Q-.0001
SDev	.0009	.0016
%RSD	3.673	2328.
#1	Q.0086	Q.0011
#2	Q.0082	Q-.0012

Method: EMS2 Sample Name: Q933402 LCS-R Operator: SLK
Run Time: 06/10/94 13:42:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9242	1.130	.9392	.9514	.9101	.9702	.9585
SDev	.0118	.019	.0073	.0073	.0085	.0059	.0095
%RSD	1.282	1.670	.7778	.7692	.9293	.6065	.9867
#1	.9158	1.116	.9340	.9462	.9041	.9661	.9518
#2	.9325	1.143	.9443	.9566	.9161	.9744	.9652

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9623	1.005	.9854	.9837	9.073	.9764	.9539
SDev	.0087	.002	.0073	.0084	.154	.0190	.0051
%RSD	.9057	.1752	.7395	.8587	1.701	1.946	.5309

#1	.9561	1.004	.9802	.9779	[illegible]	.9809	[illegible]
#2	.9685	1.007	.9905	[illegible]	[illegible]	[illegible]	.9574

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr1215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.544	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	.031	.0013	.0026	.013	.0041	[illegible]	.012
%RSD	2.0[illegible]	[illegible]	.2625	1.201	[illegible]	[illegible]	[illegible]

#1	1.566	.9681	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	1.522	.9712	.9798	[illegible]	[illegible]	[illegible]	[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.9545	.9491
SDev	.0050	.0052
%RSD	.6275	[illegible]

#1	.9563	[illegible]
#2	.9587	.9528

Method: EMS2 Sample Name: Q93[illegible] BLA02 R [illegible]
Run Time: 06/10/94 [illegible]
Comment:
Mode: [illegible]

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0049	.1040	-.0010	[illegible]	[illegible]	[illegible]	[illegible]
SDev	.0059	.0219	.0158	.0020	.0060	[illegible]	.0022
%RSD	120.2	21.08	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

#1	-.0091	.1195	-.0122	[illegible]	[illegible]	[illegible]	-.0030
#2	-.0007	.0885	.0101	[illegible]	-.0012	[illegible]	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0092	.0052	.0577	.0470	.0251	-.0015
SDev	.0023	.0053	.0079	.0024	.1807	.0155	.0007
%RSD	234.6	57.77	153.2	4.245	384.0	61.63	47.10

#1	-.0006	.0054	-.0004	.0560	.1748	.0141	-.0020
#2	.0026	.0129	.0107	.0595	-.0807	.0360	-.0010

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr1215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5702	-.0011	.0248	.0498	.0029	-.0013	-.0104
SDev	.0001	.0027	.0234	.0693	.0231	.0000	.0403
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

00047

#1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	.5702	[illegible]	[illegible]	[illegible]	.0192	-.0013	-.0389

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0007	[illegible]
SDev	[illegible]	.0007
%RSD	400.2	[illegible]
#1	-.0010	[illegible]
#2	.0031	.0010

Method: EMS2 Sample Name: [illegible] 2G:5000 Operator: [illegible]
Run Time: [illegible] 11:50:1
Comment:
Mode: [illegible]

Elem	Ag3280	[illegible]	[illegible]	Ba4934	Be3130	Cd3170	Cd2[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.0001
SDev	.0021	.0165	[illegible]	[illegible]	[illegible]	.0037	[illegible]
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1203.
#1	-.0091	[illegible]	[illegible]	.0023	.0017	[illegible]	[illegible]
#2	[illegible]	[illegible]	.0084	[illegible]	.0016	[illegible]	[illegible]

Elem	Co2286	[illegible]	[illegible]	[illegible]	V_7664	Mn2[illegible]	Mn2[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0260	[illegible]	[illegible]	.0361	[illegible]	[illegible]	[illegible]
SDev	.0025	[illegible]	[illegible]	[illegible]	.1570	.002	.0007
%RSD	[illegible]	[illegible]	[illegible]	5.022	[illegible]	[illegible]	[illegible]
#1	[illegible]	[illegible]	[illegible]	-.0352	.3853	[illegible]	-.0011
#2	.0286	205.3	.0107	-.0378	-.2621	2.343	-.0021

Elem	Na5880	Ni2316	Pb2203	Sb2068	Se1960	Si1215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8579	-.0025	[illegible]	-.0016	-.0033	-.0008	.0398
SDev	.0039	.0035	.0246	.0575	.0149	.0007	.0121
%RSD	.4555	140.1	331.5	3596.	450.[illegible]	81.0[illegible]	[illegible]
#1	.8607	-.0050	-.0100	.0391	.0072	-.0004	.0312
#2	.8551	-.0000	.0248	-.0123	-.0138	-.0013	.0484

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.4225	.0001
SDev	.0052	.0012
%RSD	1.230	1089.
#1	-.4262	.0010
#2	-.4188	-.0007

Method: EMS2 Sample Name: 0933404 2G:5000 Operator: SLK

Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	.1173	-.0101	[illegible]	.0017	.1056	-.0027
SDev	.0027	.0178	.0005	[illegible]	.0001	[illegible]	.0028
%RSD	30.[illegible]	15.17	04.18	[illegible]	5.118	[illegible]	107.1
#1	-.0152	.1299	-.0160	.0005	.0017	.1033	-.0017
#2	-.0111	.1047	-.0031	[illegible]	[illegible]	.1080	[illegible]

Elem	Co2286	Cr2677	Cu3217	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	209.0	.0130	-.0011	[illegible]	2.371	[illegible]
SDev	.0057	.5	[illegible]	[illegible]	[illegible]	.032	.0001
%RSD	19.75	.2072	23.57	2.887	[illegible]	1.363	27.[illegible]
#1	[illegible]	210.1	[illegible]	[illegible]	[illegible]	2.321	[illegible]
#2	[illegible]	209.2	[illegible]	[illegible]	[illegible]	2.310	[illegible]

Elem	Na3303	Ni3416	Pb1768	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8380	.0017	.0061	[illegible]	[illegible]	[illegible]	[illegible]
SDev	.0191	[illegible]	.0078	[illegible]	.0202	.0003	.0134
%RSD	1.785	200.0	79[illegible]	[illegible]	[illegible]	23.61	[illegible]
#1	.8661	-.0023	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	.8097	.0057	[illegible]	[illegible]	.0202	[illegible]	.0211

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.1301	.0002
SDev	.0102	.0013
%RSD	2.381	591.2
#1	-.1228	.0011
#2	-.1373	-.0007

Method: EMS2 Sample Name: Q933401 2X:5000 Operator: SLK
Run Time: 06/10/94 13:57:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0101	.1081	-.0164	.0012	.0016	.1040	-.0020
SDev	.0039	.0008	.0083	.0025	.0002	.0000	.0000
%RSD	38.80	.7907	50.50	202.0	10.11	.0253	[illegible]
#1	-.0073	.1075	-.0105	.0030	.0017	.1039	-.0027
#2	-.0128	.1087	-.0222	-.0005	.0015	.1040	-.0014

Elem	Co2286	Cr2677	Cu3217	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

000473

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
%RSD	5.121	.0096	[illegible]	1.244	1855.	.9932	27.09
#1	.0279	209.3	.0279	-.0448	.2216	2.410	-.0011
#2	.0260	209.3	.0125	-.0440	-.1902	2.376	-.0016

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7721	-.0[illegible]	[illegible]	[illegible]	[illegible]	-.0007	[illegible]
SDev	.0523	.0015	[illegible]	[illegible]	.0104	.0005	[illegible]
%RSD	6.776	[illegible]	[illegible]	[illegible]	[illegible]	71.05	[illegible]
#1	.8090	-.0068	[illegible]	.0819	.0157	-.0001	.0221
#2	.7351	-.0[illegible]	.0177	[illegible]	.0016	-.0011	[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.1[illegible]	-.0[illegible]
SDev	.0032	.0018
%RSD	[illegible]	[illegible]
#1	-.4229	-.001[illegible]
#2	-.4274	.0010

Method: EMS2 Sample Name: [illegible] Operator: SLK
Run Time: [illegible]/10/91 [illegible]
Comment:
Mode: CONC [illegible]

Elem	Ag3280	Al3000	[illegible]	Ba[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.12[illegible]	[illegible]	.0107	.0111	.1119	.0075
SDev	.0053	[illegible]	.01[illegible]	[illegible]	.0001	.0000	.001[illegible]
%RSD	513.4	[illegible]	[illegible]	[illegible]	.0251	.0103	[illegible]
#1	.0047	.1501	.0100	.0109	.0111	.1156	.0085
#2	-.0027	.1029	[illegible]	.0105	.0110	.1143	.0065

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0411	208.4	.0283	-.0320	.2029	2.395	.0079
SDev	.0057	.8	.00[illegible]	.0011	.1982	.022	.0004
%RSD	13.99	.3949	15.00	[illegible]	97.66	.9278	4.56[illegible]
#1	.0370	207	.0313	-.0313	.0431	2.379	.0082
#2	.0451	209.0	.0253	-.0328	.0628	2.410	.0077

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9951	.0082	-.0145	.1155	.0212	.0094	.0451
SDev	.0222	.0021	.0206	.0670	.0077	.0000	.0143
%RSD	2.234	25.38	142.8	58.05	36.56	.0009	31.48
#1	.9794	.0097	-.0291	.0681	.0157	.0094	.0555
#2	1.011	.0068	.0001	.1629	.0267	.0094	.0353

942

000480

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.4230	.0079
SDev	.0012	.0007
%RSD	.2867	9.334

#1	-.4238	.0084
#2	-.4221	.0071

Method: EMS2 Sample Name: 9303106 2G:5000 Operator: SLK
Run Time: 06/10/94 11:01:17
Comment:
Method: CONC Sample Factor: 1

Elem	Al3082	Ni3082	[illegible]	Ba1934	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	[illegible]	[illegible]
Avge	-.0015	.1137	[illegible]	.0[illegible]	[illegible]	.1113	[illegible]
SDev	.0012	.0277	.0010	.0011	.0002	.0033	.0013
%RSD	82.81	25.3[illegible]	[illegible].72	10.1	[illegible]	[illegible]	17.00
#1	-.0024	.1333	.0168	.0091	.0132	[illegible]	.0077
#2	-.0001	.0932	.0171	.0105	.0136	.1099	.0093

Elem	[illegible]	[illegible]	Cd2247	Fe2599	[illegible]	Mg2790	Mn2576
Units	[illegible]	ppm	ppm	[illegible]	[illegible]	ppm	ppm
Avge	.0388	202.3	[illegible]	-.0081	[illegible]	[illegible]	[illegible]
SDev	.0032	2.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
%RSD	7.471	1.170	17.06	9.151	350.3	[illegible]	5.050
#1	.0367	201.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	.0409	200.7	[illegible]	-.0091	-.0111	[illegible]	.0092

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se19[illegible]	Sr4215	Ti1989
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7[illegible]	.0091	-.0018	.0011	.0058	.0081	[illegible]
SDev	[illegible]	.0013	.0040	[illegible]	.0113	.0003	.0056
%RSD	2.586	16.15	22.59	[illegible]	[illegible]	3.000	13.[illegible]
#1	.7451	.0063	-.0076	.0110	-.0043	.0082	.0263
#2	.7732	.0124	-.0020	.1532	.0159	.0087	.0342

84%

%RPD=10%

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.4220	.0096
SDev	.0150	.0000
%RSD	3.545	.2277
#1	-.4326	.0096
#2	-.4114	.0097

Method: EMS2 Sample Name: C157238 2G:50 Operator: SLK
Run Time: 06/10/94 14:08:14
Comment:
Method: CONC Sample Factor: 1

Elem	Ag3280	Al3082	As1937	Ba4934	Be3130	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k-.0108	k18.01	k.9495	.1019	k.0006	55262.	k.0187
SDev	.0321	.37	.3066	.0000	.0000	.	.0006
%RSD	297.1	2.056	32.29	.0000	0.000	.0026	105.3

#1	k-.0335	k17.74	k.7327	.1019	k.0006	55262.	k.0187
#2	k.0119	k18.27	k1.166	.1019	k.0006	55261	.0321

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.2626	k.0187	.3711	6021.0	k15.76	12711.	k.0[illegible]
SDev	.0[illegible]	.0038	.0[illegible]	001.5	1.12	[illegible]	[illegible]
%RSD	.1702	[illegible]	1.035	96.23	[illegible]	.2227	[illegible]

#1	k.2629	[illegible]	.3171	[illegible]	[illegible]	[illegible]	[illegible]
#2	k.2623	[illegible]	.3717	[illegible]	[illegible]	[illegible]	[illegible]

Elem	[illegible]	Ni2316	Pb2203	Sb2068	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	[illegible]	[illegible]	.1787	[illegible]	[illegible]	[illegible]	[illegible]
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

#1	k8.388	[illegible]	k.6198	[illegible]	[illegible]	[illegible]	[illegible]
#2	k8.388	[illegible]	k1.011	[illegible]	[illegible]	[illegible]	[illegible]

Elem	V_2924	[illegible]
Units	ppm	ppm
Avge	k1.112	[illegible]
SDev	.001	[illegible]
%RSD	.1017	[illegible]

#1	k1.113	[illegible]
#2	k1.166	k23.10

Method: EM82 Sample Name: CCV-K Operator: SLK
Run Time: 06/10/[illegible] [illegible]
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.038	5.311	5.418	5.303	5.211	[illegible]	[illegible]
SDev	.001	.005	.057	.010	.013	.021	.020
%RSD	.1236	.0869	1.060	.1951	.2539	[illegible]	.3697

#1	1.039	5.338	5.378	5.295	5.205	5.311	5.342
#2	1.037	5.314	5.459	5.310	5.224	5.285	5.370

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.326	5.392	5.418	5.482	5.014	5.450	5.331
SDev	.012	.015	.017	.090	.084	.029	.000
%RSD	.2287	.2732	.3138	1.634	1.678	.5290	.0068

#1	5.317	5.382	5.406	Q5.545	5.073	5.470	5.330
#2	5.334	5.403	5.430	5.418	4.955	5.429	5.331

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Mean	[illegible]	[illegible]	[illegible]	Q[illegible]	[illegible]	[illegible]	[illegible]
SDev	.021	.006	[illegible]	[illegible]	.007	[illegible]	.031
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	[illegible]	[illegible]	5.407	[illegible]	[illegible]	[illegible]	[illegible]
#2	5.351	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Mean	[illegible]	[illegible]
SDev	[illegible]	[illegible]
%RSD	[illegible]	[illegible]
#1	[illegible]	[illegible]
#2	[illegible]	[illegible]

Method: EMS2 Sample Name: BLK01-R Operator: SLK
Run Time: 06/10/94 14:17:01
Comment:
Mode: CONC Conv. Factor: 1

Elem	Ag3280	Al3082	As1890	Ba4554	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0100	Q.0230	Q.0020	Q.0010	Q.0002	Q.0140	Q.0009
SDev	.0000	.0150	.0010	.0003	.0001	.0038	.0022
%RSD	.0014	65.42	70.10	11.11	271.3	25.35	240.2
#1	Q-.0100	Q.0315	Q.0170	Q.0011	Q.0003	Q.0171	Q.0024
#2	Q-.0099	Q.0145	Q.0011	Q.0009	Q-.0001	Q.0109	Q-.0007

Elem	Co3286	Cr2677	Cu3247	Fe2714	K_7664	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0019	Q-.0010	Q.0710	Q.0411	Q-.1530	Q.0198	Q-.0008
SDev	.0037	.0044	.0003	.0017	.0004	.0010	.0001
%RSD	187.0	327	4.01	18.08	44.10	11.55	47.12
#1	Q-.0006	Q-.0030	.0021	Q.0127	Q-.1511	Q.0178	Q-.0007
#2	Q.0044	Q.0011	Q.0007	Q.0294	Q-.2022	Q.0218	Q-.0010

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.1017	Q-.0000	.0107	Q.0511	Q-.0012	Q.0011	Q-.0001
SDev	.0027	.0001	.0101	.0101	.0001	.0007	.0170
%RSD	1.021	37.15	97.17	77.01	7.33	501.1	401.7
#1	Q.1001	Q-.0001	Q.0177	Q.0577	Q-.0010	Q-.0001	Q-.0185
#2	Q.1043	Q.0000	Q.0036	Q.0070	Q-.0011	Q.0006	Q.0002

Elem	V 2924	Zn2138
Units	ppm	ppm
Avge	Q.0026	Q.0118
SDev	.0021	.0001
%RSD	80.17	1.13
#1	Q.0010	Q.0121
#2	Q.0043	Q.0001

Method: EMS2 Sample Name: [illegible] 2:1 Operator: CLK
Run Time: 06/10/94 14:[illegible]
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	[illegible]	Ba4934	Be3130	Cd3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0101	.1915	[illegible]	.0000	.0092	.1988	.0505
SDev	.0004	[illegible]	.0050	.0013	.0000	.0032	.0017
%RSD	4.211	[illegible]	[illegible]	.0000	.3004	[illegible]	3.277
#1	-.0098	.1761	.0007	-.0009	.0092	.1965	.0493
#2	-.0104	[illegible]	[illegible]	.0009	[illegible]	.2011	.0517

Elem	Co2286	[illegible]	Cu3247	[illegible]	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	[illegible]	[illegible]	.0169	.0012	-.0053	[illegible]
SDev	.0011	[illegible]	[illegible]	.0010	.1472	[illegible]	.005
%RSD	48.79	[illegible]	[illegible]	17.61	11990.	15.16	.3779
#1	[illegible]	[illegible]	[illegible]	.0122	.1051	[illegible]	[illegible]
#2	-.0015	[illegible]	[illegible]	[illegible]	-.1030	[illegible]	[illegible]

Elem	Na5889	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	[illegible]	[illegible]	.1157	[illegible]	.0122
SDev	.077	[illegible]	.0167	.007	.0236	.0003	.0160
%RSD	1.576	[illegible]	[illegible]	[illegible]	24.7%	[illegible]	[illegible]
#1	[illegible]	[illegible]	[illegible]	-.0080	[illegible]	[illegible]	.0001
#2	[illegible]	[illegible]	[illegible]	.0101	[illegible]	[illegible]	.0230

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0007	[illegible]
SDev	.0040	[illegible]
%RSD	595.0	[illegible]
#1	-.0035	1.102
#2	.0021	1.109

Method: EMS2 Sample Name: [illegible] 10:1 Operator: CLK
Run Time: 06/10/94 14:[illegible]
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	[illegible]	Ba1934	Be3130	Cd3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0111	1.850	1.541	.0005	.0518	.0883	.2489
SDev	.0019	.011	.009	.0020	.0005	.0004	.0039
%RSD	17.06	.6161	.5219	377.1	1.052	.5036	1.569
#1	-.0097	1.850	1.536	.0020	.0514	.0886	.2461
#2	-.0124	1.866	1.547	-.0009	.0521	.0880	.2517

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7661	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0043	.1340	4.610	.0022	.0781	-.0817	6.375
SDev	.0030	.0051	.031	.0021	.3578	.0490	.042
%RSD	69.11	3.811	.6717	93.99	457.9	59.91	.6525
#1	-.0022	.1377	4.588	.0036	.3311	-.0471	6.345
#2	-.0065	.1301	4.632	.0007	-.1740	-.1163	6.401

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.912	2.988	.3155	.0293	.5750	-.0312	.0251
SDev	.023	.015	.0536	.0276	.0210	.0000	.0127
%RSD	.5679	.4955	17.00	94.00	1.161	70.[illegible]	50.00
#1	1.933	2.977	.3534	.0098	.5928	-.0000	.0315
#2	1.891	2.999	.2776	.0433	.5500	.0012	.0164

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0001	.510
SDev	.0001	.011
%RSD	5520.	.0000
#1	.0022	5.477
#2	-.0021	5.543

Method: EM82 Sample [illegible]: C156257 20.1 [illegible]
Run Time: 06/10/91 11:30:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	[illegible]	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0082	3.481	3.007	.0016	.1030	[illegible]	.1029
SDev	.0015	.007	.014	.0000	.0001	.0000	.0028
%RSD	18.48	.2041	.4632	.0000	.0072	[illegible]	[illegible]
#1	-.0071	3.476	2.997	.0016	.1029	.1121	[illegible]
#2	-.0093	3.486	3.016	.0016	.1033	.1121	[illegible]

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7661	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0090	.2623	9.012	.0047	.0880	-.1315	12.49
SDev	.0000	.0045	.035	.0005	.3578	.0072	.03
%RSD	.3966	1.723	.3840	11.21	406.4	5.474	.2722
#1	-.0090	.2591	8.988	.0044	.3410	-.1264	12.46
#2	-.0090	.2654	9.037	.0051	-.1650	-.1366	12.51

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.580	5.804	.5913	.0482	1.093	-.0007	.0210
SDev	.040	.017	.0576	.0080	.032	.0002	.0352
%RSD	.4696	.2992	9.737	16.50	2.940	23.55	167.8

#1	8.552	5.792	.5506	.0426	1.071	-.0008	-.0039
#2	8.609	5.816	.6320	.0539	1.116	-.0006	.0459

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0028	8.864
SDev	.0039	.030
%RSD	139.4	.3369
#1	.0000	8.843
#2	.0055	8.885

Method: EMS2 Sample Name: C156257 2:1 #2 Operator: SLK
Run Time: 06/18/94 [illegible]:20
Comment:
Mode: CONC Conc. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Cd2179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.0015
SDev	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0017
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	[illegible]	[illegible]	.0153	1.701	[illegible]	[illegible]	-.0027
#2	[illegible]	[illegible]	[illegible]	1.807	[illegible]	[illegible]	.0003

Elem	Co2280	[illegible]	Cu3247	Fe2599	[illegible]	Mg[illegible]	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	-.0001	.0011	[illegible]	[illegible]	.0003
SDev	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0004
%RSD	[illegible]	[illegible]	.0000	642.0	[illegible]	[illegible]	111.3
#1	-.0021	.0024	-.0001	[illegible]	[illegible]	.0026	.0005
#2	-.0010	[illegible]	-.0001	.005[illegible]	[illegible]	[illegible]	.0000

Elem	Na58[illegible]	[illegible]	Pb2203	Sb2[illegible]	[illegible]	[illegible]	Tl1900
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	-.0111	.0645	[illegible]	-.0012	-.0271
SDev	.0322	[illegible]	.0022	.0510	[illegible]	.0002	.0128
%RSD	[illegible]	[illegible]	15.58	79.00	[illegible]	[illegible]	[illegible].32
#1	[illegible]	.0040	-.0159	.0285	[illegible]	-.0011	-.0361
#2	[illegible]	.0049	-.0128	.1006	[illegible]	[illegible]	-.0180

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0013	.0025
SDev	.0029	.0023
%RSD	217.4	90.36
#1	.0007	.0042
#2	-.0033	.0009

Method: EMS2 Sample Name: [illegible]156257 10:1 #2 Operator: SLK
Run Time: 06/10/94 11:37:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3710	.1319	-.0098	8.[illegible]	-.0013	.0569	-.0007
SDev	.0004	.0080	.0018	.071	.0000	.0014	.0006
%RSD	.1218	5.925	19.12	.7082	2.736	2.[illegible]	84.[illegible]
#1	.3707	.1106	-.0061	9.016	-.0013	.0[illegible]	-.0011
#2	.3713	.1[illegible]	-.0131	8.015	-.0013	.0579	-.0003

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0057	.0039	-.0009	.1687	.0026	-.0018
SDev	.0027	.0[illegible]	[illegible]	.0005	.2138	.0[illegible]	.0001
%RSD	105.9	231.[illegible]	80.91	63.16	111.5	353.6	20.21
#1	.0007	.0038	.0012	-.0005	.3410	[illegible]	[illegible]
#2	.0045	.0152	.0047	-.0013	-.0037	.0001	.0022

Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0059	.0[illegible]	.0071	.0011	-.0015	.0[illegible]	.0[illegible]
SDev	.0002	.0010	.0432	.0177	.0105	.0001	.0[illegible]
%RSD	.0[illegible]	193.[illegible]	115.[illegible]	52.1[illegible]	231.[illegible]	1[illegible]	31.83
#1	.9[illegible]	-.0[illegible]	.0[illegible]	.0577	.0029	.0001	.0[illegible]
#2	.9[illegible]	[illegible]	.0[illegible]	.1251	-.0120	.0[illegible]	.0[illegible]

Elem	V_2[illegible]	Zn2138
Units	ppm	ppm
Avge	.0[illegible]	.0[illegible]
SDev	.0011	.0[illegible]
%RSD	636.7	11.[illegible]
#1	.0012	.0[illegible]
#2	-.0008	.0[illegible]

Method: EMS2 Sample Name: [illegible]156257 20:1 #2 Operator: SLK
Run Time: 06/1[illegible]/94 11:11:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7697	.1783	-.0128	18.18	-.0013	.1170	-.0012
SDev	.0021	.0062	.0203	.08	.0001	.0004	.0015
%RSD	.2786	3.482	158.1	.4482	4.888	.3856	129.9
#1	.7682	.1826	.0015	18.13	-.0012	.1174	-.0022
#2	.7712	.1739	-.0272	18.24	-.0013	1167	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	.0041	.0022	.0017	.0052	.1790	.0166	-.0013
SDev	.0016	.0057	.0018	.0004	.1754	.0019	.0004
%RSD	39.49	256.1	106.1	7.802	97.[illegible]	11.26	28.27
#1	.0029	.0063	.0030	.0055	.3038	.0180	-.0010
#2	.0052	-.0018	.0004	.0049	.0558	.0153	-.0015

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.321	-.0022	.0191	.3212	.0132	[illegible]	[illegible]
SDev	.097	.0010	.0104	.0908	.0011	.0002	.0017
%RSD	7.341	[illegible]	[illegible]	[illegible]	[illegible]	7.071	[illegible]
#1	1.390	-.0035	.0117	.2560	[illegible]	[illegible]	.1813
#2	1.253	[illegible]	.0264	.3854	[illegible]	[illegible]	.1365

Elem	V_2924	[illegible]
Units	ppm	ppm
Avge	[illegible]	.0177
SDev	[illegible]	[illegible]
%RSD	[illegible]	11.7[illegible]
#1	[illegible]	[illegible]
#2	-.0020	[illegible]

Method: EMS2 Sample Name: C150177 MIX Operator: [illegible]
Run Time: 06/10/[illegible] [illegible]
Comment:
Mode: CONC [illegible]

Elem	Ag3280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0111	[illegible]	.0103	.0055	[illegible]	[illegible]	[illegible]
SDev	.0009	.0030	.0031	.0015	[illegible]	[illegible]	.0005
%RSD	[illegible]	5.61[illegible]	[illegible]	27.37	[illegible]	[illegible]	[illegible]
#1	-.0159	.0060	.0081	.0066	-.0012	17.[illegible]	-.0003
#2	-.011	[illegible]	.0125	.0045	[illegible]	17.80	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7661	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0031	.0017	.0082	.0093	51.67	23.50	-.0022
SDev	.0048	.0028	.0049	.0011	.11	.01	.0004
%RSD	141.3	180.[illegible]	59.55	11.60	.2172	.1655	15.51
#1	-.0068	-.0001	.0116	.0086	51.75	23.53	-.0021
#2	-.0000	.0035	.0047	.0101	51.59	23.47	-.0026

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	85.69	-.0030	.0164	.0965	.0161	.0004	.0006
SDev	.16	.0063	.0285	.0566	.0216	.0003	.0126
%RSD	.1891	211.9	61.47	58.68	131.2	94.44	1977.
#1	85.81	-.0074	.0263	.0565	.0314	.0001	.0095
#2	85.58	.0015	.0666	.1366	.0008	.0006	-.0082

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0020	.0003
SDev	.0004	.0005
%RSD	19.78	150.0
#1	.0022	.0007
#2	.0017	-.0000

Method: EMS2 Sample Name: C156178 MB [illegible]
Run Time: 06/10/94 11:49:15
Comment:
Mode: CONC [illegible] Factor: 1

Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Avge	-.0127	[illegible]	[illegible]	.0022	[illegible]	[illegible]	-.0011
SDev	.0001	[illegible]	[illegible]	.0000	[illegible]	[illegible]	[illegible]
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	[illegible]	[illegible]	[illegible]	.0031	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Avge	-.0013	[illegible]	.0039	.0011	[illegible]	[illegible]	.0013
SDev	.0011	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	[illegible]	[illegible]	[illegible]	.0070	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	.0021	.0010	[illegible]	[illegible]	.0021

Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	[illegible]	ppm	ppm	[illegible]	[illegible]	[illegible]
Avge	102.1	[illegible]	.0106	.0127	[illegible]	[illegible]	.0077
SDev	.7	[illegible]	.0003	.0012	[illegible]	[illegible]	.0170
%RSD	[illegible]	[illegible]	[illegible]	10.03	[illegible]	[illegible]	223.2
#1	102.0	[illegible]	-.0108	.0135	[illegible]	[illegible]	.0116
#2	102.2	[illegible]	[illegible]	.0118	[illegible]	[illegible]	[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0020	.0017
SDev	.0003	.0011
%RSD	14.61	63.54
#1	.0018	.0009
#2	.0022	.0024

Method: EMS2 Sample Name: C156194 BB Operator: SLK
Run Time: 06/10/94 14:53:10
Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Cd3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	[illegible]	-.0107	-.0007	[illegible]	[illegible]	[illegible]
SDev	.0038	.0201	.0068	.0018	[illegible]	[illegible]	.0002
%RSD	201.5	38.05	37.04	247.5	[illegible]	[illegible]	20.22
#1	-.0045	.0670	-.0231	-.0020	-.0013	.1360	-.0008
#2	.0008	[illegible]	-.0135	[illegible]	-.0012	[illegible]	-.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0007
%RSD	64.76	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Elem	[illegible]	[illegible]
Units	ppm	ppm
Avge	[illegible]	[illegible]
SDev	[illegible]	[illegible]
%RSD	[illegible]	[illegible]
#1	[illegible]	[illegible]
#2	[illegible]	[illegible]

Method: EMS2 Sample Name: [illegible] [illegible]
Run Time: [illegible]
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Cd3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.019	5.224	5.417	5.231	5.173	5.196	5.326
SDev	.001	.005	.025	.021	.015	.012	.016
%RSD	.1044	.1007	.4605	.4052	.2955	.2390	.3018
#1	1.018	5.221	5.435	5.246	5.184	5.205	5.337
#2	1.020	5.228	5.399	5.216	5.162	5.187	5.315

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.274	5.372	5.374	5.255	5.056	5.293	5.277
SDev	.019	.014	.022	.012	.103	.016	.011
%RSD	.3605	.2668	.4181	.2254	2.045	.3053	.2124

#1	5.287	5.382	5.390	5.263	5.129	5.282	5.235
#2	5.261	5.361	5.358	5.247	4.982	5.305	5.270

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.229	5.304	5.243	Q1.106	5.346	5.279	5.335
SDev	.031	.020	.059	.021	.056	.023	.082
%RSD	.5938	.3771	1.132	2.186	1.107	.4369	1.5[illegible]

#1	5.207	5.318	5.285	Q1.123	5.388	5.295	5.276
#2	5.251	5.290	5.201	1.089	1.301	5.263	5.393

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.251	5.231
SDev	.019	.023
%RSD	.3667	.4371

#1	5.268	5.247
#2	5.240	5.215

Method: EMS2 Sample [illegible]
Run Time: [illegible]
Comment:
Mode: [illegible]

Elem	Ag3280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	.0033	.0031	.0001	.0011	.0000	[illegible]	[illegible]
%RSD	19.29	[illegible]	[illegible]	80.81	[illegible]	[illegible]	[illegible]

#1	Q-.0192	Q.0150	Q.0216	Q.0020	Q-.0001	[illegible]	Q.0011
#2	Q-.0146	Q.0275	Q.0215	Q.0005	Q-.0001	[illegible]	Q.0011

Elem	Co2286	Cr2677	Cu3247	Fe2[illegible]	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0002	Q.0017	Q.0039	Q.0012	Q.0285	Q.0116	Q.0010
SDev	.0007	.0052	.0000	.0000	.2216	[illegible]	.0001
%RSD	135.9	112.1	.0000	22.17	775.1	[illegible]	[illegible]

#1	Q.0006	Q.0085	Q.0030	Q.0019	Q.1018	Q.0001	Q.0010
#2	Q-.0003	Q.0010	Q.0030	Q.0036	Q-.1277	Q.0000	Q.0015

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.1532	Q.0039	Q.0021	Q.0593	Q.0130	Q-.0002	Q-.0099
SDev	.0139	.0037	.0285	.0231	.0155	.0005	.0286
%RSD	9.097	125.1	72.99	39.25	119.0	211.8	48.51

#1	Q.1631	Q.0056	Q.0593	Q.0753	Q.0021	Q.0001	Q-.0387
#2	Q.1431	Q.0003	Q.0189	Q.0426	Q.0240	Q-.0006	Q-.0792

Elem	V_2924	Zn2138
Units	ppm	ppm

Avge	0.0020	0-.0001
SDev	.0002	.0015
%RSD	10.80	357.[illegible]
#1	0.0021	0.0008
#2	0.0018	0-.0015

Method: EMS2 Sample Name: C157[illegible] 20:5000 Operator: SLK
Run Time: 06/[illegible] 15:07:[illegible]
Comment:
Mode: CONC Conv. Factor: 1

Elem	Ag[illegible]	Al[illegible]	As[illegible]	Ba[illegible]	Be[illegible]	[illegible]	Cd[illegible]
Units	ppm	ppm	[illegible]	ppm	ppm	[illegible]	ppm
[illegible]	[illegible]	.2683	[illegible]	.0011	[illegible]	[illegible]	[illegible]
SDev	.0011	.0316	[illegible]	.0013	[illegible]	[illegible]	.0012
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1077	[illegible]
#1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	.0021	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Avg	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	.0010	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0001
%RSD	[illegible]	[illegible]	7.857	.0281	[illegible]	.0508	.1180
#1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ppm	[illegible]
Avg	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	.0081	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0031
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.531	[illegible]
#1	.0102	[illegible]	.0017	[illegible]	-.0070	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0019	[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0160	.2520
SDev	.0057	.0033
%RSD	35.80	.1302
#1	.0120	.2529
#2	.0201	.2524

Method: EMS2 Sample Name: C157239 20:5000 Operator: SLK
Run Time: 06/10/94 15:11:30
Comment:
Mode: CONC Conv. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	-.0106	1.572	-.0010	.0121	-.0011	22.95	-.0084
SDev	.0069	.011	.0159	.0018	.0000	.01	.0024
%RSD	65.05	.6915	397.0	11.56	2.049	.0345	29.13
#1	-.0057	1.561	.0072	.0109	-.0011	22.94	-.0101
#2	-.0155	1.579	-.0153	.0131	-.0011	22.95	-.0066

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.1112	.0176	39.69	.6912	5.798	1.867
SDev	.0000	.0067	.0012	.01	.7928	.002	.000
%RSD	.7239	6.008	[illegible]	.1152	111.7	[illegible]	.0191
#1	.0010	.1065	[illegible]	[illegible]	1.252	5.797	[illegible]
#2	.0010	.1159	[illegible]	39.72	.1306	5.799	1.867

Elem	Na5889	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	[illegible]	ppm	ppm	ppm	ppm
Avge	1.037	.0976	[illegible]	[illegible]	.0288	[illegible]	[illegible]
SDev	.061	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
%RSD	5.879	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	1.080	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Elem	V_2924	Zn2139
Units	ppm	ppm
Avge	.0616	.1861
SDev	.0079	.0020
%RSD	12.[illegible]	.1121
#1	[illegible]	[illegible]
#2	.0671	.4875

Method: EMS2 Sample Name: [illegible] Operator: [illegible]
Run Time: 06/10/94 15:15:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0136	.2400	[illegible]	[illegible]	.0012	11.27	[illegible]
SDev	.0031	.0396	.0090	[illegible]	.0000	.01	.0017
%RSD	22.86	16.52	[illegible]	33.30	2.726	[illegible]	[illegible]
#1	-.0158	.2680	-.0253	.0030	-.0012	11.26	-.0132
#2	-.0114	.2120	-.0125	.0020	-.0012	11.23	-.0108

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	.0671	.0228	117.6	.0100	3.071	1.632
SDev	.0032	.0006	.0049	.2	.1283	.009	.000
%RSD	82.95	.8605	21.35	.1470	1281.	.2913	.0000
#1	.0061	.0675	.0193	117.4	.1007	3.077	1.632
#2	.0016	.0667	.0262	117.7	-.0807	3.064	1.632

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.178	.0111	.6002	-.2163	-.0166	-.0011	-.0001
SDev	.049	.0005	.0040	.0406	.0186	.0002	.0058
%RSD	4.135	4.369	.6611	18.76	111.6	3.758	7060.
#1	1.212	.0114	.6030	-.1876	-.0035	-.0012	-.0042
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.0040	.0040

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	[illegible]	[illegible]
SDev	[illegible]	[illegible]
%RSD	[illegible]	[illegible]
#1	[illegible]	[illegible]
#2	[illegible]	[illegible]

Method: [illegible] Sample [illegible] Operator: [illegible]

Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0003
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	-.0063	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Mg2790	Na2570
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0035	[illegible]	[illegible]	[illegible]	.7223	[illegible]	1.361
SDev	.0011	.0029	.0012	[illegible]	[illegible]	[illegible]	.001
%RSD	908.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	[illegible]	.0653	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	-.0036	.0612	.0056	[illegible]	[illegible]	[illegible]	[illegible]

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.053	-.0032	.0642	-.0193	-.0067	.0148	-.0329
SDev	.018	.0016	.0313	.0063	.0221	.0003	.0290
%RSD	1.710	[illegible]	48.70	32.53	[illegible]	2.286	88.14
#1	1.066	-.0041	.0863	-.0148	.0089	.0151	-.0121
#2	1.040	-.0021	.0421	-.0237	-.0227	.0146	-.0531

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0486	.0939
SDev	.0029	.0014
%RSD	5.896	1.497

#1	.0506	[illegible]
#2	.0166	.0949

Method: EMS2 Sample Name: C157212 2G:5000 Operator: SLK
Run Time: [illegible] 15:2[illegible].22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0222	[illegible]	-.0010	.0155	-.0010	[illegible]	.0001
SDev	.0000	[illegible]	[illegible]	.0010	.0000	[illegible]	.0007
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	2.200	[illegible]	[illegible]
#1	-.0222	[illegible]	-.0121	[illegible]	-.0010	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	[illegible]	-.0010	[illegible]	[illegible]

Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Avge	.0011	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	[illegible]	[illegible]	[illegible]	31.71	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SDev	[illegible]	[illegible]	[illegible]	.0132	[illegible]	[illegible]	[illegible]
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	[illegible]	.0007	[illegible]	[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0032	10.98
SDev	.0021	[illegible]
%RSD	97.62	[illegible]
#1	.0010	10.97
#2	.0053	10.99

Method: EMS2 Sample Name: C157213 2G:5000 Operator: SLK
Run Time: 06/10/94 15:27:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0135	.9871	.0016	.0080	-.0010	7.968	-.0017
SDev	.0022	.0140	.0244	.0000	.0000	.067	.0001
%RSD	16.18	1.421	1539.	.0000	3.305	.8456	1.505

#1	-.0150	.9970	.0188	.0080	-.0010	8.010	-.0017
#2	-.0120	.9772	-.0156	.0080	-.0010	7.920	-.0048

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0567	.0137	40.71	.0187	2.385	.0717
SDev	.0034	.0042	.0018	.21	.2467	[illegible]	[illegible]
%RSD	436.8	7.320	13.26	.5917	[illegible]	.1111	[illegible]

#1	-.0016	.0597	.0150	[illegible]	[illegible]	[illegible]	.0756
#2	.0032	.0538	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	Ni2316	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.0111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.0013	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

#1	[illegible]	[illegible]	[illegible]	-.0010	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

#1	[illegible]	[illegible]
#2	[illegible]	[illegible]

[illegible] Run Time [illegible]
[illegible]
[illegible] Replicate 1

B126628

Elem	[illegible]	Al3082	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	[illegible]	ppm	ppm	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	-.0551	[illegible]	[illegible]	[illegible]	[illegible]
SD	[illegible]	[illegible]	.0012	[illegible]	[illegible]	[illegible]	[illegible]
%RSD	[illegible]	1.110	2.100	[illegible]	[illegible]	[illegible]	[illegible]

#1	-.0012	5.758	-.0566	[illegible]	-.0012	[illegible]	[illegible]
#2	.0052	[illegible]	[illegible]	.0014	-.0012	[illegible]	[illegible]

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1519	1.732	15.37	[illegible]	[illegible]	.0215	.1400
SDev	.0023	.003	.08	[illegible]	[illegible]	.0011	.0010
%RSD	.5093	[illegible]	.5373	[illegible]	[illegible]	.7154	.7260

6.2% RPD

#1	.4535	1.730	15.31	60.37	.5162	.6250	.5412
#2	.4503	1.734	15.43	60.91	.0616	.6187	.5508

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	5.014	1.762	1.067	-.1107	-.0033	.0167	-.0028
SDev	.012	.003	.003	.0255	.0237	.0007	.0208
%RSD	.2476	.1553	.2[illegible]	23.23	715.3	1.893	732.1
#1	5.006	1.761	1.069	-.0919	.0101	.0172	-.0176
#2	5.023	1.763	1.065	-.1281	-.0200	.0162	.0119

Elem	V_2021	Zn2138
Units	ppm	ppm
Avge	.0161	1.021
SDev	.0017	.011
%RSD	3.[illegible]	.1771
#1	.0173	1.[illegible]
#2	.0150	1.[illegible]

Method: EPA [illegible] SDA 1.5 [illegible]

C157156

Analyst:

Wt / SDNS [illegible]

Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Avge	[illegible]	[illegible]	[illegible]	.0011	[illegible]	[illegible]	.0011
SDev	.0[illegible]	[illegible]	[illegible]	.0006	.0000	.0056	.0012
%RSD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31.01	[illegible]
#1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
#2	[illegible]	[illegible]		.0	[illegible]	[illegible]	[illegible]
Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Avge	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.0012
SDev	.0007	[illegible]	[illegible]	[illegible]	[illegible]	.0071	.0001
%RSD	[illegible]	[illegible]	[illegible]	51.81	[illegible]	[illegible]	10.70
#1	.0052	10.31	[illegible]	.0112	[illegible]	.0071	[illegible]
#2	.0053	10.3	-.0000	.0011	-.0000	[illegible]	-.0020
Elem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	[illegible]	[illegible]	.0101	[illegible]	-.0126	[illegible]	-.0007
SDev	.0213	.0010	.0002	.0100	.0012	.0000	.0060
%RSD	7.307	111.5	[illegible]	474.7	9.274	.0311	70.92
#1	.1327	.0015	-.0253	-.0233	-.0131	-.0013	-.0043
#2	.1070	.0002	.0156	.0376	-.0119	-.0013	-.0116

Elem	V_2021	Zn2138
Units	ppm	ppm
Avge	-.0860	-.0005
SDev	.0006	.0014
%RSD	.6972	281.1
#1	-.0871	.0005
#2	-.0865	-.0015

5'RPD

5'RPD

Method: EMS2 Sample Name: CCV-R Operator: SLK
Run Time: 06/10/94 15:39:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.036	5.297	Q5.504	5.316	5.252	5.286	5.489
SDev	.009	.006	.042	.030	.021	.030	.027
%RSD	.8765	.1181	.7617	.5696	.4033	.5647	.4966
#1	1.029	5.301	5.474	5.295	5.237	5.265	5.390
#2	1.042	5.293	Q5.504	5.338	5.267	5.307	5.420

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.374	5.465	5.471	5.352	5.102	5.357	5.364
SDev	.024	.021	.018	.028	.170	.035	.027
%RSD	.4551	.3881	.3216	.5268	3.337	.6462	.5056
#1	5.357	5.450	5.463	5.332	5.223	5.332	5.345
#2	5.391	5.480	5.480	5.372	4.982	5.382	5.384

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Sr4215	Ti1698
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.342	5.390	5.354	1.079	5.462	5.381	5.[illegible]
SDev	.101	.052	.035	.037	.008	.035	.011
%RSD	1.893	.9660	.0939	3.461	.1551	.6[illegible]	.2578
#1	5.271	5.353	5.357	1.053	5.456	5.3[illegible]	5.372
#2	5.414	5.427	5.[illegible]	Q1.1[illegible]	5.4[illegible]	5.[illegible]	5.[illegible]

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.323	5.285
SDev	.025	.020
%RSD	.4781	.3842
#1	5.305	5.271
#2	5.341	5.300

Method: EMS2 Sample Name: BLA01-R Operator: SLK
Run Time: 06/10/94 15:43:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0132	Q.0287	Q.0[illegible]	Q.0011	Q-.0006	Q.0079	Q-.0006
SDev	.0012	.0106	.0122	.0008	.0002	.0042	.0024
%RSD	9.435	36.71	342.3	70.71	28.24	52.95	423.7
#1	Q-.0124	Q.0362	Q.0122	Q.0016	Q-.0007	Q.0109	Q-.0022
#2	Q-.0141	Q.0213	Q-.0051	Q.0005	Q-.0005	Q.0050	Q.0011

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7[illegible]	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0029	Q.001[illegible]	Q-.0000	Q.0036	Q.0[illegible]	Q.0026	Q-.0015
SDev	.0014	.0013	.0018	.0006	[illegible]	.0018	.0007
%RSD	46.51	91.13	[illegible]	15.32	1216.	67.14	47.14
#1	Q.0039	Q.0015	Q .0013	Q.0040	Q.0012	Q.0039	Q-.0010
#2	Q.0020	Q.0076	Q.0013	Q.0032	Q-.0013	Q.0011	Q-.0020

Elem	Na5[illegible]	[illegible]	Pb2203	Sb2068	[illegible]	[illegible]1015	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.2921	Q.00[illegible]	Q.0618	Q.0819	Q.0112	Q-.0005	Q-.0009
SDev	.0111	.0101	.0005	.0039	.0133	.0002	.0577
%RSD	15.21	[illegible]	.0113	15.08	118.1	35.33	6526.
#1	Q.2[illegible]	Q.[illegible]	Q.0611	Q.1121	Q.0[illegible]	[illegible]	Q-.0117
#2	Q.2[illegible]	[illegible]	Q.0[illegible]	Q.0[illegible]73	[illegible]	[illegible]	[illegible]

Elem	V_2[illegible]	Zn2[illegible]
Units	ppm	ppm

000500