

Attachment C: Data-Validation Cover Sheet

☒ Rejected Data

Section I

Request Number: 18681

Validation Date: 4/20/06

Lab Code: NA

Contract Laboratory Name: Maxwell S-Cubed Laboratories

Validator: Eric T. Mink

Organization: Analytical Quality Associates, Inc.

Analytical Suite (check all that apply):

☐ Volatile Organics

☐ Semivolatile Organics

☐ Organochlorine Pesticides/Polychlorinated Biphenyls

☐ High Explosives

☒ Inorganics

☐ Radiochemistry

Other (describe): Metals

Section II - Completeness Check

Yes No n/a (check one)

☒ ☐ ☐ 1. Chain-of-custody form(s)

☒ ☐ ☐ 2. Case narrative

☒ ☐ ☐ 3. Sample result forms

☐ ☐ ☒ 4. Sample chromatograms

☐ ☐ ☒ 5. Standard chromatograms

Yes No n/a (check one)

☒ ☐ ☐ 6. Raw/BSS data

☒ ☐ ☐ 7. Quality control forms

☐ ☐ ☒ 8. Quantitation reports

☐ ☐ ☒ 9. TICs forms

☐ ☐ ☒ 10. TICs mass spectra

Identify any samples in the assigned Request Number that are missing:

None

Comments/problems noted (include information about requests for further information submitted to the contract laboratory and agreed-upon date of resolution and contract laboratory point of contact): (Page 1 of 2)

1. All reported sample results that were "B" flagged by the lab were qualified J,I1.
2. Samples AAB3295, -3304, -3321, -3325, -3332, -3336, -3340, -3342, -3352, -3353, -3428 -- -3431, -3433, -3435, -3438, and -3525 were analyzed past 2X the appropriate hold time for Hg. The Hg results for samples -3295, -3304, -3332, -3336, -3342, -3353, -3428, -3430, -3433, and -3435 were detects and, thus, were qualified J-,I9a. All other associated Hg sample results were non-detects (NDs) and, thus, were qualified R,I9a. Samples -3298, -3355, -3398, -3401, -3445, -3451, -3461, -3470, -3473, -3476, -3477, -3480, -3485, -3503, -3504, and -3530 were analyzed >1X but ≤2X the appropriate hold time for Hg. The Hg results for samples -3298, -3401, -3461, -3470, -3473, and -3476 were detects and, thus, were qualified J-,I9. All other associated Hg sample results were non-detects (NDs) and, thus, were qualified UJ,I9.
3. In one or more CCVs, the %Rs for Ba, K, and Na were > the UWL but ≤ the UAL. All the associated sample results were detects and, thus, were qualified J+,I16b.
4. In both of the LCSs, the %Rs for Al were > the UWL. All the Al sample results were detects and, thus, were qualified J+,I6a.
5. In both of the matrix spikes, the %Rs for Sb and Se were <75% but ≥30% and the %Rs for Cd was <30%. All of the Cd sample results were qualified R,I3f. The Sb results for samples -3353 and -3503 were detects and, thus, were qualified J-,I3e. All other associated sample results were NDs and, thus, were qualified UJ,I3e. In one MS, the %R for Mn was >125% but ≤150% and the %R for Cu was >150%. All of the associated sample results were detects. Thus, the Mn sample results were qualified J+,I3d, and the Cu sample results were qualified J+,I3c. The MS results for Al, Ca, K, Fe, Mg, Hg, and Na were not reported. No sample results were qualified, based on professional judgment.

Validator's signature:

Eric T. Mink

Date: 4/20/06

SOP-15.01, R1

Los Alamos National Laboratory
RRES-Remediation Program

Request Number: 18681

Comments/problems noted: (page 2 of 2)

Analytical Suite: Metals

6. In one of the MBs, Fe was detected. All the Fe sample results were detects >5X the associated blank concentration and, thus, were not qualified.
7. In the SD associated with sample -3503, the RPD for Fe was >10%, and the undiluted parent sample result was >50X the DL. Thus, the parent sample result was qualified J,118b.
8. It should be noted that the Form 1s and QC summary forms for several of the samples were found in the data package for Request Number 18658. No sample data were qualified as a result.

Attachment D. Inorganic Data-Validation Checklist

Yes	No	(check one)	Assign qualifier listed below if criteria = Yes	
			Detected analyte	Undetected analyte
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. The preparation Blank (PB), ICB, or CCB was not analyzed with the samples.	R, I4	R, I4
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. The analyte detected in PB and the sample result for the analyte $\leq 5x$ the amount in PB.	U, I4a	N/A
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. The initial or continuing calibration verification (ICV or CCV) was not analyzed with the samples.	R, I16	R, I16
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. The ICV or CCV recovery is $>UAL$.	R, I16a	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. The ICV or CCV recovery is $>UWL$ and $\leq UAL$.	J+, I16b	N/A
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. The ICV or CCV recovery is $<LWL$ but $\geq LAL$.	J-, I16c	UJ, I16c
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. The ICV or CCV recovery is $<LAL$.	R, I16d	R, I16d
<input type="checkbox"/>	<input checked="" type="checkbox"/>	8. For ICPMS and CN analyses: The correlation coefficient is <0.995 ?	R, I16e	R, I16e
<input type="checkbox"/>	<input checked="" type="checkbox"/>	9. The interference check sample (ICS) was not analyzed with the samples.	R, I7	R, I7
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10. The ICS recovery is $>120\%$.	J+, I7a	N/A
<input type="checkbox"/>	<input checked="" type="checkbox"/>	11. The ICS recovery is $\geq 50\%$ and $<80\%$.	J-, I7b	UJ, I7b
<input type="checkbox"/>	<input checked="" type="checkbox"/>	12. The ICS recovery is $<50\%$.	R, I7c	R, I7d
<input type="checkbox"/>	<input checked="" type="checkbox"/>	13. The MS was not analyzed with the sample without explanation.	R, I3	R, I3
<input type="checkbox"/>	<input checked="" type="checkbox"/>	14. Insufficient sample volume for MS analyses was provided.	J, I3a	UJ, I3a
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. An MS analysis was performed on a non-LANL sample.	J, I3b	UJ, I3b
<input checked="" type="checkbox"/>	<input type="checkbox"/>	16. The MS recovery was $>150\%^*$.	J+, I3c	UJ, I3c
<input checked="" type="checkbox"/>	<input type="checkbox"/>	17. The MS recovery was $>125\%$ and $\leq 150\%$.	J+, I3d	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	18. The MS recovery was $\geq 30\%$ and $<75\%$.	J-, I3e	UJ, I3e
<input checked="" type="checkbox"/>	<input type="checkbox"/>	19. The MS recovery was $<30\%$.	R, I3f	R, I3f
<input type="checkbox"/>	<input checked="" type="checkbox"/>	20. A duplicate sample was not analyzed without explanation.	J, I10	UJ, I10
<input type="checkbox"/>	<input checked="" type="checkbox"/>	21. Insufficient sample volume for duplicate sample analysis was provided.	J, I10a	UJ, I10a
<input type="checkbox"/>	<input checked="" type="checkbox"/>	22. A duplicate sample was performed on a non-LANL sample.	J, I10b	UJ, I10b
<input type="checkbox"/>	<input checked="" type="checkbox"/>	23. Both the sample and the duplicate are $\geq 5x$ RL, and the RPD is >20 for water samples or >35 for soil samples	J, I10c	UJ, I10c
<input type="checkbox"/>	<input checked="" type="checkbox"/>	24. Either the sample or Dup is $<5x$ the RL and the sample and Dup results are not within $\pm 1x$ the RL for water or $\pm 2x$ the RL for soil.	J, I10d	UJ, I10d
<input type="checkbox"/>	<input checked="" type="checkbox"/>	25. The LCS was not analyzed with the samples.	R, I6	R, I6
<input checked="" type="checkbox"/>	<input type="checkbox"/>	26. The LCS recovery was $>the UWL$.	J+, I6a	N/A
<input type="checkbox"/>	<input checked="" type="checkbox"/>	27. The LCS recovery was $\geq LAL$ and $<LWL$.	J-, I6b	UJ, I6b
<input type="checkbox"/>	<input checked="" type="checkbox"/>	28. The LCS recovery was $<the LAL$.	R, I6c	R, I6c
<input type="checkbox"/>	<input checked="" type="checkbox"/>	29. The serial dilution sample was not analyzed with the samples.	J, I18	UJ, I18
<input type="checkbox"/>	<input checked="" type="checkbox"/>	30. The serial dilution sample was performed on a non-LANL sample.	J, I18a	UJ, I18a
<input checked="" type="checkbox"/>	<input type="checkbox"/>	31. The RPD between the sample and the serial dilution sample is >10 , and the undiluted sample result is $>50x$ the DL ($>100x$ for ICPMS).	J, I18b	UJ, I18b
<input checked="" type="checkbox"/>	<input type="checkbox"/>	32. The sample was analyzed past the appropriate hold time.	J-, I9	UJ, I9
<input checked="" type="checkbox"/>	<input type="checkbox"/>	33. The sample was analyzed past double the hold time.	J-, I9a	R, I9a
<input checked="" type="checkbox"/>	<input type="checkbox"/>	34. B-flagged sample results are present.	J, I1	N/A
<input type="checkbox"/>	<input checked="" type="checkbox"/>	35. Other obvious data quality issues are identified.	___, I19	___, I19

SOP-15.05, R1

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* If the sample result is $>4x$ the spike added, MS recovery criteria do not apply.

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

18548

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-01

Level (low/med): LOW Date Received: 08/27/94

% Solids: 92.6

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	6980			P	J+,16a
7440-36-0	Antimony	3.9	U	N	P	UJ,13e
7440-38-2	Arsenic	1.4	B	N	P	J,11
7440-39-3	Barium	255			P	
7440-41-7	Beryllium	0.56	B		P	J,11
7440-43-9	Cadmium	0.76	B	N	P	R,13f/J,11
7440-70-2	Calcium	2530			P	
7440-47-3	Chromium	6.9			P	
7440-48-4	Cobalt	4.7	B		P	J,11
7440-50-8	Copper	53.1		N	P	J+,13c
7439-89-6	Iron	8840			P	
7439-92-1	Lead	10.9		N	P	
7439-95-4	Magnesium	1760			P	
7439-96-5	Manganese	364		N	P	J+,13d
7439-97-6	Mercury	0.21			CV	J-,19
7440-02-0	Nickel	7.2	B		P	J,11
7440-09-7	Potassium	1420			P	J+,116b
7782-49-2	Selenium	0.56	U	N	P	UJ,13e
7440-22-4	Silver	0.65	U		P	
7440-23-5	Sodium	110	B		P	J,11
7440-28-0	Thallium	0.67	U	N	P	
7440-62-2	Vanadium	20.1			P	
7440-66-6	Zinc	31.2			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

 Comments: ETM
 4605-01_94.18548 4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

18551

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-02

Level (low/med): LOW Date Received: 08/27/94

% Solids: 89.3

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	30700			P	J+,16a
7440-36-0	Antimony	4.0	U	N	P	UJ,13e
7440-38-2	Arsenic	5.2		N	P	
7440-39-3	Barium	650			P	
7440-41-7	Beryllium	1.6			P	
7440-43-9	Cadmium	1.0	B	N	P	R,13f / J,11
7440-70-2	Calcium	10000			P	
7440-47-3	Chromium	13.7			P	
7440-48-4	Cobalt	11.1	B		P	J,11
7440-50-8	Copper	12.0		N	P	J+,13c
7439-89-6	Iron	19300			P	
7439-92-1	Lead	18.1		N	P	
7439-95-4	Magnesium	3680			P	
7439-96-5	Manganese	588		N	P	J+,13d
7439-97-6	Mercury	0.14			CV	J-,19a
7440-02-0	Nickel	13.0			P	
7440-09-7	Potassium	1890			P	J+,116b
7782-49-2	Selenium	0.58	U	N	P	UJ,13e
7440-22-4	Silver	0.67	U		P	
7440-23-5	Sodium	1340			P	
7440-28-0	Thallium	0.69	U	N	P	
7440-62-2	Vanadium	33.7			P	
7440-66-6	Zinc	31.3			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-02 94.18551

ETM

4/21/06

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

18555

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-03

Level (low/med): LOW Date Received: 08/27/94

% Solids: 97.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3000			P	J+,16a
7440-36-0	Antimony	3.7	U	N	P	UJ,13e
7440-38-2	Arsenic	1.8	B	N	P	J,11
7440-39-3	Barium	108			P	
7440-41-7	Beryllium	35.5			P	
7440-43-9	Cadmium	0.41	U	N	P	R,13f
7440-70-2	Calcium	3150			P	
7440-47-3	Chromium	20.2			P	
7440-48-4	Cobalt	2.2	B		P	J,11
7440-50-8	Copper	550		N	P	J+,13c
7439-89-6	Iron	5260			P	
7439-92-1	Lead	175		N	P	
7439-95-4	Magnesium	902	B		P	J,11
7439-96-5	Manganese	102		N	P	J+,13d
7439-97-6	Mercury	0.10	U		CV	UJ,19
7440-02-0	Nickel	15.9			P	
7440-09-7	Potassium	454	B		P	J+,16b / J,11
7782-49-2	Selenium	0.54	U	N	P	UJ,13e
7440-22-4	Silver	0.70	B		P	J,11
7440-23-5	Sodium	90.9	B		P	J,11
7440-28-0	Thallium	0.64	U	N	P	
7440-62-2	Vanadium	7.8	B		P	J,11
7440-66-6	Zinc	60.1			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments: ETM
4605-03 94.18555 4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

18557

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-04

Level (low/med): LOW Date Received: 08/27/94

‡ Solids: 92.7

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	18300			P	J+,16a
7440-36-0	Antimony	3.9	U	N	P	UJ,13e
7440-38-2	Arsenic	4.1		N	P	
7440-39-3	Barium	271			P	
7440-41-7	Beryllium	2.5			P	
7440-43-9	Cadmium	0.43	U	N	P	R,13f
7440-70-2	Calcium	3150			P	
7440-47-3	Chromium	10.0			P	
7440-48-4	Cobalt	8.3	B		P	J,11
7440-50-8	Copper	147		N	P	J+,13c
7439-89-6	Iron	16100			P	
7439-92-1	Lead	23.6		N	P	
7439-95-4	Magnesium	2800			P	
7439-96-5	Manganese	509		N	P	J+,13d
7439-97-6	Mercury	0.11	U		CV	UJ,19
7440-02-0	Nickel	11.7			P	
7440-09-7	Potassium	2250			P	J+,16b
7782-49-2	Selenium	0.56	U	N	P	UJ,13e
7440-22-4	Silver	0.65	U		P	
7440-23-5	Sodium	156	B		P	J,11
7440-28-0	Thallium	0.67	U	N	P	
7440-62-2	Vanadium	25.6			P	
7440-66-6	Zinc	52.1			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-04 94.18557

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4/21/06

FORM I - IN

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

18560

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-05

Level (low/med): LOW Date Received: 08/27/94

% Solids: 94.9

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	18000			P	J+,16a
7440-36-0	Antimony	3.8	U	N	P	UJ,13e
7440-38-2	Arsenic	3.3		N	P	
7440-39-3	Barium	834			P	
7440-41-7	Beryllium	1.1			P	
7440-43-9	Cadmium	0.59	B	N	P	R,13f/J,11
7440-70-2	Calcium	2540			P	
7440-47-3	Chromium	8.1			P	
7440-48-4	Cobalt	6.4	B		P	J,11
7440-50-8	Copper	7720		N	P	J+,13c
7439-89-6	Iron	12900			P	
7439-92-1	Lead	58.2		N	P	
7439-95-4	Magnesium	1860			P	
7439-96-5	Manganese	397		N	P	J+,13d
7439-97-6	Mercury	1.4			CV	J-,19
7440-02-0	Nickel	57.3			P	
7440-09-7	Potassium	1710			P	J+,116b
7782-49-2	Selenium	0.55	U	N	P	UJ,13e
7440-22-4	Silver	0.63	U		P	
7440-23-5	Sodium	170	B		P	J,11
7440-28-0	Thallium	0.65	U	N	P	
7440-62-2	Vanadium	18.8			P	
7440-66-6	Zinc	309			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-05 94.18560

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4/21/06

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

18561

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-06

Level (low/med): LOW Date Received: 08/27/94

% Solids: 83.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	21400			P	J+,16a
7440-36-0	Antimony	4.3	U	N	P	UJ,13e
7440-38-2	Arsenic	3.8		N	P	
7440-39-3	Barium	159			P	
7440-41-7	Beryllium	1.8			P	
7440-43-9	Cadmium	1.0	B	N	P	R,13f / J,11
7440-70-2	Calcium	3510			P	
7440-47-3	Chromium	13.7			P	
7440-48-4	Cobalt	5.8	B		P	J,11
7440-50-8	Copper	11.1		N	P	J+,13c
7439-89-6	Iron	13800			P	
7439-92-1	Lead	8.1		N	P	
7439-95-4	Magnesium	3890			P	
7439-96-5	Manganese	358		N	P	J+,13d
7439-97-6	Mercury	0.11	U		CV	UJ,19
7440-02-0	Nickel	12.1			P	
7440-09-7	Potassium	2370			P	J+,116b
7782-49-2	Selenium	0.63	U	N	P	UJ,13e
7440-22-4	Silver	0.72	U		P	
7440-23-5	Sodium	1240			P	
7440-28-0	Thallium	0.75	U	N	P	
7440-62-2	Vanadium	22.2			P	
7440-66-6	Zinc	31.5			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

Comments:

4605-06 94.18561

ETM
4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: S_CUBED Contract: 32507-3073

20311

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-07

Level (low/med): LOW Date Received: 08/27/94

% Solids: 92.1

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	17900			P	J+,16a
7440-36-0	Antimony	3.9	U	N	P	UJ,13e
7440-38-2	Arsenic	4.3		N	P	
7440-39-3	Barium	251			P	
7440-41-7	Beryllium	1.0	B		P	J,11
7440-43-9	Cadmium	0.79	B	N	P	R,13f/J,11
7440-70-2	Calcium	2600			P	
7440-47-3	Chromium	11.9			P	
7440-48-4	Cobalt	7.7	B		P	J,11
7440-50-8	Copper	9.2		N	P	J+,13c
7439-89-6	Iron	17400			P	
7439-92-1	Lead	12.6		N	P	
7439-95-4	Magnesium	2760			P	
7439-96-5	Manganese	429		N	P	J+,13d
7439-97-6	Mercury	0.28			CV	J-,19a
7440-02-0	Nickel	9.8			P	
7440-09-7	Potassium	1690			P	J+,116b
7782-49-2	Selenium	0.56	U	N	P	UJ,13e
7440-22-4	Silver	0.65	U		P	
7440-23-5	Sodium	194	B		P	J,11
7440-28-0	Thallium	0.67	U	N	P	
7440-62-2	Vanadium	31.5			P	
7440-66-6	Zinc	30.0			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts: ETM

Comments:

4605-07_94.20311

4/21/06

FORM I - IN

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20312

Lab Name: S_CURED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-08

Level (low/med): LOW Date Received: 08/27/94

% Solids: 95.2

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14300			P	J+,16a
7440-36-0	Antimony	3.8	U	N	P	UJ,13e
7440-38-2	Arsenic	3.1		N	P	
7440-39-3	Barium	225			P	
7440-41-7	Beryllium	0.98	B		P	J,11
7440-43-9	Cadmium	3.2		N	P	R,13f
7440-70-2	Calcium	3190			P	
7440-47-3	Chromium	9.0			P	
7440-48-4	Cobalt	5.6	B		P	J,11
7440-50-8	Copper	43.9		N	P	J+,13c
7439-89-6	Iron	13300			P	
7439-92-1	Lead	91.2		N	P	
7439-95-4	Magnesium	2640			P	
7439-96-5	Manganese	340		N	P	J+,13d
7439-97-6	Mercury	0.11	U		CV	R,19a
7440-02-0	Nickel	8.9			P	
7440-09-7	Potassium	2710			P	J+,116b
7782-49-2	Selenium	0.55	U	N	P	UJ,13e
7440-22-4	Silver	0.63	U		P	
7440-23-5	Sodium	125	B		P	J,11
7440-28-0	Thallium	0.65	U	N	P	
7440-62-2	Vanadium	25.1			P	
7440-66-6	Zinc	43.6			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

 Comments: ETM
 4605-08_94.20312 4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

20313

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-09

Level (low/med): LOW Date Received: 08/27/94

% Solids: 97.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	13000			P	J+,I6a
7440-36-0	Antimony	3.7	U	N	P	UJ,I3e
7440-38-2	Arsenic	3.5		N	P	
7440-39-3	Barium	168			P	
7440-41-7	Beryllium	1.3			P	
7440-43-9	Cadmium	1.0	B	N	P	R,I3f/J,I1
7440-70-2	Calcium	1960			P	
7440-47-3	Chromium	9.3			P	
7440-48-4	Cobalt	7.8	B		P	J,I1
7440-50-8	Copper	40.9		N	P	J+,I3c
7439-89-6	Iron	13600			P	
7439-92-1	Lead	20.4		N	P	
7439-95-4	Magnesium	1980			P	
7439-96-5	Manganese	534		N	P	J+,I3d
7439-97-6	Mercury	0.10	U		CV	R,I9a
7440-02-0	Nickel	8.6			P	
7440-09-7	Potassium	2170			P	J+,I16b
7782-49-2	Selenium	0.54	U	N	P	UJ,I3e
7440-22-4	Silver	4.1			P	
7440-23-5	Sodium	87.4	B		P	J,I1
7440-28-0	Thallium	0.64	U	N	P	
7440-62-2	Vanadium	27.8			P	
7440-66-6	Zinc	38.4			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments: ETM
4605-09 94.20313 4/21/06

FORM I - IN

IIM03.0

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

20314

Lab Name: S_CURED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605

Matrix (soil/water): SOIL

Lab Sample ID: 4605-10

Level (low/med): LOW

Date Received: 08/27/94

* Solids: 98.6

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3630			P	J+,16a
7440-36-0	Antimony	3.7	U	N	P	UJ,13e
7440-38-2	Arsenic	2.4		N	P	
7440-39-3	Barium	55.7			P	
7440-41-7	Beryllium	0.40	B		P	J,11
7440-43-9	Cadmium	0.60	B	N	P	R,13f/J,11
7440-70-2	Calcium	1520			P	
7440-47-3	Chromium	2.5			P	
7440-48-4	Cobalt	1.7	B		P	J,11
7440-50-8	Copper	8.4		N	P	J+,13c
7439-89-6	Iron	5790			P	
7439-92-1	Lead	9.4		N	P	
7439-95-4	Magnesium	658	B		P	J,11
7439-96-5	Manganese	242		N	P	J+,13d
7439-97-6	Mercury	0.53			CV	J-,18a
7440-02-0	Nickel	2.2	B		P	J,11
7440-09-7	Potassium	719	B		P	J+,16b/J,11
7782-49-2	Selenium	0.53	U	N	P	UJ,13e
7440-22-4	Silver	0.61	U		P	
7440-23-5	Sodium	86.5	B		P	J,11
7440-28-0	Thallium	0.63	U	N	P	
7440-62-2	Vanadium	6.5	B		P	J,11
7440-66-6	Zinc	28.2			P	

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOWISH

Clarity After:

Artifacts:

Comments:

4605-10 94.20314

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ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20315

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-11

Level (low/med): LOW Date Received: 08/27/94

* Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	20200			P	J+,16a
7440-36-0	Antimony	4.0	U	N	P	UJ,13e
7440-38-2	Arsenic	3.5		N	P	
7440-39-3	Barium	214			P	
7440-41-7	Beryllium	1.1			P	
7440-43-9	Cadmium	1.0	B	N	P	R,13f/J,11
7440-70-2	Calcium	3430			P	
7440-47-3	Chromium	9.7			P	
7440-48-4	Cobalt	6.2	B		P	J,11
7440-50-8	Copper	8.6		N	P	J+,13c
7439-89-6	Iron	12600			P	
7439-92-1	Lead	11.5		N	P	
7439-95-4	Magnesium	2530			P	
7439-96-5	Manganese	326		N	P	J+,13d
7439-97-6	Mercury	0.10	U		CV	R,19a
7440-02-0	Nickel	9.4			P	
7440-09-7	Potassium	2520			P	J+,116b
7782-49-2	Selenium	0.57	U	N	P	UJ,13e
7440-22-4	Silver	0.66	U		P	
7440-23-5	Sodium	146	B		P	J,11
7440-28-0	Thallium	0.68	U	N	P	
7440-62-2	Vanadium	22.7			P	
7440-66-6	Zinc	25.5			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

 Comments: ETM
 4605-11_94.20315 4/21/06

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ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20316

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-12

Level (low/med): LOW Date Received: 08/27/94

% Solids: 98.1

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	7080			P	J+,16a
7440-36-0	Antimony	3.7	U	N	P	UJ,13e
7440-38-2	Arsenic	2.8		N	P	
7440-39-3	Barium	102			P	
7440-41-7	Beryllium	0.64	B		P	J,11
7440-43-9	Cadmium	0.68	B	N	P	R,13f/J,11
7440-70-2	Calcium	1400			P	
7440-47-3	Chromium	4.7			P	
7440-48-4	Cobalt	3.5	B		P	J,11
7440-50-8	Copper	15.4		N	P	J+,13c
7439-89-6	Iron	8400			P	
7439-92-1	Lead	15.7		N	P	
7439-95-4	Magnesium	1120			P	
7439-96-5	Manganese	303		N	P	J+,13d
7439-97-6	Mercury	0.10			CV	J-,19a
7440-02-0	Nickel	4.5	B		P	J,11
7440-09-7	Potassium	1270			P	J+,116b
7782-49-2	Selenium	0.53	U	N	P	UJ,13e
7440-22-4	Silver	0.61	U		P	
7440-23-5	Sodium	96.1	B		P	J,11
7440-28-0	Thallium	0.63	U	N	P	
7440-62-2	Vanadium	12.4			P	
7440-66-6	Zinc	30.7			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-12_94.20316

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4/21/06

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ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20317

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-13

Level (low/med): LOW Date Received: 08/27/94

‡ Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	6010			P	J+,18a
7440-36-0	Antimony	4.0	U	N	P	UJ,13e
7440-38-2	Arsenic	2.8		N	P	
7440-39-3	Barium	52.8			P	
7440-41-7	Beryllium	0.93	B		P	J,11
7440-43-9	Cadmium	0.44	U	N	P	R,13f
7440-70-2	Calcium	1190			P	
7440-47-3	Chromium	4.5			P	
7440-48-4	Cobalt	1.7	B		P	J,11
7440-50-8	Copper	14.6		N	P	J+,13c
7439-89-6	Iron	6980			P	
7439-92-1	Lead	14.0		N	P	
7439-95-4	Magnesium	955	B		P	J,11
7439-96-5	Manganese	189		N	P	J+,13d
7439-97-6	Mercury	0.11	U		CV	R,19a
7440-02-0	Nickel	5.9	B		P	J,11
7440-09-7	Potassium	763	B		P	J+,11b / J,11
7782-49-2	Selenium	0.57	U	N	P	UJ,13e
7440-22-4	Silver	0.66	U		P	
7440-23-5	Sodium	122	B		P	J,11
7440-28-0	Thallium	0.68	U	N	P	
7440-62-2	Vanadium	8.8	B		P	J,11
7440-66-6	Zinc	28.8			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

 Comments: ETM
 4605-13_94.20317 4/21/06

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20318

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605

Matrix (soil/water): SOIL

Lab Sample ID: 4605-14

Level (low/med): LOW

Date Received: 08/27/94

% Solids: 95.4

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4650			P	J-18a
7440-36-0	Antimony	8.6	B	N	P	J-18e / J,11
7440-38-2	Arsenic	6.6		N	P	
7440-39-3	Barium	83.2			P	
7440-41-7	Beryllium	17.1			P	
7440-43-9	Cadmium	0.59	B	N	P	R,13f / J,11
7440-70-2	Calcium	1860			P	
7440-47-3	Chromium	9.8			P	
7440-48-4	Cobalt	1.8	B		P	J,11
7440-50-8	Copper	4110		N	P	J+,13c
7439-89-6	Iron	5700			P	
7439-92-1	Lead	1250		N	P	
7439-95-4	Magnesium	863	B		P	J,11
7439-96-5	Manganese	140		N	P	J+,13d
7439-97-6	Mercury	0.12			CV	J-,18a
7440-02-0	Nickel	10			P	
7440-09-7	Potassium	697	B		P	J-,11b / J,11
7782-49-2	Selenium	0.55	U	N	P	U,13e
7440-22-4	Silver	0.77	B		P	J,11
7440-23-5	Sodium	89.2	B		P	J,11
7440-28-0	Thallium	0.65	U	N	P	
7440-62-2	Vanadium	8.4	B		P	J,11
7440-66-6	Zinc	71.2			P	

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOWISH

Clarity After:

Artifacts:

Comments:

4605-14 94.20318

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20319

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605

Matrix (soil/water): SOIL

Lab Sample ID: 4605-15

Level (low/med): LOW

Date Received: 08/27/94

* Solids: 92.2

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4850			P	J+,18a
7440-36-0	Antimony	3.9	U	N	P	UJ,13e
7440-38-2	Arsenic	2.4		N	P	
7440-39-3	Barium	111			P	
7440-41-7	Beryllium	10.6			P	
7440-43-9	Cadmium	0.43	U	N	P	R,13f
7440-70-2	Calcium	1930			P	
7440-47-3	Chromium	7.2			P	
7440-48-4	Cobalt	1.4	B		P	J,11
7440-50-8	Copper	1040		N	P	J+,13c
7439-89-6	Iron	5900			P	
7439-92-1	Lead	77.9		N	P	
7439-95-4	Magnesium	913	B		P	J,11
7439-96-5	Manganese	156		N	P	J+,13d
7439-97-6	Mercury	0.11	U		CV	UJ,19
7440-02-0	Nickel	8.4	B		P	J,11
7440-09-7	Potassium	759	B		P	J+,11b / J,11
7782-49-2	Selenium	0.56	U	N	P	UJ,13e
7440-22-4	Silver	0.65	U		P	
7440-23-5	Sodium	98.4	B		P	J,11
7440-28-0	Thallium	0.67	U	N	P	
7440-62-2	Vanadium	7.1	B		P	J,11
7440-66-6	Zinc	71.7			P	

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: COLORLESS

Clarity After:

Artifacts:

Comments:

4605-15_94.20319

ETM

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ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20320

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-16

Level (low/med): LOW Date Received: 08/27/94

% Solids: 93.4

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	20400			P	J+,16a
7440-36-0	Antimony	3.9	U	N	P	UJ,13e
7440-38-2	Arsenic	3.2		N	P	
7440-39-3	Barium	261			P	
7440-41-7	Beryllium	1.3			P	
7440-43-9	Cadmium	1.0	B	N	P	R,13f/J,11
7440-70-2	Calcium	2650			P	
7440-47-3	Chromium	11.4			P	
7440-48-4	Cobalt	8.1	B		P	J,11
7440-50-8	Copper	10.6		N	P	J+,13c
7439-89-6	Iron	15300			P	
7439-92-1	Lead	13.6		N	P	
7439-95-4	Magnesium	2740			P	
7439-96-5	Manganese	520		N	P	J+,13d
7439-97-6	Mercury	0.11	U		CV	UJ,19
7440-02-0	Nickel	10.9			P	
7440-09-7	Potassium	2840			P	J+,116b
7782-49-2	Selenium	0.56	U	N	P	UJ,13e
7440-22-4	Silver	0.64	U		P	
7440-23-5	Sodium	129	B		P	J,11
7440-28-0	Thallium	0.66	U	N	P	
7440-62-2	Vanadium	28.6			P	
7440-66-6	Zinc	34.8			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments: ETM
4605-16 94.20320 4/21/06

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20321

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-17

Level (low/med): LOW Date Received: 08/27/94

* Solids: 94.9

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16900			P	J+,16a
7440-36-0	Antimony	3.8	U	N	P	UJ,13e
7440-38-2	Arsenic	3.4		N	P	
7440-39-3	Barium	229			P	
7440-41-7	Beryllium	1.1			P	
7440-43-9	Cadmium	0.96	B	N	P	R,11/J,11
7440-70-2	Calcium	2920			P	
7440-47-3	Chromium	10.4			P	
7440-48-4	Cobalt	6.4	B		P	J,11
7440-50-8	Copper	49.4		N	P	J+,13c
7439-89-6	Iron	13600			P	
7439-92-1	Lead	48.5		N	P	
7439-95-4	Magnesium	2460			P	
7439-96-5	Manganese	371		N	P	J+,13d
7439-97-6	Mercury	0.27			CV	J-,19
7440-02-0	Nickel	9.6			P	
7440-09-7	Potassium	2500			P	J+,116b
7782-49-2	Selenium	0.55	U	N	P	UJ,13e
7440-22-4	Silver	0.63	U		P	
7440-23-5	Sodium	115	B		P	J,11
7440-28-0	Thallium	0.65	U	N	P	
7440-62-2	Vanadium	26.7			P	
7440-66-6	Zinc	35.3			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

 Comments: ETM
 4605-17_94.20321 4/21/06

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20322

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-18

Level (low/med): LOW Date Received: 08/27/94

% Solids: 89.4

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	22400			P	J+.16a
7440-36-0	Antimony	4.0	U	N	P	UJ.13e
7440-38-2	Arsenic	4.6		N	P	
7440-39-3	Barium	387			P	
7440-41-7	Beryllium	1.5			P	
7440-43-9	Cadmium	1.2		N	P	R.13f
7440-70-2	Calcium	5820			P	
7440-47-3	Chromium	13.3			P	
7440-48-4	Cobalt	5.3	B		P	J.11
7440-50-8	Copper	11.5		N	P	J+.13c
7439-89-6	Iron	17000			P	
7439-92-1	Lead	9.7		N	P	
7439-95-4	Magnesium	4240			P	
7439-96-5	Manganese	255		N	P	J+.13d
7439-97-6	Mercury	1.8			CV	J-.19
7440-02-0	Nickel	12.0			P	
7440-09-7	Potassium	3940			P	J+.116b
7782-49-2	Selenium	0.58	U	N	P	UJ.13e
7440-22-4	Silver	0.67	U		P	
7440-23-5	Sodium	1290			P	
7440-28-0	Thallium	0.69	U	N	P	
7440-62-2	Vanadium	26.0			P	
7440-66-6	Zinc	40.7			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments: ETM
4605-18 94.20322 4/21/06

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20323

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-19

Level (low/med): LOW Date Received: 08/27/94

% Solids: 96.3

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15500			P	J+,16a
7440-36-0	Antimony	3.7	U	N	P	UJ,13e
7440-38-2	Arsenic	3.6		N	P	
7440-39-3	Barium	179			P	
7440-41-7	Beryllium	1.0	B		P	J,11
7440-43-9	Cadmium	1.1		N	P	R,13f
7440-70-2	Calcium	1960			P	
7440-47-3	Chromium	10.9			P	
7440-48-4	Cobalt	8.6	B		P	J,11
7440-50-8	Copper	17.3		N	P	J+,13c
7439-89-6	Iron	14000			P	
7439-92-1	Lead	15.4		N	P	
7439-95-4	Magnesium	2280			P	
7439-96-5	Manganese	541		N	P	J+,13d
7439-97-6	Mercury	0.65			CV	J-,19
7440-02-0	Nickel	9.9			P	
7440-09-7	Potassium	2580			P	J+,116b
7782-49-2	Selenium	0.54	U	N	P	UJ,13e
7440-22-4	Silver	0.62	U		P	
7440-23-5	Sodium	94.8	B		P	J,11
7440-28-0	Thallium	0.64	U	N	P	
7440-62-2	Vanadium	28.4			P	
7440-66-6	Zinc	33.6			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts: ETM

Comments: 4605-19 94.20323 4/21/06

FORM I - IN

ILM03.0

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20324

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-20

Level (low/med): LOW Date Received: 08/27/94

% Solids: 97.9

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	12400			P	J+,16a
7440-36-0	Antimony	3.7	U	N	P	UJ,13e
7440-38-2	Arsenic	3.6		N	P	
7440-39-3	Barium	120			P	
7440-41-7	Beryllium	0.89	B		P	J,11
7440-43-9	Cadmium	0.87	B	N	P	R,11/J,11
7440-70-2	Calcium	2810			P	
7440-47-3	Chromium	8.1			P	
7440-48-4	Cobalt	4.7	B		P	J,11
7440-50-8	Copper	9.7		N	P	J+,13c
7439-89-6	Iron	11400			P	
7439-92-1	Lead	23.3		N	P	
7439-95-4	Magnesium	1890			P	
7439-96-5	Manganese	347		N	P	J+,13d
7439-97-6	Mercury	0.10	U		CV	UJ,19
7440-02-0	Nickel	7.0	B		P	J,11
7440-09-7	Potassium	2240			P	J+,116b
7782-49-2	Selenium	0.53	U	N	P	UJ,13e
7440-22-4	Silver	0.61	U		P	
7440-23-5	Sodium	111	B		P	J,11
7440-28-0	Thallium	0.63	U	N	P	
7440-62-2	Vanadium	18.0			P	
7440-66-6	Zinc	32.5			P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments: ETM
4605-20_94.20324 4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20325

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL_ Lab Sample ID: 4605-21_

Level (low/med): LOW_ Date Received: 08/27/94

% Solids: 93.2

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	5810			P	J+,16a
7440-36-0	Antimony	4.5	B	N	P	J-,13e/J,11
7440-38-2	Arsenic	3.1			P	
7440-39-3	Barium	110			P	J+,116b
7440-41-7	Beryllium	3.3			P	
7440-43-9	Cadmium	0.43	U	N*	P	R,13f
7440-70-2	Calcium	1690			P	
7440-47-3	Chromium	5.5			P	
7440-48-4	Cobalt	1.8	B		P	J,11
7440-50-8	Copper	900		*	P	
7439-89-6	Iron	6820		B	P	J,118b
7439-92-1	Lead	413		*	P	
7439-95-4	Magnesium	940	B		P	J,11
7439-96-5	Manganese	185			P	
7439-97-6	Mercury	0.11	U		CV	UJ,19
7440-02-0	Nickel	7.0	B		P	J,11
7440-09-7	Potassium	683	B		P	J+,116b/J,11
7782-49-2	Selenium	0.56	U	N	P	UJ,13e
7440-22-4	Silver	0.64	U	*	P	
7440-23-5	Sodium	120	B		P	J+,116b/J,11
7440-28-0	Thallium	0.67	U		P	
7440-62-2	Vanadium	8.9	B		P	J,11
7440-66-6	Zinc	77.6		*	P	

Color Before: BROWN_ Clarity Before: Texture: FINE_

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-21 94.20325

ETM

4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20326

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-22

Level (low/med): LOW Date Received: 08/27/94

* Solids: 93.4

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1700			P	J+,K _a
7440-36-0	Antimony	3.9	U	N	P	UJ,13 _e
7440-38-2	Arsenic	1.7	B		P	J,11
7440-39-3	Barium	28.7	B		P	J+,11 _b / J,11
7440-41-7	Beryllium	0.41	B		P	J,11
7440-43-9	Cadmium	0.43	U	N*	P	R,13 _f
7440-70-2	Calcium	736	B		P	J,11
7440-47-3	Chromium	4.6			P	
7440-48-4	Cobalt	1.3	U		P	
7440-50-8	Copper	12.4		*	P	
7439-89-6	Iron	4250		E	P	
7439-92-1	Lead	12.4		*	P	
7439-95-4	Magnesium	217	B		P	J,11
7439-96-5	Manganese	270			P	
7439-97-6	Mercury	0.11	U		CV	UJ,19
7440-02-0	Nickel	7.0	B		P	J,11
7440-09-7	Potassium	325	B		P	J+,11 _b / J,11
7782-49-2	Selenium	0.56	U	N	P	UJ,13 _e
7440-22-4	Silver	0.64	U	*	P	
7440-23-5	Sodium	176	B		P	J+,11 _b / J,11
7440-28-0	Thallium	0.66	U		P	
7440-62-2	Vanadium	3.2	B		P	J,11
7440-66-6	Zinc	25.9		*	P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-22 94.20326

ETM

4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20327

Lab Name: S_CUBED Contract: 32507-3073Lab Code: S3 Case No.: 18681 SAS No.: _____ SDG No.: 4605_1Matrix (soil/water): SOIL Lab Sample ID: 4605-23Level (low/med): LOW Date Received: 08/27/94% Solids: 91.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2060			P	J+,16a
7440-36-0	Antimony	3.9	U	N	P	UJ,13e
7440-38-2	Arsenic	1.1	B		P	J,11
7440-39-3	Barium	19.9	B		P	J+,116b / J,11
7440-41-7	Beryllium	0.36	B		P	J,11
7440-43-9	Cadmium	0.44	U	N*	P	R,13f
7440-70-2	Calcium	460	B		P	J,11
7440-47-3	Chromium	1.8	B		P	J,11
7440-48-4	Cobalt	1.3	U		P	
7440-50-8	Copper	3.6	B	*	P	J,11
7439-89-6	Iron	6110		E	P	
7439-92-1	Lead	3.1		*	P	
7439-95-4	Magnesium	333	B		P	J,11
7439-96-5	Manganese	195			P	
7439-97-6	Mercury	0.11	U		CV	UJ,19
7440-02-0	Nickel	2.8	B		P	J,11
7440-09-7	Potassium	278	B		P	J+,116b7 J,11
7782-49-2	Selenium	0.57	U	N	P	UJ,13e
7440-22-4	Silver	0.65	U	*	P	
7440-23-5	Sodium	165	B		P	J+,116b / J,11
7440-28-0	Thallium	0.68	U		P	
7440-62-2	Vanadium	3.7	B		P	J,11
7440-66-6	Zinc	26.3		*	P	

Color Before: BROWN Clarity Before: _____ Texture: FINEColor After: COLORLESS Clarity After: _____ Artifacts: _____

Comments:

4605-23 94.20327

ETM

4/21/06

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ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20328

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-24

Level (low/med): LOW Date Received: 08/27/94

* Solids: 89.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2230			P	J+,18a
7440-36-0	Antimony	4.0	U	N	P	UJ,13e
7440-38-2	Arsenic	1.5	B		P	J,11
7440-39-3	Barium	58.1			P	J+,116b
7440-41-7	Beryllium	11.9			P	
7440-43-9	Cadmium	0.45	U	N*	P	R,13f
7440-70-2	Calcium	1190			P	
7440-47-3	Chromium	16.0			P	
7440-48-4	Cobalt	5.2	B		P	J,11
7440-50-8	Copper	784		*	P	
7439-89-6	Iron	5250		E	P	
7439-92-1	Lead	67.0		*	P	
7439-95-4	Magnesium	576	B		P	J,11
7439-96-5	Manganese	146			P	
7439-97-6	Mercury	1.1			CV	J-,19
7440-02-0	Nickel	10.6			P	
7440-09-7	Potassium	337	B		P	J+,116b/J,11
7782-49-2	Selenium	0.58	U	N	P	UJ,13e
7440-22-4	Silver	1.1	B	*	P	J,11
7440-23-5	Sodium	152	B		P	J+,116b/J,11
7440-28-0	Thallium	0.70	U		P	
7440-62-2	Vanadium	4.7	B		P	J,11
7440-66-6	Zinc	43.4		*	P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

Comments:

4605-24 94.20328

ETM
4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: S_CUBED

Contract: 32507-3073

20329

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605_1

Matrix (soil/water): SOIL

Lab Sample ID: 4605-25

Level (low/med): LOW

Date Received: 08/27/94

* Solids: 98.6

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	8260			P	J+,16a
7440-36-0	Antimony	3.7	U	N	P	UJ,13e
7440-38-2	Arsenic	3.2			P	
7440-39-3	Barium	89.0			P	J+,116b
7440-41-7	Beryllium	2.6			P	
7440-43-9	Cadmium	0.71	B	N*	P	R,13f/J,11
7440-70-2	Calcium	13400			P	
7440-47-3	Chromium	9.1			P	
7440-48-4	Cobalt	3.7	B		P	J,11
7440-50-8	Copper	49.0		*	P	
7439-89-6	Iron	8900		E	P	
7439-92-1	Lead	38.6		*	P	
7439-95-4	Magnesium	1740			P	
7439-96-5	Manganese	230			P	
7439-97-6	Mercury	0.16			CV	J-,19a
7440-02-0	Nickel	8.2			P	
7440-09-7	Potassium	1250			P	J+,116b
7782-49-2	Selenium	0.53	U	N	P	UJ,13e
7440-22-4	Silver	0.61	U	*	P	
7440-23-5	Sodium	156	B		P	J+,116b/J,11
7440-28-0	Thallium	0.63	U		P	
7440-62-2	Vanadium	15.0			P	
7440-66-6	Zinc	30.6		*	P	

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOWISH

Clarity After:

Artifacts:

Comments:

4605-25 94.20329

ETM

4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: S_CUBED Contract: 32507-3073

20330

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-26

Level (low/med): LOW Date Received: 08/27/94

% Solids: 97.5

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4270			P	J+,16a
7440-36-0	Antimony	3.7	U	N	P	UJ,13e
7440-38-2	Arsenic	2.2			P	
7440-39-3	Barium	65.6			P	J+,116b
7440-41-7	Beryllium	3.5			P	
7440-43-9	Cadmium	0.41	U	N*	P	R,13f
7440-70-2	Calcium	17600			P	
7440-47-3	Chromium	8.5			P	
7440-48-4	Cobalt	2.1	B		P	J,11
7440-50-8	Copper	67.3		*	P	
7439-89-6	Iron	6660		E	P	
7439-92-1	Lead	52.9		*	P	
7439-95-4	Magnesium	1230			P	
7439-96-5	Manganese	175			P	
7439-97-6	Mercury	0.10	U		CV	R,19a
7440-02-0	Nickel	5.2	B		P	J,11
7440-09-7	Potassium	664	B		P	J+,116b/J,11
7782-49-2	Selenium	0.53	U	N	P	UJ,13e
7440-22-4	Silver	0.71	B	*	P	J,11
7440-23-5	Sodium	147	B		P	J+,116b/J,11
7440-28-0	Thallium	0.64	U		P	
7440-62-2	Vanadium	11.7			P	
7440-66-6	Zinc	26.3		*	P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

Comments: ETM
4605-26_94.20330 4/21/06

FORM I - IN

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20331

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-27

Level (low/med): LOW Date Received: 08/27/94

% Solids: 98.6

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4850			P	J+,16a
7440-36-0	Antimony	3.7	U	N	P	UJ,13e
7440-38-2	Arsenic	2.5			P	
7440-39-3	Barium	85.1			P	J+,16b
7440-41-7	Beryllium	3.6			P	
7440-43-9	Cadmium	0.41	U	N*	P	R,13f
7440-70-2	Calcium	15900			P	
7440-47-3	Chromium	9.3			P	
7440-48-4	Cobalt	3.0	B		P	J,11
7440-50-8	Copper	111		*	P	
7439-89-6	Iron	7910		E	P	
7439-92-1	Lead	30.8		*	P	
7439-95-4	Magnesium	1360			P	
7439-96-5	Manganese	197			P	
7439-97-6	Mercury	0.17			CV	J-,19a
7440-02-0	Nickel	6.0	B		P	J,11
7440-09-7	Potassium	826	B		P	J+,16b / J,11
7782-49-2	Selenium	0.53	U	N	P	UJ,13e
7440-22-4	Silver	0.92	B	*	P	J,11
7440-23-5	Sodium	161	B		P	J+,16b / J,11
7440-28-0	Thallium	0.63	U		P	
7440-62-2	Vanadium	14.0			P	
7440-66-6	Zinc	30.5		*	P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

Comments:

4605-27 94.20331

ETM

4/21/06

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20332

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-28

Level (low/med): LOW Date Received: 08/27/94

% Solids: 96.7

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	7510			P	J+,16a
7440-36-0	Antimony	3.7	U	N	P	UJ,13e
7440-38-2	Arsenic	2.3			P	
7440-39-3	Barium	97.2			P	J+,116b
7440-41-7	Beryllium	1.8			P	
7440-43-9	Cadmium	0.99	B	N*	P	R,13f/J,11
7440-70-2	Calcium	7360			P	
7440-47-3	Chromium	6.9			P	
7440-48-4	Cobalt	3.5	B		P	J,11
7440-50-8	Copper	47.8		*	P	
7439-89-6	Iron	7740		E	P	
7439-92-1	Lead	22.1		*	P	
7439-95-4	Magnesium	1570			P	
7439-96-5	Manganese	220			P	
7439-97-6	Mercury	0.10	U		CV	R,19a
7440-02-0	Nickel	6.8	B		P	J+,116b/J,11
7440-09-7	Potassium	1270			P	J+,116b
7782-49-2	Selenium	0.54	U	N	P	UJ,13e
7440-22-4	Silver	0.77	B	*	P	J,11
7440-23-5	Sodium	123	B		P	J+,116b/J,11
7440-28-0	Thallium	0.64	U		P	
7440-62-2	Vanadium	13.9			P	
7440-66-6	Zinc	35.4		*	P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments: ETM
4605-28_94.20332 4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20333

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-29

Level (low/med): LOW Date Received: 08/27/94

* Solids: 98.6

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3760			P	J+,18a
7440-36-0	Antimony	3.7	U	N	P	UJ,13e
7440-38-2	Arsenic	2.2			P	
7440-39-3	Barium	89.7			P	J+,116b
7440-41-7	Beryllium	1.5			P	
7440-43-9	Cadmium	0.71	B	N*	P	R,13f/J,11
7440-70-2	Calcium	39000			P	
7440-47-3	Chromium	11.9			P	
7440-48-4	Cobalt	2.6	B		P	J,11
7440-50-8	Copper	127		*	P	
7439-89-6	Iron	7890		E	P	
7439-92-1	Lead	23.4		*	P	
7439-95-4	Magnesium	1520			P	
7439-96-5	Manganese	186			P	
7439-97-6	Mercury	0.78			CV	J-,18a
7440-02-0	Nickel	10.1			P	
7440-09-7	Potassium	495	B		P	J+,116b/J,11
7782-49-2	Selenium	0.53	U	N	P	UJ,13e
7440-22-4	Silver	1.4	B	*	P	J,11
7440-23-5	Sodium	162	B		P	J+,116b/J,11
7440-28-0	Thallium	0.63	U		P	
7440-62-2	Vanadium	16.3			P	
7440-66-6	Zinc	23.7		*	P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments: ETM
4605-29 94.20333 4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20334

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-30

Level (low/med): LOW Date Received: 08/27/94

‡ Solids: 95.9

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	10000			P	J+,16a
7440-36-0	Antimony	3.8	U	N	P	UJ,13e
7440-38-2	Arsenic	2.2			P	
7440-39-3	Barium	94.7			P	J+,116b
7440-41-7	Beryllium	2.1			P	
7440-43-9	Cadmium	0.70	B	N*	P	RJ,3f/J,11
7440-70-2	Calcium	8140			P	
7440-47-3	Chromium	6.6			P	
7440-48-4	Cobalt	3.3	B		P	J,11
7440-50-8	Copper	33.6		*	P	
7439-89-6	Iron	8890		E	P	
7439-92-1	Lead	21.5		*	P	
7439-95-4	Magnesium	1670			P	
7439-96-5	Manganese	200			P	
7439-97-6	Mercury	0.41			CV	J,13e
7440-02-0	Nickel	6.2	B		P	J,11
7440-09-7	Potassium	1340			P	J+,116b
7782-49-2	Selenium	0.54	U	N	P	UJ,13e
7440-22-4	Silver	0.63	U	*	P	
7440-23-5	Sodium	139	B		P	J+,116b/J,11
7440-28-0	Thallium	0.65	U		P	
7440-62-2	Vanadium	15.6			P	
7440-66-6	Zinc	29.5		*	P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-30 94.20334

ETM

4/21/06

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20335

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-31

Level (low/med): LOW Date Received: 08/27/94

* Solids: 94.5

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14200			P	J+,18a
7440-36-0	Antimony	3.8	U	N	P	UJ,13e
7440-38-2	Arsenic	5.0			P	
7440-39-3	Barium	143			P	J+,116b
7440-41-7	Beryllium	1.4			P	
7440-43-9	Cadmium	0.81	B	N*	P	R,13f/J,11
7440-70-2	Calcium	2640			P	
7440-47-3	Chromium	11.5			P	
7440-48-4	Cobalt	7.2	B		P	J,11
7440-50-8	Copper	19.0		*	P	
7439-89-6	Iron	14800		E	P	
7439-92-1	Lead	21.4		*	P	
7439-95-4	Magnesium	2000			P	
7439-96-5	Manganese	433			P	
7439-97-6	Mercury	0.11	U		CV	R,18a
7440-02-0	Nickel	9.9			P	
7440-09-7	Potassium	1950			P	J+,116b
7782-49-2	Selenium	0.55	U	N	P	UJ,13e
7440-22-4	Silver	0.63	U	*	P	
7440-23-5	Sodium	140	B		P	J+,116b/J,11
7440-28-0	Thallium	0.66	U		P	
7440-62-2	Vanadium	27.7			P	
7440-66-6	Zinc	32.7		*	P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-31 94.20335

ETM
4/21/06

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20336

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-32

Level (low/med): LOW Date Received: 08/27/94

% Solids: 89.6

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	18900			P	J+,16a
7440-36-0	Antimony	4.0	U	N	P	UJ,13e
7440-38-2	Arsenic	4.7			P	
7440-39-3	Barium	315			P	J+,116b
7440-41-7	Beryllium	1.4			P	
7440-43-9	Cadmium	0.98	B	N*	P	R,13f/ J,11
7440-70-2	Calcium	5910			P	
7440-47-3	Chromium	11.4			P	
7440-48-4	Cobalt	5.1	B		P	J,11
7440-50-8	Copper	11.3		*	P	
7439-89-6	Iron	15000		E	P	
7439-92-1	Lead	10.7		*	P	
7439-95-4	Magnesium	3760			P	
7439-96-5	Manganese	277			P	
7439-97-6	Mercury	0.11	U		CV	UJ,19
7440-02-0	Nickel	11.3			P	
7440-09-7	Potassium	3150			P	J+,116b
7782-49-2	Selenium	0.58	U	N	P	UJ,13e
7440-22-4	Silver	0.67	U	*	P	
7440-23-5	Sodium	1160			P	J+,116b
7440-28-0	Thallium	0.69	U		P	
7440-62-2	Vanadium	23.4			P	
7440-66-6	Zinc	35.7		*	P	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-32 94.20336

ETM

4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20337

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL_ Lab Sample ID: 4605-33_

Level (low/med): LOW_ Date Received: 08/27/94

* Solids: 96.2

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16200			P	J+,16a
7440-36-0	Antimony	3.7	U	N	P	UJ,13e
7440-38-2	Arsenic	3.4			P	
7440-39-3	Barium	143			P	J+,116b
7440-41-7	Beryllium	1.0	B		P	J,11
7440-43-9	Cadmium	1.4		N*	P	R,13f
7440-70-2	Calcium	2180			P	
7440-47-3	Chromium	11.9			P	
7440-48-4	Cobalt	7.5	B		P	J,11
7440-50-8	Copper	22.2		*	P	
7439-89-6	Iron	14000		E	P	
7439-92-1	Lead	30.1		*	P	
7439-95-4	Magnesium	2320			P	
7439-96-5	Manganese	365			P	
7439-97-6	Mercury	0.10	U		CV	R,19a
7440-02-0	Nickel	9.2			P	
7440-09-7	Potassium	2470			P	J+,116b
7782-49-2	Selenium	0.54	U	N	P	UJ,13e
7440-22-4	Silver	0.62	U	*	P	
7440-23-5	Sodium	186	B		P	J+,116a / J,11
7440-28-0	Thallium	0.64	U		P	
7440-62-2	Vanadium	28.1			P	
7440-66-6	Zinc	31.2		*	P	

Color Before: BROWN_ Clarity Before: Texture: FINE_

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-33_94.20337

ETM

4/21/06

FORM I - IN

ILM03.0

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20344

Lab Name: S_CURED _____ Contract: 32507-3073

Lab Code: S3 _____ Case No.: 18681 SAS No.: _____ SDG No.: 4605_1

Matrix (soil/water): SOIL _____ Lab Sample ID: 4605-40 _____

Level (low/med): LOW _____ Date Received: 08/27/94

% Solids: 98.2

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3510			P	J+,16a
7440-36-0	Antimony	3.7	U	N	P	UJ,13e
7440-38-2	Arsenic	2.9			P	
7440-39-3	Barium	34.6	B		P	J+,16b / J,11
7440-41-7	Beryllium	0.38	B		P	J,11
7440-43-9	Cadmium	0.78	B	N*	P	R,13f / J,11
7440-70-2	Calcium	806	B		P	J,11
7440-47-3	Chromium	3.5			P	
7440-48-4	Cobalt	1.6	B		P	J,11
7440-50-8	Copper	6.7		*	P	
7439-89-6	Iron	6500		E	P	
7439-92-1	Lead	11.3		*	P	
7439-95-4	Magnesium	552	B		P	J,11
7439-96-5	Manganese	165			P	
7439-97-6	Mercury	0.11			CV	J-,19a
7440-02-0	Nickel	2.7	B		P	J,11
7440-09-7	Potassium	563	B		P	J+,16b / J,11
7782-49-2	Selenium	0.53	U	N	P	UJ,13e
7440-22-4	Silver	0.64	B	*	P	J,11
7440-23-5	Sodium	128	B		P	J+,16b / J,11
7440-28-0	Thallium	0.63	U		P	
7440-62-2	Vanadium	7.3	B		P	J,11
7440-66-6	Zinc	28.3		*	P	

Color Before: BROWN _____ Clarity Before: _____ Texture: FINE _____

Color After: YELLOWISH _____ Clarity After: _____ Artifacts: _____

 Comments: ETM
 4605-40 94.20344 4/21/06

FORM I - IN

ILM03.0

Agreement	Sample Nbr	Customer Number	Date Collected
18681	94.20341	00.00517	16-AUG-94
18681	94.20343	00.00894	16-AUG-94
18681	94.20342	00.01450	16-AUG-94
18681	94.20338	00.28278	16-AUG-94
18681	94.20339	00.28279	16-AUG-94
18681	94.20340	00.28280	16-AUG-94
18681	94.20344	AAB3295	19-JUL-94
18681	94.18548	AAB3298	21-JUL-94
18681	94.20311	AAB3304	06-JUL-94
18681	94.20312	AAB3321	20-JUL-94
18681	94.20313	AAB3325	15-JUL-94
18681	94.18551	AAB3332	15-JUL-94
18681	94.20314	AAB3336	30-JUN-94
18681	94.20315	AAB3340	28-JUN-94
18681	94.20316	AAB3342	30-JUN-94
18681	94.20317	AAB3352	28-JUN-94
18681	94.20318	AAB3353	28-JUN-94
18681	94.18555	AAB3355	27-JUL-94
18681	94.20319	AAB3398	27-JUL-94
18681	94.20328	AAB3401	27-JUL-94
18681	94.20329	AAB3428	18-JUL-94
18681	94.20330	AAB3429	18-JUL-94
18681	94.20331	AAB3430	18-JUL-94
18681	94.20332	AAB3431	14-JUL-94
18681	94.20333	AAB3433	18-JUL-94
18681	94.20334	AAB3435	14-JUL-94
18681	94.20335	AAB3438	14-JUL-94
18681	94.18557	AAB3445	03-AUG-94
18681	94.20320	AAB3451	24-JUL-94
18681	94.20321	AAB3461	27-JUL-94
18681	94.20322	AAB3470	25-JUL-94
18681	94.18560	AAB3473	25-JUL-94
18681	94.20323	AAB3476	28-JUL-94
18681	94.18561	AAB3477	25-JUL-94
18681	94.20336	AAB3480	25-JUL-94
18681	94.20324	AAB3485	08-JUL-94
18681	94.20325	AAB3503	28-JUL-94
18681	94.20326	AAB3504	28-JUL-94
18681	94.20337	AAB3525	20-JUL-94
18681	94.20327	AAB3530	27-JUL-94

1076-

Control No. 11437

Send Lab Report Scott Kinkard MS J534

Site Work Plan LA-UR-92-3968

Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/94

1061

Date	Time
------	------

1

Return to office _____
 Disposed by ~~me~~ Asst Asst
 Identification number of member _____

SAMPLE TEAM (Print names and initials)

PINK Field Team Leader

Date 7/26/99

Technical Area 15

Operable Unit 1086

OU Contact Scott Kinkadee

Contact Phone No. **665-1760**

Control No. 19128

Send Lab Report Scott Kinross

Site Work Plan LA-QR-92-3968

Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/94

[illegible]

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

Date 7-20-94

Control No. 1-3131

Technical Area — 15

Operable Unit 1086

Send Lab Report Scott Kinkread
Site Work Plan LA-UR-92-3968

MS J534

OU Contact: Scott Kinkead

Date Samples Shipped 8/10/94

003-1/00

Date Lab Report Required 11/10/95

[illegible]

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

800 1.04, No

1046-

000000

Date 7/15/94

Technical Area 15

Operable Unit	1086
---------------	------

Scott Kinkread

Contact Phone No. 665-1760

Control No. 70-90

Send Lab Report Scott Kinkread

LA-UR-92-3968

Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/44

[illegible]

POSSIBLE HAZARD IDENTIFICATION
(Please describe all materials and hazardous materials and/or any suspected to contain high levels of hazardous substances.)

Radiochemical	✓	Highly Toxic	✓	Flammable	✓	Skin Irritant	✓	Nonhazardous	✓	Other	✓
---------------	---	--------------	---	-----------	---	---------------	---	--------------	---	-------	---

COMMENTS.

SAMPLING TEAM (Print names and initial)

R. Garnett,	
D. Dardar,	print 11/3/99
G. Evenson,	
T. McFarland	1/20/00

WHITE To accompany samples

YELLOW Records Processing Facility

PINK FIGHT TEEN LEADER

U.S.G.P.O.: 1999-778-065

18-24.1

Date 6/30/94

Control No. 00795Technical Area 15

Send Lab Report Scott Kinkadee

Operable Unit 1086

Site Work Plan
LA-UR-92-3968

OU Contact Scott Kinkadee

Date Samples Shipped 8/10/11

800-2700

Contact Phone No. _____

Date Lab Report Required 11/10/94

[illegible]

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

BCR 1.04, FE

Date 6/30/94

Technical Area 15

Operable Unit 1086

Scott Kinsread
OU Contact

003-1700

Contact Phone No. _____

Control No. 00101

Send Lab Report Scott Kinkadee

LA-UR-92-3968

Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/99

[illegible]

Received by
(Signature)
Affiliation

Date 8/10/04
Time 16:30

Relinquished by (Signature) Attestation	Received by (Signature) Attestation
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Date	Time
------	------

Relinquished by (Signature) Affiliation	Received by (Signature) Affiliation
---	---

[illegible]

	Date	
	Time	

(Please indicate if completely or moderately allergic and/or susceptible to certain high levels of hazardous substances.)

Respiratory	<input checked="" type="checkbox"/>	Highly Toxic	...	Flammable	...	Serious Irritant	...	Nonhazardous	...	Other	...
-------------	-------------------------------------	--------------	-----	-----------	-----	------------------	-----	--------------	-----	-------	-----

SAMPLE DISPOSAL

Return to client: _____ Disposal by lab: 1 Archive: _____ (Indicate number of months) _____

COMMENTS RC

SAMPLING TEAM (Print names and initials) R. Garnett, D. Dander, G. Evenson, T. McFarland

WRITE To accompany graphics

YELLOW Records Processing Facility

PINK Field Team Leads

Date 7/28/94

Control No. 275

Technical Area 15

Operable Unit 1086

OU Contact Scott Kirkread

Contact Phone No. 663-1760

Date Samples Shipped

Date Lab Report Required _____

U.S. G.P.O.: 1983. 776-246

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

1056

Date Lab Report Required 11-17-94

Relinquished by (Signature) Affiliation	Date	Relinquished by (Signature) Affiliation	Date
Relinquished by (Signature) Affiliation	Date	Relinquished by (Signature) Affiliation	Date
Received by (Signature) Affiliation	Date	Received by (Signature) Affiliation	Date

However, recently it has been reported that hazardous materials stored for the suspected to contain high levels of hazardous substances,

Return to office: _____ Disposed by: 1 1 Archive: _____
(Indicate number of months)

1

FHumbert

SEP 1-64, ME

1036

Control No. 3-4-77

~~Send Lab Report~~ ~~Scott Kinyoad~~

Site Work Plan LA-IR-92-3968

Date Samples Shipped 08-11-94

Date Lab Report Required 11-10-94

hetero R₂ →
is +
H₂O

63

(These people are not supposed to claim high levels of hazardous substances.)

Return to sender _____
 Disposed by lab ✓ Archives _____
 (Indicate number of months)

17th July

SECRET

YELLOW Records Processing Facility

PINK Field Team Leader

Date 7/27/14

Control No. 3477

Technical Area 15

Operable Unit 1086

OU Contact Scott Klinkrad

Contact Phone No. **665-1760**

Date Samples Shipped 2/28/18Date Lab Report Required 11-17-74[illegible]

Received by (Signature) Affiliation	Received by (Signature) Affiliation
[Signature] FBI	[Signature] FBI

POSSIBLE HAZARD IDENTIFICATION
 Please attach

POSSIBLE HAZARD IDENTIFICATION
(Please indicate if samples are suspected to contain high levels of hazardous substances.)

Metabolical	✓	Highly Toxic	Flammable	Skin Irritant	Not Hazardous	Other
-------------	---	--------------	-----------	---------------	---------------	-------

COMMENTS _____ 7/2/68

SAMPLING TEAM (Print names and Initial)

WRITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

U.S. G.P.O.: 1983-776-048

080

—

MS J534

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10

Date Lab Report Required 11-10-94

♦ U.S.G.P.O.: 1-800-778-2448

Date 6/24/99

Technical Area 15

Operable Unit 1.086

OU Contact Scott Ambread

800-2700

Contact Phone No. _____

Control No. 09062

Send Lab Report Scott Kinkadee

Site Work Plan LA-UR-92-3968

Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/94

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Date Lab Report Required 11/18/94

[illegible]

POSSIBLE HAZARD IDENTIFICATION
(Please indicate if samples are hazardous materials and/or are suspected to contain high levels of hazardous substances.)

[illegible]

COMMENTS

SAMPLING TEAM (Print names and initials) R. Garnett, D. Dander, G. Evenson, T. McFarland

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Control No. 12058

Send Lab Report ~~Scott Klinead~~

Site Work Plan IA-LR-92-3968Date Samples Shipped 8/16/94

Date Lab Report Required 11/10/94

Relinquished by (Signature) Affiliation		Date	Relinquished by (Signature) Affiliation		Date
Received by (Signature) Affiliation		Date	Received by (Signature) Affiliation		Date
Received by (Signature) Affiliation <i>RLC</i> <i>11/10/94</i>		Date <i>8/10/94</i> <i>1:30</i>	Received by (Signature) Affiliation ,		Date Time

the hazardous materials and/or are subjected to danger from levels of hazardous substances.

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	34.5	10.2	22	55
Gender	0.5	0.5	0	1
Marital Status	0.7	0.5	0	1
Education	12.5	1.5	10	15
Income	45000	15000	20000	80000
Health	0.8	0.4	0	1
Stress	0.6	0.5	0	1
Depression	0.3	0.5	0	1
Life Satisfaction	0.7	0.4	0	1

Return to client _____ Disposal by sub Archive _____
(Indicate number of moves)

SAMPLING TEAM (Print names and initials)

YELLOW Records Processing Facility

PINK Field Team Leader

1086

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Control No. 10063

Send Lab Report Scott Klinkrad

LA-UR-92-3968

Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/99

[illegible]

YELLOW Records Processing Facility

PINK Field Team Leader

DOF 1.04, No

Date 7/25/94

Technical Area 15Operable Unit 1086

OU Contact Scott Kinkread

003-1/60

Contact Phone No. _____

Control No. 10757

Send Lab Report Scott Klinkrad

Site Work Plan LA-UR-92-3968

Date Samples Shipped 5/10/94

Date Lab Report Required 11/10/99

[illegible]

POSSIBLE HAZARD IDENTIFICATION

Radioisotope	Highly Toxic	Flammable	Shard Internal	Northazani	Other
✓					

Hopby Torus

निष्कर्ष

Skin Integrity

Northwest

Other

Результаты исследования

Discovered by the

Arthurian

Participants

COMMENTS

SAMPLING TEAM (Print names and initials)

R. Garnett

D. Dwyer

G. Evans

U. T. McFarland

1. Land

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

EXP 1.04, PG

1056

Control No. 11375

Send Lab Report Scott Kinkread

LA-UR-92-3968

Date Samples Shipped 8/10/99

Date Lab Report Required 11/10/94

TAL meta

U.S.

Ref 255

Highly Toxic .. **Flammable**

Return to client _____ Disposed by tab 1 Archive _____
(Indicate in number of months)

143

4411

YELLOW Records Processing Facility

Pink: Field Team Leader

186

• U.S.G.P.O.: 1989 • 775-045

Date 7/27/2011

Control No.

1086

Technical Area 15

1997

Operable Unit 1086

Send Lab Report Scott Kinkread

MS J534

Our Contact Scott Klinead

Date Samples Shipped 05-10-64

Contact Phone No. 003-1/60

Date Lab Report Required 11-12-2014

Relinquished by (Signature)	Date	Received by (Signature)	Date
Relinquished by (Signature)	Date	Received by (Signature)	Date

POSSIBLE HAZARD IDENTIFICATION

Radiochemical	Highly Toxic	Flammable	Skin Irritant	Absorbent	Other
---------------	--------------	-----------	---------------	-----------	-------

Highly Toxic	Flammable	Nonhazard	Other
Explosive	Corrosive	Flammable	Highly Toxic

COMMENTS

SAMPLING TEAM (Print names and initials)

R. G. Gable, Jr.

THE

1

11/11/11

...

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

**Los Alamos National Laboratory Environmental Restoration
CHAIN OF CUSTODY/REQUEST FOR ANALYSIS**

Date 7/18/94

Control No. 1086-1086-1

Technical Area 15

Send Lab Report Scott Kinkread

MS J534

Operable Unit 1086

Site Work Plan LA-UR-92-3968

(MDAZ)

OU Contact Scott Kinkread

Date Samples Shipped 05-10-94

Contact Phone No. 665-1760

Date Lab Report Required 11-10-94

Field Unique Sample #/ID (Write in sample ID number in space below)	Date and Time Collected	G R A B			Sample Container Volume/Material	Matrix (Liquid, Soil Core, Sludge, Etc.)	Preservative	Analysis Requested		Remarks (Condition of receipt, etc.)
		C	M	P				Test	Method	
AAB 3428	7/18/94 10:30	✓			125 ml poly	soil	4C	Total U	200.8	15-2305 0.6 in
AAB 3428	7/18/94 10:35	✓			125 ml glass	soil	4C	gross alpha/beta	1471, 1421, 1091	
AAB 3428	7/18/94 10:35	✓			125 ml glass	soil	4C	SVOC	1471, 1421, 1091	
AAB 3428					Plastic Zip	soil	4C	gamma spec	1471, 1421, 1091	
AAB 3428					Plastic Zip	soil	4C	gross alpha/beta	1471, 1421, 1091	

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

102

Control No. 721

MS J534

(MADAZ.)

Date Lab Report Required 11-10-94

22 diff: 22
22 diff: 22
22 diff: 22

Date	Time

Return to client	Dispose by sale	Archive	Disposition in minutes of meeting
------------------	-----------------	---------	-----------------------------------

SAMPLING TEAM (Print names and initials) R. Garnett, D. Dandaz, G. Evanson, T. McFarland

PINK Field Team Leader

**Los Alamos National Laboratory Environmental Restoration
CHAIN OF CUSTODY/REQUEST FOR ANALYSIS**

Date 7/14/94 Control No. 09142 ~~1086~~

Technical Area 15 Send Lab Report Scott Kinkread MS J534

Operable Unit 1086 Site Work Plan LA-OR-92-3968 (MDAZ)

OU Contact Scott Kinkread Date Samples Shipped 08-10-94

Contact Phone No. 665-1760 Date Lab Report Required 11-10-94

Field Unique Sample #/ID (Write in sample ID number in space below)	Date and Time Collected	G R A B			Sample Container Volume/Material	Matrix (Liquid, Sol, Core, Sludge, Etc.)	Preservative	Analysis Requested		Remarks (Condition of receipt, etc.)
		G	R	A				Test	Method	
AAB 3431	7/14/94 11:30	✓			125 ml poly	soil	4c	Total U	200.8	15-230C. C-619
AAB 3431	7/14/94 11:30	✓			125 ml glass	soil	4c	Hg, Pb, Se, TAC, metals	7471, 7421, 7091	
AAB 3431	7/14/94 11:30	✓			125 ml glass	soil	4c	SVOC	8220	724m 9/10/94
AAB 3431					Plastic Zip	soil	4c	Gross alpha/beta	Rad Test	74m 7/16/94
AAB 3431					Plastic Zip	soil	4c	Gamma spec		
AAB 3431					Plastic Zip	soil	4c	Hg, Pb, Se	Chem Van	74m 7/16/94

Relinquished by Tim Farland **Date** 8-10-94 **Relinquished by** Tim Farland

Received by Bl. B. 7/14/94 **Time** 1630 **Received by** Bl. B. 7/14/94

Possible Hazard Identification
(Please indicate if sample(s) are hazardous materials under the suspected to contain high levels of hazardous substances.)
Radiological ☒ Highly Toxic ☐ Flammable ☐ Solvent ☐ Volatile ☐ Other ☐

Comments

Sample Disposal
Return to sender ☐ Disposed by lab ☒ Archive ☐ (Indicate number of months)

SAMPLING TEAM (Print names and initials) R. Garnett, D. Dander, G. Evenson, T. McFarland

Date 7/18/2011

Technical Area _____ **15**

Operable Unit 1.086

OU Contact Scott Kinkadee

003-1/60

Control No.

Send Lab Report Scott Klinead

Site Work Plan LA-UR-92-3968 (MDA Z)

Date Samples Shipped 8-10-94

Date Lab Report Required 11-11-94

Relinquished by (Signature)	THOMAS ERM...
Received by (Signature)	John Jay
Affiliation	CAI

POSSIBLE HAZARD IDENTIFICATION

These materials and binders are suspected to contain high levels of hazardous substances.

Highly Toxic ✓ Adrenergic

Pharmacology

Shashikant

**Northrup and
Cubar**

Return to

Planned by Int'l

1

COMMENTS

SAMPLING TEAM (Print names and initials)

R. Garnett, Dr

Parade

G. Fyrenasom - T. Mathias

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

809 J.04. AU

Los Alamos National Laboratory Environmental Restoration
CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Date 7/14/94

Control No. 1086-1086

Technical Area 15

Operable Unit 1086

Send Lab Report Scott Kinkread MS J534

OU Contact Scott Kinkread

Site Work Plan IA-UR-92-3968 (MDA Z)

Contact Phone No. 665-1760

Date Samples Shipped 05-10-94

Date Lab Report Required 11-10-94

Field Unique Sample #/ID (Write in sample ID number in space below)	Date and Time Collected	Q R C A A O B B M P P P			Sample Container Volume/Material	Matrix (Liquid, Soil, Core, Sludge, Etc.)	Preservative	Analysis Requested		Remarks (Condition of receipt, etc.)
								Test	Method	
AAB 3435	7/14/94 11:45	✓			125 ml poly	soil	4c	Total U	200.8	15-2311 C-6
AAB 3435	7/14/94 11:45	✓			125 ml glass	soil	4c	Hg, Pb, Be	7421, 7091, 7471	
AAB 3435	7/14/94 11:45	✓			125 ml glass	soil	4c	Gross alpha/beta	Bad Van. Van 7/14/94	
AAB 3435	7/14/94 11:45	✓			Plastic Zip	soil	4c	Gamma spec		
AAB 3435	7/14/94 11:45	✓			Plastic Zip	soil	4c	Hg, Pb, Be	Chem Van. Van 7/14/94	

Relinquished by TLAC Farland
(Signature) Farland
Affiliation ERL
Received by Blkby
(Signature) Blkby
Affiliation ERL
Time 1630
Date 05-10-94

Relinquished by
(Signature)
Affiliation
Received by
(Signature)
Affiliation
Time
Date

Relinquished by
(Signature)
Affiliation
Received by
(Signature)
Affiliation
Time
Date

Relinquished by
(Signature)
Affiliation
Received by
(Signature)
Affiliation
Time
Date

POSSIBLE HAZARD IDENTIFICATION
(Please indicate if semioctyl and hazardous materials and/or are suspected to contain high levels of hazardous substances.)
Radiochemical ☒ High Toxic ☐ Flammable ☐ Skin Irritant ☐ Nonhazardous ☐ Other ☐

SAMPLE DISPOSAL
Return to class ☐ Disposal by ☒ Archive ☐ (Indicate number of months)

COMMENTS
SAMPLING TEAM (Print names and initials) R. Garrett, D. Darden, C. Knudson, J. McFarland
WHITE To accompany samples
YELLOW Records Processing Facility
PINK Field Team Leader

**Los Alamos National Laboratory Environmental Restoration
CHAIN OF CUSTODY/REQUEST FOR ANALYSIS**

Date 7/14/94 Control No. 1086
 Technical Area 15 Send Lab Report Scott Kinkread MS J534
 Operable Unit 1086 Site Work Plan LA-UR-92-3968 (MDA Z)
 OU Contact Scott Kinkread Date Samples Shipped 08-10-94
 Contact Phone No. 665-1760 Date Lab Report Required 11-12-94

Field Unique Sample #/ID (Write in sample ID number in space below)	Date and Time Collected	R A C B A M P			Sample Container Volume/Material	Matrix (Liquid, Soil, Core, Sludge, Etc.)	Preservative	Analysis Requested		Remarks (Condition of receipt, etc.)
		B	A	C				Test	Method	
AAB 3438	7/14/94 1105	✓			125 ml. poly	soil	4C	Total U	200.8	
AAB 3438	7/14/94 1105	✓			125 ml. glass	soil	4C	Gamma spec		
AAB 3438	7/14/94 1105	✓			125 ml. glass	soil	4C	Gross alpha/beta	Rad Van	15-23C1 C-51
AAB 3438	7/14/94 1105	✓			Plastic Zip	soil	4C	Gamma spec		
AAB 3438	7/14/94 1105	✓			Plastic Zip	soil	4C	Gamma spec		
AAB 3438	7/14/94 1105	✓			Plastic Zip	soil	4C	Gamma spec		

Relinquished by TLM C FGA-10-10-1 Date 08-10-94 Relinquished by (Signature) [Signature] Date 08-10-94
 Affiliation ERMA Affiliation
 Received by (Signature) [Signature] Time 1630 Received by (Signature) [Signature] Time
 Affiliation Affiliation

POSSIBLE HAZARD IDENTIFICATION
 (Please indicate if samples are suspected to contain high levels of hazardous substances.)
 Radiological ☒ Highly Toxic ☐ Flammable ☐ Benign ☐ Non-hazardous ☐ Other ☐

COMMENTS
 RETURN TO: White To accompany samples
 YELLOW Records Processing Facility
 PINK Field Team Leader
 RETURN TO: White To accompany samples
 YELLOW Records Processing Facility
 PINK Field Team Leader

Date 7/25/94

Control No. 2017-00000000

Technical Area 15

Send Lab Report **Crack# 7491999**

Operable Unit 1096

Site Work Plan TA-DR-92-396#

OU Contact Scott Kinkread

Date Samples Shipped 05-10-94

Contact Phone No. **665-1760**

Date Lab Report Required 11-11-94

[illegible]

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

808 1.04, PM

659

Control No. 53

Sand Lab Report Scott Kinlead MS 5534

Site Work Plan LA-VR-92-3968

Date Samples Shipped 08-11-94

Date Lab Report Received 11-15-20

[illegible]

POSSIBLE HAZARD IDENTIFICATION
(Please indicate if sample(s) are hazardous material)

Psychological	<input checked="" type="checkbox"/>	Highly Toxic	<input type="checkbox"/>	Flammable	<input type="checkbox"/>	Self Igniting	<input type="checkbox"/>	Nonhazardous	<input type="checkbox"/>	Other	<input type="checkbox"/>
---------------	-------------------------------------	--------------	--------------------------	-----------	--------------------------	---------------	--------------------------	--------------	--------------------------	-------	--------------------------

Return to client - **Cherise / Leah** ~~Andree~~ **Redeemed with a mission**

COMMENTS:

SAMPLING TEAM (Print names and initial) D. Macder. & E. Evenson. F. Humbert McFarland

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team | and

0539

Date Lab Report Required 11-12-94

$$\text{at, Ad} \rightarrow \text{IT}$$

18.24 in.

Return to client	Discount by Pub	Archives	(Indicates ex. number and month/year)

SAMPLING TEAM (Print names and initials) D. Driscoll, G. Eversman, F. Humbert, T. McFarland

REF ID: A6

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Control No. 7-1177

Send Lab Report Scott K. Ince

Site Work Plan
LA-DR-92-3968

MS 3534

Date Samples Shipped 08-10-94

Date Lab Report Required 11-11-94

WHITE To accompany samples

PINK Field Team Leader

100

Control No. 100-55

Send Lab Report Scott Linke MS T534

Sie Work Plan LA-UR-92-3968

Date Samples Shipped 05-10-94

Date Lab Report Required 11-10-94

water Red
→
Kale

10

Approved by _____

2700

— Humbert, E. Tollinger, The Forlans

80P 1.04, 80G

EH-9 ANALYTICAL SERVICE AGREEMENT
Samples Assigned ReportREQUEST NUMBER
18681

ANALYTICAL SECTION: INORG

PROGRAM FUND CODE: M78B

SAMPLE DISPOSAL: Discard

PRIORITY CODE: 3

SCREENING DATA: Samples Screened: Counts BELOW Background!

AGREEMENT DATE: 25-AUG-94

CUSTOMER: SAK, Scott A. Kinkead

MAIL STOP: J534

PHONE: 665-1760

SIGNATURE:

Kyle Day

KG

TOTAL SAMPLES: _____

REMARKS:

SHIPPED TO S-CUBED
TA-15 OU 1086

COUNT:	TECHNIQUE	ANALYSIS	ANALYST	DUE	NUMBER SAMPLES
METAL	AG	206	08-NOV-94	34	
	AL	206	08-NOV-94	37	
	AS	206	08-NOV-94	37	
	BA	206	08-NOV-94	37	
	BE	206	08-NOV-94	37	
	CA	206	08-NOV-94	37	
	CD	206	08-NOV-94	37	
	CO	206	08-NOV-94	37	
	CR	206	08-NOV-94	37	
	CU	206	08-NOV-94	37	
	FE	206	08-NOV-94	37	
	HG	206	08-NOV-94	37	
	K	206	08-NOV-94	37	
	MG	206	08-NOV-94	37	
	MN	206	08-NOV-94	37	
	NA	206	08-NOV-94	37	
	NI	206	08-NOV-94	37	
	PB	206	08-NOV-94	37	
	SB	206	08-NOV-94	37	
	SE	206	08-NOV-94	37	
	TL	206	08-NOV-94	37	
	V	206	08-NOV-94	37	
	ZN	206	08-NOV-94	37	

EM-9 ANALYTICAL SERVICE AGREEMENT
Samples Assigned Report

REQUEST NUMBER
18681

SAMPLE# - CUT#	MATRIX	TYPE	PRESERVATIVES	HAZARDS	COLLECTED	DUE DATE	TECHNIQUE(ANAL, ANAL,...);
94.18548-Cut2	SS		NO PRESERVS	NO HAZARDS	21-JUL-94	08-NOV-94	METAL.
94.18551-Cut2	SS		NO PRESERVS	NO HAZARDS	15-JUL-94	08-NOV-94	METAL.
94.18555-Cut2	SS		NO PRESERVS	NO HAZARDS	27-JUL-94	08-NOV-94	METAL.
94.18557-Cut2	SS		NO PRESERVS	NO HAZARDS	03-AUG-94	08-NOV-94	METAL.
94.18560-Cut2	SS		NO PRESERVS	NO HAZARDS	25-JUL-94	08-NOV-94	METAL.
94.18561-Cut2	SS		NO PRESERVS	NO HAZARDS	25-JUL-94	08-NOV-94	METAL.
94.20311-Cut1	SS		NO PRESERVS	NO HAZARDS	06-JUL-94	08-NOV-94	METAL.
94.20312-Cut1	SS		NO PRESERVS	NO HAZARDS	20-JUL-94	08-NOV-94	METAL.
94.20313-Cut1	SS		NO PRESERVS	NO HAZARDS	15-JUL-94	08-NOV-94	METAL.
94.20314-Cut1	SS		NO PRESERVS	NO HAZARDS	30-JUN-94	08-NOV-94	METAL.
94.20315-Cut1	SS		NO PRESERVS	NO HAZARDS	28-JUN-94	08-NOV-94	METAL.
94.20316-Cut1	SS		NO PRESERVS	NO HAZARDS	30-JUN-94	08-NOV-94	METAL.
94.20317-Cut1	SS		NO PRESERVS	NO HAZARDS	28-JUN-94	08-NOV-94	METAL.
94.20318-Cut1	SS		NO PRESERVS	NO HAZARDS	28-JUN-94	08-NOV-94	METAL.
94.20319-Cut1	SS		NO PRESERVS	NO HAZARDS	27-JUL-94	08-NOV-94	METAL.
94.20320-Cut1	SS		NO PRESERVS	NO HAZARDS	24-JUL-94	08-NOV-94	METAL.
94.20321-Cut1	SS		NO PRESERVS	NO HAZARDS	27-JUL-94	08-NOV-94	METAL.
94.20322-Cut1	SS		NO PRESERVS	NO HAZARDS	25-JUL-94	08-NOV-94	METAL.
94.20323-Cut1	SS		NO PRESERVS	NO HAZARDS	28-JUL-94	08-NOV-94	METAL.
94.20324-Cut1	SS		NO PRESERVS	NO HAZARDS	08-JUL-94	08-NOV-94	METAL.
94.20325-Cut1	SS		NO PRESERVS	NO HAZARDS	28-JUL-94	08-NOV-94	METAL.
94.20326-Cut1	SS		NO PRESERVS	NO HAZARDS	28-JUL-94	08-NOV-94	METAL.
94.20327-Cut1	SS		NO PRESERVS	NO HAZARDS	27-JUL-94	08-NOV-94	METAL.
94.20328-Cut1	SS		NO PRESERVS	NO HAZARDS	27-JUL-94	08-NOV-94	METAL.
94.20329-Cut1	SS		NO PRESERVS	NO HAZARDS	18-JUL-94	08-NOV-94	METAL.
94.20330-Cut1	SS		NO PRESERVS	NO HAZARDS	18-JUL-94	08-NOV-94	METAL.
94.20331-Cut1	SS		NO PRESERVS	NO HAZARDS	18-JUL-94	08-NOV-94	METAL.
94.20332-Cut1	SS		NO PRESERVS	NO HAZARDS	14-JUL-94	08-NOV-94	METAL.
94.20333-Cut1	SS		NO PRESERVS	NO HAZARDS	18-JUL-94	08-NOV-94	METAL.
94.20334-Cut1	SS		NO PRESERVS	NO HAZARDS	14-JUL-94	08-NOV-94	METAL.
94.20335-Cut1	SS		NO PRESERVS	NO HAZARDS	14-JUL-94	08-NOV-94	METAL.
94.20336-Cut1	SS		NO PRESERVS	NO HAZARDS	25-JUL-94	08-NOV-94	METAL.
94.20337-Cut1	SS		NO PRESERVS	NO HAZARDS	20-JUL-94	08-NOV-94	METAL.
94.20338-Cut1	SS		NO PRESERVS	NO HAZARDS	16-AUG-94	08-NOV-94	METAL(Al, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN).
94.20339-Cut1	SS		NO PRESERVS	NO HAZARDS	16-AUG-94	08-NOV-94	METAL(Al, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN).
94.20340-Cut1	SS		NO PRESERVS	NO HAZARDS	16-AUG-94	08-NOV-94	METAL(Al, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN).

EM-9 ANALYTICAL SERVICE AGREEMENT
Samples Assigned ReportREQUEST NUMBER
18681

SAMPLE# - CUT#	MATRIX TYPE	PRESERVATIVES	HAZARDS	COLLECTED	DUE DATE	TECHNIQUE(ANAL, ANAL,...);
94.20341-Cut1	SS	NO PRESERVS	NO HAZARDS	16-AUG-94	08-NOV-94	METAL(HG).
94.20342-Cut1	SS	NO PRESERVS	NO HAZARDS	16-AUG-94	08-NOV-94	METAL(HG).
94.20343-Cut1	SS	NO PRESERVS	NO HAZARDS	16-AUG-94	08-NOV-94	METAL(HG).
94.20344-Cut1	SS	NO PRESERVS	NO HAZARDS	19-JUL-94	08-NOV-94	METAL.

Agreement	Sample Nbr	Customer Number	Date Collected
18681	94.20341	00.00517	16-AUG-94
18681	94.20343	00.00894	16-AUG-94
18681	94.20342	00.01450	16-AUG-94
18681	94.20338	00.28278	16-AUG-94
18681	94.20339	00.28279	16-AUG-94
18681	94.20340	00.28280	16-AUG-94
18681	94.20344	AAB3295	19-JUL-94
18681	94.18548	AAB3298	21-JUL-94
18681	94.20311	AAB3304	06-JUL-94
18681	94.20312	AAB3321	20-JUL-94
18681	94.20313	AAB3325	15-JUL-94
18681	94.18551	AAB3332	15-JUL-94
18681	94.20314	AAB3336	30-JUN-94
18681	94.20315	AAB3340	28-JUN-94
18681	94.20316	AAB3342	30-JUN-94
18681	94.20317	AAB3352	28-JUN-94
18681	94.20318	AAB3353	28-JUN-94
18681	94.18555	AAB3355	27-JUL-94
18681	94.20319	AAB3398	27-JUL-94
18681	94.20328	AAB3401	27-JUL-94
18681	94.20329	AAB3428	18-JUL-94
18681	94.20330	AAB3429	18-JUL-94
18681	94.20331	AAB3430	18-JUL-94
18681	94.20332	AAB3431	14-JUL-94
18681	94.20333	AAB3433	18-JUL-94
18681	94.20334	AAB3435	14-JUL-94
18681	94.20335	AAB3438	14-JUL-94
18681	94.18557	AAB3445	03-AUG-94
18681	94.20320	AAB3451	24-JUL-94
18681	94.20321	AAB3461	27-JUL-94
18681	94.20322	AAB3470	25-JUL-94
18681	94.18560	AAB3473	25-JUL-94
18681	94.20323	AAB3476	28-JUL-94
18681	94.18561	AAB3477	25-JUL-94
18681	94.20336	AAB3480	25-JUL-94
18681	94.20324	AAB3485	08-JUL-94
18681	94.20325	AAB3503	28-JUL-94
18681	94.20326	AAB3504	28-JUL-94
18681	94.20337	AAB3525	20-JUL-94
18681	94.20327	AAB3530	27-JUL-94

1086

Control No. 11364

Send Lab Report Scott Kinkread

Site Work Plan LA-UR-92-3968

Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/94

10

	Date	
	Time	

Archives

~~Expt~~ und, Flunherth

PINK Field Team Leader

7 Jan 1961

Control No. 09128

Send Lab Report Scott Kinkaid

Site Work Plan IA-UR-92-3968Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/99

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

1286

Control No. 0-177

Send Lab Report Scott Kinkadee

Site Work Plan LA-UR-92-3968

Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/9915.2277 0.5 in

... and/or are suspected to contain high levels of hazardous substances.)

Reti

~~5/11/12~~

Humboldt

PINK Field Team Leader

1046-

Control No. 1577

Send Lab Report Scott Kinkread

Site Work Plan LA-UR-92-3968

Date Samples Shipped 08-10-94

Date Lab Report Required 11-10-94

COMMENTS.

John 11/15/94
Dander

YELLOW Records Processing Facility

PINK Field Team Leader

1086

Control No. 000000

Send Lab Report Scott Kinkread

Site Work Plan LA-UR-92-3968

Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/44

18-2411

(Please indicate if samples are hazardous materials and/or are suspected to contain high levels of hazardous substances.)

Product	Nonhazard	Oil
Skin Irritant	Nonhazard	Oil

•

~~70100-11/10/69~~

R. Garnett, D. Dander, G. Evenson, T. McFarland

YELLOW Records Processing Facility

PINK Field Team Leader

* U.S.G.P.O.: 1983-778-845

1080

Control No. 00000000

MS J534

Site Work Plan LA-UR-92-3968

Date Samples Shipped 8/10/07

Date Lab Report Required 11/10/94

0-6-5

Date

Time

These materials are hazardous and/or are suspected to contain high levels of hazardous substances.

100

5

SAMPLING TEAM (Print names and initials) R. Garnett, D. Dander, G. Evenson, T. McFarland

PINK Field Team Leader

CHAIN OF CUSTODY/BENEFIT FOR ANALYSIS

• U.S.G.P.O.: 1983-778-945

1036-

Control No. 00107

Send Lab Report **Scott Kinkread**

LA-UR-92-3968

Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/99

Received by (Signature) Affiliation	Date	Relinquished by (Signature) Affiliation	Date
		Received by (Signature) Affiliation	
Received by (Signature) Affiliation	Time	Relinquished by (Signature) Affiliation	Time

SAMPLE DISPOSAL

Return to client _____ Disposal by lab ☒ Archive _____ (Indicate number of months)

17

R. Garnett, D. Dander, G. Evenson, T. McFarland

PINK Field Team Leader

**Los Alamos National Laboratory Environmental Restoration
CHAIN OF CUSTODY/REQUEST FOR ANALYSIS**

Date 7/28/94 Control No. 20155
 Technical Area 15 Send Lab Report Scott Kinkhead MS J534
 Operable Unit 1086 Site Work Plan LA-UR-92-3968 (R-44)
 OU Contact Scott Kinkhead Date Samples Shipped 08-10-94
 Contact Phone No. 665-1760 Date Lab Report Required 11-10-94

Field Unique Sample #/ID (Write in sample ID number in space below)	Date and Time Collected	G R A B			Sample Container Volume/Material	Matrix (Liquid, Soil, Core, Sludge, Etc.)	Preservative	Analysis Requested		Remarks (Condition of receipt, etc.)
		C	O	M				Test	Method	
AAB 3352	7/28/94	✓			125 ml poly	soil	4c	Total U	200.8	15-2503
AAB 3352	7/28/94	✓			125 ml glass poly	soil	4c	Pb, Be	7421, 7091	
AAB 3352	7/28/94				Plastic Zip	soil	4c	Gross alpha/beta	Rad Van	15.24
AAB 3352					Plastic Zip	soil	4c	Gamma spec		7/27/94
AAB 3352					Plastic Zip	soil	4c	Pb, Be	Chem Van	7/27/94

POSSIBLE HAZARD IDENTIFICATION
 (Please indicate if samples are hazardous materials and/or are suspected to contain high levels of hazardous substances.)
 Radiological ☒ Highly Toxic ☐ Flammable ☐ Skin Irritant ☐ Nonhazardous ☐ Other ☐

RECEIVED BY
 Relinquished by T. McFarland (Signature) Date 8-15-94
 Received by RR (Signature) Time 1630
 Relinquished by RR (Signature) Date 8-15-94
 Received by RR (Signature) Time 1630

COMMENTS
RR 8/15/94
 SAMPLING TEAM (Print names and initial) R. Gaudette, D. Dander, G. Evenson, T. McFarland, F. Humbert
 WHITE To accompany samples YELLOW Records Processing Facility PINK Field Team Leader

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Control No. 275

MS J534

LA-UR-92-3968 (R-44)

Date Samples Shipped 05-10-94

Date Lab Report Required 11-11-94

[illegible]**PINK Field Team Leader**

1036

Control No. _____

MS ~~J534~~

Site Work Plan IA-UR-92-3968 (R-44)

Date Samples Shipped 08-10-94

Date Lab Report Required 11-10-94

Shelter Rule
List
RAC

0-613

COMMENTS _____

SAMPLING TEAM (Print names and initial)

B. Carroll	D. Duggan	C. ...
[Signature]	[Signature]	[Signature]

PINK Field Team Leads

Shirley Red
List
K12C

5

**Los Alamos National Laboratory Environmental Restoration
CHAIN OF CUSTODY/REQUEST FOR ANALYSIS**

Date 8/3/94 Control No. 10020
 Technical Area 15 Send Lab Report Scott Kinkad MS J534
 Operable Unit 1086 Site Work Plan LA-UR-92-3968 (MBA-2) EF EF
 OU Contact Scott Kinkad Date Samples Shipped 08-10-94
 Contact Phone No. 665-1760 Date Lab Report Required 11-10-94

Field Unique Sample #/ID (Write in sample ID number in space below)	Date and Time Collected	G R A B	C O M P	Sample Container Volume/Material (Lb, gal, etc.)	Matrix (Liquid, Soil, Core, Sludge, Etc.)	Preservative	Analysis Requested		Remarks (Condition of receipt, etc.)
							Test	Method	
AAB 3445	8/3/94 11:30	✓		125 ml poly	soil	4C	Total U	200.8	15-2246
AAB 3445	8/3/94 11:30	✓		125 ml glass	soil	4C	Gr, Pb, Be	1421, 1091, 7471	
AAB 3445				125 ml glass	soil	4C	SVOC	8270	14m 8/3/94
AAB 3445				200ml glass	soil	4C	VOC		14m 8/3/94
AAB 3445				Plastic Zip	soil	4C	Grass alpha/beta	Rad Van	14m 8/3/94
AAB 3445				Plastic Zip	soil	4C	Gamma spec		
AAB 3445				Plastic Zip	soil	4C	Hg, Pb, Be	Chem Van	14m 8/3/94
AAB 3445	8/3/94 11:30	✓		125 ml glass	soil	4C	HE	8330 A	

Relinquished by TM McFarland
 (Signature) TRM
 Affiliation ERM
Received by Ryle Day
 (Signature) RD
 Affiliation ERM
 Date 8-10-94
 Time 1630

Relinquished by _____
 (Signature)
 Affiliation _____
Received by _____
 (Signature)
 Affiliation _____
 Date _____
 Time _____

Relinquished by _____
 (Signature)
 Affiliation _____
Received by _____
 (Signature)
 Affiliation _____
 Date _____
 Time _____

POSSIBLE HAZARD IDENTIFICATION
 (Please indicate if sample(s) are hazardous materials and/or are suspected to contain high levels of hazardous substances.)
 Radiological ☒ Highly Toxic ☐ Flammable ☐ Skin Irritant ☐ Nonhazardous ☐ Other _____

SAMPLE DISPOSAL
 Return to client ☐ Disposal by lab ☒ Archive ☐ (Indicate number of months) _____

1086

Control No. 129058

Send Lab Report Scott Kinross

Site Work Plan LA-UR-92-3968Date Samples Shipped 8/10/99

Date Lab Report Required 11/10/94

15-2182 18-24.7

[illegible]

Time

SAMPLE DISPOSAL

Return to client ☒ Disposed by lab ☒ Archive ☐ Re-evaluate ☐

~~Handwritten signature~~
Humber

Pink Field Team Leader

108

Date Lab Report Required 11/10/94

Relinquished by (Signature) Affiliation	Date	Relinquished by (Signature) Affiliation	Date
Relinquished by (Signature) <i>James E. Ryan</i> Affiliation <i>EEEM</i>	Date <i>8/10/64</i>	Relinquished by (Signature) Affiliation	Date
Received by (Signature) <i>W. H. H. H.</i> Affiliation	Time <i>1630</i>	Received by (Signature) Affiliation	Time

of research

SOP 1.04, RO

★ U.S.G.P.O.: 1983-778-846

Control No. 70767

Send Lab Report Scott Kinkaid

Site Work Plan LA-UR-92-3968

Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/93

1086-

Control No. 09075

Send Lab Report Scott Kinkread

Site Work Plan

LA-UR-92-3968

Date Samples Shipped 8/10/94.

Date Lab Report Required 11/10/94

0.0.0

Date _____
Time _____

Indicate number of months

416m

R. Garnett, D. Dander, G. Evenson, T. McFarland

Pink Field Team Leader

Date 7/10/2011

Technical Area 15Operable Unit 1086

OU Contact Scott Kinkead

003-1/00

Contact Phone No. _____

Control No. 7537

Send Lab Report Scott Kinkadee

Site Work Plan LA-UR-92-3968

Date Samples Shipped 8/10/94

Date Lab Report Required 11/10/94

COMMENTS

SAMPLING TEAM (Print names and initials)

R. Garnett, D. Bander, G. Evenson, T. McFarland, F. Humbert

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

Wire different
mailing bill

Control No. 1086-70141

Send Lab Report Scott Kinkread

Site Work Plan

LA-UR-92-3968 (R-44)

Date Samples Shipped 8-12-94

Date Lab Report Required 11-10-94

18-24, n

Date		
Time		

SAMPLE DISPOSAL

Return to client _____ Disposal by lab ✓ Archive _____
(Indicate number of months)

10

SAMPLING TEAM (Print names and initial)

NAME	INITIAL
R. Garnett	RM
D. Bander	DB
G. Svenson	GS
T. McFarland	TM
F. Humbert	FH
E. Trull	ET

PINK Field Team 1

**Los Alamos National Laboratory Environmental Restoration
CHAIN OF CUSTODY/REQUEST FOR ANALYSIS**

Date 7/16/94 Control No. 0343
 Technical Area 15 Send Lab Report Scott Kinkread MS J534
 Operable Unit 1086 Site Work Plan LA-UR-92-3968 (MDAZ)
 OU Contact Scott Kinkread Date Samples Shipped 05-10-94
 Contact Phone No. 665-1760 Date Lab Report Required 11-10-94

Field Unique Sample #/ID (Write in sample ID number in space below)		Date and Time Collected	G R A B C O M P	Sample Container Volume/Material	Matrix (Liquid, Soil, Core, Sludge, Etc.)	Preservative	Analysis Requested		Remarks (Condition of receipt, etc.)	
							Test	Method		
Relinquished by (Signature) <u>ILMC Environmental</u> Affiliation <u>ENR</u>		Date/Time <u>7/15/94</u>	Received by (Signature) <u>RLC</u> Affiliation		Relinquished by (Signature) Affiliation		Date	Received by (Signature) Affiliation		Date
Received by (Signature) <u>RLC</u> Affiliation		Time <u>1630</u>	Received by (Signature) Affiliation				Time	Received by (Signature) Affiliation		Time
AAB	3428	7/15/94 1003	✓		125 ml poly	soil	4C	Total U	200.8	15-2305
AAB	3428	7/15/94 1003	✓		125 ml glass	soil	4C	Ag Pb Be gamma spec	1471, 1421, 1091	15-2305
AAB	3428	7/15/94 1003	✓		125 ml glass	soil	4C	SVOC	8210	15-2305
AAB	3428				Plastic Zip	soil	4C	Gross alpha/beta	Rad Van	15-2305
AAB	3428				Plastic Zip	soil	4C	Gamma spec		15-2305
AAB	3428				Plastic Zip	soil	4C	Ag, Pb, Be	uran van	15-2305

Relinquished by JL McFarland **Date** 05-10-94 **Relinquished by** JL McFarland **Date** 05-10-94
Received by RL 5/29 **Time** 1630 **Received by** RL 5/29 **Time** 1630
 (Signature) (Signature) (Signature) (Signature)
 Affiliation Affiliation Affiliation Affiliation

POSSIBLE HAZARD IDENTIFICATION
 (Please indicate if sample(s) are hazardous materials and/or are suspected to contain high levels of hazardous substances.)
 Radiological _____ Highly Toxic _____ Flammable _____ Skin Irritant _____ Nonhazardous _____ Other _____
SAMPLE DISPOSAL
 Return to client _____ Disposal by lab ✓ Archive _____ (Indicate number of months) _____

COMMENTS
WHITE To accompany samples
YELLOW Records Processing Facility
PINK Field Team Leader
SAMPLING TEAM (Print names and initial) R. Garnett, D. Danner, G. Evenson, T. McFarland
 SOP 1.04, 80 * U.S.G.P.O.: 1993-778-945

**Los Alamos National Laboratory Environmental Restoration
CHAIN OF CUSTODY/REQUEST FOR ANALYSIS**

Date 7/18/94 Control No. 00140
 Technical Area 15 Send Lab Report Scott Kinkhead MS J534
 Operable Unit 1086 Site Work Plan LA-UR-92-3968 (MDAZ)
 OU Contact Scott Kinkhead Date Samples Shipped 05-10-94
 Contact Phone No. 665-1760 Date Lab Report Required 11-10-94

Field Unique Sample #/ID (Write in sample ID number in space below)	Date and Time Collected	G R A B C O M P			Sample Container Volume/Material	Matrix (Liquid, Soil, Core, Sludge, Etc.)	Preservative	Analysis Requested		Remarks (Condition of receipt, etc.)
								Test	Method	
AAB 3429	7/18/94 09:34	✓			125 ml poly	soil	4C	Total U	200.8	15-2310 0.014
AAB 3429	7/18/94 09:34	✓			125 ml glass	soil	4C	Hg, Pb, Be	7471, 7421, 7091	
AAB 3429	7/18/94 09:34	✓			125 ml glass	soil	4C	SVOC	8270-7314	3/10/94
AAB 3429					Plastic Ziploc	soil	4C	Gross alpha/beta	Rod Yam	11/21/94
AAB 3429					Plastic Zip	soil	4C	Hg, Pb, Be	Chem Yan	11/21/94

Relinquished by TL McFarland (Signature) TL McFarland (Signature)
 Affiliation ERM
 Received by APL 11/25/94 (Signature) APL 11/25/94 (Signature)
 Affiliation
 Time 1630
 Date 05-10-94
 Relinquished by (Signature)
 Affiliation
 Received by (Signature)
 Affiliation
 Time
 Date
 Relinquished by (Signature)
 Affiliation
 Received by (Signature)
 Affiliation
 Time
 Date

POSSIBLE HAZARD IDENTIFICATION
 (Please indicate if samples are hazardous materials and/or are suspected to contain high levels of hazardous substances.)
 Radiological ☒ Highly Toxic ☐ Flammable ☐ Skin Irritant ☐ Nonhazardous ☐ Other ☐

SAMPLE DISPOSAL
 Return to client ☐ Disposed by lab ☒ Archive ☐ (Indicate number of months)

COMMENTS: For 11/25/94
 SAMPLING TEAM (Print names and initial) R. Garnett, P. Dandee, G. Evenson, T. McFarland

SOP 1.04. RD

**Los Alamos National Laboratory Environmental Restoration
CHAIN OF CUSTODY/REQUEST FOR ANALYSIS**

Date 7/18/94 Control No. 00241
 Technical Area 15 Send Lab Report Scott Klinkhead MS J534
 Operable Unit 1086 Site Work Plan LA-UR-92-3968 (MDA Z)
 OU Contact Scott Klinkhead Date Samples Shipped 3-12-94
 Contact Phone No. 665-1760 Date Lab Report Required 11-12-94

Field Unique Sample #/ID (Write in sample ID number in space below)	Date and Time Collected	G R A B O M P			Sample Container Volume/Material	Matrix (Liquid, Soil, Core, Sludge, Etc.)	Preservative	Analysis Requested		Remarks (Condition of receipt, etc.)
								Test	Method	
AAB 3433	7/18/94 0456	✓			125 ml poly	soil	4C	Total U	200.8	15-2307
AAB 3433	7/18/94 0456	✓			125 ml glass	soil	4C	Hg, Pb, Be, Cd, Al, metals	7421, 7091, 7471	
AAB 3433	7/18/94 0456	✓			125 ml glass	soil	4C	SVOC	8270	74m 8/10/94
AAB 3433					Plastic zip	soil	4C	Gross alpha/beta	Rad Van	74m 7/15/94
AAB 3433					Plastic zip	soil	4C	Gamma spec		74m 7/15/94
AAB 3433					Plastic zip	soil	4C	Hg, Pb, Be	Chem Van	74m 7/15/94

Relinquished by T. McFarland (Signature) ERM (Affiliation)
 Received by John D. Garrison (Signature) ERM (Affiliation)
 Date 08-10-94 Time 1630
 Relinquished by (Signature) (Affiliation)
 Received by (Signature) (Affiliation)
 Date Time

POSSIBLE HAZARD IDENTIFICATION
 (Please indicate if sample(s) are hazardous materials and/or are suspected to contain high levels of hazardous substances.)
 Radiological ☒ Highly Toxic ☐ Flammable ☐ Skin Irritant ☐ Nonhazardous ☐ Other ☐

SAMPLE DISPOSAL
 Return to client ☐ Disposal by lab ☒ Archive ☐ (Indicate number of months) _____

COMMENTS
 SAMPLING TEAM (Print names and initials) R. Garnett, D. Dwyer, G. Evenson, T. McFarland
 WHITE To accompany samples YELLOW Records Processing Facility PINK Field Team Leader
 SOP 1.04, R0 * U.S.G.P.O.: 1983-776-945

Not offering
 lead list
 7/18/94

15886-15887

Control No. 19740

Send Lab Report

~~Seatt Kirkread~~

MS ~~J534~~

Date Samples Shipped

1

Date Lab Report Required 11-10-94

1

Received by _____
Relinquished by THINEFarland
(Signature) ThineFarland
Affiliation IEP

hazardous materials and/or are suspected to contain high levels of hazardous substances.

Highly Toxic Flammable

COMMENTS _____

SAMPLING TEAM / Priore nome e cognome

...and initial

WHITE To accompany samples

YELLOW Records Processing Facility

PINK Field Team Leader

U.S.G.P.O.: 1983 - 778-845

SOP 1.04. Rev

1086-1

Control No. 1473

MS J534

Site Work Plan LA-UR-92-3968 (MDA Z)

Date Samples Shipped 05-10-94

Date Lab Report Required 11-10-94

SAMPLING TEAM (Print names and initial) R. Garnett, B. Dander, G. Evenson, T. McFarland

PINK Field Team Leader

1086-

Control No. 700777

Send Lab Report Sent + reviewed MS 2/20/21

Site Work Plan LA-UR-92-3968

Date Samples Shipped 05-10-94

Date Lab Report Required 11-10-94

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Radiological ☒ Highly Toxic ☐ Flammable ☐ Skin Irritant ☐ Nonhazard ☐ Other ☐
 Return to client ☐ Dispose by lab ☒ Archive ☐
 (Indicate number of months)

COMMENTS

[Signature]

5/10/11

~~R. Garnett, D. Dwyer, G. Svensson, T. McFarland, J. Humbert~~

SOP 1.04, R0

1586 -

Control No. _____

Send Lab Report Scott Kinkadee MS JS34

Site Work Plan LA-UR-92-3968

Date Samples Shipped 08-10-94

Date Lab Report Required 11-10-94

5

(Please indicate if sample(s) are hazardous materials and/or are suspected to contain high levels of hazardous substances.)

Return to client _____ Disposal by tab 1 Archive _____ (Indicate number of months) _____

Walt Scott

SOP 1.04, RO

— ୫୫ —

Control No. 51

Send Lab Report Scott Kinkadee MS J534

Site Work Plan LA VR-92-3968 (R44)

Date Samples Shipped 05-10-94

Date Lab Report Required 11-10-84

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KAL \rightarrow

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(Please indicate if sample(s) are hazardous materials and/or are suspected to contain high levels of hazardous substances.)

SAMPLE DISPOSAL
Return to client ____ Disposal ____

Return to client _____ Disposal by lab ☒ Archive _____ (Indicate number of months) _____

[Signature]

SAMPLING TEAM (Print names and initial) D. Donder, G. Evensen, F. Humbert, T. McFarland

YELLOW Records Processing Facility

PINK Field Team Leader

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Control No. 15033

Send Lab Report Scott Kinkread

Site Work Plan LA-UR-92-3968

Date Samples Shipped 08-10-94

Date Lab Report Required 11-10-94

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(Please indicate if samples) are hazardous materials and/or are suspected to contain high levels of hazardous substances,

Skin Irritation

Nonhazard . . . Other

SAMPLE DISPOSAL
Return to client _____ Disg _____

Return to client _____ Disposal by lab Archive _____ (Indicate number of months)

RK-15

R. Garnett, D. Dander, G. Evenson, T. McFarland

YELLOW Records Processing Facility

PINK Field Team Leader

Laboratory: MSC		QC RESULTS						10/25/94
Request No.: 18681		<INORGANIC>						
CST-9 Blind QC's								
Sample	Analyte	Known	1-sig	Reported	1-sig	Recovery	z-value	In Control ?
94.20338	AL	24.5	4.5	29.1	2.91	118.8%	0.86	OK
	CA	15.5	1.5	14.9	1.49	96.1%	0.28	OK
	FE	29	4	30.1	3.01	103.8%	0.22	OK
	MG	14	1	13.8	1.38	98.6%	0.12	OK
	K	3.35	0.25	3.82	0.382	114.0%	1.03	OK
	NA	0.675	0.025	0.733	0.0733	108.6%	0.75	OK
	SB	0	0	<3.6	#VALUE!	False +	#VALUE!	OK
	AS	0	0	17.4	1.74	False +	10.00	No ✓
	BA	400	40	363	36.3	90.8%	0.68	OK
	CD	0	0	3	0.3	False +	10.00	No ✓
	CR	90	20	75.7	7.57	84.1%	0.67	OK
	CO	11	1	12.8	1.28	116.4%	1.11	OK
	CU	35	5	38.1	3.81	108.9%	0.49	OK
	PB	13	2	11.2	1.12	86.2%	0.79	OK
	MN	440	60	504	50.4	114.5%	0.82	OK
	NI	80	10	77.6	7.76	97.0%	0.19	OK
	SE	0.014	0.001	<.52	#VALUE!	#VALUE!	#VALUE!	OK
	V	60	10	76.3	7.63	127.2%	1.30	NO
	ZN	96	4	95.6	9.56	99.6%	0.04	OK
	BE	0.77	0.07	0.85	0.085	110.4%	0.73	OK
	TL	0	0	<.62	#VALUE!	False +	#VALUE!	OK
	Ag	NO DATA AVAILABLE		<.6	#VALUE!	#VALUE!	#VALUE!	OK

Laboratory: MSC		QC RESULTS						10/25/94
Request No.: 18681		<INORGANIC>						
CST-9 Blind QC's								
Sample	Analyte	Known	1-sig	Reported	1-sig	Recovery	z-value	In Control ?
94.20340	AL	21.5	6.5	19.2	1.92	89.3%	0.34	OK
	CA	22	2	21.4	2.14	97.3%	0.20	OK
	FE	21.5	3.5	21.5	2.15	100.0%	0.00	OK
	MG	8.2	0.4	7.75	0.775	94.5%	0.52	OK
	K	4	0.5	3.97	0.397	99.3%	0.05	OK
	NA	0.235	0.035	0.364	0.0364	154.9%	2.55	NO
	SB	0	0	<3.6	#VALUE!	False +	#VALUE!	OK
	AS	85	5	105	10.5	123.5%	1.72	OK
	BA	210	10	173	17.3	82.4%	1.85	OK
	CD	38	2	41.5	4.15	109.2%	0.76	OK
	CR	23.5	3.5	19.6	1.96	83.4%	0.97	OK
	CO	8.5	1.5	9	0.9	105.9%	0.29	OK
	CU	103.5	6.5	122	12.2	117.9%	1.34	OK
	PB	1225	275	1150	115	93.9%	0.25	OK
	MN	520	50	528	52.8	101.5%	0.11	OK
	NI	16	4	16.4	1.64	102.5%	0.09	OK
	SE	0.009	0.001	<.52	#VALUE!	#VALUE!	#VALUE!	OK
	V	48.5	8.5	48	4.8	99.0%	0.05	OK
	ZN	310	20	332	33.2	107.1%	0.57	OK
	BE	1.09	0.18	1	0.1	91.7%	0.44	OK
	TL	2.44	0.98	<.62	#VALUE!	FALSE -	#VALUE!	?
	AG	2.5	1.3	3.7	0.37	148.0%	0.89	NO

Laboratory: MSC			QC RESULTS					10/25/94
Request No.: 18681			<INORGANIC>					
CST-9 Blind QC's								
Sample	Analyte	Known	1-sig	Reported	1-sig	Recovery	z-value	In Control ?
94.20343	HG	790	0	930	93	117.7%	1.51	OK
94.20341	HG	140	40	<220	#VALUE!	#REF!	#REF!	OK
94.20342	HG	6.25	0.19	4.6	0.46	73.6%	3.32	NO
94.20339	AL	19	4	21.1	2.11	111.1%	0.46	OK
	CA	4.05	0.45	4.16	0.416	102.7%	0.18	OK
	FE	27.5	3.5	27.9	2.79	101.5%	0.09	OK
	MG	5.5	0.6	5.65	0.565	102.7%	0.18	OK
	K	4.5	0.5	4.66	0.466	103.6%	0.23	OK
	NA	0.53	0.03	0.95	0.095	179.2%	4.22	No
	SB	0	0	5	0.5	False +	10.00	No
	AS	575	25	654	65.4	113.7%	1.13	OK
	BA	340	60	294	29.4	86.5%	0.69	OK
	CD	17.9	3.9	22.1	2.21	123.5%	0.94	OK
	CR	18	2	15	1.5	83.3%	1.20	OK
	CO	8	2	9.8	0.98	122.5%	0.81	OK
	CU	2900	500	3130	313	107.9%	0.39	OK
	PB	5150	350	5350	535	103.9%	0.31	OK
	MN	7750	1150	8020	802	103.5%	0.19	OK
	NI	11	2	11.8	1.18	107.3%	0.34	OK
	SE	0.002	0	<.52	#VALUE!	#VALUE!	#VALUE!	#VALUE!
	V	45	5	52.2	5.22	116.0%	1.00	OK
	ZN	6100	500	6340	634	103.9%	0.30	OK
	AG	27.8	9	39.4	3.94	141.7%	1.18	NO
	BE	1.16	0.17	1.2	0.12	103.4%	0.19	OK
	TL	NO DATA AVAILABLE		<.62	#VALUE!	#VALUE!	#VALUE!	#VALUE!



VOLUME 1 OF 1

REFERENCE NO.:
PROJECT:
CLIENT:
ANALYSIS:

32507-30-73, SDG 4605
18681
LANL
METALS

Report Sent To: QA
Approved By: Tad Land
Date Sent: 10-3-94



TABLE OF CONTENTS

REFERENCE NO.: 32507-30-73, SDG 4605
PROJECT: 18681
CLIENT: LANL

This report contains narrative and data for the following volume. Please refer to the sample summary for a complete listing of samples and analyses included in this SDG.

VOLUME 1 OF 1 Sample Summary
 Narrative
 Summary Data Sheet
 Data Clarification
 Chain-of-Custody
 S3 Sample Log-In Sheet
 Metals Report

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: *Rick Phillips*
Date: September 24, 1994

Name: Rick Phillips
Title: Project Manager

Volume 1 shipped 09/24/94

SDG Memo/Sample Summary

Client Name: LANL

Date: 24 Sep 1994

Project Name: 18681

Update No.:

SDG No.: 4605

Work Order No.: 32507-30-73

Project Manager: R. PHILLIPS

Mail Date: 9-24-1994

Turnaround Time: 30 DAY

Client Samp No.	S-Cubed Samp No.	Date Rcvd	Date Samp	Matrix	FURNILM	HGILM	ICPILM						
94.18548	4605-01	8-27-1994	7-21-1994	SOIL	X	X	X						
94.18548MS	4605-01MS10	8-27-1994	7-21-1994	SOIL									
94.18548REP	4605-01REP	8-27-1994	7-21-1994	SOIL	X	X	X						
94.18551	4605-02	8-27-1994	7-15-1994	SOIL	X	X	X						
94.18555	4605-03	8-27-1994	7-27-1994	SOIL	X	X	X						
94.18557	4605-04	8-27-1994	8-3-1994	SOIL	X	X	X						
94.18560	4605-05	8-27-1994	7-25-1994	SOIL	X	X	X						
94.18561	4605-06	8-27-1994	7-25-1994	SOIL	X	X	X						
94.20311	4605-07	8-27-1994	7-8-1994	SOIL	X	X	X						
94.20312	4605-08	8-27-1994	7-20-1994	SOIL	X	X	X						
94.20313	4605-09	8-27-1994	7-15-1994	SOIL	X	X	X						
94.20314	4605-10	8-27-1994	6-30-1994	SOIL	X	X	X						
94.20315	4605-11	8-27-1994	6-28-1994	SOIL	X	X	X						
94.20316	4605-12	8-27-1994	6-30-1994	SOIL	X	X	X						
94.20317	4605-13	8-27-1994	6-28-1994	SOIL	X	X	X						
94.20318	4605-14	8-27-1994	6-28-1994	SOIL	X	X	X						
94.20319	4605-15	8-27-1994	7-27-1994	SOIL	X	X	X						
94.20320	4605-16	8-27-1994	7-24-1994	SOIL	X	X	X						
94.20321	4605-17	8-27-1994	7-27-1994	SOIL	X	X	X						
94.20322	4605-18	8-27-1994	7-25-1994	SOIL	X	X	X						
94.20323	4605-19	8-27-1994	7-28-1994	SOIL	X	X	X						
94.20324	4605-20	8-27-1994	7-8-1994	SOIL	X	X	X						

(X) = Non-Billable Sample

NARRATIVE

September 24, 1994

Narrative Project: 18681
Reference No.: 32507-30-73
Client: LANL
SDG No.: 4605

METALS

Samples were analyzed for trace metals following EPA CLP ILM03.0 procedures utilizing Inductively Coupled Plasma Atomic Emission analysis (ICP), using the TJA and Trace analyzer, and Cold-Vapor Atomic Absorption analysis (CVAA). Sample aliquots were acid digested using hot plate brought to a final volume in acid solution and analyzed by ICP. Mercury analysis was performed by a separate H_2SO_4/HNO_3 digestion with $KMNO_4$ and $K_2S_2O_8$, followed by CVAA. Calibration and QC procedures followed the CLP guidelines.

Samples were analyzed for the 23 Target Analyte List elements (TAL) with As, Pb, Tl and Se, being analyzed by the TRACE analyzer, Hg by CVAA and the remainder by ICP.

Analytes of interest were detected in the samples at low level or below the CRDL. High levels of Al, Ca, Cu, Fe, Mg and K were noted, in several samples.

The matrix spike recovery for several elements were outside the control limits, in sample 94.18548MS, however the post-digestion spike recoveries were within the control limits. Please note, MS was not performed for Hg in this SDG.

The %RPD recovery for replicate sample 94.18548REP was acceptable.

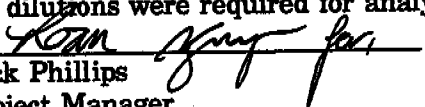
ICP serial dilutions were acceptable.

All batch QC were acceptable (LCS's and Blanks).

All calibration QC results were acceptable. One CRI for Sb run on 9/16/94 the recovery was low. No corrective action was performed.

Please note, for the ICP Interference Check Sample (Form 4), there are no real true values for the "True" Solution A. However, in order for the values to appear on the form, the number "1" was placed in the "True" Solution A column for non-cation analytes.

No dilutions were required for analysis.


Rick Phillips
Project Manager
enclosures
p:\nar4605

DATA CLARIFICATION

S-Cubed strives to provide complete, fully documented data packages to our clients. However there are instances where clarifications or corrections are required. Our policy is to respond to such needs within five working days of the initial contact. In order to expedite such clarifications the following process is highly recommended.

- Collect all questions concerning an SDG and provide them at one time.
- Specify all issues in writing. Feel free to telephone, but be prepared to follow up with an informal (handwritten) FAX to avoid miscommunication.
- Include the following information:
 - ▶ Your name, phone number and FAX number.
 - ▶ The client's name (i.e., the firm who requested the sample analyses).
 - ▶ The SDG number.
 - ▶ The Case number, S-Cubed project code or Reference number.
 - ▶ The specific analyses (i.e., VOA, Metals etc.) affected.
 - ▶ The S-Cubed sample number affected.

PROBLEM	CONTACT	TELEPHONE NO.
Report Clarifications	Loan Nguyen	619-637-7437
Invoice Documentation	Julie Alberti	619-637-7414
	FAX (Primary)	619-637-7401
	FAX (Secondary)	619-637-7402

PERFORMANCE APPRAISAL

S-Cubed is a customer focused company. It is important that we receive feedback on all aspects of our performance in order to better serve your needs. Please contact the people listed below with any comments or concerns you may have with data quality, delivery time, project management, customer interaction or any other areas for potential improvement.

CONTACT	TITLE	TELEPHONE NO.
John DeWald	Laboratory Operations Manager	619-637-7412
JoAnn Wilkinson	Regulatory Analysis Section Manager	619-637-7413
Robert Beimer	Division Vice President and Environmental Chemistry Section Manager	619-637-7410

INORGANIC REPORTING FLAGS

- C** Concentration Qualifier (C Column on forms)
B The reported value is less than the Contract Required Detection Limit (CRQL) or Estimated Quantitation Limit (EQL) but greater than the Instrument Detection Limit (IDL).
U The analyte was not detected.
- Q** Quality Qualifier (Q Column on forms)
E The reported value is estimated because of the presence of interference. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an sample specific).
- M** Duplicate injection precision not met.
N Spiked sample recovery not within control limits.
S The reported value was determined by the Method of Standard Additions (MSA).
W Post-digestion spike for Furnace AA analysis is out of control limits (85 to 115%), while sample absorbance is less than 50% of spike absorbance (see Exhibit E of the CLP SOW).
 • Duplicate analysis not within control limits.
 + Correlation coefficient for the MSA is less than 0.995.
- M** Method Qualifier (M Column on forms)
- P** ICP
A Flame AA
F Furnace AA
PM ICP with Microwave Digestion
AM Flame AA Microwave Digestion
FM Furnace AA Microwave Digestion
CV Manual Cold Vapor AA
AV Automated Cold Vapor AA
CA Cyanide - Mid-Distillation - Spectrophotometric
AS Semiautomated Spectrophotometric
C Manual Spectrophotometric
T Titrimetric
MS ICP/MS
G Gravimetric
SE Selective Electrode
IC Ion Chromatography
DE Digestion/Distillation, Selective Electrode
DC Digestion/Distillation, Spectrophotometric
DT Digestion/Distillation, Titration
SP Special Procedure
TC Total Carbon Analyzer
IR Infrared Spectrophotometer
NR Not Required to be Analyzed

TABLE 1. S-Cubed Sample Naming Conventions

	Radiochemistry and Organic Analysis	Metals & Misc Analysis
Sample QC Suffix Matrix Spike Matrix Spike Duplicate Replicate Dilution (# 1, 2, etc) Re-extraction/Re-preparation Re-analysis (# 1, 2, etc) Analytical Spike - QC (Metals) Serial Dilution - QC (Metals) Special/Project Specific LCSs	XXXX-XX MS XXXX-XX MSD XXXX-XX REP XXXX-XX DL [Y] XXXX-XX RX XXXX-XX RE [Y] XXXX-XX A XXXX-XX L XXXX-LCS [Z]	XXXX-XX S XXXX-XX M XXXX-XX R XXXX-XX D XXXX-XX B NA XXXX-XX A XXXX-XX L NA
Sample Type Suffix Organic Medium Level Extraction TCLP Leachate WET Leachate Dissolved/Filtered Multi-Phase, Aqueous Multi-Phase, Nonaqueous Liquid 1 Multi-Phase, Nonaqueous Liquid 2 Multi-Phase, Solid	XXXX-XX M XXXX-XX TC' XXXX-XX WT' XXXX-XX F' XXXX-XX PW' XXXX-XX P1' XXXX-XX P2' XXXX-XX PS'	NA XXXX-XX P' XXXX-XX W' XXXX-XX F' XXXX-XX X' XXXX-XX Y' XXXX-XX Z' XXXX-XX
QC Sample Names Prep/Extraction Blank Waters ³ Prep/Extraction Blank Soils Digestion Blank Waters Digestion Blank Soils VOA Analytical Blank Waters VOA Analytical Blank Soils Holding Blank Trip Blank TCLP Leaching Blank WET Leachate Blank Lab Control Sample Waters ² Lab Control Sample Soils ² Lab Control Sample - Nonstandard Matrix Reference Sample GPC Column Check - Pesticide GPC Column Check - PCB Florisil Column Check - Initial Florisil Column Check - Monthly Cleanup Column Check Unlisted Special Samples	EBWXXXX [X] EBSXXXX [X] PBWXXXX [X] PBSXXXX [X] VBWXXXX [X] VBSXXXX [X] HBLXXXX [X] TBLXXXX [X] TCBLXXXX [X] WTBLXXXX [X] LCSWXXXX [X] LCSSXXXX [X] LCSFXXXX [X] REFXXXX [X] GPCXXXX [Y] or [S] PCBXXXX [Y] FLIZXXXXXXXX [X] FLIZXXXX CLKXXXX [X] SPXXXXXXXX [X]	EBWXXXX [X] EBSXXXX [X] PBWXXXX [X] PBSXXXX [X] VBWXXXX [X] VBSXXXX [X] HBLXXXX [X] TBLXXXX [X] TCBLXXXX [X] WTBLXXXX [X] LCSWXXXX [X] LCSSXXXX [X] LCSFXXXX [X] REFXXXX [X] NA NA NA NA NA SPXXXXXXXX [X]

¹QC code placed here (i.e., 1272-01TCMS for TCLP leachate MS).

²For wet chemistry parameters where the LCS is for both water and soil matrices the "S" and "W" for soil or water can be omitted.

³Use this nomenclature for direct injection organic analyses.

XXXX-XX = Lot and sample number, sample number must contain 2 digits (i.e., -02 not -2).

XXXX = Date or Lot number depending on circumstances (i.e., for June 19 use 0619).

[S] = "S" to designate spiking solution checks.

[X] = Optional letter (A, B, C, etc) if more than one QC sample is prepared for the day, SDG or Lot number.

[Y] = Optional number (1, 2, 3, etc) if more than one dilution or reanalysis is performed on a sample or designate the GPC column number.

[Z] = Letter designating analysis (i.e., O = OCP Pesticide, SV = SVOA, V = VOA, H = Herbicides, etc).

DATA PACKAGE - TRACE METALS

- **Analysis Narrative**
- **Analysis Summary**
 - ▶ **Cover Page**
 - ▶ **Sample Results** Form 1
 - ▶ **Initial and Continuing Calibration** Form 2A
 - ▶ **CRDL Standard** Form 2B
 - ▶ **Blank Results** Form 3
 - ▶ **ICP Interference Check** Form 4
 - ▶ **Spike Sample Recovery** Form 5A
 - ▶ **Post Digest Spike Recovery** Form 5B
 - ▶ **MS/MSD Summary** Form 5C
 - ▶ **Duplicate Summary** Form 6
 - ▶ **Laboratory Control Sample** Form 7
 - ▶ **Standard Addition Results** Form 8
 - ▶ **ICP Serial Dilution** Form 9
 - ▶ **Instrument Detection Limits (Quarterly)** Form 10
 - ▶ **ICP Interelement Correction (Quarterly)** Form 11A
 - ▶ **ICP Interelement Correction (Quarterly)** Form 11B
 - ▶ **Preparation Log** Form 13
 - ▶ **ICP Linear Ranges (Quarterly)** Form 13
 - ▶ **Analysis Run Log** Form 14
 - ▶ **ICP/MS Tuning (If Appropriate)** Form 14
- **Raw Data Packages**
 - ▶ **ICP**
 - ▶ **GFAA**
 - ▶ **CVAA**
 - ▶ **CN (If Appropriate)**
- **Each Package Contains:**
 - ▶ **Run Log Copy**
 - ▶ **Instrument Printouts**
 - ▶ **Digestion**
 - ▶ **ITL Copy**

Los Alamos
NATIONAL LABORATORY

Lot 4605 *into*
Temp 10°C

August 26, 1994

Rick Phillips
S-Cubed
8808 Balboa Ave
San Diego, CA 92123

Dear Rick :

Please analyze the enclosed samples according to the schedule below. These samples are on Request Number: 18681

Screening data enclosed. If samples do not have data, they are known to be non-radioactive. Please analyze according to the NEW contract, standard turn around time.

Cost Center: 4609

Program Fund Code: M78B

ANALYTES	MATRIX DATE		
	SAMPLE-CUT CODE COLLECTED		
AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, HG, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN	01	94.18548-2	S 21-JUL-94
	02	94.18551-2	S 15-JUL-94
	03	94.18555-2	S 27-JUL-94
	04	94.18557-2	S 03-AUG-94
	05	94.18560-2	S 25-JUL-94
	06	94.18561-2	S 25-JUL-94
	07	94.20311-1	S 06-JUL-94
	08	94.20312-1	S 20-JUL-94
	09	94.20313-1	S 15-JUL-94
	10	94.20314-1	S 30-JUN-94
	11	94.20315-1	S 28-JUN-94
	12	94.20316-1	S 30-JUN-94
	13	94.20317-1	S 28-JUN-94
	14	94.20318-1	S 28-JUN-94
	15	94.20319-1	S 27-JUL-94
	16	94.20320-1	S 24-JUL-94
	17	94.20321-1	S 27-JUL-94
	18	94.20322-1	S 25-JUL-94
	19	94.20323-1	S 28-JUL-94
	20	94.20324-1	S 08-JUL-94
	21	94.20325-1	S 28-JUL-94
	22	94.20326-1	S 28-JUL-94
	23	94.20327-1	S 27-JUL-94
	24	94.20328-1	S 27-JUL-94
	25	94.20329-1	S 18-JUL-94
	26	94.20330-1	S 18-JUL-94
	27	94.20331-1	S 18-JUL-94
	28	94.20332-1	S 14-JUL-94
	29	94.20333-1	S 18-JUL-94
	30	94.20334-1	S 14-JUL-94
	31	94.20335-1	S 14-JUL-94
	32	94.20336-1	S 25-JUL-94

LOT#4605

LOS ALAMOS
Los Alamos National Laboratory
Los Alamos, New Mexico 87545

EM-9 CHAIN OF CUSTODY DOCUMENT

NBR: 14691

Request: 1992

Desc: SAK TAL METALS

Sample	Qty	Type	Size	Comments
-0194.18548✓	2	GLASS	125 ML	TAL METALS
-0294.18551✓	2	GLASS	125 ML	TAL METALS
-0394.18555✓	2	GLASS Poly	125 ML	TAL METALS
-0494.18557✓	2	GLASS	125 ML	TAL METALS
0594.18560✓	2	GLASS	125 ML	TAL METALS
0694.18561✓	2	GLASS	125 ML	TAL METALS
0794.20311✓	1	GLASS	125 ML	TAL METALS
0894.20312✓	1	GLASS	125 ML	TAL METALS
0994.20313✓	1	GLASS	125 ML	TAL METALS
1094.20314✓	1	GLASS	125 ML	TAL METALS
1194.20315✓	1	GLASS	125 ML	TAL METALS
1294.20316✓	1	GLASS	125 ML	TAL METALS
1394.20317✓	1	GLASS Poly	125 ML	TAL METALS
1494.20318✓	1	GLASS Poly	125 ML	TAL METALS
1594.20319✓	1	GLASS Poly	125 ML	TAL METALS
1694.20320✓	1	GLASS	125 ML	TAL METALS
1794.20321✓	1	GLASS	125 ML	TAL METALS
1894.20322✓	1	GLASS	125 ML	TAL METALS
1994.20323✓	1	GLASS	125 ML	TAL METALS
2094.20324✓	1	GLASS	125 ML	TAL METALS

Rec'd all samples on this page.

Relinquished By (Print Name & Sign)	Date	Time	Received By (Print Name & Sign)
<i>[Signature]</i>	8/20	2:00	<i>[Signature]</i> Tina Mullins

Received for Disposal By (Print Name and Sign) Remarks

Los Alamos National Laboratory

LOS ALAMOS
Los Alamos National Laboratory
Los Alamos, New Mexico 87545

EM-9 CHAIN OF CUSTODY DOCUMENT

NBP: 14692

Request: 13691

Desc: SAK TAL METALS

Sample	Cut	Type	Size	Comments
21 94.20325 ✓	1	Poly GLASS	125 ML	TAL METALS
22 94.20326 ✓	1	Poly GLASS	125 ML	TAL METALS
23 94.20327 ✓	1	Poly GLASS	125 ML	TAL METALS
24 94.20328 ✓	1	Poly GLASS	125 ML	TAL METALS
25 94.20329 ✓	1	GLASS	125 ML	TAL METALS
26 94.20330 ✓	1	GLASS	125 ML	TAL METALS
27 94.20331 ✓	1	GLASS	125 ML	TAL METALS
28 94.20332 ✓	1	GLASS	125 ML	TAL METALS
29 94.20333 ✓	1	GLASS	125 ML	TAL METALS
30 94.20334 ✓	1	GLASS	125 ML	TAL METALS
31 94.20335 ✓	1	GLASS	125 ML	TAL METALS
32 94.20336 ✓	1	GLASS	125 ML	TAL METALS
33 94.20337 ✓	1	GLASS	125 ML	TAL METALS
34 94.20338 ✓	1	POLYETHYLENE	60 ML	TAL METALS
35 94.20339 ✓	1	POLYETHYLENE	60 ML	TAL METALS
36 94.20340 ✓	1	POLYETHYLENE	60 ML	TAL METALS
37 94.20341 ✓	1	POLYETHYLENE	125ML VIAL	MERCURY
38 94.20342 ✓	1	POLYETHYLENE	125ML VIAL	MERCURY
39 94.20343 ✓	1	POLYETHYLENE	125ML VIAL	MERCURY
40 94.20344 ✓	1	GLASS	125 ML	TAL METALS

Need all samples on this page for

Relinquished By (Print Name & Sign) W. G. ... Date 7/10/94 Time 7:00 Received By (Print Name & Sign) Tina Mullins

Received for Disposal By (Print Name and Sign) _____ Remarks _____

Los Alamos National Laboratory

Slide

Date 6/28/94

Analyst C.M. Cm

524

15-2115
15-2264
18-24"

AAB3396	Alpha	3.70	+/- 83.28*	pCi/g
	Beta	-44.84	+/- 90.73*	pCi/g
	Gamma	-0.32	+/- 2.16*	pCi/g

566

15-2100
18-24"

AAB3451	Alpha	3.70	+/- 83.28*	pCi/g
	Beta	-4.27	+/- 90.73*	pCi/g
	Gamma	-0.84	+/- 2.16*	pCi/g

566

15-2112

AAB3461	Alpha	11.10	+/- 83.28*	pCi/g
	Beta	68.33	+/- 90.73*	pCi/g
	Gamma	0.67	+/- 2.16*	pCi/g

15-2111

AAB3489	Alpha	-3.70	+/- 83.28*	pCi/g
	Beta	-4.27	+/- 90.73*	pCi/g
	Gamma	-0.83	+/- 2.16*	pCi/g

CST-9 Radiochemistry Screening Data **TA-15** **MRAL2**

Date: 7/20/94
 Analyst: *in*

Comments: Gross Alpha/Beta/Gamma

Gross Gamma Screening Data (MDA 2.16)

Sample #	Result	Uncertainty	Units
<i>SL</i> - AAB3295	-0.27	2.16	pCi/g
<i>SSB</i> - AAB3318	3.39	2.16	pCi/g
AAB3322	-3.14	2.16	pCi/g
AAB3427	-2.85	2.16	pCi/g
<i>SL</i> - AAB3428	1.97	2.16	pCi/g
<i>SL</i> - AAB3429	2.6	2.16	pCi/g
<i>SL</i> - AAB3430	2.77	2.16	pCi/g
AAB3432	-4	2.16	pCi/g
<i>SL</i> - AAB3433	0.66	2.16	pCi/g
AAB3437	1.04	2.16	pCi/g

Gross Alpha/Beta Screening Data **(Alpha MDA 83.28 Beta MDA 90.73)**

Sample #	Alpha	Uncertainty	Beta	Uncertainty	Units
<i>SL</i> - AAB3295	-3.69	83.28	104.63	99.54	pCi/g
<i>SSB</i> - AAB3318	25.83	91.95	179.36	130.33	pCi/g
AAB3322	-3.69	83.28	-85.41	90.73	pCi/g
AAB3427	3.69	83.28	4.27	90.73	pCi/g
<i>SL</i> - AAB3428	25.83	91.95	55.52	90.73	pCi/g
<i>SL</i> - AAB3429	3.69	83.28	74.73	90.73	pCi/g
<i>SL</i> - AAB3430	11.07	83.28	117.44	105.46	pCi/g
AAB3432	3.69	83.28	2.14	90.73	pCi/g
<i>SL</i> - AAB3433	11.07	83.28	123.84	108.3	pCi/g
AAB3437	-3.69	83.28	-36.3	90.73	pCi/g

CST-9 Radiochemistry Screening Data **TA-15** **MRAL2**

Date: 7/18/94
 Analyst: CM

Comments: Gross Alpha/Beta/Gamma

Gross Gamma Screening Data (MDA 2.16)

Sample #	Result	Uncertainty	Units
558 - AAB3312	0.82	2.16	pCi/g
538 - AAB3320	32.1	2.16	pCi/g
546 - AAB3325	2.23	2.16	pCi/g
558 - AAB3327	0.15	2.16	pCi/g
546 - AAB3332	-2.17	2.16	pCi/g
546 - AAB3431	-2.14	2.16	pCi/g
546 - AAB3435	-2.23	2.16	pCi/g
AAB3458	0.07	2.16	pCi/g
AAB3440	-3.51	2.16	pCi/g
558 - AAB3466	-1.98	2.16	pCi/g
538 - AAB3478	0.82	2.16	pCi/g
538 - AAB3518	1.29	2.16	pCi/g

AAB 3438(?) 566

Gross Alpha/Beta Screening Data **(Alpha MDA 83.28 Beta MDA 90.73)**

Sample #	Alpha	Uncertainty	Beta	Uncertainty	Units
558 - AAB3312	14.76	83.28	2.14	90.73	pCi/g
538 - AAB3320	14.76	83.28	597.86	237.95	pCi/g
546 - AAB3325	7.38	83.28	-32.03	90.73	pCi/g
558 - AAB3327	0	83.28	-32.03	90.73	pCi/g
546 - AAB3332	-7.38	83.28	-119.57	106.42	pCi/g
546 - AAB3431	7.38	83.28	-125.98	109.23	pCi/g
546 - AAB3435	-7.38	83.28	-183.63	131.88	pCi/g
3438 ? AAB3458	7.38	83.28	-143.06	116.4	pCi/g
AAB3440	7.38	83.28	-145.19	117.27	pCi/g
558 - AAB3466	0	83.28	-81.14	90.73	pCi/g
538 - AAB3478	0	83.28	-104.63	99.54	pCi/g
538 - AAB3518	-7.38	83.28	2.14	90.73	pCi/g

2306

2311

2301.7

2313

566

CST-9 Radiochemistry Screening Data **TA-15** **MRAL2**

Date: 7/21/94
 Analyst:

Comments: Gross Alpha/Beta/Gamma

Gross Gamma Screening Data (MDA 2.16)			
Sample #	Result	Uncertainty	Units
558 - AAB3294	21.41	2.16	pCi/g
566 - AAB3321	-0.85	2.16	pCi/g
558 - AAB3323	-1.59	2.16	pCi/g
AAB3329	26.32	2.16	pCi/g
AAB3474	38.45	2.16	pCi/g
AAB3483	0.68	2.16	pCi/g
566 - AAB3525	-2.92	2.16	pCi/g

Gross Alpha/Beta Screening Data (Alpha MDA 83.28 Beta MDA 90.73)					
Sample #	Alpha	Uncertainty	Beta	Uncertainty	Units
558 - AAB3294	-7.38	83.28	-25.62	90.73	pCi/g
566 - AAB3321	0	83.28	-29.89	90.73	pCi/g
558 - AAB3323	0	83.28	-6.41	90.73	pCi/g
AAB3329	0	83.28	651.24	248.35	pCi/g
AAB3474	73.8	155.43	1469.02	373	pCi/g
AAB3483	14.76	83.28	143.06	116.4	pCi/g
566 - AAB3525	7.38	83.28	-17.08	90.73	pCi/g

CST-9 Radiochemistry Screening Data **TA-15** **MRAL2**

Date: 7/22/94
 Analyst: CM

Comments: Gross Alpha/Beta/Gamma

Gross Gamma Screening Data (MDA 2.16)

Sample #	Result	Uncertainty	Units
546- AAB3298	-1.04	2.16	pCi/g
538 - AAB3302	2.72	2.16	pCi/g
538 - AAB3326	1.59	2.16	pCi/g
538 - AAB3328	15.64	2.16	pCi/g
558 - AAB3330	-2.92	2.16	pCi/g

Gross Alpha/Beta Screening Data **(Alpha MDA 83.28 Beta MDA 90.73)**

Sample #	Alpha	Uncertainty	Beta	Uncertainty	Units
546- AAB3298	-11.07	83.28	-53.38	90.73	pCi/g
538 - AAB3302	-11.07	83.28	25.62	90.73	pCi/g
538 - AAB3326	-11.07	83.28	14.95	90.73	pCi/g
538 - AAB3328	25.83	91.95	721.7	261.44	pCi/g
558 - AAB3330	-11.07	83.28	-64.06	90.73	pCi/g

CST-9 Radiochemistry Screening Data **TA-15** **MRAL2**

Date: 7/26/94
 Analyst: CM

Comments: Gross Alpha/Beta/Gamma

Gross Gamma Screening Data (MDA 2.16)			
Sample #	Result	Uncertainty	Units
558- AAB3324	-2.11	2.16	pCi/g
558- AAB3331	3.56	2.16	pCi/g
✓ AAB3426	-1.19	2.16	pCi/g
✓ AAB3436	0.55	2.16	pCi/g
✓ AAB3439	1.85	2.16	pCi/g
SLB ✓ AAB3470	2.01	2.16	pCi/g
SLB ✓ AAB3473	28.82	2.16	pCi/g
SLB ✓ AAB3477	2.58	2.16	pCi/g
SLB ✓ AAB3480	3.25	2.16	pCi/g
558- ✓ AAB3516	25.76	2.16	pCi/g

Gross Alpha/Beta Screening Data (Alpha MDA 83.28 Beta MDA 90.73)					
Sample #	Alpha	Uncertainty	Beta	Uncertainty	Units
558- AAB3324	0	83.28	-29.89	90.73	pCi/g
558- AAB3331	-14.76	83.28	-53.38	90.73	pCi/g
AAB3426	-14.76	83.28	-14.95	90.73	pCi/g
AAB3436	-7.38	83.28	-29.89	90.73	pCi/g
AAB3439	-7.38	83.28	-46.97	90.73	pCi/g
SLB AAB3470	-7.38	83.28	-23.49	90.73	pCi/g
SLB- AAB3473	-14.76	83.28	143.06	116.4	pCi/g
SLB- AAB3477	-14.76	83.28	72.6	90.73	pCi/g
SLB- AAB3480	-14.76	83.28	32.03	90.73	pCi/g
558- AAB3516	-7.38	83.28	540.21	226.19	pCi/g

CST-9 Radiochemistry Screening Data **TA-15** **MRAL2**

244

Date: 8/1/94
 Analyst: CM

Comments: Gross Alpha/Beta/Gamma

Gross Gamma Screening Data (MDA 2.16)			
Sample #	Result	Uncertainty	Units
566- AAB3352	3.2	2.16	pCi/g
566- AAB3353	9.85	2.16	pCi/g
AAB3354	14.74	2.16	pCi/g
AAB3399	30.39	2.16	pCi/g
AAB3400	16.66	2.16	pCi/g
566- AAB3503	7.94	2.16	pCi/g
566- AAB3504	1.49	2.16	pCi/g
AAB3529	210.54	4.23	pCi/g
AAB3531	4.38	2.16	pCi/g

Gross Alpha/Beta Screening Data (Alpha MDA 83.28 Beta MDA 90.73)					
Sample #	Alpha	Uncertainty	Beta	Uncertainty	Units
566- AAB3352	-7.38	83.28	-51.25	90.73	pCi/g
566- AAB3353	-7.38	83.28	85.41	90.73	pCi/g
AAB3354	0	83.28	104.63	99.54	pCi/g
AAB3399	-7.38	83.28	44.84	90.73	pCi/g
AAB3400	14.76	83.28	196.44	136.4	pCi/g
566- AAB3503	0	83.28	38.43	90.73	pCi/g
566- AAB3504	0	83.28	-2.14	90.73	pCi/g
AAB3529	14.76	83.28	367.26	186.5	pCi/g
AAB3531	-7.38	83.28	-6.41	90.73	pCi/g

CST-9 Radiochemistry Screening Data **TA-15 MRAL2**

Date: 7/28/94
 Analyst: *CM*

Comments: Gross Alpha/Beta/Gamma

Gross Gamma Screening Data (MDA 2.16)

Sample #	Result	Uncertainty	Units
<i>SL</i> - AAB3355	7.23	2.16	pCi/g
AAB3397	5.44	2.16	pCi/g
<i>SL</i> - AAB3398	1.89	2.16	pCi/g
<i>SL</i> - AAB3401	5.81	2.16	pCi/g
AAB3402	3.97	2.16	pCi/g
<i>SL</i> - AAB3530	0.57	2.16	pCi/g

Gross Alpha/Beta Screening Data **(Alpha MDA 83.28 Beta MDA 90.73)**

Sample #	Alpha	Uncertainty	Beta	Uncertainty	Units
<i>SL</i> - AAB3355	0	83.28	439.85	204.1	pCi/g
AAB3397	0	83.28	194.3	135.65	pCi/g
<i>SL</i> - AAB3398	7.38	83.28	125.98	109.23	pCi/g
<i>SL</i> - AAB3401	0	83.28	8.54	90.73	pCi/g
AAB3402	0	83.28	21.35	90.73	pCi/g
<i>SL</i> - AAB3530	14.76	83.28	-100.35	97.49	pCi/g

CST-9 Radiochemistry Screening Data **TA-15** **MRAL2**

Date: 8/4/94 Comments: Gross Alpha/Beta/Gamma
Analyst: CM

Gross Gamma Screening Data (MDA 2.16)			
Sample #	Result	Uncertainty	Units
SSB - AAB3420	1.17	2.16	pCi/g
✓ AAB3442	1.67	2.16	pCi/g
✓ AAB3444	-2.18	2.16	pCi/g
SL AAB3445	50.83	2.16	pCi/g
SSB - AAB3447	19.98	2.16	pCi/g
SSB - AAB3449	10.39	2.16	pCi/g
✓ AAB3507	46.21	2.16	pCi/g
SSB - AAB3523	0.76	2.16	pCi/g
SSB - AAB3526	-1.01	2.16	pCi/g

Gross Alpha/Beta Screening Data (Alpha MDA 83.28 Beta MDA 90.73)					
Sample #	Alpha	Uncertainty	Beta	Uncertainty	Units
SSB - AAB3420	-3.69	83.28	103.56	99.03	pCi/g
AAB3442	-3.69	83.28	-22.42	90.73	pCi/g
AAB3444	11.07	83.28	43.77	90.73	pCi/g
SL AAB3445	18.45	83.28	784.69	272.61	pCi/g
SSB - AAB3447	-3.69	83.28	41.64	90.73	pCi/g
SSB - AAB3449	-3.69	83.28	229.54	147.44	pCi/g
AAB3507	3.69	83.28	671.52	252.19	pCi/g
SSB - AAB3523	3.69	83.28	65.12	90.73	pCi/g
SSB - AAB3526	3.69	83.28	-24.55	90.73	pCi/g

CST-9 Radiochemistry Screening Data **TA-15 MRAL2**

Date: 7/1/94

Comments: Gross Alpha/Beta/Gamma

Analyst: CM

Gross Gamma Screening Data (MDA 2.16)			
Sample #	Result	Uncertainty	Units
AAB3293	0.59	2.16	pCi/g
AAB3296	0.16	2.16	pCi/g
AAB3297	-2.23	2.16	pCi/g
AAB3300	1.28	2.16	pCi/g
AAB3301	-0.16	2.16	pCi/g
AAB3303	1.54	2.16	pCi/g
AAB3305	1.11	2.16	pCi/g
558-AAB3307	1.41	2.16	pCi/g
AAB3309	1.32	2.16	pCi/g
AAB3310	1.81	2.16	pCi/g
AAB3313	2.04	2.16	pCi/g
AAB3315	0.92	2.16	pCi/g
AAB3316	1.13	2.16	pCi/g
AAB3317	1.43	2.16	pCi/g
AAB3319	0.53	2.16	pCi/g
AAB3335	2.19	2.16	pCi/g
566-AAB3336	1.93	2.16	pCi/g
AAB3338	0.76	2.16	pCi/g
AAB3339	2.32	2.16	pCi/g
566-AAB3340	1.21	2.16	pCi/g
AAB3341	3.34	2.16	pCi/g
566-AAB3342	-0.8	2.16	pCi/g
558-AAB3343	0.78	2.16	pCi/g
AAB3450	5.36	2.16	pCi/g
558-AAB3452	2.11	2.16	pCi/g
AAB3475	66.95	2.45	pCi/g
566-AAB3476	1.06	2.16	pCi/g
AAB3481	-0.1	2.16	pCi/g
558-AAB3487	1.52	2.16	pCi/g
558 AAB3521	1.73	2.16	pCi/g

Gross Alpha/Beta Screening Data **(Alpha MDA 83.28 Beta MDA 90.73)**

Sample #	Alpha	Uncertainty	Beta	Uncertainty	Units
AAB3293	18.45	83.28	0	90.73	pCi/g
AAB3296	11.07	83.28	12.81	90.73	pCi/g
AAB3297	-3.69	83.28	32.03	90.73	pCi/g
AAB3300	18.45	83.28	36.3	90.73	pCi/g
AAB3301	18.45	83.28	34.16	90.73	pCi/g
AAB3303	-3.69	83.28	-12.81	90.73	pCi/g
AAB3305	-3.69	83.28	29.89	90.73	pCi/g
558-AAB3307	11.07	83.28	-2.14	90.73	pCi/g
AAB3309	18.45	83.28	-93.95	94.33	pCi/g

CST-9 Radiochemistry Screening Data **TA-15 MRAL2**

Date: 7/7/94 Comments: Gross Alpha/Beta/Gamma
Analyst: *Ch*

Gross Gamma Screening Data (MDA 2.16)

Sample #	Result	Uncertainty	Units
AAB3299	3	2.16	pCi/g
AAB3306	4.38	2.16	pCi/g
AAB3311	0.62	2.16	pCi/g
AAB3314	0.59	2.16	pCi/g
558- AAB3334	0.9	2.16	pCi/g
AAB3337	-1.92	2.16	pCi/g
AAB3471	-0.43	2.16	pCi/g
AAB3479	0.44	2.16	pCi/g
AAB3484	0.36	2.16	pCi/g
556- AAB3485	1.58	2.16	pCi/g
AAB3488	-0.52	2.16	pCi/g
558- AAB3515	3.99	2.16	pCi/g
AAB3524	-0.67	2.16	pCi/g

Gross Alpha/Beta Screening Data **(Alpha MDA 83.28 Beta MDA 90.73)**

Sample #	Alpha	Uncertainty	Beta	Uncertainty	Units
AAB3299	0	83.28	-4.27	90.73	pCi/g
AAB3306	0	83.28	-14.95	90.73	pCi/g
AAB3311	0	83.28	-4.27	90.73	pCi/g
AAB3314	0	83.28	-8.54	90.73	pCi/g
556 - AAB3334	0	83.28	12.81	90.73	pCi/g
AAB3337	7.38	83.28	-4.27	90.73	pCi/g
AAB3471	14.76	83.28	-8.54	90.73	pCi/g
AAB3479	7.38	83.28	34.16	90.73	pCi/g
AAB3484	22.14	85.13	55.52	90.73	pCi/g
AAB3485	7.38	83.28	-2.14	90.73	pCi/g
556- AAB3485	0	83.28	-29.89	90.73	pCi/g
AAB3488	7.38	83.28	36.3	90.73	pCi/g
558- AAB3515	0	83.28	-44.84	90.73	pCi/g
AAB3524	0	83.28	-4.27	90.73	pCi/g

AAB3310	-3.69	83.28	-21.35	90.73	pCi/g
AAB3313	3.69	83.28	6.41	90.73	pCi/g
AAB3315	3.69	83.28	0	90.73	pCi/g
AAB3316	-3.69	83.28	12.81	90.73	pCi/g
AAB3317	25.83	91.95	64.06	90.73	pCi/g
AAB3319	-3.69	83.28	-40.57	90.73	pCi/g
AAB3335	11.07	83.28	17.08	90.73	pCi/g
566 - AAB3336	-3.69	83.28	70.46	90.73	pCi/g
AAB3338	3.69	83.28	29.89	90.73	pCi/g
AAB3339	3.69	83.28	74.73	90.73	pCi/g
566 - AAB3340	11.07	83.28	70.46	90.73	pCi/g
AAB3341	3.69	83.28	55.52	90.73	pCi/g
566 - AAB3342	11.07	83.28	87.54	91.06	pCi/g
558 AAB3443	3.69	83.28	108.9	101.55	pCi/g
AAB3450	3.69	83.28	91.81	93.25	pCi/g
558 AAB3452	3.69	83.28	151.6	119.82	pCi/g
AAB3475	188.19	248.2	1368.67	360.03	pCi/g
566 - AAB3476	3.69	83.28	68.33	90.73	pCi/g
AAB3481	11.07	83.28	93.95	94.33	pCi/g
558 - AAB3487	11.07	83.28	130.25	111.07	pCi/g
558 AAB3521	11.07	83.28	153.74	120.66	pCi/g

CST-9 Radiochemistry Screening Data **TA-15 MRAL2**

Date: 7/9/94

Comments: Gross Alpha/Beta/Gamma

Analyst: *cm*

Gross Gamma Screening Data (MDA 2.16)

Sample #	Result	Uncertainty	Units	
54- AAB3304	-1.08	2.16	pCi/g	15.2153 9-15
AAB3308	1.39	2.16	pCi/g	15.2142 0-4.5
558- AAB3344	6.61	2.16	pCi/g	15.2153 0-5
AAB3453	1	2.16	pCi/g	15.2175 0-6
AAB3454	1.02	2.16	pCi/g	15.2146 0-6
AAB3455	-1.19	2.16	pCi/g	15.2175 6-22 rcp
AAB3457	0.26	2.16	pCi/g	15.2187 0-6
558- AAB3458	5.09	2.16	pCi/g	15.2152 0-4.5
AAB3463	0.69	2.16	pCi/g	15.2202 11-15 rcp
AAB3465	-0.81	2.16	pCi/g	15.2164 0-6
AAB3467	-1.35	2.16	pCi/g	15.2152 18-24
AAB3468	0.9	2.16	pCi/g	15.2213 0-6
AAB3493	0.08	2.16	pCi/g	15.2275 0-4
AAB3494	0.95	2.16	pCi/g	15.2276 0-6
AAB3509	-1.85	2.16	pCi/g	15.2175 0-6 rcp
AAB3510	3.12	2.16	pCi/g	15.2244 276 0-6 rcp
AAB3511	0.22	2.16	pCi/g	15.2165 0-6
AAB3512	-1.65	2.16	pCi/g	15.2175 16-22
AAB3513	1.27	2.16	pCi/g	15.2214 0-6
AAB3514	-0.81	2.16	pCi/g	15.2163 6-12
AAB3517	0.17	2.16	pCi/g	15.2202 0-6
AAB3528	1.31	2.16	pCi/g	15.2154 0-2.5

Gross Alpha/Beta Screening Data **(Alpha MDA 83.28 Beta MDA 90.73)**

Sample #	Alpha	Uncertainty	Beta	Uncertainty	Units
54- AAB3304	-7.38	83.28	-38.43	90.73	pCi/g
AAB3308	-7.38	83.28	-25.62	90.73	pCi/g
558- AAB3344	22.14	85.13	194.3	135.65	pCi/g
AAB3453	0	83.28	4.27	90.73	pCi/g
AAB3454	0	83.28	-32.03	90.73	pCi/g
AAB3455	0	83.28	-8.54	90.73	pCi/g
AAB3457	0	83.28	-27.76	90.73	pCi/g
558- AAB3458	-7.38	83.28	70.46	90.73	pCi/g
AAB3463	-7.38	83.28	-36.3	90.73	pCi/g
AAB3465	0	83.28	17.08	90.73	pCi/g
AAB3467	-7.38	83.28	-59.79	90.73	pCi/g
AAB3468	7.38	83.28	-14.95	90.73	pCi/g
AAB3493	0	83.28	-29.89	90.73	pCi/g
AAB3494	-7.38	83.28	-25.62	90.73	pCi/g
AAB3509	-7.38	83.28	-6.41	90.73	pCi/g

RVE19094.S15

AAB3510	0	83.28	19.22	90.73	pCi/g
AAB3511	7.38	83.28	32.03	90.73	pCi/g
AAB3512	0	83.28	0	90.73	pCi/g
AAB3513	-7.38	83.28	-36.3	90.73	pCi/g
AAB3514	0	83.28	8.54	90.73	pCi/g
AAB3517	0	83.28	-2.14	90.73	pCi/g
AAB3528	-7.38	83.28	21.35	90.73	pCi/g

MAXWELL

S-CUBED Division

Lot No. 4605

Sample Log-In Sheet

Revision No.: 0

Date Received: 8-27-1994 Client Code: LANL Client SDG: Data Due Date: 9-16-1994
 Time Received: 1030 Reporting Level: FULL CLP Disk Format: N Custody Seals Present/Intact ☒ Y N
 Date Sampled: 7-21-1994 Turnaround Required: 30 DAY Chain of Custody Present/Intact ☒ Y N
 Airbill No. 331 6395 512 QC Level: Other QAPJP: N Client Forms Present ☒ Y N
 Charge No. 32507-30-73

Case No./Project Code: 18681			SDG No.: 4605			FURNILM			HGLM			ICFILM			Notes		
S-Cubed Sample No.	Sample Identification	Samp. Type	No. Cont.	Samp. Stor.													
4605-01	94.18548	SOIL	1	W11					X	X		X	X				
4605-02	94.18551	SOIL	1	W11					X	X		X	X				
4605-03	94.18555	SOIL	1	W11					X	X		X	X				
4605-04	94.18557	SOIL	1	W11					X	X		X	X				
4605-05	94.18560	SOIL	1	W11					X	X		X	X				
4605-06	94.18561	SOIL	1	W11					X	X		X	X				
4605-07	94.20311	SOIL	1	W11					X	X		X	X				
4605-08	94.20312	SOIL	1	W11					X	X		X	X				
4605-09	94.20313	SOIL	1	W11					X	X		X	X				
4605-10	94.20314	SOIL	1	W11					X	X		X	X				
4605-11	94.20315	SOIL	1	W11					X	X		X	X				
4605-12	94.20316	SOIL	1	W11					X	X		X	X				
4605-13	94.20317	SOIL	1	W11					X	X		X	X				
4605-14	94.20318	SOIL	1	W11					X	X		X	X				

Container Codes: H 500 ml glass, I 250 ml glass, J 250 ml poly, K 500 ml poly, L 1 liter poly, M 1 liter cube, N 4 liter cube
 Scintillation Vial: O Plastic Bag, P Other
 Narrow Sleeve, Wide Sleeve
 Preservation: 1 HCl, 2 HNO3, 3 H2SO4, 4 NaOH, 5 NaOH, ZnAc

Soil = Soil/Sediment/Sludge
 Water = Aqueous
 NAL = Non-Aqueous Liquid
 NSS = Non-Soil Solid

Received by (Sig): Amy Smith
 Review 10/2/99
 SDG Complete ☒ Y N

Sample Log-In Sheet

S-CUBED Division

Lot No. 4605

Revision No.: 0

Date Received: 8-27-1994

Client Code: LANL

Client SDG:

Data Due Date: 9-16-1994

Time Received: 1030

Reporting Level: FULL CLP

Date Sampled: 7-21-1994

Disk Format: N

Report Mail Date: 9-23-1994

Custody Seals Present/Intact ☒ Y / ☐ N

Airbill No. 331 639

Turnaround Required: 30 DAY

Chain of Custody Present/intact (Y) N

Charge No. 32507-30-73

QC Level: Other

Client Forms Present/Y, N

[illegible]

Container Codes

A 40ml VOA
 B 1 liter glass
 C 2 liter glass
 D 4 liter glass
 E 4 oz widemouth
 F 8 oz widemouth
 G 16 oz widemouth

	H	I	J	K	L	M	N
Container	500 ml glass	250 ml glass	250 ml poly	500 ml poly	1 liter poly	1 liter cube	4 liter cube
Q Scintillation Vial							
P Plastic Bag							
R Other							
NS Narrow Sleeve							
WS Wide Sleeve							

Preservation

- 1 HCl
- 2 HNO₃
- 3 H₂SO₄
- 4 NaOH
- 5 NaOH, ZnAc

Soil = Soil/Sediment/Sludge

Water = Aqueous

NAL = Non-Aqueous Liquid

NSS = Non-Soil Solid

Received by (Sig):

Review 209/29

SDG Complete (Y) N

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: S_CUBED _____ Contract: 32507-3073
Lab Code: S3 _____ Case No.: 18681 SAS No.: _____ SDG No.: 4605____
SOW No.: ILM03.0

EPA Sample No.	Lab Sample ID
18548	4605-01
18548D	4605-01R
18548L	4605-01L
18548S	4605-01S
18551	4605-02
18555	4605-03
18557	4605-04
18560	4605-05
18561	4605-06
20311	4605-07
20312	4605-08
20313	4605-09
20314	4605-10
20315	4605-11
20316	4605-12
20317	4605-13
20318	4605-14
20319	4605-15
20320	4605-16
20321	4605-17

Were ICP interelement corrections applied ? Yes/No NO_
Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No 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 floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: John DeWald _____
Date: September 24, 1994 _____ Title: Inorganics Lab Manager _____

COVER PAGE - IN

Rev. ILM03.

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

[illegible]

Comments :

Rev. ILM03.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

18548

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-01

Level (low/med): LOW Date Received: 08/27/94

% Solids: 92.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6980	-		P
7440-36-0	Antimony	3.9	U	N	P
7440-38-2	Arsenic	1.4	B	N	P
7440-39-3	Barium	255	-		P
7440-41-7	Beryllium	0.56	B		P
7440-43-9	Cadmium	0.76	B	N	P
7440-70-2	Calcium	2530	-		P
7440-47-3	Chromium	6.9	-		P
7440-48-4	Cobalt	4.7	B		P
7440-50-8	Copper	53.1	-	N	P
7439-89-6	Iron	8840	-		P
7439-92-1	Lead	10.9	-	N	P
7439-95-4	Magnesium	1760	-		P
7439-96-5	Manganese	364	-	N	P
7439-97-6	Mercury	0.21	-		CV
7440-02-0	Nickel	7.2	B		P
7440-09-7	Potassium	1420	-		P
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.65	U		P
7440-23-5	Sodium	110	B		P
7440-28-0	Thallium	0.67	U	N	P
7440-62-2	Vanadium	20.1	-		P
7440-66-6	Zinc	31.2	-		P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-01 94.18548

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

18551

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-02

Level (low/med): LOW Date Received: 08/27/94

% Solids: 89.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	30700	-	-	P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	5.2	-	N	P
7440-39-3	Barium	650	-	-	P
7440-41-7	Beryllium	1.6	-	-	P
7440-43-9	Cadmium	1.0	B	N	P
7440-70-2	Calcium	10000	-	-	P
7440-47-3	Chromium	13.7	-	-	P
7440-48-4	Cobalt	11.1	B	-	P
7440-50-8	Copper	12.0	-	N	P
7439-89-6	Iron	19300	-	-	P
7439-92-1	Lead	18.1	-	N	P
7439-95-4	Magnesium	3680	-	-	P
7439-96-5	Manganese	588	-	N	P
7439-97-6	Mercury	0.14	-	-	CV
7440-02-0	Nickel	13.0	-	-	P
7440-09-7	Potassium	1890	-	-	P
7782-49-2	Selenium	0.58	U	N	P
7440-22-4	Silver	0.67	U	-	P
7440-23-5	Sodium	1340	-	-	P
7440-28-0	Thallium	0.69	U	N	P
7440-62-2	Vanadium	33.7	-	-	P
7440-66-6	Zinc	31.3	-	-	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-02 94.18551

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

18555

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-03

Level (low/med): LOW Date Received: 08/27/94

% Solids: 97.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3000	-		P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	1.8	B	N	P
7440-39-3	Barium	108	-		P
7440-41-7	Beryllium	35.5	-		P
7440-43-9	Cadmium	0.41	U	N	P
7440-70-2	Calcium	3150	-		P
7440-47-3	Chromium	20.2	-		P
7440-48-4	Cobalt	2.2	B		P
7440-50-8	Copper	550	-	N	P
7439-89-6	Iron	5260	-		P
7439-92-1	Lead	175	-	N	P
7439-95-4	Magnesium	902	B		P
7439-96-5	Manganese	102	-	N	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	15.9	-		P
7440-09-7	Potassium	454	B		P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.70	B		P
7440-23-5	Sodium	90.9	B		P
7440-28-0	Thallium	0.64	U	N	P
7440-62-2	Vanadium	7.8	B		P
7440-66-6	Zinc	60.1	-		P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-03 94.18555

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ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

18557

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-04

Level (low/med): LOW Date Received: 08/27/94

% Solids: 92.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18300	-		P
7440-36-0	Antimony	3.9	U	N	P
7440-38-2	Arsenic	4.1	-	N	P
7440-39-3	Barium	271	-		P
7440-41-7	Beryllium	2.5	-		P
7440-43-9	Cadmium	0.43	U	N	P
7440-70-2	Calcium	3150	-		P
7440-47-3	Chromium	10.0	-		P
7440-48-4	Cobalt	8.3	B		P
7440-50-8	Copper	147	-	N	P
7439-89-6	Iron	16100	-		P
7439-92-1	Lead	23.6	-	N	P
7439-95-4	Magnesium	2800	-		P
7439-96-5	Manganese	509	-	N	P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	11.7	-		P
7440-09-7	Potassium	2250	-		P
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.65	U		P
7440-23-5	Sodium	156	B		P
7440-28-0	Thallium	0.67	U	N	P
7440-62-2	Vanadium	25.6	-		P
7440-66-6	Zinc	52.1	-		P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-04 94.18557

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

18560

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605

Matrix (soil/water): SOIL

Lab Sample ID: 4605-05

Level (low/med): LOW

Date Received: 08/27/94

% Solids: 94.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18000			P
7440-36-0	Antimony	3.8	U	N	P
7440-38-2	Arsenic	3.3		N	P
7440-39-3	Barium	834			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	0.59	B	N	P
7440-70-2	Calcium	2540			P
7440-47-3	Chromium	8.1			P
7440-48-4	Cobalt	6.4	B		P
7440-50-8	Copper	7720		N	P
7439-89-6	Iron	12900			P
7439-92-1	Lead	58.2		N	P
7439-95-4	Magnesium	1860			P
7439-96-5	Manganese	397		N	P
7439-97-6	Mercury	1.4			CV
7440-02-0	Nickel	57.3			P
7440-09-7	Potassium	1710			P
7782-49-2	Selenium	0.55	U	N	P
7440-22-4	Silver	0.63	U		P
7440-23-5	Sodium	170	B		P
7440-28-0	Thallium	0.65	U	N	P
7440-62-2	Vanadium	18.8			P
7440-66-6	Zinc	309			P

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOWISH

Clarity After:

Artifacts:

Comments:

4605-05 94.18560

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ILM03.0

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

18561

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-06

Level (low/med): LOW Date Received: 08/27/94

% Solids: 83.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21400	-		P
7440-36-0	Antimony	4.3	U	N	P
7440-38-2	Arsenic	3.8	-	N	P
7440-39-3	Barium	159	-		P
7440-41-7	Beryllium	1.8	-		P
7440-43-9	Cadmium	1.0	B	N	P
7440-70-2	Calcium	3510	-		P
7440-47-3	Chromium	13.7	-		P
7440-48-4	Cobalt	5.8	B		P
7440-50-8	Copper	11.1	-	N	P
7439-89-6	Iron	13800	-		P
7439-92-1	Lead	8.1	-	N	P
7439-95-4	Magnesium	3890	-		P
7439-96-5	Manganese	358	-	N	P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	12.1	-		P
7440-09-7	Potassium	2370	-		P
7782-49-2	Selenium	0.63	U	N	P
7440-22-4	Silver	0.72	U		P
7440-23-5	Sodium	1240	-		P
7440-28-0	Thallium	0.75	U	N	P
7440-62-2	Vanadium	22.2	-		P
7440-66-6	Zinc	31.5	-		P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

Comments:

4605-06 94.18561

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20311

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-07

Level (low/med): LOW Date Received: 08/27/94

% Solids: 92.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17900	-		P
7440-36-0	Antimony	3.9	U	N	P
7440-38-2	Arsenic	4.3	-	N	P
7440-39-3	Barium	251	-		P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	0.79	B	N	P
7440-70-2	Calcium	2600	-		P
7440-47-3	Chromium	11.9	-		P
7440-48-4	Cobalt	7.7	B		P
7440-50-8	Copper	9.2	-	N	P
7439-89-6	Iron	17400	-		P
7439-92-1	Lead	12.6	-	N	P
7439-95-4	Magnesium	2760	-		P
7439-96-5	Manganese	429	-	N	P
7439-97-6	Mercury	0.28	-		CV
7440-02-0	Nickel	9.8	-		P
7440-09-7	Potassium	1690	-		P
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.65	U		P
7440-23-5	Sodium	194	B		P
7440-28-0	Thallium	0.67	U	N	P
7440-62-2	Vanadium	31.5	-		P
7440-66-6	Zinc	30.0	-		P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-07 94.20311

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20312

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-08

Level (low/med): LOW Date Received: 08/27/94

% Solids: 95.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14300			P
7440-36-0	Antimony	3.8	U	N	P
7440-38-2	Arsenic	3.1		N	P
7440-39-3	Barium	225			P
7440-41-7	Beryllium	0.98	B		P
7440-43-9	Cadmium	3.2		N	P
7440-70-2	Calcium	3190			P
7440-47-3	Chromium	9.0			P
7440-48-4	Cobalt	5.6	B		P
7440-50-8	Copper	43.9		N	P
7439-89-6	Iron	13300			P
7439-92-1	Lead	91.2		N	P
7439-95-4	Magnesium	2640			P
7439-96-5	Manganese	340		N	P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	8.9			P
7440-09-7	Potassium	2710			P
7782-49-2	Selenium	0.55	U	N	P
7440-22-4	Silver	0.63	U		P
7440-23-5	Sodium	125	B		P
7440-28-0	Thallium	0.65	U	N	P
7440-62-2	Vanadium	25.1			P
7440-66-6	Zinc	43.6			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-08 94.20312

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20313

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-09

Level (low/med): LOW Date Received: 08/27/94

% Solids: 97.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13000			P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	3.5		N	P
7440-39-3	Barium	168			P
7440-41-7	Beryllium	1.3			P
7440-43-9	Cadmium	1.0	B	N	P
7440-70-2	Calcium	1960			P
7440-47-3	Chromium	9.3			P
7440-48-4	Cobalt	7.8	B		P
7440-50-8	Copper	40.9		N	P
7439-89-6	Iron	13600			P
7439-92-1	Lead	20.4		N	P
7439-95-4	Magnesium	1980			P
7439-96-5	Manganese	534		N	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	8.6			P
7440-09-7	Potassium	2170			P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	4.1			P
7440-23-5	Sodium	87.4	B		P
7440-28-0	Thallium	0.64	U	N	P
7440-62-2	Vanadium	27.8			P
7440-66-6	Zinc	38.4			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-09 94.20313

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ILM03.0

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20314

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605

Matrix (soil/water): SOIL

Lab Sample ID: 4605-10

Level (low/med): LOW

Date Received: 08/27/94

% Solids: 98.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3630	-		P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	2.4	-	N	P
7440-39-3	Barium	55.7	-		P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	0.60	B	N	P
7440-70-2	Calcium	1520	-		P
7440-47-3	Chromium	2.5	-		P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	8.4	-	N	P
7439-89-6	Iron	5790	-		P
7439-92-1	Lead	9.4	-	N	P
7439-95-4	Magnesium	658	B		P
7439-96-5	Manganese	242	-	N	P
7439-97-6	Mercury	0.53	-		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	719	B		P
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.61	U		P
7440-23-5	Sodium	86.5	B		P
7440-28-0	Thallium	0.63	U	N	P
7440-62-2	Vanadium	6.5	B		P
7440-66-6	Zinc	28.2	-		P

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOWISH

Clarity After:

Artifacts:

Comments:

4605-10_94.20314

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20315

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-11

Level (low/med): LOW Date Received: 08/27/94

% Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20200			P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	3.5		N	P
7440-39-3	Barium	214			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	1.0	B	N	P
7440-70-2	Calcium	3430			P
7440-47-3	Chromium	9.7			P
7440-48-4	Cobalt	6.2	B		P
7440-50-8	Copper	8.6		N	P
7439-89-6	Iron	12600			P
7439-92-1	Lead	11.5		N	P
7439-95-4	Magnesium	2530			P
7439-96-5	Manganese	326		N	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	9.4			P
7440-09-7	Potassium	2520			P
7782-49-2	Selenium	0.57	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	146	B		P
7440-28-0	Thallium	0.68	U	N	P
7440-62-2	Vanadium	22.7			P
7440-66-6	Zinc	25.5			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

Comments:

4605-11 94.20315

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ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20316

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-12

Level (low/med): LOW Date Received: 08/27/94

% Solids: 98.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7080	-		P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	2.8	-	N	P
7440-39-3	Barium	102	-		P
7440-41-7	Beryllium	0.64	B		P
7440-43-9	Cadmium	0.68	B	N	P
7440-70-2	Calcium	1400	-		P
7440-47-3	Chromium	4.7	-		P
7440-48-4	Cobalt	3.5	B		P
7440-50-8	Copper	15.4	-	N	P
7439-89-6	Iron	8400	-		P
7439-92-1	Lead	15.7	-	N	P
7439-95-4	Magnesium	1120	-		P
7439-96-5	Manganese	303	-	N	P
7439-97-6	Mercury	0.10	-		CV
7440-02-0	Nickel	4.5	B		P
7440-09-7	Potassium	1270	-		P
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.61	U		P
7440-23-5	Sodium	96.1	B		P
7440-28-0	Thallium	0.63	U	N	P
7440-62-2	Vanadium	12.4	-		P
7440-66-6	Zinc	30.7	-		P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-12 94.20316

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ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20317

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-13

Level (low/med): LOW Date Received: 08/27/94

% Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6010	-		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	2.8	-	N	P
7440-39-3	Barium	52.8	-		P
7440-41-7	Beryllium	0.93	B		P
7440-43-9	Cadmium	0.44	U	N	P
7440-70-2	Calcium	1190	-		P
7440-47-3	Chromium	4.5	-		P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	14.6	-	N	P
7439-89-6	Iron	6980	-		P
7439-92-1	Lead	14.0	-	N	P
7439-95-4	Magnesium	955	B		P
7439-96-5	Manganese	189	-	N	P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	5.9	B		P
7440-09-7	Potassium	763	B		P
7782-49-2	Selenium	0.57	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	122	B		P
7440-28-0	Thallium	0.68	U	N	P
7440-62-2	Vanadium	8.8	B		P
7440-66-6	Zinc	28.8	-		P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

Comments:

4605-13 94.20317

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U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

20318

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-14

Level (low/med): LOW Date Received: 08/27/94

% Solids: 95.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4650			P
7440-36-0	Antimony	8.6	B	N	P
7440-38-2	Arsenic	6.6		N	P
7440-39-3	Barium	83.2			P
7440-41-7	Beryllium	17.1			P
7440-43-9	Cadmium	0.59	B	N	P
7440-70-2	Calcium	1860			P
7440-47-3	Chromium	9.8			P
7440-48-4	Cobalt	1.8	B		P
7440-50-8	Copper	4110		N	P
7439-89-6	Iron	5700			P
7439-92-1	Lead	1250		N	P
7439-95-4	Magnesium	863	B		P
7439-96-5	Manganese	140		N	P
7439-97-6	Mercury	0.12			CV
7440-02-0	Nickel	10			P
7440-09-7	Potassium	697	B		P
7782-49-2	Selenium	0.55	U	N	P
7440-22-4	Silver	0.77	B		P
7440-23-5	Sodium	89.2	B		P
7440-28-0	Thallium	0.65	U	N	P
7440-62-2	Vanadium	8.4	B		P
7440-66-6	Zinc	71.2			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-14 94.20318

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20319

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-15

Level (low/med): LOW Date Received: 08/27/94

% Solids: 92.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4850			P
7440-36-0	Antimony	3.9	U	N	P
7440-38-2	Arsenic	2.4		N	P
7440-39-3	Barium	111			P
7440-41-7	Beryllium	10.6			P
7440-43-9	Cadmium	0.43	U	N	P
7440-70-2	Calcium	1930			P
7440-47-3	Chromium	7.2			P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	1040		N	P
7439-89-6	Iron	5900			P
7439-92-1	Lead	77.9		N	P
7439-95-4	Magnesium	913	B		P
7439-96-5	Manganese	156		N	P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	8.4	B		P
7440-09-7	Potassium	759	B		P
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.65	U		P
7440-23-5	Sodium	98.4	B		P
7440-28-0	Thallium	0.67	U	N	P
7440-62-2	Vanadium	7.1	B		P
7440-66-6	Zinc	71.7			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

Comments:

4605-15_94.20319

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20320

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-16

Level (low/med): LOW Date Received: 08/27/94

% Solids: 93.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20400			P
7440-36-0	Antimony	3.9	U	N	P
7440-38-2	Arsenic	3.2		N	P
7440-39-3	Barium	261			P
7440-41-7	Beryllium	1.3			P
7440-43-9	Cadmium	1.0	B	N	P
7440-70-2	Calcium	2650			P
7440-47-3	Chromium	11.4			P
7440-48-4	Cobalt	8.1	B		P
7440-50-8	Copper	10.6		N	P
7439-89-6	Iron	15300			P
7439-92-1	Lead	13.6		N	P
7439-95-4	Magnesium	2740			P
7439-96-5	Manganese	520		N	P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	10.9			P
7440-09-7	Potassium	2840			P
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.64	U		P
7440-23-5	Sodium	129	B		P
7440-28-0	Thallium	0.66	U	N	P
7440-62-2	Vanadium	28.6			P
7440-66-6	Zinc	34.8			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-16 94.20320

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20321

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-17

Level (low/med): LOW Date Received: 08/27/94

% Solids: 94.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16900			P
7440-36-0	Antimony	3.8	U	N	P
7440-38-2	Arsenic	3.4		N	P
7440-39-3	Barium	229			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	0.96	B	N	P
7440-70-2	Calcium	2920			P
7440-47-3	Chromium	10.4			P
7440-48-4	Cobalt	6.4	B		P
7440-50-8	Copper	49.4		N	P
7439-89-6	Iron	13600			P
7439-92-1	Lead	48.5		N	P
7439-95-4	Magnesium	2460			P
7439-96-5	Manganese	371		N	P
7439-97-6	Mercury	0.27			CV
7440-02-0	Nickel	9.6			P
7440-09-7	Potassium	2500			P
7782-49-2	Selenium	0.55	U	N	P
7440-22-4	Silver	0.63	U		P
7440-23-5	Sodium	115	B		P
7440-28-0	Thallium	0.65	U	N	P
7440-62-2	Vanadium	26.7			P
7440-66-6	Zinc	35.3			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-17 94.20321

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20322

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-18

Level (low/med): LOW Date Received: 08/27/94

% Solids: 89.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22400	—	—	P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	4.6	—	N	P
7440-39-3	Barium	387	—	—	P
7440-41-7	Beryllium	1.5	—	—	P
7440-43-9	Cadmium	1.2	—	N	P
7440-70-2	Calcium	5820	—	—	P
7440-47-3	Chromium	13.3	—	—	P
7440-48-4	Cobalt	5.3	B	—	P
7440-50-8	Copper	11.5	—	N	P
7439-89-6	Iron	17000	—	—	P
7439-92-1	Lead	9.7	—	N	P
7439-95-4	Magnesium	4240	—	—	P
7439-96-5	Manganese	255	—	N	P
7439-97-6	Mercury	1.8	—	—	CV
7440-02-0	Nickel	12.0	—	—	P
7440-09-7	Potassium	3940	—	—	P
7782-49-2	Selenium	0.58	U	N	P
7440-22-4	Silver	0.67	U	—	P
7440-23-5	Sodium	1290	—	—	P
7440-28-0	Thallium	0.69	U	N	P
7440-62-2	Vanadium	26.0	—	—	P
7440-66-6	Zinc	40.7	—	—	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-18 94.20322

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20323

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-19

Level (low/med): LOW Date Received: 08/27/94

% Solids: 96.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15500			P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	3.6		N	P
7440-39-3	Barium	179			P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	1.1		N	P
7440-70-2	Calcium	1960			P
7440-47-3	Chromium	10.9			P
7440-48-4	Cobalt	8.6	B		P
7440-50-8	Copper	17.3		N	P
7439-89-6	Iron	14000			P
7439-92-1	Lead	15.4		N	P
7439-95-4	Magnesium	2280			P
7439-96-5	Manganese	541		N	P
7439-97-6	Mercury	0.65			CV
7440-02-0	Nickel	9.9			P
7440-09-7	Potassium	2580			P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.62	U		P
7440-23-5	Sodium	94.8	B		P
7440-28-0	Thallium	0.64	U	N	P
7440-62-2	Vanadium	28.4			P
7440-66-6	Zinc	33.6			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-19_94.20323

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20324

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix (soil/water): SOIL Lab Sample ID: 4605-20

Level (low/med): LOW Date Received: 08/27/94

% Solids: 97.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12400			P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	3.6		N	P
7440-39-3	Barium	120			P
7440-41-7	Beryllium	0.89	B		P
7440-43-9	Cadmium	0.87	B	N	P
7440-70-2	Calcium	2810			P
7440-47-3	Chromium	8.1			P
7440-48-4	Cobalt	4.7	B		P
7440-50-8	Copper	9.7		N	P
7439-89-6	Iron	11400			P
7439-92-1	Lead	23.3		N	P
7439-95-4	Magnesium	1890			P
7439-96-5	Manganese	347		N	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	7.0	B		P
7440-09-7	Potassium	2240			P
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.61	U		P
7440-23-5	Sodium	111	B		P
7440-28-0	Thallium	0.63	U	N	P
7440-62-2	Vanadium	18.0			P
7440-66-6	Zinc	32.5			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-20 94.20324

FORM I - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605

Initial Calibration Source: TRACE

Continuing Calibration Source: TRACE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	1000.0	1033.91	103.4	20000.0	20222.92	101.1	20773.28	103.9	P
Antimony	1000.0	1042.46	104.2	5000.0	5101.19	102.0	5170.42	103.4	P
Arsenic									NR
Barium	1000.0	975.63	97.6	20000.0	20337.44	101.7	21011.43	105.1	P
Beryllium	1000.0	1006.69	100.7	500.0	504.19	100.8	510.30	102.1	P
Cadmium	1000.0	1024.40	102.4	500.0	497.25	99.5	502.38	100.5	P
Calcium	10000.0	10251.78	102.5	50000.0	49829.46	99.7	50969.15	101.9	P
Chromium	1000.0	1000.35	100.0	1000.0	992.70	99.3	1006.62	100.7	P
Cobalt	1000.0	1017.61	101.8	5000.0	4968.30	99.4	5066.03	101.3	P
Copper	1000.0	997.40	99.7	2500.0	2529.72	101.2	2580.85	103.2	P
Iron	1000.0	1025.25	102.5	10000.0	9971.36	99.7	10183.18	101.8	P
Lead									NR
Magnesium	10000.0	10061.16	100.6	50000.0	50546.92	101.1	51534.21	103.1	P
Manganese	1000.0	1005.54	100.6	1500.0	1499.87	100.0	1523.93	101.6	P
Mercury	5.0	4.05	81.0	5.0	5.59	111.8	4.73	94.6	CV
Nickel	1000.0	989.43	98.9	4000.0	3943.46	98.6	4002.35	100.1	P
Potassium	10000.0	10167.39	101.7	50000.0	50531.13	101.1	53880.55	107.8	P
Selenium									NR
Silver	1000.0	1033.88	103.4	1000.0	1026.10	102.6	1043.29	104.3	P
Sodium	10000.0	10109.35	101.1	50000.0	50378.79	100.8	53842.14	107.7	P
Thallium									NR
Vanadium	1000.0	1002.15	100.2	5000.0	5024.76	100.5	5126.52	102.5	P
Zinc	1000.0	1003.27	100.3	2000.0	1996.85	99.8	2026.46	101.3	P

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605__

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				20000.0	20813.24	104.1	21226.13	106.1	P
Antimony				5000.0	5198.92	104.0	5305.84	106.1	P
Arsenic									NR
Barium				20000.0	21146.75	105.7	21571.04	107.9	P
Beryllium				500.0	513.98	102.8	525.46	105.1	P
Cadmium				500.0	506.31	101.3	522.53	104.5	P
Calcium				50000.0	51511.01	103.0	52450.47	104.9	P
Chromium				1000.0	1012.31	101.2	1043.00	104.3	P
Cobalt				5000.0	5110.51	102.2	5243.59	104.9	P
Copper				2500.0	2588.76	103.6	2644.05	105.8	P
Iron				10000.0	10260.71	102.6	10502.05	105.0	P
Lead									NR
Magnesium				50000.0	52018.35	104.0	52805.79	105.6	P
Manganese				1500.0	1540.53	102.7	1577.32	105.2	P
Mercury				5.0	4.23	84.6	4.14	82.8	CV
Nickel				4000.0	4041.60	101.0	4150.62	103.8	P
Potassium				50000.0	54598.60	109.2	55312.74	110.6	P
Selenium									NR
Silver				1000.0	1048.58	104.9	1066.22	106.6	P
Sodium				50000.0	54753.82	109.5	55133.68	110.3	P
Thallium									NR
Vanadium				5000.0	5167.66	103.4	5283.49	105.7	P
Zinc				2000.0	2036.44	101.8	2080.48	104.0	P

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605__

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				20000.0	21201.90	106.0	21007.81	105.0	P_
Antimony				5000.0	5272.67	105.5	5290.40	105.8	P_
Arsenic									NR
Barium				20000.0	21537.27	107.7	21312.48	106.6	P_
Beryllium				500.0	522.94	104.6	519.14	103.8	P_
Cadmium				500.0	513.33	102.7	515.59	103.1	P_
Calcium				50000.0	52520.13	105.0	52059.85	104.1	P_
Chromium				1000.0	1038.09	103.8	1036.56	103.7	P_
Cobalt				5000.0	5194.85	103.9	5159.93	103.2	P_
Copper				2500.0	2641.81	105.7	2628.73	105.1	P_
Iron				10000.0	10410.73	104.1	10312.92	103.1	P_
Lead									NR
Magnesium				50000.0	52861.94	105.7	52545.37	105.1	P_
Manganese				1500.0	1565.87	104.4	1558.00	103.9	P_
Mercury				5.0	4.87	97.4			CV
Nickel				4000.0	4113.02	102.8	4088.83	102.2	P_
Potassium				50000.0	54637.25	109.3	53994.40	108.0	P_
Selenium									NR
Silver				1000.0	1061.67	106.2	1064.72	106.5	P_
Sodium				50000.0	54785.92	109.6	54495.94	109.0	P_
Thallium									NR
Vanadium				5000.0	5248.43	105.0	5207.96	104.2	P_
Zinc				2000.0	2065.72	103.3	2058.19	102.9	P_

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605

Initial Calibration Source: TRACE

Continuing Calibration Source: TRACE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				20000.0	21663.66	108.3	21545.26	107.7	P
Antimony				5000.0	5332.50	106.7	5314.81	106.3	P
Arsenic									NR
Barium				20000.0	22274.20	111.4	22022.07	110.1	P
Beryllium				500.0	529.76	106.0	527.93	105.6	P
Cadmium				500.0	518.63	103.7	517.26	103.5	P
Calcium				50000.0	51720.69	103.4	52196.31	104.4	P
Chromium				1000.0	1050.23	105.0	1051.49	105.1	P
Cobalt				5000.0	5210.06	104.2	5216.20	104.3	P
Copper				2500.0	2737.38	109.5	2716.07	108.6	P
Iron				10000.0	10459.60	104.6	10431.84	104.3	P
Lead									NR
Magnesium				50000.0	52797.83	105.6	52949.93	105.9	P
Manganese				1500.0	1584.64	105.6	1580.24	105.3	P
Mercury									NR
Nickel				4000.0	4118.87	103.0	4132.77	103.3	P
Potassium				50000.0	55410.03	110.8	54347.26	108.7	P
Selenium									NR
Silver				1000.0	1081.92	108.2	1075.53	107.6	P
Sodium				50000.0	56553.62	113.1	55234.26	110.5	P
Thallium									NR
Vanadium				5000.0	5313.62	106.3	5301.54	106.0	P
Zinc				2000.0	2084.01	104.2	2080.95	104.0	P

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605

Initial Calibration Source: TRACE

Continuing Calibration Source: TRACE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic	1000.0	1058.56	105.9	1000.0	1013.58	101.4	1005.76	100.6	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead	1000.0	997.57	99.8	1000.0	1004.26	100.4	996.20	99.6	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium	1000.0	1075.81	107.6	1000.0	1010.36	101.0	1010.44	101.0	P
Silver									NR
Sodium									NR
Thallium	1000.0	989.26	98.9	1000.0	1015.95	101.6	1006.57	100.7	P
Vanadium									NR
Zinc									NR

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_____

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic				1000.0	1008.54	100.9	1026.33	102.6	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead				1000.0	996.05	99.6	1014.49	101.4	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium				1000.0	1009.60	101.0	1032.29	103.2	P
Silver									NR
Sodium									NR
Thallium				1000.0	996.69	99.7	1020.13	102.0	P
Vanadium									NR
Zinc									NR

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No. :

SDG No. : 4605

Initial Calibration Source: TRACE

Continuing Calibration Source: TRACE

Concentration Units: ug/L

[illegible]

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_____

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic				1000.0	1038.00	103.8	1045.77	104.6	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead				1000.0	1010.09	101.0	1013.38	101.3	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium				1000.0	1031.58	103.2	1034.89	103.5	P
Silver									NR
Sodium									NR
Thallium				1000.0	1033.78	103.4	1044.41	104.4	P
Vanadium									NR
Zinc									NR

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605__

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic				1000.0	1045.39	104.5			P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead				1000.0	1013.85	101.4			P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium				1000.0	1034.56	103.5			P
Silver									NR
Sodium									NR
Thallium				1000.0	1053.38	105.3			P
Vanadium									NR
Zinc									NR

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_____

AA CRDL Standard Source: PERKIN-ELMER

ICP CRDL Standard Source: TRACE_____

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				120.0	77.31	64.4	80.52	67.1
Arsenic								
Barium								
Beryllium				10.0	10.33	103.3	10.83	108.3
Cadmium				10.0	11.35	113.5	11.18	111.8
Calcium								
Chromium				20.0	22.94	114.7	25.82	129.1
Cobalt				100.0	107.08	107.1	109.95	110.0
Copper				50.0	50.62	101.2	55.69	111.4
Iron								
Lead								
Magnesium								
Manganese				30.0	28.66	95.5	29.00	96.7
Mercury	1.0	1.02	102.0					
Nickel				80.0	86.41	108.0	88.80	111.0
Potassium								
Selenium								
Silver				20.0	25.23	126.2	22.93	114.7
Sodium								
Thallium								
Vanadium				100.0	106.27	106.3	110.84	110.8
Zinc				40.0	41.87	104.7	42.64	106.6

FORM II (PART 2) - IN

ILM03.0

U.S. EPA - CLP

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605__

AA CRDL Standard Source: PERKIN-ELMER

ICP CRDL Standard Source: TRACE_____

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				20.0	21.55	107.8	22.71	113.6
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead				6.0	4.35	72.5	5.21	86.8
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium				10.0	10.01	100.1	8.16	81.6
Silver								
Sodium								
Thallium				20.0	17.95	89.8	16.38	81.9
Vanadium								
Zinc								

FORM II (PART 2) - IN

ILM03.0

U.S. EPA - CLP

3
BLANKS

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum	28.0	U	28.0	U	28.0	U	47.9	B	5.600	U	P
Antimony	-22.2	B	18.0	U	18.0	U	18.0	U	-4.956	B	P
Arsenic	2.0	U	2.0	U	2.1	B	2.0	U	0.400	U	P
Barium	6.0	U	6.0	U	6.0	U	7.1	B	1.200	U	P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Cadmium	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	P
Calcium	170.0	U	170.0	U	170.0	U	170.0	U	34.000	U	P
Chromium	5.0	U	5.0	U	5.0	U	5.0	U	1.000	U	P
Cobalt	6.0	U	6.0	U	6.0	U	6.0	U	1.200	U	P
Copper	9.0	U	9.0	U	9.0	U	9.0	U	1.800	U	P
Iron	7.0	U	7.0	U	7.0	U	53.1	B	2.402	B	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	0.300	U	P
Magnesium	105.0	U	105.0	U	105.0	U	105.0	U	21.000	U	P
Manganese	-2.8	B	2.0	U	2.0	U	2.0	U	0.400	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.100	U	CV
Nickel	7.0	U	7.0	U	7.0	U	7.0	U	1.400	U	P
Potassium	186.0	U	186.0	U	186.0	U	186.0	U	37.200	U	P
Selenium	2.6	U	2.6	U	2.6	U	2.6	U	0.520	U	P
Silver	3.0	U	4.2	B	3.2	B	3.0	U	0.600	U	P
Sodium	190.0	U	190.0	U	190.0	U	190.0	U	38.000	U	P
Thallium	3.4	B	3.1	U	3.1	U	3.1	U	0.620	U	P
Vanadium	8.0	U	8.0	U	8.0	U	8.0	U	1.600	U	P
Zinc	2.0	U	2.0	U	2.0	U	2.1	B	0.400	U	P

10/24/94 gdm

FORM III - IN

ILM03.0

3
BLANKS

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

61

3
BLANKS

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

62

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No:

SDG No.: 4605

ICP ID Number: TJA

ICS Source: TRACE

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	100000	500000	510287	500164.2	100.0	533449	531624.8	106.3
Antimony	1	1000	-62	933.2	93.3	-50	997.7	99.8
Arsenic								
Barium	1	500	22	475.0	95.0	22	510.4	102.1
Beryllium	1	500	0	470.3	94.1	0	492.0	98.4
Cadmium	1	1000	82	975.1	97.5	84	1009.7	101.0
Calcium	250000	500000	482850	473765.4	94.8	494671	497077.2	99.4
Chromium	1	500	3	452.3	90.5	5	472.1	94.4
Cobalt	1	500	-2	446.1	89.2	-3	466.3	93.3
Copper	1	500	23	504.3	100.9	22	538.4	107.7
Iron	100000	200000	180341	176633.1	88.3	185195	184873.2	92.4
Lead								
Magnesium	10000	500000	530996	521867.0	104.4	544842	545101.3	109.0
Manganese	1	500	17	468.0	93.6	18	490.5	98.1
Mercury								
Nickel	1	1000	6	874.2	87.4	6	912.5	91.3
Potassium	1		-332			-389		
Selenium								
Silver	1	1000	2	969.0	96.9	2	1015.1	101.5
Sodium	1		239			230		
Thallium								
Vanadium	1	500	14	468.1	93.6	14	493.4	98.7
Zinc	1	1000	31	985.6	98.6	30	1022.7	102.3

FORM IV - IN

7/88

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No: _____

SDG No.: 4605__

ICP ID Number: TRACE_____

ICS Source: TRACE_____

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum								
Antimony								
Arsenic	1	1000	1	999.1	99.9	3	1032.4	103.2
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	1	1000	0	962.3	96.2	0	974.1	97.4
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium	1	1000	-12	960.3	96.0	-10	991.4	99.1
Silver								
Sodium								
Thallium	1	1000	-3	971.6	97.2	-5	1010.0	101.0
Vanadium								
Zinc								

FORM IV - IN

7/88

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name: S_CUBED

Contract: 32507-3073

18548S

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix: SOIL Level (low/med): LOW

% Solids for Sample: 92.6

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

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony	75-125	9.3974	3.8877	21.60	43.5	N	P
Arsenic	75-125	10.2117	1.4212	8.64	101.7		P
Barium	75-125	740.1598	254.5659	431.97	112.4		P
Beryllium	75-125	11.5335	0.5616	10.80	101.6		P
Cadmium	75-125	0.9244	0.7559	10.80	1.6	N	P
Calcium							NR
Chromium	75-125	52.0929	6.8963	43.20	104.6		P
Cobalt	75-125	117.4989	4.6825	107.99	104.5		P
Copper	75-125	258.6069	53.0648	54.00	380.6	N	P
Iron							NR
Lead	75-125	15.1987	10.9179	4.32	99.1		P
Magnesium							NR
Manganese	75-125	507.0475	364.0778	107.99	132.4	N	P
Mercury							NR
Nickel	75-125	118.5205	7.2073	107.99	103.1		P
Potassium							NR
Selenium	75-125	1.4622	0.5616	2.16	67.7	N	P
Silver	75-125	8.9309	0.6479	10.80	82.7		P
Sodium							NR
Thallium	75-125	9.2678	0.6695	10.80	85.8		P
Vanadium	75-125	138.0151	20.1317	107.99	109.2		P
Zinc	75-125	146.7041	31.1836	107.99	107.0		P

Comments:

4605-01S 94.18548MS

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name: S_CUBED

Contract: 32507-3073

18548A

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

Matrix: SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Added (SA)	%R	Q	M
Aluminum		34166.41	32328.58	2000.0	91.9		P
Antimony		511.07	18.00	500.0	102.2		P
Arsenic		2098.60	6.58	2000.0	104.6		P
Barium		3213.68	1178.64	2000.0	101.8		P
Beryllium		51.81	2.60	50.0	98.4		P
Cadmium		54.19	3.50	50.0	101.4		P
Calcium							NR
Chromium		233.83	31.93	200.0	101.0		P
Cobalt		538.52	21.68	500.0	103.4		P
Copper		505.59	245.69	250.0	104.0		P
Iron		41323.84	40924.84	1000.0	39.9		P
Lead		566.90	50.55	500.0	103.3		P
Magnesium							NR
Manganese		2174.69	1685.68	500.0	97.8		P
Mercury							NR
Nickel		535.05	33.37	500.0	100.3		P
Potassium							NR
Selenium		2068.32	2.60	2000.0	103.4		P
Silver		40.94	3.00	50.0	81.9		P
Sodium							NR
Thallium		2070.83	3.10	2000.0	103.5		P
Vanadium		609.98	93.21	500.0	103.4		P
Zinc		656.83	144.38	500.0	102.5		P

Comments:

4605-01A 94.18548A

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

18548D

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 92.6

% Solids for Duplicate: 92.6

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		6982.4147		8187.4147		15.9		P
Antimony		3.8877	U	3.8877	U			P
Arsenic		1.4212	B	1.3672	B	3.9		P
Barium		254.5659		292.4665		13.9		P
Beryllium		0.5616	B	0.5529	B	1.6		P
Cadmium		0.7559	B	0.9633	B	24.1		P
Calcium	1079.9	2526.3715		2640.0022		4.4		P
Chromium	2.2	6.8963		6.4946		6.0		P
Cobalt		4.6825	B	4.4039	B	6.1		P
Copper		53.0648		53.2851		0.4		P
Iron		8839.0583		9418.8618		6.4		P
Lead		10.9179		10.0540		8.2		P
Magnesium	1079.9	1756.0238		1945.2311		10.2		P
Manganese		364.0778		386.7516		6.0		P
Mercury								NR
Nickel		7.2073	B	7.2916	B	1.2		P
Potassium	1079.9	1419.0065		1517.4363		6.7		P
Selenium		0.5616	U	0.5616	U			P
Silver		0.6479	U	0.6479	U			P
Sodium		109.8531	B	138.8186	B	23.3		P
Thallium		0.6695	U	0.6695	U			P
Vanadium	10.8	20.1317		21.6156		7.1		P
Zinc		31.1836		31.1685		0.0		P

FORM VI - IN

7/88

7
LABORATORY CONTROL SAMPLE

Aqueous LCS Source: _____

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U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_____

Solid LCS Source: ERA219_____

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L)			Solid (mg/kg)					%R
	True	Found	%R	True	Found	C	Limits		
Aluminum				3650.0	4648.6		1930.0	5580.0	127.4
Antimony				75.0	76.6		32.0	350.0	102.1
Arsenic				72.1	87.0		35.0	110.0	120.7
Barium				64.8	70.1		45.0	88.0	108.2
Beryllium				26.7	29.5		17.0	37.0	110.5
Cadmium				61.6	70.1		36.0	86.0	113.8
Calcium				2330.0	2680.0		1580.0	3170.0	115.0
Chromium				44.1	48.5		26.0	61.0	110.0
Cobalt				177.0	201.6		112.0	246.0	113.9
Copper				78.1	90.0		48.0	110.0	115.2
Iron				7360.0	7986.2		4930.0	11000.0	108.5
Lead				50.9	59.6		27.0	71.0	117.1
Magnesium				2550.0	2957.5		1610.0	3600.0	116.0
Manganese				141.0	155.0		97.0	190.0	109.9
Mercury									
Nickel				110.0	124.1		65.0	157.0	112.8
Potassium				3310.0	4025.6		2090.0	4400.0	121.6
Selenium				74.2	86.4		36.0	108.0	116.4
Silver				71.7	58.8		29.0	105.0	82.0
Sodium				346.0	389.4	B	180.0	506.0	112.5
Thallium				64.1	74.4		31.0	98.0	116.1
Vanadium				83.0	92.1		56.0	113.0	111.0
Zinc				78.2	91.2		45.0	119.0	116.6

FORM VII - IN

7/88

U.S. EPA - CLP

9

ICP SERIAL DILUTION

EPA SAMPLE NO.

18548 L

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution. Result (S)	C	% Differ- ence	Q	M
Aluminum	32328.58		31480.65		2.6		P
Antimony	18.00	U	90.00	U			P
Arsenic	6.58	B	14.10	B	114.3		P
Barium	1178.64		1151.70		2.3		P
Beryllium	2.60	B	5.00	U	100.0		P
Cadmium	3.50	B	12.35	B	252.9		P
Calcium	11697.10		11416.10	B	2.4		P
Chromium	31.93		42.85	B	34.2		P
Cobalt	21.68	B	30.00	U	100.0		P
Copper	245.69		234.80		4.4		P
Iron	40924.84		40217.15		1.7		P
Lead	50.55		57.35		13.5		P
Magnesium	8130.39		7937.30	B	2.4		P
Manganese	1685.68		1631.90		3.2		P
Mercury							
Nickel	33.37	B	47.65	B	42.8		P
Potassium	6570.00		6385.50	B	2.8		P
Selenium	2.60	U	13.00	U			P
Silver	3.00	U	15.00	U			P
Sodium	508.62	B	950.00	U	100.0		P
Thallium	3.10	U	15.50	U			P
Vanadium	93.21		108.35	B	16.2		P
Zinc	144.38		141.85		1.8		P

FORM IX - IN

ILM03.0

U.S. EPA - CLP

10

Instrument Detection Limits (Quarterly)

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.:

SDG No.: 4605

ICP ID Number:

Date: 07/29/94

Flame AA ID Number : IL

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury		BD	0.2	0.2	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

FORM X - IN

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U.S. EPA - CLP

10

Instrument Detection Limits (Quarterly)

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605__

ICP ID Number:

TJA_____

Date: 08/23/94

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.22		200	28.0	P
Antimony	206.83		60	18.0	P
Arsenic			10		NR
Barium	493.41		200	6.0	P
Beryllium	313.04		5	1.0	P
Cadmium	226.50		5	2.0	P
Calcium	317.93		5000	170.0	P
Chromium	267.72		10	5.0	P
Cobalt	228.62		50	6.0	P
Copper	324.75		25	9.0	P
Iron	259.94		100	7.0	P
Lead			3		NR
Magnesium	279.08		5000	105.0	P
Manganese	257.61		15	2.0	P
Mercury			0.2		NR
Nickel	213.60		40	7.0	P
Potassium	766.40		5000	186.0	P
Selenium			5		NR
Silver	328.07		10	3.0	P
Sodium	588.99		5000	190.0	P
Thallium			10		NR
Vanadium	310.23		50	8.0	P
Zinc	213.86		20	2.0	P

Comments:

FORM X - IN

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U.S. EPA - CLP

10

Instrument Detection Limits (Quarterly)

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.:

SDG No.: 4605

ICP ID Number: TRACE

Date: 09/08/94

Flame AA ID Number :

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic	189.04		10	2.0	P
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead	220.35		3	1.5	P
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium	196.03		5	2.6	P
Silver			10		NR
Sodium			5000		NR
Thallium	190.86		10	3.1	P
Vanadium			50		NR
Zinc			20		NR

Comments:

FORM X - IN

7/88

U.S. EPA - CLP

11A

ICP Interelement Correction Factors (Annually)

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605__

ICP ID Number: TJA_____

Date: 05/15/94

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		Al	Ca	Fe	Mg	BA_
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	0.0023000
Antimony	206.83	0.0000000	0.0000270	0.0001020	0.0000280	0.0007000
Arsenic	193.70	0.0051000	0.0000000	0.0010000	0.0000000	0.0005000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0008000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0008700	0.0000000	0.0002000	0.0000500	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	213.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0060000
Selenium	196.03	0.0000000	0.0004000	0.0040000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0000000	0.0000300	0.0003600	0.0000000	0.0000000
Vanadium	310.23	0.0000000	0.0000000	0.0002100	0.0000000	0.0000000
Zinc	213.86	0.0000000	0.0000000	0.0001000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

11B

ICP Interelement Correction Factors (Annually)

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605

ICP ID Number: TJA

Date: 05/15/94

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		CR_	CU_	MN_	NI_	V_
Aluminum	308.22	0.0000000	0.0001770	0.0000000	0.0003530	0.0191800
Antimony	206.83	0.0120000	0.0002023	0.0000000	0.0016440	0.0084000
Arsenic	193.70	0.0011900	0.0000000	0.0000000	0.0063000	0.0012500
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0025410
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0012600
Cobalt	228.62	0.0001970	0.0000000	0.0000000	0.0002570	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0002750	0.0000000	0.0001940	0.0000000	0.0010000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0004000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0089000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	213.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0020000
Potassium	766.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0002000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0006140	0.0000000	0.0006000	0.0000000	0.0040900
Vanadium	310.23	0.0038000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.86	0.0000000	0.0017780	0.0000000	0.0038800	0.0000000

Comments:

U.S. EPA - CLP

11A

ICP Interelement Correction Factors (Annually)

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605__

ICP ID Number: TRACE_____

Date: 09/08/94

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		Al	Ca	Fe	Mg	BA_
Aluminum	308.22	-0.0000000	-0.0001300	-0.0005550	-0.0008000	-0.0041100
Antimony	206.83	-0.0000000	-0.0000000	-0.0000440	-0.0001200	-0.0001000
Arsenic	189.04	-0.0000100	-0.0000000	-0.0000000	-0.0001900	-0.0003600
Barium	493.41	0.0000000	-0.0000300	-0.0000000	-0.0000000	-0.0000000
Beryllium	313.04	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0000000
Cadmium	226.50	-0.0000000	-0.0000000	-0.0001400	-0.0000000	-0.0000000
Calcium	317.93	-0.0001900	-0.0000000	-0.0001060	-0.0010100	-0.0088000
Chromium	267.72	-0.0000000	-0.0000000	-0.0000000	-0.0000300	-0.0000500
Cobalt	228.62	-0.0000000	-0.0000000	-0.0000400	-0.0000200	-0.0001400
Copper	324.75	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0003300
Iron	271.44	-0.0001030	-0.0001100	-0.0000000	-0.0074200	-0.0002600
Lead	220.35	-0.0002700	-0.0000200	-0.0001900	-0.0001000	-0.0000400
Magnesium	279.55	-0.0000000	-0.0000200	-0.0001520	-0.0000000	-0.0020800
Manganese	257.61	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0001200
Mercury	257.30	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0000000
Nickel	231.60	-0.0000000	-0.0000000	-0.0002490	-0.0000200	-0.0000800
Potassium	766.49	-0.0000700	-0.0000400	-0.0000000	-0.0003300	-0.0009100
Selenium	196.03	-0.0000000	-0.0000300	-0.0000450	-0.0001200	-0.0002500
Silver	328.07	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0000300
Sodium	589.00	-0.0000530	-0.0000500	-0.0000390	-0.0000600	-0.0008700
Thallium	190.86	-0.0000200	-0.0000000	-0.0000600	-0.0001400	-0.0002700
Vanadium	292.40	-0.0000000	-0.0000000	-0.0001500	-0.0000000	-0.0000000
Zinc	213.86	-0.0000000	-0.0000000	-0.0001660	-0.0000500	-0.0001000

Comments:

U.S. EPA - CLP

11B

ICP Interelement Correction Factors (Annually)

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_____

ICP ID Number: TRACE_____

Date: 09/08/94

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		CR_	MN_	NI_	V_	_____
Aluminum	308.22	-0.0007900	-0.0074200	-0.0070700	-0.0113100	
Antimony	206.83	-0.0005400	-0.0000400	-0.0015800	-0.0007200	
Arsenic	189.04	-0.0002300	-0.0000700	0.0000000	-0.0001600	
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	
Beryllium	313.04	-0.0000000	0.0000000	0.0000000	-0.0057000	
Cadmium	226.50	-0.0000000	0.0000000	0.0000000	0.0000000	
Calcium	317.93	-0.0001100	-0.0094000	-0.0065100	-0.0062100	
Chromium	267.72	-0.0000000	-0.0001000	-0.0000800	0.0000400	
Cobalt	228.62	-0.0001200	-0.0000700	0.0004000	-0.0000500	
Copper	324.75	-0.0000700	-0.0004400	-0.0005000	-0.0004700	
Iron	271.44	-0.0065100	-0.0020000	-0.0003200	-0.0162000	
Lead	220.35	-0.0031100	-0.0003600	-0.0004400	-0.0003300	
Magnesium	279.55	-0.0006000	-0.0020100	-0.0020500	-0.0024600	
Manganese	257.61	-0.0000000	-0.0000000	-0.0002400	-0.0002400	
Mercury	257.30	-0.0000000	-0.0000000	-0.0000000	-0.0000000	
Nickel	231.60	-0.0001500	-0.0001200	-0.0000000	-0.0000400	
Potassium	766.49	-0.0000000	-0.0127900	-0.0125100	-0.0012600	
Selenium	196.03	-0.0001500	-0.0007300	-0.0005800	-0.0001800	
Silver	328.07	-0.0001400	-0.0000800	-0.0000000	-0.0001900	
Sodium	589.00	-0.0000000	-0.0340000	-0.0000000	-0.0660000	
Thallium	190.86	-0.0000000	-0.0002700	-0.0001800	-0.0002500	
Vanadium	292.40	-0.0001500	-0.0000000	-0.0000000	-0.0000000	
Zinc	213.86	-0.0002100	-0.0001200	-0.0034000	-0.0001000	

Comments:

U.S. EPA - CLP

12

ICP Linear Ranges (Quarterly)

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605__

ICP ID Number: TJA_____

Date: 08/27/94

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	5.00	400000.0	
Antimony	5.00	100000.0	
Arsenic	5.00	10000.0	
Barium	5.00	40000.0	
Beryllium	5.00	5000.0	
Cadmium	5.00	1000.0	
Calcium	5.00	500000.0	
Chromium	5.00	10000.0	
Cobalt	5.00	10000.0	
Copper	5.00	25000.0	
Iron	5.00	200000.0	
Lead	5.00	5000.0	
Magnesium	5.00	1000000.0	
Manganese	5.00	15000.0	
Mercury			NR
Nickel	5.00	8000.0	
Potassium	5.00	1000000.0	
Selenium	5.00	10000.0	
Silver	5.00	1000.0	
Sodium	5.00	100000.0	
Thallium	5.00	10000.0	
Vanadium	5.00	50000.0	
Zinc	5.00	20000.0	

Comments:

U.S. EPA - CLP

12

ICP Linear Ranges (Quarterly)

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605__

ICP ID Number: TRACE_____

Date: 09/08/94

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	3.00	500000.0	
Antimony	3.00	40000.0	
Arsenic	3.00	20000.0	
Barium	3.00	30000.0	
Beryllium	3.00	40000.0	
Cadmium	3.00	20000.0	
Calcium	3.00	160000.0	
Chromium	3.00	40000.0	
Cobalt	3.00	40000.0	
Copper	3.00	40000.0	
Iron	3.00	100000.0	
Lead	3.00	40000.0	
Magnesium	3.00	10000.0	
Manganese	3.00	10000.0	
Mercury	3.00		
Nickel	3.00	40000.0	
Potassium	3.00	500000.0	
Selenium	3.00	40000.0	
Silver	3.00	5000.0	
Sodium	3.00	500000.0	
Thallium	3.00	40000.0	
Vanadium	3.00	40000.0	
Zinc	3.00	4000.0	

Comments:

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
18548	09/13/94	1.00	200
18548	09/13/94	1.00	200
18548D	09/13/94	1.00	200
18548D	09/13/94	1.00	200
18548S	09/13/94	1.00	200
18548S	09/13/94	1.00	200
18551	09/13/94	1.00	200
18551	09/13/94	1.00	200
18555	09/13/94	1.00	200
18555	09/13/94	1.00	200
18557	09/13/94	1.00	200
18557	09/13/94	1.00	200
18560	09/13/94	1.00	200
18560	09/13/94	1.00	200
18561	09/13/94	1.00	200
18561	09/13/94	1.00	200
20311	09/13/94	1.00	200
20311	09/13/94	1.00	200
20312	09/13/94	1.00	200
20312	09/13/94	1.00	200
20313	09/13/94	1.00	200
20313	09/13/94	1.00	200
20314	09/13/94	1.00	200
20314	09/13/94	1.00	200
20315	09/13/94	1.00	200
20315	09/13/94	1.00	200
20316	09/13/94	1.00	200
20316	09/13/94	1.00	200
20317	09/13/94	1.00	200
20317	09/13/94	1.00	200
20318	09/13/94	1.00	200
20318	09/13/94	1.00	200

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13
PREPARATION LOG

Method: P

[illegible]

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13
PREPARATION LOG

Method: CV

[illegible]

FORM XIII - IN

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U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.: 4605

Instrument ID Number: TJA

Method: P

Start Date: 09/16/94

End Date: 09/17/94

EPA Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	
STD1-BLA	1.00	1748		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
STD2	1.00	1755		X	X	-	-	-	-	X	X	-	-	-	X	-	-	-	X	X	-	X	X	-	-	-	
STD3	1.00	1803		X	-	-	X	X	X	X	X	X	X	-	-	X	-	X	-	-	-	-	-	X	X	-	
ICV	1.00	1810		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
ICB	1.00	1817		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
CRI1	1.00	1824		X	X	-	-	X	X	X	X	X	X	-	-	X	-	X	-	-	-	-	-	X	X	-	
ICSA1	1.00	1831		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
ICSAB1	1.00	1838		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
ZZZZZZ		1845		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1853		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1900		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1907		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1914		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1921		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1928		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCV1	1.00	1936		X	-	-	X	X	X	-	X	X	X	-	-	X	-	X	-	-	-	-	-	X	X	-	
CCVAG1	1.00	1943		X	X	-	-	-	-	X	-	X	X	-	X	-	-	X	-	X	-	X	-	-	-	-	
CCB1	1.00	1950		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
ZZZZZZ		1957		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2004		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2012		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2019		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PBS0913A	1.00	2033		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
LCSS0913	1.00	2040		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
18548L	1.00	2047		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
18548	1.00	2054		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
18548R	1.00	2101		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
CCV2	1.00	2109		X	-	-	X	X	X	-	X	X	X	-	-	X	-	X	-	-	-	-	-	X	X	-	
CCVAG2	1.00	2116		-	X	-	-	-	-	X	-	X	X	-	X	-	-	X	-	X	-	X	-	-	-	-	
CCB2	1.00	2123		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
18548S	1.00	2130		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	

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ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.: 4605

Instrument ID Number: TJA

Method: P

Start Date: 09/16/94

End Date: 09/17/94

EPA Sample No.	D/F	Time	% R	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N			
18548A	1.00	2137		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
18551	1.00	2144		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
18555	1.00	2152		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
18557	1.00	2159		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
18560	1.00	2206		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
18561	1.00	2213		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
20311	1.00	2220		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
20312	1.00	2227		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
20313	1.00	2234		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCV3	1.00	2242		X		-	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCVAG3	1.00	2249			X	-				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCB3	1.00	2256		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
20314	1.00	2303		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
20315	1.00	2310		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
20316	1.00	2317		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
20317	1.00	2324		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
20318	1.00	2332		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
20319	1.00	2339		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
20320	1.00	2346		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
20321	1.00	2353		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
20322	1.00	0000		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCV4	1.00	0007		X		-	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCVAG4	1.00	0014			X	-				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCB4	1.00	0021		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ICSA2	1.00	0029		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ICSAB2	1.00	0036		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CRI2	1.00	0043		X	X	-	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCV5	1.00	0050		X		-	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCVAG5	1.00	0057			X	-				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCB5	1.00	0104		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ		0111		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ		0119		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

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ANALYSIS RUN LOG

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____ Case No.: 18681_____

SAS No.: _____ SDG No.: 4605_____

Instrument ID Number: TJA_____

Method: P_____

Start Date: 09/16/94

End Date: 09/17/94

EPA Sample No.	D/P	Time	% R	Analytes																	
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S G
20323	1.00	0126		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
20324	1.00	0133		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
ZZZZZZ		0140		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0147		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0154		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0201		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0209		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0216		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV6	1.00	0223		X	-	-	X	X	X	-	X	X	X	X	-	-	X	-	X	-	-
CCVAG6	1.00	0230		-	X	-	-	-	X	-	X	X	X	X	-	X	X	-	X	-	-
CCB6	1.00	0237		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	-	-
ZZZZZZ		0244		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0251		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0258		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0306		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0313		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0320		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0327		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0334		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0341		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0349		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV7	1.00	0356		X	-	-	X	X	X	-	X	X	X	X	-	-	X	-	X	-	-
CCVAG7	1.00	0403		-	X	-	-	-	X	-	X	X	X	X	-	X	X	-	X	-	-
CCB7	1.00	0410		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	-	-
ZZZZZZ		0417		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0424		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0431		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0439		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0446		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0453		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0500		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV F	1.00	0507		X	-	-	X	X	X	-	X	X	X	X	-	-	X	-	X	-	-

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ANALYSIS RUN LOG

End Date: 09/17/94

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ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.:4605

Instrument ID Number: TRACE

Method: P

Start Date: 09/21/94

End Date: 09/22/94

EPA Sample No.	D/F	Time	% R	Analytes																					
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V
STD1-BLA	1.00	1400		-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
STD3	1.00	1406		-	-	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	-	-
ICV	1.00	1413		-	-	X	X	-	-	-	-	-	-	X	-	-	-	-	-	X	-	X	X	-	-
ICB	1.00	1419		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
CRI1	1.00	1426		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
ICSA1	1.00	1432		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
ICSAB1	1.00	1439		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
PBS0913A	1.00	1445		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
LCSS0913	1.00	1451		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
18548L	1.00	1458		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
18548	1.00	1504		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
18548R	1.00	1511		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
18548S	1.00	1517		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
18548A	1.00	1523		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
CCV1	1.00	1530		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
CCB1	1.00	1536		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
18551	1.00	1543		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
18555	1.00	1549		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
18557	1.00	1555		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
18560	1.00	1602		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
18561	1.00	1608		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
20311	1.00	1615		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
20312	1.00	1621		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
20313	1.00	1627		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
20314	1.00	1634		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
CCV2	1.00	1640		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
CCB2	1.00	1647		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
20315	1.00	1653		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
20316	1.00	1659		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
20317	1.00	1706		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
20318	1.00	1712		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-
20319	1.00	1718		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	X	X	-	-

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ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.: 4605

Instrument ID Number: TRACE

Method: P

Start Date: 09/21/94

End Date: 09/22/94

EPA Sample No.	D/F	Time	% R	Analytes															
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I
20320	1.00	1725				X									X				
20321	1.00	1731				X									X				
20322	1.00	1738				X									X				
CCV3	1.00	1744				X									X				
CCB3	1.00	1750				X									X				
ZZZZZZ		1757																	
ZZZZZZ		1803																	
20323	1.00	1810				X									X				
20324	1.00	1816				X									X				
ZZZZZZ		1823																	
ZZZZZZ		1829																	
ZZZZZZ		1835																	
ZZZZZZ		1842																	
CCV4	1.00	1848				X									X				
CCB4	1.00	1855				X									X				
ZZZZZZ		1901																	
ZZZZZZ		1907																	
ZZZZZZ		1914																	
ZZZZZZ		1920																	
ZZZZZZ		1927																	
ZZZZZZ		1933																	
ZZZZZZ		1939																	
ZZZZZZ		1946																	
ZZZZZZ		1952																	
CCV5	1.00	1959				X									X				
CCB5	1.00	2005				X									X				
ZZZZZZ		2011																	
ZZZZZZ		2018																	
ZZZZZZ		2024																	
ZZZZZZ		2031																	
ZZZZZZ		2037																	
ZZZZZZ		2043																	

FORM XIV - IN

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ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.: 4605

Instrument ID Number: TRACE

Method: P

Start Date: 09/21/94

End Date: 09/22/94

EPA Sample No.	D/F	Time	% R	Analytes																					
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V
ZZZZZZ		2050		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2056		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV6	1.00	2103		-	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-	-
CCB6	1.00	2109		-	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-	-
ZZZZZZ		2115		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2122		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2128		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2135		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2141		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2148		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2154		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2200		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV7	1.00	2207		-	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-	-
CCB7	1.00	2213		-	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-	-
ZZZZZZ		2220		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2226		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2232		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2239		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2245		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2252		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2258		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2305		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV8	1.00	2311		-	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-	-
CCB8	1.00	2317		-	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-	-
ZZZZZZ		2324		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2330		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2337		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CRI2	1.00	2343		-	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-	-
ICSA2	1.00	2349		-	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-	-
ICSAB2	1.00	2356		-	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-	-
CCV2 F	1.00	0002		-	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-	-
CCB2 F	1.00	0009		-	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-	-

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ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.:4605

Instrument ID Number: IL

Method: CV

Start Date: 09/15/94

End Date: 09/15/94

EPA Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	
S0	1.00	0800		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
S0.5	1.00	0801		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
S1	1.00	0802		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
S5	1.00	0803		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
S10	1.00	0804		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
ICV	1.00	0810		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
ICB	1.00	0811		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CRA	1.00	0812		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
PBS0915A	1.00	0813		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0814		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
LCSS0915	1.00	0815		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0816		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
18548	1.00	0817		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
18551	1.00	0818		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
18555	1.00	0819		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
18557	1.00	0820		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
18560	1.00	0821		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCV1	1.00	0822		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCB1	1.00	0823		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
18561	1.00	0824		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20311	1.00	0825		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20312	1.00	0826		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20313	1.00	0827		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20314	1.00	0828		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20315	1.00	0829		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20316	1.00	0830		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20317	1.00	0831		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20318	1.00	0832		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20319	1.00	0833		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCV2	1.00	0834		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCB2	1.00	0835		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20320	1.00	0836		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	

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ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.:4605

Instrument ID Number: IL

Method: CV

Start Date: 09/15/94

End Date: 09/15/94

EPA Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	
20321	1.00	0837		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20322	1.00	0838		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20323	1.00	0839		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20324	1.00	0840		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0841		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0842		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0843		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0844		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0845		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCV3	1.00	0846		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCB3	1.00	0847		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0848		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0849		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0850		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0851		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0852		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0853		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0854		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0855		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0856		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0857		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCV4	1.00	0858		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCB4	1.00	0859		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0900		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0901		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCV F	1.00	0902		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCB F	1.00	0903		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



ICP Run Log

SDG No. _____

Lot No. _____

9612, 4605, 4647

Instrument I.D.: T

Date: 9-16-94

Analyst: RM

Method: CLPMo

File/Archive I.D.: 7091640

All Run QC Good?: Yes No

Accept All Data?: Yes No

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run(1)	Analyst Rev. Fail Code(2)	Tech. Review	Comments
1	Y	4612-010	5	05			Use for Fe only
2		-040	10				Use for Ca only
3		-050	5				Use for Fe only
4		P850912A		1			-Ar
5		LC550912A					
6		4647-01L					
7		-01		CU			
8		-01R					
9		-01S					Re 10270L; Re 10120L
10		-01A					Re 9520L; Re 10120L
11		-02					
12		-03					
13		P850913A		1			-Ar
14		LC550913A					
15		4605-01L					
16		-01					
17		-01R		CU			
18		-01S					Re 10270L; Re 10120L
19		-01A					Re 9520L; Re 10270L
20	Y	-02					

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV	8-125	CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
 OS (Opening Statement): CRI, ICSA, ICSAB
 CV (Continuing Verification): CCV, CCVAg, CCB
 CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
 1-ICV/CCV 4-Prep. Blank
 2-ICSAB 5-LCS
 3-ICB/CCB 6-MS

7-Rep. 10-Dil/Rerun
 8-An. Spk. 11-Other
 9-Srl. Dil. 12-Other

Review: 77

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ICP Run Log

SDG No. _____

Lot No. 4612, 4605

Instrument I.D.: T Date: 9-16-94 Analyst: Rm

Method: CLPM

File/Archive I.D.: T091648

All Run QC Good?: Yes No

Accept All Data?: Yes No

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4605-03					
2		4605-04					
3		4605-05					
4		4605-06					
5		4605-07					
6		4605-08					
7		4605-09		CU			
8		4605-10					
9		4605-11					
10		4605-12					
11		4605-13					
12		4605-14					
13		4605-15					
14		4605-16					
15		4605-17					
16		4605-18					
17		4605-19		CU			
18		PBS 0913B					
19		LCSS0913B					
20	✓	4605-19					

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV	9-129	CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
 OS (Opening Statement): CRI, ICSA, ICSAB
 CV (Continuing Verification): CCV, CCVAg, CCB
 CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
 1-ICV/CCV 4-Prep. Blank 7-Rep. 10-Dil/Rerun
 2-ICSAB 5-LCS 8-An. Spk. 11-Other
 3-ICB/CCB 6-MS 9-Sri. Dil. 12-Other

Review: _____

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ICP Run Log

SDG No. _____

Lot No. _____

4612, 4605

Instrument I.D.: T Date: 7-16-94 Analyst: Rm

Method: CLPM File/Archive I.D.: T09164B

All Run QC Good?: Yes No Accept All Data?: Yes No

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4605-20					
2		4605-21L					
3		4605-21					
4		4605-21R					
5		4605-21S					Re 1022h; Re 977h
6		4605-21A					Re 977h; Re 1022h
7		4605-22		CV			Re 1022h; Re 977h
8		4605-23					Re 1022h; Re 977h
9		4605-24					Re 1022h; Re 977h
10		4605-25					Re 1022h; Re 977h
11		4605-26					Re 1022h; Re 977h
12		4605-27					Re 1022h; Re 977h
13		4605-28					Re 1022h; Re 977h
14		4605-29					Re 1022h; Re 977h
15		4605-30					Re 1022h; Re 977h
16		4605-31					Re 1022h; Re 977h
17		4605-32		CV			Re 1022h; Re 977h
18		4605-33					Re 1022h; Re 977h
19		4605-34					Re 1022h; Re 977h
20	Y	4605-35					Re 1022h; Re 977h

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV	8-129	CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
 OS (Opening Statement): CRI, ICSA, ICSAB
 CV (Continuing Verification): CCV, CCVAg, CCB
 CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
 1-ICV/CCV 4-Prep. Blank 7-Rep. 10-Dil/Re-run
 2-ICSAB 5-LCS 8-An. Spk. 11-Other
 3-ICB/CCB 6-MS 9-Srl. Dil. 12-Other

Review: _____

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ICP Run Log

SDG No. _____

Lot No. _____

4612, 4605

Instrument I.D.: T Date: 9-16-94 Analyst: RLMMethod: CLP Mo File/Archive I.D.: TD91648All Run QC Good?: Yes (No)Accept All Data?: Yes (No)

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4605-36		CS	1		- Ag, Ba, K, Na (1) Ag, Ba, Na
2							4605-36 Also run 5K U.I. for Pb.
3							Do not use Pb
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV	9-129	CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
OS (Opening Statement): CRI, ICSA, ICSAB
CV (Continuing Verification): CCV, CCVAg, CCB
CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
1-ICV/CCV 4-Prep. Blank 7-Rep. 10-Dil/Rerun
2-ICSAB 5-LCS 8-An. Spk. 11-Other
3-ICB/CCB 6-MS 9-Srl. Dil. 12-Other

Review: _____

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD1-Blank	T09164B	CLPMO	09/16/94	17:48		X	IR
2	STD2	T09164B	CLPMO	09/16/94	17:55		X	IR
3	STD3	T09164B	CLPMO	09/16/94	18:03		X	IR
4	ICV	T09164B	CLPMO	09/16/94	18:10		Q	CONC
5	ICB	T09164B	CLPMO	09/16/94	18:17		Q	CONC
6	CRI	T09164B	CLPMO	09/16/94	18:24		Q	CONC
7	ICSA	T09164B	CLPMO	09/16/94	18:31		Q	CONC
8	ICSAB	T09164B	CLPMO	09/16/94	18:38		Q	CONC
9	4612-01D	T09164B	CLPMO	09/16/94	18:45	RM	S	CONC
10	4612-04D	T09164B	CLPMO	09/16/94	18:53	RM	S	CONC
11	4612-05D	T09164B	CLPMO	09/16/94	19:00	RM	S	CONC
12	PBS0912A	T09164B	CLPMO	09/16/94	19:07	RM	S	CONC
13	LCSS0912A	T09164B	CLPMO	09/16/94	19:14	RM	S	CONC
14	4647-01L	T09164B	CLPMO	09/16/94	19:21	RM	S	CONC
15	4647-01	T09164B	CLPMO	09/16/94	19:28	RM	S	CONC
16	CCV	T09164B	CLPMO	09/16/94	19:36	RM	Q	CONC
17	CCVAG	T09164B	CLPMO	09/16/94	19:43	RM	Q	CONC
18	CCB	T09164B	CLPMO	09/16/94	19:50	RM	Q	CONC
19	4647-01R	T09164B	CLPMO	09/16/94	19:57	RM	S	CONC
20	4647-01S	T09164B	CLPMO	09/16/94	20:04	RM	S	CONC
21	4647-01A	T09164B	CLPMO	09/16/94	20:12	RM	S	CONC
22	4647-02	T09164B	CLPMO	09/16/94	20:19	RM	S	CONC
23	4647-03	T09164B	CLPMO	09/16/94	20:26	RM	S	CONC
24	PBS0913A	T09164B	CLPMO	09/16/94	20:33	RM	S	CONC
25	LCSS0913A	T09164B	CLPMO	09/16/94	20:40	RM	S	CONC
26	4605-01L	T09164B	CLPMO	09/16/94	20:47	RM	S	CONC
27	4605-01	T09164B	CLPMO	09/16/94	20:54	RM	S	CONC
28	4605-01R	T09164B	CLPMO	09/16/94	21:01	RM	S	CONC
29	CCV	T09164B	CLPMO	09/16/94	21:09	RM	Q	CONC
30	CCVAG	T09164B	CLPMO	09/16/94	21:16	RM	Q	CONC
31	CCB	T09164B	CLPMO	09/16/94	21:23	RM	Q	CONC
32	4605-01S	T09164B	CLPMO	09/16/94	21:30	RM	S	CONC
33	4605-01A	T09164B	CLPMO	09/16/94	21:37	RM	S	CONC
34	4605-02	T09164B	CLPMO	09/16/94	21:44	RM	S	CONC
35	4605-03	T09164B	CLPMO	09/16/94	21:52	RM	S	CONC
36	4605-04	T09164B	CLPMO	09/16/94	21:59	RM	S	CONC
37	4605-05	T09164B	CLPMO	09/16/94	22:06	RM	S	CONC
38	4605-06	T09164B	CLPMO	09/16/94	22:13	RM	S	CONC
39	4605-07	T09164B	CLPMO	09/16/94	22:20	RM	S	CONC
40	4605-08	T09164B	CLPMO	09/16/94	22:27	RM	S	CONC
41	4605-09	T09164B	CLPMO	09/16/94	22:34	RM	S	CONC
42	CCV	T09164B	CLPMO	09/16/94	22:42	RM	Q	CONC
43	CCVAG	T09164B	CLPMO	09/16/94	22:49	RM	Q	CONC
44	CCB	T09164B	CLPMO	09/16/94	22:56	RM	Q	CONC
45	4605-10	T09164B	CLPMO	09/16/94	23:03	RM	S	CONC
46	4605-11	T09164B	CLPMO	09/16/94	23:10	RM	S	CONC
47	4605-12	T09164B	CLPMO	09/16/94	23:17	RM	S	CONC
48	4605-13	T09164B	CLPMO	09/16/94	23:24	RM	S	CONC
49	4605-14	T09164B	CLPMO	09/16/94	23:32	RM	S	CONC
50	4605-15	T09164B	CLPMO	09/16/94	23:39	RM	S	CONC
51	4605-16	T09164B	CLPMO	09/16/94	23:46	RM	S	CONC
52	4605-17	T09164B	CLPMO	09/16/94	23:53	RM	S	CONC
53	4605-18	T09164B	CLPMO	09/17/94	00:00	RM	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCV	T09164B	CLPMO	09/17/94	00:07	RM	Q	CONC
55	CCVAG	T09164B	CLPMO	09/17/94	00:14	RM	Q	CONC
56	CCB	T09164B	CLPMO	09/17/94	00:21	RM	Q	CONC
57	ICSA	T09164B	CLPMO	09/17/94	00:29	RM	Q	CONC
58	ICSAB	T09164B	CLPMO	09/17/94	00:36	RM	Q	CONC
59	CRI	T09164B	CLPMO	09/17/94	00:43	RM	Q	CONC
60	CCV	T09164B	CLPMO	09/17/94	00:50	RM	Q	CONC
61	CCVAG	T09164B	CLPMO	09/17/94	00:57	RM	Q	CONC
62	CCB	T09164B	CLPMO	09/17/94	01:04	RM	Q	CONC
63	PBS0913B	T09164B	CLPMO	09/17/94	01:11	RM	S	CONC
64	LCSS0913B	T09164B	CLPMO	09/17/94	01:19	RM	S	CONC
65	4605-19	T09164B	CLPMO	09/17/94	01:26	RM	S	CONC
66	4605-20	T09164B	CLPMO	09/17/94	01:33	RM	S	CONC
67	4605-21L	T09164B	CLPMO	09/17/94	01:40	RM	S	CONC
68	4605-21	T09164B	CLPMO	09/17/94	01:47	RM	S	CONC
69	4605-21R	T09164B	CLPMO	09/17/94	01:54	RM	S	CONC
70	4605-21S	T09164B	CLPMO	09/17/94	02:01	RM	S	CONC
71	4605-21A	T09164B	CLPMO	09/17/94	02:09	RM	S	CONC
72	4605-22	T09164B	CLPMO	09/17/94	02:16	RM	S	CONC
73	CCV	T09164B	CLPMO	09/17/94	02:23	RM	Q	CONC
74	CCVAG	T09164B	CLPMO	09/17/94	02:30	RM	Q	CONC
75	CCB	T09164B	CLPMO	09/17/94	02:37	RM	Q	CONC
76	4605-23	T09164B	CLPMO	09/17/94	02:44	RM	S	CONC
77	4605-24	T09164B	CLPMO	09/17/94	02:51	RM	S	CONC
78	4605-25	T09164B	CLPMO	09/17/94	02:58		S	CONC
79	4605-26	T09164B	CLPMO	09/17/94	03:06		S	CONC
80	4605-27	T09164B	CLPMO	09/17/94	03:13		S	CONC
81	4605-28	T09164B	CLPMO	09/17/94	03:20		S	CONC
82	4605-29	T09164B	CLPMO	09/17/94	03:27		S	CONC
83	4605-30	T09164B	CLPMO	09/17/94	03:34		S	CONC
84	4605-31	T09164B	CLPMO	09/17/94	03:41		S	CONC
85	4605-32	T09164B	CLPMO	09/17/94	03:49		S	CONC
86	CCV	T09164B	CLPMO	09/17/94	03:56		Q	CONC
87	CCVAG	T09164B	CLPMO	09/17/94	04:03		Q	CONC
88	CCB	T09164B	CLPMO	09/17/94	04:10		Q	CONC
89	4605-33	T09164B	CLPMO	09/17/94	04:17		S	CONC
90	4605-34	T09164B	CLPMO	09/17/94	04:24		S	CONC
91	4605-35	T09164B	CLPMO	09/17/94	04:31		S	CONC
92	4605-36	T09164B	CLPMO	09/17/94	04:39		S	CONC
93	ICSA	T09164B	CLPMO	09/17/94	04:46		Q	CONC
94	ICSAB	T09164B	CLPMO	09/17/94	04:53		Q	CONC
95	CRI	T09164B	CLPMO	09/17/94	05:00		Q	CONC
96	CCV	T09164B	CLPMO	09/17/94	05:07		Q	CONC
97	CCVAG	T09164B	CLPMO	09/17/94	05:14		Q	CONC
98	CCB	T09164B	CLPMO	09/17/94	05:22		Q	CONC

#	Element	STD'lank	STD2	STD3	ICV	ICB	CRI
1	Ag3280	-.12604	1.54272		1.034	.0011	Q.0252
2	Al3082	.01673		3.01433	1.034	.0059	.0219
3	As1936	-.04046		1.59533	.9842	.0051	Q.0293
4	Ba4934	-.00046		26.9277	.9756	.0004	Q.0005
5	Be3130	.0052		1.45926	1.007	.0003	.0103
6	Ca3179	.00246	24.3569		10.25	-.0001	.0119
7	Cd2265	-.00026		.87373	1.024	.0003	.0114
8	Co2286	.00106		6.73113	1.018	-.0001	.1071
9	Cr2677	.00646		2.21259	1.000	.0019	.0229
10	Cu3247	.00773		1.65066	.9974	-.0018	.0506
11	Fe2599	.00006		2.66586	1.025	.0015	.0059
12	K_7664	.012	1.87253		10.17	-.0233	.0340
13	Mg2790	.003	7.54213		10.06	-.0221	.0064
14	Mn2576	.0068		1.48253	1.006	Q-.0028	.0287
15	Mo2020	-.00013		.46986	1.005	.0003	.0184
16	Na5889	.1896	9.53506		10.11	-.0353	-.0011
17	Ni2316	.01298		4.51527	.9894	.0016	.0864
18	Pb2203	.01273		.33619	1.074	-.0071	.1148
19	Sb2068	.01686	5.6996		1.042	-.0222	Q.0773
20	Se1960	-.03173		5.38566	1.009	-.0018	Q.0344
21	Tl1908	-.00086		.72166	1.010	-.0161	Q.0010
22	V_2924	-.00086		9.2016	1.002	.0001	.1063
23	Zn2138	.09013		2.91013	1.003	-.0009	.0419

#	Element	ICSA	ICSAB	4612-01D	4612-04D	4612-05D	PBS0912A
1	Ag3280	.0024	.9690	-.0073	.0043	-.0019	.0017
2	Al3082	510.3	500.2	29.45	1.835	15.91	.0175
3	As1936	.0720	.9773	.0694	.0097	.0644	L-.0107
4	Ba4934	.0217	.4750	.0321	.0776	.4905	-.0000
5	Be3130	.0001	.4703	.0006	.0001	.0003	.0000
6	Ca3179	482.9	473.8	41.82	119.5	17.21	.0178
7	Cd2265	.0821	.9751	.0060	.0006	.0406	.0015
8	Co2286	-.0020	.4461	.0372	.0019	.0259	-.0012
9	Cr2677	.0029	.4523	.0248	.0066	.3119	.0035
10	Cu3247	.0225	.5043	.0794	.0067	.9197	.0022
11	Fe2599	180.3	176.6	54.28	2.294	55.62	.0238
12	K_7664	-.3321	-.3459	.1359	.1235	1.062	-.0000
13	Mg2790	531.0	521.9	17.00	.9893	10.51	.0044
14	Mn2576	.0174	.4680	.9726	.0236	.6923	-.0029
15	Mo2020	.0005	.9016	.0013	-.0006	.0415	-.0009
16	Na5889	.2393	1.233	2.459	.2165	.9038	.1081
17	Ni2316	.0056	.8742	.0359	.0039	.2495	.0009
18	Pb2203	.0613	.9983	.0142	-.0044	1.489	.0076
19	Sb2068	-.0617	.9332	L-.0301	-.0134	-.0165	-.0179
20	Se1960	-.1621	4.607	.0122	.0145	.0099	.0023
21	Tl1908	.0880	.9137	L-.1815	.0080	L-.0790	-.0124
22	V_2924	.0141	.4681	.1915	.0049	.0868	.0007
23	Zn2138	.0309	.9856	.0796	.0054	1.603	.0029

#	Element	LCS'912A	4647-01L	4647-01	CCV	CCVAG	CCB
1	Ag3280	.4437	.0012	-.0008	1.052	1.026	.0042
2	Al3082	42.60	2.512	12.70	20.22	.0080	.0143
3	As1936	.9154	.0165	.0143	1.007	-.0014	.0082
4	Ba4934	.6819	.0305	.1542	20.34	.0116	.0017
5	Be3130	.2972	.0003	.0008	.5042	.0003	.0001
6	Ca3179	27.51	3.216	16.16	.0124	49.83	.0322
7	Cd2265	.7169	.0000	.0009	.4973	.0081	.0000
8	Co2286	2.036	.0016	.0034	4.968	.0023	.0028
9	Cr2677	.4774	.0064	.0099	.9927	.0027	.0034
10	Cu3247	.8991	.0038	.0092	2.530	.0034	.0026
11	Fe2599	68.13	1.809	9.048	9.971	.0083	.0040
12	K_7664	38.19	.4833	2.241	.1901	50.53	.0734
13	Mg2790	29.13	.5094	2.475	-.0013	50.55	.0305
14	Mn2576	1.528	.0192	.1054	1.500	-.0001	-.0005
15	Mo2020	1.112	-.0002	.0069	1.003	-.0001	-.0009
16	Na5889	3.719	.2515	1.281	-.0321	50.38	-.0039
17	Ni2316	1.254	.0032	.0066	3.943	.0032	.0031
18	Pb2203	.6359	.0017	.0145	.4915	.0161	.0053
19	Sb2068	.4182	-.0147	-.0022	.0123	5.101	-.0062
20	Se1960	.8693	.0098	-.0037	5.020	.0008	.0005
21	Tl1908	.6444	-.0089	-.0175	.9821	-.0089	.0088
22	V_2924	.8870	.0044	.0142	5.025	.0042	.0020
23	Zn2138	.9123	.0054	.0251	1.997	.0048	-.0010

#	Element	4647-01R	4647-01S	4647-01A	4647-02	4647-03	PBS0913A
1	Ag3280	-.0004	.0467	.0450	-.0018	-.0026	-.0002
2	Al3082	11.76	24.99	14.64	58.08	36.78	.0220
3	As1936	.0066	.0471	2.019	.0488	.0367	H.0102
4	Ba4934	.1472	2.174	2.130	.5019	.7362	.0004
5	Be3130	.0008	.0508	.0495	.0046	.0027	.0000
6	Ca3179	16.43	14.69	15.90	32.08	208.2	.1475
7	Cd2265	.0008	.0013	.0507	.0043	.0026	.0003
8	Co2286	.0011	.5166	.5094	.0164	.0079	-.0008
9	Cr2677	.0098	.2195	.2088	.0342	.0219	.0027
10	Cu3247	.0116	.2786	.2649	.0388	.0223	.0018
11	Fe2599	8.198	11.37	9.966	47.56	22.30	.0120
12	K_7664	2.044	2.946	2.167	8.036	5.200	-.0306
13	Mg2790	2.340	3.408	2.414	9.646	10.98	-.0044
14	Mn2576	.1047	.6160	.6086	.9296	.2108	-.0001
15	Mo2020	.0012	1.011	1.003	.0045	.0013	-.0031
16	Na5889	1.158	1.077	1.207	.5942	1.207	.0967
17	Ni2316	.0072	.5176	.5050	.0377	.0269	.0007
18	Pb2203	.0033	.0495	.5338	.0980	.0403	-.0126
19	Sb2068	-.0100	.0679	.5014	-.0149	L-.0323	-.0248
20	Se1960	.0276	.0298	2.031	.0189	-.0204	-.0013
21	Tl1908	-.0161	-.0122	1.966	L-.0406	-.0027	-.0132
22	V_2924	.0101	.5303	.5183	.0691	.0376	.0008
23	Zn2138	.0208	.5448	.5297	.1799	.0970	.0000

#	Element	LCS'913A	4605-01L	4605-01	4605-01R	CCV	CCVAG
1	Ag3280	.5878	.0017	-.0009	-.0041	1.072	1.043
2	Al3082	46.49	6.296	32.33	37.91	20.77	.0170
3	As1936	.9264	.0155	.0402	.0524	1.011	-.0019
4	Ba4934	.7007	.2303	1.179	1.354	21.01	.0079
5	Be3130	.2954	.0007	.0026	.0026	.5103	.0001
6	Ca3179	26.80	2.283	11.70	12.22	.0078	50.97
7	Cd2265	.7010	.0025	.0035	.0045	.5024	.0076
8	Co2286	2.016	.0048	.0217	.0204	5.066	.0015
9	Cr2677	.4848	.0086	.0319	.0301	1.007	.0056
10	Cu3247	.8996	.0470	.2457	.2467	2.581	.0022
11	Fe2599	79.86	8.043	40.92	43.61	10.18	.0068
12	K_7664	40.26	1.277	6.570	7.026	.1440	53.88
13	Mg2790	29.58	1.587	8.130	9.006	-.0109	51.53
14	Mn2576	1.550	.3264	1.686	1.791	1.524	-.0003
15	Mo2020	1.138	-.0007	.0019	.0005	1.012	.0003
16	Na5889	3.894	.0717	.5086	.6427	-.0414	53.84
17	Ni2316	1.241	.0095	.0334	.0338	4.002	.0029
18	Pb2203	.6270	.0335	.0784	.0597	.4698	.0044
19	Sb2068	.7661	-.0171	-.0185	-.0168	-.0140	5.170
20	Se1960	.8514	.0102	.0088	.0033	5.048	.0041
21	Tl1908	.6464	-.0233	L-.0633	L-.0928	1.011	.0225
22	V_2924	.9214	.0217	.0932	.1001	5.127	.0030
23	Zn2138	.9123	.0284	.1444	.1443	2.026	.0043

#	Element	CCB	4605-01S	4605-01A	4605-02	4605-03	4605-04
1	Ag3280	.0032	.0414	.0409	-.0065	.0034	-.0019
2	Al3082	.0161	58.36	34.17	136.9	14.57	85.00
3	As1936	.0052	.0879	2.071	.0542	.0420	.0869
4	Ba4934	.0020	3.427	3.214	2.904	.5248	1.254
5	Be3130	.0000	.0534	.0518	.0072	.1723	.0114
6	Ca3179	.0246	14.00	11.56	44.79	15.28	14.59
7	Cd2265	.0008	.0043	.0542	.0046	.0015	.0006
8	Co2286	.0009	.5440	.5385	.0495	.0107	.0385
9	Cr2677	.0024	.2412	.2338	.0610	.0981	.0464
10	Cu3247	.0016	1.197	.5056	.0537	2.666	.6834
11	Fe2599	.0053	51.62	41.32	86.16	25.49	74.71
12	K_7664	.0502	9.079	6.727	8.435	2.201	10.43
13	Mg2790	.0119	11.51	7.989	16.45	4.377	12.96
14	Mn2576	-.0005	2.348	2.175	2.627	.4936	2.360
15	Mo2020	.0009	1.008	1.014	.0071	.0020	.0071
16	Na5889	-.0335	1.097	.5243	5.975	.4409	.7244
17	Ni2316	.0011	.5488	.5351	.0582	.0774	.0544
18	Pb2203	.0015	.0959	.5948	.1077	.9108	.1274
19	Sb2068	-.0120	.0435	.5111	L-.0364	-.0041	L-.0369
20	Se1960	-.0115	.0091	2.042	.0006	-.0104	.0058
21	Tl1908	-.0077	L-.1062	1.924	L-.1129	L-.0275	L-.0990
22	V_2924	.0016	.6390	.6100	.1505	.0376	.1187
23	Zn2138	-.0016	.6792	.6568	.1397	.2917	.2413

#	Element	4605-05	4605-06	4605-07	4605-08	4605-09	CCV
1	Ag3280	.0014	-.0035	-.0039	-.0038	.0197	1.077
2	Al3082	85.38	88.75	82.53	68.21	62.85	20.81
3	As1936	.0786	.0485	.0904	.0675	.0689	1.015
4	Ba4934	3.957	.6580	1.156	1.069	.8141	21.15
5	Be3130	.0052	.0073	.0048	.0046	.0065	.5140
6	Ca3179	12.05	14.57	11.97	15.20	9.527	.0056
7	Cd2265	.0028	.0043	.0037	.0151	.0049	.5063
8	Co2286	.0305	.0240	.0354	.0265	.0379	5.111
9	Cr2677	.0385	.0570	.0550	.0429	.0450	1.012
10	Cu3247	36.61	.0463	.0424	.2089	.1983	2.589
11	Fe2599	61.36	57.09	80.21	63.23	66.17	10.26
12	K_7664	8.091	9.851	7.795	12.90	10.51	.1287
13	Mg2790	8.821	16.13	12.72	12.58	9.627	-.0108
14	Mn2576	1.883	1.486	1.975	1.617	2.590	1.541
15	Mo2020	.0043	.0078	.0050	.0023	.0036	1.023
16	Na5889	.8068	5.128	.8956	.5957	.4241	-.0485
17	Ni2316	.2720	.0500	.0450	.0424	.0415	4.042
18	Pb2203	.2891	.0759	.0956	.4896	.1324	.4990
19	Sb2068	L-.0302	-.0153	-.0003	-.0045	-.0241	-.0065
20	Se1960	.0021	-.0151	.0012	.0025	.0006	5.093
21	Tl1908	L-.0801	L-.0604	L-.0787	L-.0849	L-.0856	1.017
22	V_2924	.0894	.0922	.1449	.1196	.1351	5.168
23	Zn2138	1.466	.1308	.1380	.2076	.1865	2.036

#	Element	CCVAG	CCB	4605-10	4605-11	4605-12	4605-13
1	Ag3280	1.049	.0004	-.0023	-.0053	-.0037	-.0021
2	Al3082	.0151	0.0479	17.92	91.96	34.73	27.33
3	As1936	.0059	.0022	.0339	.0577	.0481	.0316
4	Ba4934	.0095	0.0071	.2746	.9756	.4990	.2402
5	Be3130	.0002	0-.0000	.0020	.0052	.0032	.0042
6	Ca3179	51.51	.0382	7.512	15.59	6.844	5.407
7	Cd2265	.0088	.0003	.0030	.0048	.0033	.0011
8	Co2286	.0016	.0000	.0082	.0283	.0174	.0079
9	Cr2677	.0045	.0003	.0122	.0440	.0231	.0204
10	Cu3247	.0051	-.0006	.0414	.0393	.0754	.0665
11	Fe2599	.0103	0.0531	28.53	57.45	41.19	31.77
12	K_7664	54.60	-.0089	3.547	11.47	6.247	3.470
13	Mg2790	52.02	.0186	3.242	11.52	5.496	4.343
14	Mn2576	-.0003	-.0001	1.195	1.484	1.486	.8608
15	Mo2020	.0000	-.0010	.0020	.0020	.0032	.0005
16	Na5889	54.75	-.0275	.4262	.6663	.4715	.5539
17	Ni2316	.0031	-.0000	.0109	.0426	.0220	.0267
18	Pb2203	-.0018	.0156	.0673	.0662	.1026	.0862
19	Sb2068	5.199	.0046	-.0221	-.0042	-.0129	L-.0300
20	Se1960	.0151	.0146	.0068	-.0025	-.0020	-.0216
21	Tl1908	-.0079	.0013	L-.0663	L-.0827	L-.0765	L-.0497
22	V_2924	.0043	.0019	.0318	.1031	.0609	.0401
23	Zn2138	.0051	.0021	.1391	.1159	.1505	.1312

#	Element	4605-14	4605-15	4605-16	4605-17	4605-18	CCV
1	Ag3280	.0037	.0005	-.0058	-.0045	-.0046	1.098
2	Al3082	22.20	22.35	95.22	80.10	99.92	21.23
3	As1936	.0585	.0333	.0596	.0653	.0682	1.045
4	Ba4934	.3971	.5134	1.220	1.086	1.731	21.57
5	Be3130	.0814	.0490	.0062	.0050	.0067	.5255
6	Ca3179	8.857	8.878	12.39	13.86	26.02	.0105
7	Cd2265	.0028	.0016	.0048	.0046	.0055	.5225
8	Co2286	.0087	.0063	.0379	.0305	.0239	5.244
9	Cr2677	.0468	.0331	.0532	.0494	.0597	1.043
10	Cu3247	19.62	4.808	.0493	.2343	.0513	2.644
11	Fe2599	27.21	27.21	71.39	64.33	76.01	10.50
12	K_7664	3.326	3.499	13.26	11.87	17.61	.1581
13	Mg2790	4.118	4.211	12.80	11.69	18.96	-.0057
14	Mn2576	.6671	.7190	2.430	1.761	1.141	1.577
15	Mo2020	.0038	.0022	.0018	.0052	.0010	1.037
16	Na5889	.4255	.4537	.6042	.5468	5.754	-.0310
17	Ni2316	.0475	.0389	.0511	.0457	.0538	4.151
18	Pb2203	H6.339	.3808	.0942	.2637	.0665	.4956
19	Sb2068	.0409	-.0043	-.0082	-.0076	-.0098	.0231
20	Se1960	.0149	-.0057	.0050	.0125	.0146	5.260
21	Tl1908	L-.0366	L-.0542	L-.1269	L-.1014	L-.0396	1.069
22	V_2924	.0399	.0330	.1335	.1269	.1163	5.283
23	Zn2138	.3396	.3307	.1626	.1676	.1819	2.080

#	Element	CCVAG	CCB	ICSA	ICSAB	CRI	CCV
1	Ag3280	1.066	.0025	.0016	1.015	.0229	1.092
2	Al3082	.0084	.0488	533.4	531.6	.2791	21.20
3	As1936	-.0033	.0026	-.0029	1.017	0.0270	1.036
4	Ba4934	.0074	0.0081	.0225	.5104	0.0014	21.54
5	Be3130	.0001	.0001	.0001	.4920	.0108	.5229
6	Ca3179	52.45	.0386	494.7	.497.1	.2496	.0365
7	Cd2265	.0081	.0004	.0844	1.010	.0112	.5133
8	Co2286	.0009	.0014	-.0026	.4663	.1100	5.195
9	Cr2677	.0056	.0046	.0051	.4721	0.0258	1.038
10	Cu3247	.0027	0.0041	.0217	.5384	.0557	2.642
11	Fe2599	.0098	0.0551	185.2	184.9	.1066	10.41
12	K_7664	Q55.31	.0878	-.3892	-.3307	.0572	.1202
13	Mg2790	52.81	.0203	544.8	545.1	.2642	.0278
14	Mn2576	-.0009	Q-.0024	.0183	.4905	.0290	1.566
15	Mo2020	-.0031	.0004	-.0017	.9487	.0214	1.036
16	Na5889	Q55.13	-.0036	.2297	1.353	-.0275	-.0367
17	Ni2316	.0031	.0027	.0061	.9125	.0888	4.113
18	Pb2203	-.0056	.0268	.0200	1.034	.1079	.5198
19	Sb2068	5.306	-.0170	-.0504	.9977	0.0805	-.0188
20	Se1960	.0005	.0003	-.1222	4.782	.0110	5.195
21	Tl1908	.0029	-.0039	.0897	.9963	.0162	1.058
22	V_2924	.0030	.0022	.0135	.4934	.1108	5.248
23	Zn2138	.0041	.0014	.0298	1.023	.0426	2.066

#	Element	CCVAG	CCB	PBS0913B	LCS'913B	4605-19	4605-20
1	Ag3280	1.062	.0018	.0002	.5842	-.0064	-.0063
2	Al3082	.0170	.0197	.0233	46.72	74.40	60.89
3	As1936	.0065	.0104	-.0057	.9580	.0574	.0621
4	Ba4934	.0076	.0013	.0004	.7148	.8625	.5866
5	Be3130	.0002	.0001	.0001	.3042	.0050	.0044
6	Ca3179	52.52	.0238	.0168	27.59	9.437	13.75
7	Cd2265	.0089	.0011	.0003	.7265	.0055	.0042
8	Co2286	.0010	.0013	.0000	2.077	.0412	.0230
9	Cr2677	.0034	.0003	.0020	.4879	.0525	.0398
10	Cu3247	.0033	.0011	.0042	.9163	.0831	.0473
11	Fe2599	.0128	.0035	.0050	75.27	67.56	55.71
12	K_7664	54.64	.0681	.0358	40.70	12.44	10.98
13	Mg2790	52.86	.0322	-.0036	30.16	10.98	9.243
14	Mn2576	-.0004	-.0027	-.0030	1.609	2.607	1.699
15	Mo2020	-.0016	.0001	-.0027	1.148	.0030	.0047
16	Na5889	54.79	-.0032	.1099	3.976	.4565	.5436
17	Ni2316	.0039	.0014	.0004	1.275	.0478	.0341
18	Pb2203	.0043	.0248	-.0016	.6331	.1108	.1410
19	Sb2068	5.273	-.0013	-.0085	.5982	-.0052	-.0054
20	Se1960	.0079	.0004	-.0088	.8858	-.0077	-.0073
21	Tl1908	-.0001	-.0092	-.0124	.6746	L-.0998	L-.0933
22	V_2924	.0035	.0035	.0012	.9362	.1369	.0882
23	Zn2138	.0052	.0001	.0016	.9219	.1618	.1590

#	Element	4605-21L	4605-21	4605-21R	4605-21S	4605-21A	4605-22
1	Ag3280	.0003	-.0018	.0570	.0461	.0385	.0010
2	Al3082	5.345	27.09	26.09	46.46	28.77	7.934
3	As1936	.0132	.0422	.0519	.0884	2.091	.0286
4	Ba4934	.1012	.5134	.5743	2.595	2.578	.1341
5	Be3130	.0030	.0152	.0161	.0697	.0645	.0019
6	Ca3179	1.568	7.884	8.267	.8.576	7.741	3.436
7	Cd2265	.0013	.0020	.0116	.0021	.0523	.0015
8	Co2286	.0024	.0086	.0112	.5422	.5300	.0047
9	Cr2677	.0083	.0255	.0259	.2458	.2308	.0217
10	Cu3247	.8319	4.195	5.940	5.347	4.399	.0578
11	Fe2599	7.286	31.80	34.82	44.16	32.10	19.87
12	K_7664	.5835	3.185	3.242	5.416	3.124	1.518
13	Mg2790	.8683	4.379	4.276	6.083	4.259	1.011
14	Mn2576	.1718	.8602	1.013	1.353	1.365	1.262
15	Mo2020	-.0001	.0020	.0056	1.042	1.030	.0037
16	Na5889	.0803	.5603	.5425	.6270	.5514	.8225
17	Ni2316	.0071	.0325	.0333	.5642	.5430	.0328
18	Pb2203	.4094	2.041	2.861	4.212	2.512	.0863
19	Sb2068	-.0047	.0210	.0022	.0788	.5762	-.0172
20	Se1960	.0049	-.0064	-.0107	.0173	2.071	.0132
21	Tl1908	-.0215	L-.0396	L-.0385	L-.0559	2.017	-.0160
22	V_2924	.0090	.0417	.0471	.5868	.5618	.0151
23	Zn2138	.0720	.3617	.2712	.8059	.8727	.1210

#	Element	CCV	CCVAG	CCB	4605-23	4605-24	4605-25
1	Ag3280	1.086	1.065	-.0003	-.0030	-.0001	-.0037
2	Al3082	21.01	.0035	.0390	9.457	9.930	40.72
3	As1936	1.033	.0008	.0022	.0292	.0360	.0490
4	Ba4934	21.31	.0065	.0070	.1033	.2866	.5023
5	Be3130	.5191	.0001	.0001	.0016	.0528	.0130
6	Ca3179	.0107	52.06	.0271	2.110	5.301	66.11
7	Cd2265	.5156	.0078	.0008	.0002	.0004	.0035
8	Co2286	5.160	.0025	-.0012	.0020	.0232	.0182
9	Cr2677	1.037	.0036	.0003	.0084	.0711	.0448
10	Cu3247	2.629	.0041	-.0004	.0165	3.491	.2414
11	Fe2599	10.31	.0073	.0574	28.04	23.34	43.86
12	K_7664	.1798	53.99	-.0322	1.407	1.625	6.995
13	Mg2790	-.0053	52.55	.0004	1.527	2.562	8.599
14	Mn2576	1.558	-.0005	-.0028	.8947	.6499	1.133
15	Mo2020	1.029	-.0003	-.0027	.0027	.0062	.0091
16	Na5889	-.0185	54.50	-.0435	.6360	.5347	.6677
17	Ni2316	4.089	.0029	-.0010	.0130	.0471	.0403
18	Pb2203	.5029	-.0012	-.0035	.0047	.3396	.2164
19	Sb2068	.0051	5.290	-.0256	-.0162	-.0036	-.0141
20	Se1960	5.183	.0322	-.0166	.0054	.0005	.0307
21	Tl1908	1.054	.0020	-.0188	L-.0333	L-.0294	L-.0524
22	V_2924	5.208	.0040	-.0017	.0172	.0210	.0738
23	Zn2138	2.058	.0044	.0017	.1207	.1931	.1511

#	Element	4605-26	4605-27	4605-28	4605-29	4605-30	4605-31
1	Ag3280	-.0021	.0016	-.0024	.0001	-.0042	-.0045
2	Al3082	20.83	23.91	36.32	18.52	48.17	67.32
3	As1936	.0519	.0424	.0485	.0673	.0425	.0752
4	Ba4934	.3604	.4684	.5372	.5084	.5179	.7700
5	Be3130	.0168	.0177	.0086	.0075	.0099	.0064
6	Ca3179	85.81	78.24	35.58	192.4	39.05	12.48
7	Cd2265	.0011	.0015	.0048	.0035	.0034	.0039
8	Co2286	.0104	.0148	.0171	.0130	.0159	.0340
9	Cr2677	.0412	.0460	.0335	.0586	.0318	.0545
10	Cu3247	.3279	.5469	.2310	.6249	.1611	.0896
11	Fe2599	32.48	38.99	37.43	38.87	42.62	69.87
12	K_7664	3.624	4.472	6.923	2.639	7.099	10.59
13	Mg2790	5.988	6.691	7.610	7.481	8.031	9.469
14	Mn2576	.8525	.9688	1.064	.9147	.9585	2.045
15	Mo2020	.0022	.0033	.0019	.0056	.0015	.0053
16	Na5889	.6131	.7280	.4979	.7258	.5703	.5989
17	Ni2316	.0251	.0296	.0329	.0499	.0295	.0466
18	Pb2203	.2941	.1859	.1367	.1514	.1147	.1179
19	Sb2068	-.0210	-.0156	-.0274	-.0074	-.0131	-.0027
20	Se1960	.0071	.0078	-.0178	.0089	.0123	-.0022
21	Tl1908	L-.0259	L-.0465	L-.0781	-.0093	L-.0524	L-.0992
22	V_2924	.0569	.0690	.0672	.0804	.0749	.1310
23	Zn2138	.1284	.1504	.1710	.1166	.1413	.1545

#	Element	4605-32	CCV	CCVAG	CCB	4605-33	4605-34
1	Ag3280	-.0049	Q1.116	1.082	.0017	-.0041	-.0040
2	Al3082	84.66	21.66	.0076	.0547	77.70	145.3
3	As1936	.0634	1.055	.0036	.0038	.0764	.2047
4	Ba4934	1.594	Q22.27	.0080	.0080	.7912	2.121
5	Be3130	.0063	.5298	.0002	.0001	.0049	.0042
6	Ca3179	26.47	.0185	51.72	.0338	10.47	74.46
7	Cd2265	.0044	.5186	.0074	.0007	.0069	.0151
8	Co2286	.0229	5.210	.0011	-.0001	.0359	.0640
9	Cr2677	.0513	1.050	.0040	.0043	.0570	.3784
10	Cu3247	.0508	2.737	.0018	.0017	.1066	.1904
11	Fe2599	67.25	10.46	.0093	.0629	67.54	150.4
12	K_7664	15.54	.1641	Q55.41	.0090	13.65	22.26
13	Mg2790	16.86	-.0212	52.80	.0283	11.17	68.95
14	Mn2576	1.242	1.585	-.0007	-.0022	1.755	2.519
15	Mo2020	.0032	1.045	-.0020	-.0013	.0040	.0046
16	Na5889	5.587	-.0713	Q56.55	-.0514	.8575	4.103
17	Ni2316	.0508	4.119	.0016	.0014	.0444	.3879
18	Pb2203	.0624	.5140	-.0041	.0110	.1822	.0865
19	Sb2068	-.0120	-.0148	5.333	-.0020	-.0101	-.0008
20	Se1960	-.0191	5.292	.0174	.0117	-.0085	.0412
21	Ti1908	L-.0508	1.056	.0133	.0023	L-.0789	L-.0589
22	V_2924	.1050	5.314	.0025	.0001	.1353	.3815
23	Zn2138	.1597	2.084	.0034	-.0007	.1503	.4781

#	Element	4605-35	4605-36	ICSA	ICSAB	CRI	CCV
1	Ag3280	.1548	.0154	.0038	1.018	.0243	Q1.109
2	Al3082	105.4	96.07	535.9	533.5	.2383	21.55
3	As1936	3.266	.6033	-.0185	1.009	.0233	1.048
4	Ba4934	1.784	1.017	.0242	.5145	Q.0012	Q22.02
5	Be3130	.0061	.0051	.0001	.4891	.0108	.5279
6	Ca3179	20.78	106.9	487.9	488.6	.2120	.0275
7	Cd2265	.1104	.2075	.0866	1.004	.0116	.5173
8	Co2286	.0489	.0448	.0017	.4613	.1094	5.216
9	Cr2677	.0751	.0981	.0079	.4691	.0208	1.051
10	Cu3247	15.65	.6093	.0325	.5479	.0567	2.716
11	Fe2599	139.7	107.3	182.7	182.3	.0911	10.43
12	K_7664	29.02	23.69	-.2713	-.3137	.0411	.1626
13	Mg2790	28.25	38.77	540.1	539.9	.2062	-.0026
14	Mn2576	H44.53	2.641	.0196	.4876	.0295	1.580
15	Mo2020	.0878	.0054	.0013	.9326	.0201	1.049
16	Na5889	3.323	1.405	.2297	1.340	-.0407	-.0596
17	Ni2316	.0588	.0820	.0089	.9147	.0872	4.133
18	Pb2203	H27.50	H5.864	.0270	.9917	.1182	.5089
19	Sb2068	.0248	.0032	-.0295	1.020	Q.0891	-.0036
20	Se1960	.0023	.0169	-.1401	4.890	Q.0055	5.294
21	Ti1908	L-.3037	L-.0824	.0858	.9680	Q.0274	1.043
22	V_2924	.2608	.2402	.0174	.4910	.1095	5.302
23	Zn2138	31.70	1.661	.0299	1.014	.0410	2.081

#	Element	CCVAG	CCB
1	Ag3280	1.076	0.0244
2	Al3082	.0143	.0157
3	As1936	.0016	-.0639
4	Ba4934	.0082	.0043
5	Be3130	.0003	-.0001
6	Ca3179	52.20	.1349
7	Cd2265	.0085	-.0024
8	Co2286	.0018	-.0022
9	Cr2677	.0064	-.0007
10	Cu3247	.0042	-.0057
11	Fe2599	.0150	.0378
12	K_7664	54.35	.0071
13	Mg2790	52.95	.0376
14	Mn2576	-.0004	-.0029
15	Mo2020	-.0003	-.0017
16	Na5889	055.23	.1858
17	Ni2316	.0037	-.0146
18	Pb2203	.0086	-.0139
19	Sb2068	5.315	-.0379
20	Se1960	.0188	-.0069
21	Tl1908	.0101	-.0226
22	V_2924	.0033	-.0005
23	Zn2138	.0043	.0066

Method: CLPM0

Standard: STD1-Blank

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Avge	-.1260	.0167	-.0405	-.0005	.0052	.0025	-.0003
SDev	.0027	.0008	.0309	.0011	.0000	.0012	.0025
%RSD	2.161	4.976	76.35	243.7	.0000	48.87	925.7
#1	-.1229	.0174	-.0062	.0008	.0052	.0036	.0018
#2	-.1277	.0158	-.0490	-.0008	.0052	.0026	.0004
#3	-.1275	.0170	-.0662	-.0014	.0052	.0012	-.0030
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.0011	.0065	.0077	.0001	.0120	.0030	.0063
SDev	.0020	.0044	.0023	.0005	.0012	.0031	.0005
%RSD	185.0	68.13	29.97	755.0	15.28	103.5	7.782
#1	.0024	.0086	.0102	.0006	.0140	.0062	.0072
#2	.0020	.0094	.0074	.0000	.0104	.0028	.0070
#3	-.0012	.0014	.0056	-.0004	.0116	.0000	.0062
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Avge	-.0001	.1896	.0130	.0127	.0169	-.0317	-.0009
SDev	.0017	.0031	.0011	.0069	.0171	.0094	.0058
%RSD	1249.	1.658	8.703	54.17	101.2	29.63	669.0
#1	-.0020	.1930	.0141	.0114	.0330	-.0410	.0056
#2	.0004	.1890	.0130	.0202	-.0010	-.0222	-.0056
#3	.0012	.1868	.0119	.0066	.0186	-.0320	-.0026
Elem	V_2924	Zn2138					
Avge	-.0009	.0901					
SDev	.0027	.0013					
%RSD	313.3	1.477					
#1	.0020	.0916					
#2	-.0012	.0890					
#3	-.0034	.0898					

Method: CLPMO

Standard: STD2

Elem	Ag3280	Ca3179	K_7664	Mg2790	Na5889	Sb2068
Avge	1.543	24.36	1.873	7.542	9.535	5.700
SDev	.012	.06	.012	.054	.062	.039
%RSD	.7815	.2515	.6200	.7138	.6507	.6827
#1	1.529	24.29	1.878	7.483	9.530	5.655
#2	1.549	24.39	1.859	7.587	9.476	5.717
#3	1.551	24.39	1.880	7.556	9.599	5.727

Method: CLPMO

Standard: STD3

Elem	Al3082	As1936	Ba4934	Be3130	Cd2265	Co2286	Cr2677
Avge	3.014	1.595	26.93	1.459	.8737	6.731	2.213
SDev	.023	.013	.22	.007	.0060	.073	.024
%RSD	.7752	.8358	.8158	.4800	.6838	1.086	1.090
#1	3.026	1.581	27.08	1.459	.8784	6.761	2.212
#2	3.029	1.607	27.03	1.466	.8758	6.785	2.237
#3	2.987	1.598	26.68	1.452	.8670	6.648	2.189
Elem	Cu3247	Fe2599	Mn2576	Mo2020	Ni2316	Pb2203	Sr1960
Avge	1.651	2.666	1.483	.4699	4.515	.3362	5.386
SDev	.009	.024	.012	.0055	.066	.0125	.050
%RSD	.5596	.8932	.8413	1.163	1.463	3.711	.9318
#1	1.656	2.673	1.487	.4714	4.509	.3478	5.402
#2	1.656	2.685	1.492	.4744	4.584	.3378	5.426
#3	1.640	2.639	1.468	.4638	4.453	.3230	5.329
Elem	Tl1908	V_2924	Zn2138				
Avge	.7217	9.202	2.910				
SDev	.0112	.075	.007				
%RSD	1.552	.8120	.2286				
#1	.7152	9.227	2.915				
#2	.7346	9.260	2.913				
#3	.7152	9.117	2.903				

Analysis Report

QC Standard

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Method: CLPMO

Sample Name: ICV

Operator:

Run Time: 09/16/94 18:10:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.034	1.034	.9842	.9756	1.007	10.25	1.024
SDev	.004	.004	.0164	.0103	.005	.04	.004
%RSD	.4126	.3749	1.662	1.058	.4519	.4050	.3619
#1	1.037	1.038	.9656	.9859	1.009	10.30	1.025
#2	1.029	1.030	.9963	.9653	1.001	10.24	1.020
#3	1.035	1.034	.9906	.9757	1.010	10.22	1.028
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		1.000	1.000	1.000	1.000	10.00	1.000
Range		10.00	10.00	10.00	10.00	10.00	10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.018	1.000	.9974	1.025	10.17	10.06	1.006
SDev	.002	.004	.0075	.005	.21	.02	.004
%RSD	.1574	.4402	.7555	.4699	2.061	.2366	.3867
#1	1.019	1.005	1.006	1.029	10.41	10.07	1.009
#2	1.018	.9963	.9916	1.020	10.04	10.03	1.001
#3	1.016	.9997	.9947	1.027	10.05	10.08	1.006
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	1.000	1.000	1.000	10.00	10.00	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.005	10.11	.9894	1.074	1.042	1.009	1.010
SDev	.007	.18	.0036	.005	.004	.004	.012
%RSD	.6810	1.773	.3638	.4404	.3956	.3671	1.176
#1	1.010	10.26	.9935	1.076	1.040	1.006	1.001
#2	.9968	9.913	.9879	1.068	1.047	1.013	1.023
#3	1.007	10.15	.9869	1.077	1.040	1.008	1.005
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	1.000	10.00	1.000	1.000	1.000		
Range	10.00	10.00	10.00	10.00	10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	1.002	1.003					
SDev	.005	.002					
%RSD	.5373	.2418					
#1	1.008	1.001					
#2	.9984	1.003					
#3	.9997	1.006					
Errors	QC Pass	QC Pass					
Value	1.000	1.000					
Range	10.00	10.00					

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QC Standard

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Range 10.00 10.00

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: ICB

Operator:

Run Time: 09/16/94 18:17:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0059	.0051	.0004	.0003	-.0001	.0003
SDev	.0014	.0101	.0091	.0007	.0002	.0049	.0008
%RSD	132.7	173.0	179.1	164.4	78.18	3600.	219.5
#1	.0024	.0166	.0133	.0009	.0005	.0048	.0011
#2	-.0004	-.0035	-.0047	-.0004	.0001	-.0051	-.0004
#3	.0013	.0045	.0066	.0008	.0001	-.0001	.0004
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.0010	.0010	.0010	.0010	.0010	.0010
Range		.0450	.1000	.0040	.0010	.2000	.0040
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0019	-.0018	.0015	-.0233	-.0221	Q-.0028
SDev	.0026	.0049	.0034	.0016	.0701	.0191	.0004
%RSD	1768.	250.5	183.6	103.7	301.2	86.09	12.39
#1	.0017	.0045	.0004	.0020	.0430	-.0146	Q-.0026
#2	-.0032	-.0037	Q-.0057	-.0002	-.0967	-.0438	Q-.0032
#3	.0010	.0050	-.0002	.0028	-.0161	-.0080	Q-.0026
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0070	.0050	.0030	.0300	.7500	.1000	.0020
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0353	.0016	-.0071	-.0222	-.0013	-.0161
SDev	.0022	.0263	.0050	.0201	.0077	.0036	.0279
%RSD	792.5	74.47	320.2	281.6	34.65	196.4	172.7
#1	.0020	-.0246	.0032	.0065	-.0311	.0009	.0117
#2	-.0023	-.0653	-.0041	-.0303	-.0178	-.0004	-.0440
#3	.0011	-.0161	.0056	.0023	-.0177	-.0060	-.0160
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0050	.2000	.0080	.0330	.0400	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0001	-.0009					
SDev	.0018	.0015					
%RSD	2209.	174.6					
#1	.0008	-.0005					
#2	-.0019	-.0025					
#3	.0014	.0005					
Errors	QC Pass	QC Pass					

Analysis Report

QC Standard

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Range .0080 .0050

Analysis Report

QC Standard

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page 1

Method: CLPMO Sample Name: CRI

Operator:

Run Time: 09/16/94 18:24:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0252	.0219	0.0293	0.0005	.0103	.0119	.0114
SDev	.0018	.0131	.0097	.0003	.0001	.0029	.0004
%RSD	7.213	59.74	33.10	62.98	.7936	24.22	3.825
#1	0.0264	.0331	0.0295	0.0003	.0102	.0122	.0112
#2	.0231	.0075	.0195	0.0009	.0104	.0146	.0110
#3	0.0262	.0250	0.0388	0.0003	.0104	.0089	.0118
Errors	QC Fail	NOCHECK	QC Fail	QC Fail	QC Pass	NOCHECK	QC Pass
Value	.0200		.0200	.2000	.0100		.0100
Range	25.00		25.00	25.00	25.00		25.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1071	.0229	.0506	.0059	.0340	.0064	.0287
SDev	.0009	.0045	.0022	.0011	.0315	.0020	.0000
%RSD	.8442	19.50	4.335	19.30	92.53	31.42	.0005
#1	.1075	.0232	.0512	.0062	.0107	.0069	.0287
#2	.1077	.0184	.0524	.0047	.0699	.0042	.0287
#3	.1060	0.0273	.0482	.0069	.0215	.0082	.0287
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	.1000	.0200	.0500				.0300
Range	25.00	25.00	25.00				25.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0184	-.0011	.0864	.1148	0.0773	0.0344	0.0010
SDev	.0021	.0093	.0040	.0258	.0101	.0132	.0043
%RSD	11.40	871.8	4.610	22.47	13.09	38.44	442.6
#1	.0198	.0096	.0905	.1071	0.0868	0.0192	0.0031
#2	.0194	-.0054	.0862	.0937	0.0785	0.0426	0.0039
#3	.0160	-.0075	.0826	0.1436	0.0666	0.0415	0-.0040
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Fail	QC Fail	QC Fail
Value	.0200		.0800	.1060	.1200	.0100	.0200
Range	25.00		25.00	25.00	25.00	25.00	25.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1063	.0419					
SDev	.0004	.0015					
%RSD	.4272	3.499					
#1	.1065	.0417					
#2	.1057	.0405					
#3	.1065	.0434					
Errors	QC Pass	QC Pass					
Value	.0000	.0000					
Range							

Analysis Report

QC Standard

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Range 25.00 25.00

Method: CLPMO Sample Name: ICSA

Operator:

Run Time: 09/16/94 18:31:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	510.3	.0720	.0217	.0001	482.9	.0821
SDev	.0010	6.6	.0567	.0006	.0001	6.2	.0019
%RSD	40.32	1.290	78.75	2.768	68.91	1.275	2.323
#1	.0028	513.1	.0785	.0223	.0001	487.0	.0843
#2	.0013	515.0	.1252	.0211	.0002	485.8	.0811
#3	.0030	502.8	.0123	.0216	.0000	475.8	.0810

Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	.0029	.0225	180.3	-.3321	531.0	.0174
SDev	.0010	.0006	.0023	2.0	.0155	5.6	.0004
%RSD	48.65	20.79	10.23	1.123	4.671	1.048	2.431

	#1	#2	#3
Co2286	-.0014	-.0032	-.0015
Cr2677	.0035	.0023	.0028
Cu3247	.0241	.0199	.0235
Fe2599	181.2	181.8	178.0
K_7664	-.3495	-.3271	-.3197
Mg2790	533.5	534.9	524.6
Mn2576	.0179	.0173	.0171

Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.0		500.0	
Range				20.00		20.00	

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.2393	.0056	.0613	-.0617	-.1621	.0880
SDev	.0050	.0247	.0012	.0146	.0408	.0320	.0117
%RSD	1099.	10.33	20.92	23.85	66.20	19.74	13.32

	#1	#2	#3
Mo2020	.0009	.0052	-.0048
Na5889	.2536	.2108	.2536
Ni2316	.0067	.0044	.0056
Pb2203	.0700	.0444	.0695
Sb2068	-.0454	-.0314	-.1081
Se1960	-.1990	-.1417	-.1456
Tl1908	.1002	.0870	.0768

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0141	.0309
SDev	.0012	.0013
%RSD	8.478	4.051

	#1	#2	#3
V_2924	.0152	.0129	.0143
Zn2138	.0298	.0305	.0322

Errors	NOCHECK	NOCHECK
Value		
Range		

Range

Analysis Report

QC Standard

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page 1

Method: CLPMO Sample Name: ICSAB

Operator:

Run Time: 09/16/94 18:38:52

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9690	500.2	.9773	.4750	.4703	473.8	.9751
SDev	.0084	3.3	.0306	.0032	.0030	3.5	.0073
%RSD	.8725	.6684	3.130	.6687	.6354	.7408	.7537
#1	.9699	500.0	.9649	.4743	.4703	474.3	.9722
#2	.9601	496.9	.9549	.4723	.4673	470.0	.9666
#3	.9769	503.6	1.012	.4785	.4733	477.0	.9798
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	500.0	1.000	.5000	.5000	500.0	1.000
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4461	.4523	.5043	176.6	-.3459	521.9	.4680
SDev	.0048	.0044	.0032	1.2	.0105	3.4	.0029
%RSD	1.072	.9698	.6453	.6975	3.038	.6578	.6305
#1	.4467	.4515	.5026	176.6	-.3535	521.9	.4682
#2	.4410	.4484	.5023	175.4	-.3503	518.4	.4650
#3	.4506	.4571	.5080	177.9	-.3340	525.3	.4708
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.5000	.5000	.5000	200.0		500.0	.5000
Range	20.00	20.00	20.00	20.00		20.00	20.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9016	1.233	.8742	.9983	.9332	4.607	.9137
SDev	.0050	.008	.0027	.0077	.0151	.027	.0101
%RSD	.5512	.6260	.3091	.7747	1.614	.5835	1.101
#1	.9015	1.231	.8754	1.007	.9201	4.615	.9092
#2	.8968	1.241	.8711	.9931	.9299	4.577	.9252
#3	.9067	1.226	.8760	.9945	.9496	4.629	.9063
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000		1.000	1.000	1.000	5.000	1.000
Range	20.00		20.00	20.00	20.00	20.00	20.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.4681	.9856					
SDev	.0036	.0034					
%RSD	.7682	.3499					
#1	.4680	.9863					
#2	.4646	.9819					
#3	.4717	.9887					
Errors	QC Pass	QC Pass					
Value	1.000	1.000					
Range	20.00	20.00					

Analysis Report

QC Standard

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Range 20.00 20.00

Analysis Report

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page 1

Method: CLPMO Sample Name: 4612-01D

Operator: RM

Run Time: 09/16/94 18:45:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0073	29.45	.0694	.0321	.0006	41.82	.0060
SDev	.0017	.18	.0036	.0003	.0001	.55	.0012
%RSD	23.92	.6250	5.183	.9637	12.33	1.316	19.95
#1	-.0056	29.66	.0707	.0324	.0006	42.37	.0074
#2	-.0090	29.30	.0654	.0318	.0006	41.27	.0051
#3	-.0073	29.39	.0722	.0320	.0005	41.81	.0056
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0372	.0248	.0794	54.28	.1359	17.00	.9726
SDev	.0010	.0024	.0017	.40	.0106	.22	.0065
%RSD	2.792	9.535	2.110	.7345	7.771	1.299	.6686
#1	.0383	.0256	.0814	54.69	.1355	17.25	.9792
#2	.0372	.0221	.0783	53.89	.1255	16.84	.9662
#3	.0362	.0265	.0786	54.28	.1466	16.90	.9723
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	2.459	.0359	.0142	L-.0301	.0122	L-.1815
SDev	.0008	.050	.0039	.0162	.0162	.0195	.0064
%RSD	62.77	2.042	10.74	114.5	53.85	160.7	3.503
#1	.0014	2.484	.0402	.0238	-.0134	.0293	L-.1865
#2	.0022	2.401	.0330	-.0046	L-.0459	.0163	L-.1836
#3	.0005	2.492	.0343	.0233	L-.0312	-.0091	L-.1743
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1915	.0796					
SDev	.0014	.0020					
%RSD	.7163	2.507					
#1	.1923	.0817					
#2	.1899	.0793					
#3	.1922	.0778					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

Analysis Report

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO

Sample Name: 4612-04D

Operator: RM

Run Time: 09/16/94 18:53:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043	1.835	.0097	.0776	.0001	119.5	.0006
SDev	.0015	.015	.0070	.0010	.0001	1.3	.0021
%RSD	34.05	.8345	71.95	1.340	75.01	1.048	349.6
#1	.0041	1.848	.0061	.0764	.0001	118.2	-.0011
#2	.0030	1.840	.0053	.0783	.0001	120.8	-.0001
#3	.0059	1.818	.0178	.0780	.0002	119.5	.0029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.0066	.0067	2.294	.1235	.9893	.0236
SDev	.0019	.0080	.0052	.027	.1098	.0087	.0005
%RSD	97.46	120.6	77.32	1.177	88.91	.8797	1.987
#1	.0002	.0023	.0028	2.301	.0151	.9906	.0234
#2	.0016	.0017	.0047	2.317	.1207	.9800	.0234
#3	.0040	.0158	.0126	2.265	.2346	.9973	.0242
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.2165	.0039	-.0044	-.0134	.0145	.0080
SDev	.0050	.0437	.0014	.0154	.0206	.0460	.0310
%RSD	870.5	20.19	35.30	351.4	153.0	317.8	386.0
#1	-.0043	.1851	.0053	-.0221	-.0068	.0116	-.0045
#2	-.0026	.1980	.0039	.0025	L-.0365	.0619	-.0147
#3	.0051	.2664	.0025	.0064	.0030	-.0300	.0434
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0049	.0054					
SDev	.0014	.0021					
%RSD	28.57	38.49					
#1	.0052	.0060					
#2	.0034	.0031					
#3	.0062	.0071					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

Analysis Report

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Low -.0500 -.0200.

Analysis Report

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page 1

Method: CLPMO Sample Name: 4612-05D

Operator: RM

Run Time: 09/16/94 19:00:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0019	15.91	.0644	.4905	.0003	17.21	.0406
SDev	.0018	.18	.0044	.0075	.0000	.16	.0015
%RSD	94.57	1.152	6.873	1.521	13.42	.9488	3.786
#1	-.0001	15.77	.0617	.4842	.0003	17.28	.0418
#2	-.0019	16.12	.0619	.4987	.0003	17.33	.0389
#3	-.0037	15.85	.0695	.4886	.0003	17.02	.0411
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0259	.3119	.9197	55.62	1.062	10.51	.6923
SDev	.0027	.0050	.0123	.50	.086	.07	.0056
%RSD	10.27	1.602	1.333	.9040	8.068	.6814	.8151
#1	.0276	.3175	.9116	55.37	1.038	10.52	.6900
#2	.0273	.3105	.9338	56.20	1.156	10.58	.6988
#3	.0229	.3078	.9137	55.29	.9900	10.43	.6882
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0415	.9038	.2495	1.489	-.0165	.0099	L-.0790
SDev	.0023	.0281	.0050	.029	.0243	.0078	.0161
%RSD	5.634	3.111	2.022	1.928	146.8	78.53	20.44
#1	.0420	.9363	.2535	1.520	.0107	.0032	L-.0624
#2	.0390	.8881	.2512	1.482	L-.0359	.0184	L-.0800
#3	.0437	.8871	.2438	1.464	-.0244	.0081	L-.0946
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0868	1.603					
SDev	.0009	.016					
%RSD	1.006	.9711					
#1	.0873	1.589					
#2	.0874	1.620					
#3	.0858	1.598					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

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Low . -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: PBS0912A

Operator: RM

Run Time: 09/16/94 19:07:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0175	L-.0107	-.0000	.0000	.0178	.0015
SDev	.0027	.0232	.0138	.0002	.0000	.0013	.0008
%RSD	153.1	132.4	129.6	458.3	88.13	7.418	55.62
#1	.0033	.0435	-.0020	-.0002	.0001	.0188	.0024
#2	-.0013	.0099	L-.0266	.0002	.0001	.0183	.0010
#3	.0032	-.0009	-.0034	-.0001	-.0000	.0163	.0011
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.2000	.0100	.2000	.0050	5.000	.0050
Low	-.0100	-.2000	-.0100	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0035	.0022	.0238	-.0000	.0044	-.0029
SDev	.0007	.0033	.0018	.0076	.0376	.0146	.0001
%RSD	57.71	93.57	81.82	32.06	279500.	332.8	4.017
#1	-.0020	.0018	.0004	.0321	-.0376	-.0027	-.0028
#2	-.0008	.0014	.0041	.0223	.0376	-.0053	-.0030
#3	-.0008	.0073	.0022	.0170	-.0000	.0212	-.0028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Low	-.0500	-.0100	-.0250	-.1000	-5.000	-5.000	-.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.1081	.0009	.0076	-.0179	.0023	-.0125
SDev	.0015	.0011	.0021	.0323	.0042	.0172	.0082
%RSD	175.8	.9901	226.8	427.0	23.63	758.9	65.84
#1	-.0023	.1081	.0031	-.0261	-.0186	-.0169	-.0191
#2	.0007	.1070	.0008	.0107	-.0217	.0073	-.0149
#3	-.0010	.1091	-.0011	.0382	-.0133	.0164	-.0033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0200	5.000	.0400	.0500	.0600	.0600	.0500
Low	-.0200	-5.000	-.0400	-.0500	-.0600	-.0600	-.0500
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0007	.0029					
SDev	.0010	.0011					
%RSD	135.9	39.21					
#1	.0000	.0041					
#2	.0019	.0029					
#3	.0003	.0018					
Errors	LC Pass	LC Pass					
High	.0500	.0500					
Low	-.0500	-.0500					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO

Sample Name: LCSS0912A

Operator: RM

Run Time: 09/16/94 19:14:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4437	42.60	.9154	.6819	.2972	27.51	.7169
SDev	.0031	.40	.0098	.0085	.0013	.11	.0020
%RSD	.6919	.9305	1.071	1.250	.4474	.4065	.2799

#1	.4412	42.34	.9042	.6759	.2959	27.53	.7177
#2	.4428	42.41	.9221	.6782	.2973	27.39	.7146
#3	.4471	43.06	.9201	.6917	.2986	27.62	.7134

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.050	55.80	3.500	.8800	.3700	31.70	.8600
Low	.2900	19.30	.3500	.4500	.1700	15.80	.3600

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.036	.4774	.8991	68.13	38.19	29.13	1.528
SDev	.009	.0029	.0080	.36	.82	.15	.007
%RSD	.4497	.6151	.8878	.5269	2.158	.5173	.4398

#1	2.030	.4802	.8918	67.93	37.69	29.06	1.525
#2	2.031	.4777	.8979	67.92	37.74	29.04	1.523
#3	2.046	.4743	.9076	68.55	39.14	29.31	1.535

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.460	.6100	1.100	110.0	44.00	36.00	1.900
Low	1.120	.2600	.4800	49.30	20.90	16.10	.9700

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.112	3.719	1.254	.6359	.4182	.8693	.6444
SDev	.005	.090	.002	.0133	.0167	.0199	.0141
%RSD	.4613	2.425	.1753	2.089	3.987	2.287	2.188

#1	1.112	3.686	1.256	.6388	.4160	.8728	.6568
#2	1.107	3.650	1.253	.6215	.4028	.8479	.6290
#3	1.117	3.821	1.252	.6476	.4359	.8872	.6473

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.470	5.060	1.570	.7100	3.500	1.080	.9800
Low	.6400	1.800	.6400	.2700	.3200	.3600	.3100

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.8870	.9123
SDev	.0045	.0029
%RSD	.5061	.3174

#1	.8843	.9101
#2	.8846	.9113
#3	.8922	.9156

Errors	LC Pass	LC Pass
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Analysis Report

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Low .5600 .4500

Analysis Report

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page 1

Method: CLPMO Sample Name: 4647-01L

Operator: RM

Run Time: 09/16/94 19:21:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	2.512	.0165	.0305	.0003	3.216	.0000
SDev	.0013	.017	.0079	.0009	.0001	.025	.0010
%RSD	110.7	.6822	47.86	2.981	24.76	.7673	2423.
#1	.0023	2.527	.0249	.0306	.0003	3.214	.0012
#2	.0014	2.517	.0092	.0312	.0003	3.242	-.0007
#3	-.0002	2.494	.0155	.0295	.0002	3.192	-.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.0064	.0038	1.809	.4833	.5094	.0192
SDev	.0034	.0044	.0058	.019	.1290	.0125	.0006
%RSD	213.2	69.05	155.3	1.059	26.69	2.461	3.061
#1	.0031	.0107	.0065	1.818	.5353	.5050	.0195
#2	.0040	.0066	.0077	1.821	.5783	.5236	.0195
#3	-.0023	.0019	-.0029	1.787	.3364	.4997	.0185
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.2515	.0032	.0017	-.0147	.0098	-.0089
SDev	.0027	.0043	.0020	.0124	.0149	.0022	.0047
%RSD	1553.	1.702	62.49	725.3	101.7	22.73	52.77
#1	-.0013	.2557	.0011	.0159	-.0013	.0090	-.0055
#2	.0029	.2472	.0034	-.0033	-.0120	.0123	-.0143
#3	-.0022	.2515	.0050	-.0074	L-.0308	.0080	-.0069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0044	.0054					
SDev	.0015	.0016					
%RSD	34.95	30.69					
#1	.0062	.0070					
#2	.0036	.0054					
#3	.0035	.0037					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4647-01

Operator: RM

Run Time: 09/16/94 19:28:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	12.70	.0143	.1542	.0008	16.16	.0009
SDev	.0018	.09	.0042	.0010	.0001	.07	.0005
%RSD	226.2	.6880	29.70	.6672	8.729	.4466	58.30
#1	.0009	12.70	.0145	.1536	.0007	16.11	.0015
#2	-.0027	12.79	.0099	.1554	.0009	16.24	.0007
#3	-.0006	12.62	.0184	.1536	.0008	16.14	.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0034	.0099	.0092	9.048	2.241	2.475	.1054
SDev	.0012	.0028	.0035	.047	.034	.007	.0002
%RSD	34.48	28.08	38.02	.5232	1.499	.2694	.1930
#1	.0041	.0093	.0080	9.027	2.230	2.481	.1056
#2	.0020	.0074	.0065	9.102	2.214	2.476	.1054
#3	.0040	.0129	.0132	9.014	2.279	2.468	.1052
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0069	1.281	.0066	.0145	-.0022	-.0037	-.0175
SDev	.0045	.007	.0007	.0180	.0096	.0069	.0091
%RSD	65.19	.5478	10.14	123.8	435.7	186.9	52.17
#1	.0021	1.280	.0059	.0351	-.0021	.0029	-.0073
#2	.0110	1.288	.0067	.0018	-.0119	-.0031	-.0205
#3	.0076	1.274	.0073	.0067	.0074	-.0110	-.0249
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0142	.0251					
SDev	.0010	.0003					
%RSD	7.221	1.207					
#1	.0149	.0253					
#2	.0148	.0252					
#3	.0130	.0247					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0250					

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Low -.0500 -.0200

Analysis Report

QC Standard

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page 1

Method: CLPMO Sample Name: CCV

Operator: RM

Run Time: 09/16/94 19:36:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.052	20.22	1.007	20.34	.5042	.0125	.4973
SDev	.013	.28	.007	.38	.0037	.0066	.0055
%RSD	1.239	1.395	.6903	1.852	.7318	52.99	1.111
#1	1.046	20.03	1.002	20.12	.5013	.0200	.4926
#2	1.044	20.09	1.004	20.13	.5029	.0097	.4953
#3	1.067	20.55	1.015	20.77	.5084	.0077	.5034
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.968	.9927	2.530	9.971	.1901	-.0013	1.500
SDev	.043	.0088	.031	.097	.0139	.0040	.014
%RSD	.8668	.8870	1.209	.9682	7.331	315.1	.9131
#1	4.935	.9836	2.512	9.905	.2013	-.0004	1.490
#2	4.953	.9933	2.512	9.927	.1745	.0022	1.494
#3	5.017	1.001	2.565	10.08	.1945	-.0056	1.516
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.003	-.0321	3.943	.4915	.0123	5.020	.9821
SDev	.007	.0028	.027	.0296	.0096	.057	.0342
%RSD	.6767	8.819	.6745	6.033	78.15	1.144	3.481
#1	.9947	-.0300	3.925	.5249	.0226	4.978	.9522
#2	1.007	-.0310	3.932	.4683	.0106	4.996	.9748
#3	1.006	-.0353	3.974	.4813	.0036	5.086	1.019
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	5.025	1.997					
SDev	.054	.021					
%RSD	1.069	1.041					
#1	4.989	1.982					
#2	4.999	1.988					
#3	5.087	2.021					
Errors	QC Pass	QC Pass					
Value	5.000	2.000					
Range	10.00	10.00					

Analysis Report

QC Standard

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Range 10.00 10.00

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/16/94 19:43:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.026	.0080	-.0014	.0116	.0003	49.83	.0081
SDev	.004	.0229	.0131	.0044	.0001	.51	.0006
%RSD	.3463	287.8	906.6	37.81	25.86	1.026	7.201
#1	1.025	-.0185	-.0120	.0158	.0003	49.29	.0074
#2	1.030	.0205	-.0055	.0121	.0003	50.31	.0084
#3	1.023	.0219	.0132	.0070	.0002	49.89	.0085
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	.0027	.0034	.0083	50.53	50.55	-.0001
SDev	.0008	.0056	.0032	.0016	.48	.20	.0002
%RSD	33.21	208.5	93.38	18.94	.9428	.3905	175.2
#1	.0028	-.0036	-.0002	.0088	50.50	50.38	.0000
#2	.0028	.0044	.0059	.0095	51.02	50.77	.0000
#3	.0014	.0073	.0047	.0065	50.07	50.49	-.0004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	50.38	.0032	.0161	5.101	.0008	-.0089
SDev	.0015	.50	.0038	.0136	.024	.0136	.0239
%RSD	1079.	.9938	118.3	84.26	.4746	1700.	268.2
#1	-.0018	50.42	-.0001	.0028	5.116	-.0114	-.0315
#2	.0011	50.86	.0074	.0156	5.073	.0155	.0161
#3	.0003	49.86	.0024	.0300	5.115	-.0016	-.0114
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0042	.0048					
SDev	.0009	.0012					
%RSD	20.70	25.72					
#1	.0038	.0041					
#2	.0052	.0062					
#3	.0035	.0041					
Errors	NOCHECK	NOCHECK					

Analysis Report

QC Standard

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Range

Analysis Report

QC Standard

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page 1

Method: CLPMO Sample Name: CCB

Operator: RM

Run Time: 09/16/94 19:50:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042	.0143	.0082	.0017	.0001	.0322	.0000
SDev	.0026	.0104	.0107	.0004	.0000	.0154	.0012
%RSD	61.59	72.96	130.6	23.34	3.087	47.81	2843.
#1	.0021	.0058	-.0028	.0021	.0001	.0487	-.0013
#2	.0071	.0112	.0087	.0015	.0001	.0294	.0006
#3	.0033	.0260	.0187	.0014	.0001	.0183	.0008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	.0034	.0026	.0040	.0734	.0305	-.0005
SDev	.0012	.0031	.0020	.0009	.0254	.0126	.0001
%RSD	42.85	92.26	74.18	21.64	34.59	41.49	21.69
#1	.0016	-.0001	.0004	.0035	.0645	.0318	-.0006
#2	.0028	.0059	.0034	.0050	.0537	.0424	-.0006
#3	.0040	.0044	.0041	.0035	.1021	.0172	-.0004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	-.0039	.0031	.0053	-.0062	.0005	.0088
SDev	.0005	.0163	.0024	.0278	.0095	.0074	.0070
%RSD	57.79	416.6	79.21	522.1	153.8	1381.	79.70
#1	-.0014	-.0075	.0006	-.0248	-.0131	-.0058	.0024
#2	-.0006	.0139	.0055	.0110	-.0101	-.0012	.0077
#3	-.0006	-.0182	.0032	.0298	.0047	.0086	.0162
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0020	-.0010					
SDev	.0008	.0005					
%RSD	39.67	52.23					
#1	.0011	-.0004					
#2	.0027	-.0013					
#3	.0022	-.0013					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					
Range	.0200	.0200					

Analysis Report

QC Standard

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Range .0500 .0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4647-01R

Operator: RM

Run Time: 09/16/94 19:57:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	11.76	.0066	.1472	.0008	16.43	.0008
SDev	.0015	.05	.0013	.0010	.0000	.08	.0010
%RSD	334.3	.4422	18.78	.6721	4.521	.4586	130.3
#1	-.0020	11.75	.0081	.1467	.0008	16.37	-.0003
#2	.0009	11.71	.0058	.1465	.0009	16.41	.0010
#3	-.0001	11.81	.0061	.1483	.0008	16.52	.0016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0098	.0116	8.198	2.044	2.340	.1047
SDev	.0006	.0026	.0021	.033	.040	.018	.0004
%RSD	56.92	26.20	18.48	.4007	1.938	.7549	.4041
#1	.0013	.0071	.0095	8.182	2.058	2.320	.1046
#2	.0004	.0102	.0114	8.177	1.999	2.351	.1044
#3	.0016	.0122	.0138	8.236	2.074	2.349	.1052
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	1.158	.0072	.0033	-.0100	.0276	-.0161
SDev	.0019	.022	.0019	.0094	.0021	.0236	.0147
%RSD	162.9	1.943	26.70	281.0	21.03	85.43	91.09
#1	.0016	1.135	.0076	-.0039	-.0086	.0381	-.0246
#2	-.0009	1.180	.0052	-.0000	-.0091	.0006	.0008
#3	.0029	1.160	.0090	.0140	-.0124	.0441	-.0246
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0101	.0208					
SDev	.0033	.0000					
%RSD	33.02	.0861					
#1	.0063	.0208					
#2	.0116	.0208					
#3	.0124	.0208					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0250					

Analysis Report

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO

Sample Name: 4647-01S

Operator: RM

Run Time: 09/16/94 20:04:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0467	24.99	.0471	2.174	.0508	14.69	.0013
SDev	.0009	.10	.0062	.015	.0003	.10	.0006
%RSD	1.966	.4179	13.26	.6861	.5531	.6577	45.90
#1	.0457	24.96	.0414	2.179	.0505	14.63	.0009
#2	.0470	25.10	.0538	2.186	.0508	14.80	.0011
#3	.0475	24.90	.0460	2.157	.0510	14.64	.0020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5166	.2195	.2786	11.37	2.946	3.408	.6160
SDev	.0034	.0010	.0023	.04	.097	.018	.0022
%RSD	.6498	.4588	.8248	.3815	3.287	.5352	.3526
#1	.5170	.2184	.2783	11.35	2.942	3.388	.6148
#2	.5198	.2196	.2810	11.42	3.044	3.423	.6185
#3	.5131	.2204	.2764	11.35	2.851	3.412	.6146
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.011	1.077	.5176	.0495	.0679	.0298	-.0122
SDev	.009	.011	.0031	.0242	.0122	.0255	.0243
%RSD	.8916	1.034	.5958	48.75	17.93	85.46	199.4
#1	1.000	1.073	.5149	.0455	.0554	.0154	-.0048
#2	1.014	1.089	.5210	.0754	.0797	.0148	L-.0394
#3	1.017	1.068	.5171	.0277	.0686	.0592	.0076
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.5303	.5448					
SDev	.0024	.0034					
%RSD	.4526	.6260					
#1	.5278	.5416					
#2	.5326	.5444					
#3	.5305	.5484					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0250					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4647-01A

Operator: RM

Run Time: 09/16/94 20:12:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0450	14.64	2.019	2.130	.0495	15.90	.0507
SDev	.0019	.12	.021	.022	.0003	.08	.0014
%RSD	4.301	.7912	1.060	1.034	.5045	.4860	2.779
#1	.0429	14.76	2.039	2.155	.0497	15.99	.0518
#2	.0455	14.61	2.020	2.125	.0495	15.88	.0491
#3	.0467	14.54	1.996	2.112	.0492	15.84	.0513
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5094	.2088	.2649	9.966	2.167	2.414	.6086
SDev	.0002	.0010	.0021	.057	.041	.020	.0031
%RSD	.0445	.4983	.7960	.5767	1.871	.8458	.5010
#1	.5091	.2077	.2637	10.03	2.162	2.431	.6116
#2	.5094	.2097	.2673	9.958	2.129	2.391	.6087
#3	.5096	.2091	.2637	9.912	2.210	2.419	.6055
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.003	1.207	.5050	.5338	.5014	2.031	1.966
SDev	.005	.014	.0009	.0120	.0243	.039	.022
%RSD	.4957	1.197	.1824	2.247	4.847	1.941	1.134
#1	1.008	1.207	.5048	.5419	.4960	2.074	1.984
#2	1.004	1.192	.5042	.5394	.4803	2.022	1.941
#3	.9978	1.221	.5060	.5200	.5280	1.997	1.974
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.5183	.5297					
SDev	.0027	.0037					
%RSD	.5138	.6902					
#1	.5214	.5339					
#2	.5167	.5279					
#3	.5169	.5273					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low							

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO

Sample Name: 4647-02

Operator: RM

Run Time: 09/16/94 20:19:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0018	58.08	.0488	.5019	.0046	32.08	.0043
SDev	.0023	.33	.0093	.0033	.0001	.07	.0006
%RSD	128.2	.5660	19.02	.6520	2.314	.2259	13.63
#1	.0007	57.85	.0573	.5003	.0047	32.17	.0036
#2	-.0038	57.94	.0389	.4997	.0046	32.03	.0048
#3	-.0022	58.46	.0501	.5057	.0045	32.05	.0044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0164	.0342	.0388	47.56	8.036	9.646	.9296
SDev	.0029	.0021	.0047	.09	.103	.020	.0015
%RSD	17.55	6.238	12.27	.1966	1.281	.2112	.1580
#1	.0197	.0366	.0442	47.49	8.106	9.660	.9288
#2	.0146	.0330	.0357	47.52	7.918	9.623	.9286
#3	.0148	.0329	.0363	47.67	8.085	9.656	.9312
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	.5942	.0377	.0980	-.0149	.0129	L-.0406
SDev	.0016	.0145	.0044	.0137	.0118	.0328	.0142
%RSD	35.43	2.445	11.74	13.94	79.03	173.1	74.96
#1	.0052	.6110	.0404	.0841	-.0048	-.0003	L-.0290
#2	.0057	.5864	.0401	.0987	-.0120	.0003	L-.0565
#3	.0027	.5853	.0326	.1114	-.0279	.0568	L-.0364
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0691	.1799					
SDev	.0009	.0004					
%RSD	1.317	.2474					
#1	.0702	.1799					
#2	.0684	.1803					
#3	.0688	.1794					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO Sample Name: 4647-03

Operator: RM

Run Time: 09/16/94 20:26:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0026	36.78	.0367	.7362	.0027	208.2	.0026
SDev	.0018	.28	.0014	.0043	.0001	1.5	.0025
%RSD	69.26	.7481	3.695	.5800	2.967	.7357	95.23
#1	-.0038	36.85	.0375	.7368	.0027	208.5	.0015
#2	-.0034	36.48	.0373	.7316	.0026	206.5	.0008
#3	-.0005	37.02	.0351	.7401	.0027	209.5	.0054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0079	.0219	.0223	22.30	5.200	10.98	.2108
SDev	.0018	.0031	.0022	.18	.029	.10	.0015
%RSD	22.95	14.04	9.833	.8110	.5501	.9329	.7275
#1	.0099	.0193	.0248	22.33	5.220	11.00	.2110
#2	.0063	.0253	.0205	22.11	5.167	10.87	.2092
#3	.0075	.0212	.0217	22.47	5.213	11.07	.2122
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0013	1.207	.0269	.0403	L-.0323	-.0204	-.0027
SDev	.0049	.012	.0008	.0211	.0028	.0205	.0103
%RSD	369.0	1.035	2.898	52.37	8.682	100.4	379.6
#1	.0042	1.196	.0263	.0469	L-.0330	-.0143	.0029
#2	.0042	1.205	.0278	.0574	-.0293	L-.0433	-.0145
#3	-.0043	1.221	.0266	.0167	L-.0348	-.0037	.0035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avgc	.0376	.0970					
SDev	.0011	.0014					
%RSD	2.805	1.432					
#1	.0374	.0979					
#2	.0367	.0954					
#3	.0388	.0976					
Errors	LC Pass	LC Pass					
High	100.0	100.0					
Low							

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Low -.0500 -.0200

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page 1

Method: CLPMO Sample Name: PBS0913A

Operator: RM

Run Time: 09/16/94 20:33:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0220	H.0102	.0004	-.0000	.1475	.0003
SDev	.0028	.0148	.0017	.0001	.0001	.0408	.0005
%RSD	1270.	67.23	16.50	19.25	3624.	27.67	135.5
#1	.0011	.0367	H.0119	.0005	-.0000	.1904	.0002
#2	.0017	.0220	.0085	.0005	.0001	.1432	.0003
#3	-.0034	.0072	H.0102	.0003	-.0001	.1091	-.0001
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.2000	.0100	.2000	.0050	5.000	.0050
Low	-.0100	-.2000	-.0100	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0027	.0018	.0120	-.0306	-.0044	-.0001
SDev	.0012	.0005	.0014	.0056	.0530	.0113	.0002
%RSD	149.8	19.93	76.98	46.88	173.4	254.2	173.2
#1	-.0008	.0031	.0010	.0178	.0052	-.0040	.0000
#2	.0004	.0029	.0034	.0118	-.0055	.0066	-.0000
#3	-.0020	.0021	.0010	.0065	-.0915	-.0159	-.0004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Low	-.0500	-.0100	-.0250	-.1000	-5.000	-5.000	-.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0031	.0967	.0007	-.0126	-.0248	-.0013	-.0132
SDev	.0007	.0118	.0023	.0166	.0124	.0072	.0033
%RSD	23.62	12.24	315.2	132.0	49.87	570.5	24.77
#1	-.0023	.0952	.0027	-.0124	-.0390	.0022	-.0157
#2	-.0035	.1091	.0012	.0039	-.0163	.0035	-.0095
#3	-.0035	.0856	-.0018	-.0293	-.0191	-.0095	-.0143
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0200	5.000	.0400	.0500	.0600	.0600	.0500
Low	-.0200	-5.000	-.0400	-.0500	-.0600	-.0600	-.0500
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0008	.0000					
SDev	.0020	.0008					
%RSD	260.8	2065.					
#1	.0031	.0009					
#2	-.0005	-.0001					
#3	-.0003	-.0007					
Errors	LC Pass	LC Pass					
High	.0500	.0500					
Low	-.0500	-.0500					

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO Sample Name: LCSS0913A

Operator: RM

Run Time: 09/16/94 20:40:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5878	46.49	.9264	.7007	.2954	26.80	.7010
SDev	.0005	.19	.0091	.0038	.0014	.03	.0012
%RSD	.0869	.4071	.9839	.5386	.4719	.1036	.1755
#1	.5872	46.70	.9239	.7050	.2970	26.77	.6999
#2	.5881	46.33	.9365	.6985	.2943	26.83	.7007
#3	.5881	46.43	.9188	.6985	.2950	26.80	.7023
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.050	55.80	3.500	.8800	.3700	31.70	.8600
Low	.2900	19.30	.3500	.4500	.1700	15.80	.3600
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	.4848	.8996	79.86	40.26	29.58	1.550
SDev	.003	.0012	.0021	.15	.11	.08	.003
%RSD	.1299	.2474	.2376	.1878	.2807	.2623	.1945
#1	2.018	.4837	.9018	80.02	40.14	29.65	1.553
#2	2.013	.4861	.8976	79.72	40.37	29.49	1.547
#3	2.017	.4846	.8994	79.84	40.26	29.59	1.549
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.460	.6100	1.100	110.0	44.00	36.00	1.900
Low	1.120	.2600	.4800	49.30	20.90	16.10	.9700
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.138	3.894	1.241	.6270	.7661	.3514	.6464
SDev	.005	.027	.002	.0063	.0299	.0128	.0012
%RSD	.4096	.6903	.1442	1.005	3.906	1.500	3.281
#1	1.133	3.909	1.242	.6250	.7839	.8656	.6536
#2	1.141	3.910	1.239	.6220	.7829	.8409	.6219
#3	1.141	3.863	1.241	.6341	.7316	.8477	.6586
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.470	5.060	1.570	.7100	3.500	1.080	.9800
Low	.6400	1.800	.6400	.2700	.3200	.3600	.3100
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.9214	.9123					
SDev	.0025	.0064					
%RSD	.2697	.7048					
#1	.9243	.9193					
#2	.9196	.9067					
#3	.9205	.9108					
Errors	LC Pass	LC Pass					

Analysis Report

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Low .5600 .4500

Analysis Report

Fri 09-16-94 08:54:42 PM

page 1

Method: CLPMO Sample Name: 4605-01L

Operator: RM

Run Time: 09/16/94 20:47:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	6.296	.0155	.2303	.0007	2.283	.0025
SDev	.0028	.031	.0113	.0024	.0001	.004	.0011
%RSD	163.6	.4980	73.10	1.050	21.05	.1648	46.54
#1	.0041	6.271	.0219	.2287	.0008	2.284	.0029
#2	.0024	6.287	.0222	.2293	.0007	2.287	.0034
#3	-.0013	6.331	.0024	.2331	.0005	2.279	.0012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0048	.0086	.0470	8.043	1.277	1.587	.3264
SDev	.0022	.0039	.0024	.017	.043	.015	.0006
%RSD	46.10	45.98	5.143	.2166	3.402	.9206	.1899
#1	.0072	.0104	.0497	8.032	1.317	1.587	.3257
#2	.0040	.0113	.0461	8.035	1.231	1.603	.3265
#3	.0031	.0040	.0451	8.063	1.284	1.573	.3269
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0717	.0095	.0335	-.0171	.0102	-.0233
SDev	.0034	.0252	.0009	.0050	.0125	.0148	.0026
%RSD	522.1	35.19	9.739	14.85	73.16	145.0	11.23
#1	-.0001	.0781	.0088	.0392	-.0140	.0051	-.0245
#2	-.0043	.0931	.0092	.0315	-.0064	-.0014	-.0203
#3	.0025	.0439	.0106	.0298	L-.0308	.0269	L-.0251
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0217	.0284					
SDev	.0018	.0006					
%RSD	8.310	2.054					
#1	.0237	.0284					
#2	.0208	.0290					
#3	.0205	.0278					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

Analysis Report

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Low -.0500 -.0200

Analysis Report

Fri 09-16-94 09:01:49 PM

page 1

Method: CLPMO Sample Name: 4605-01

Operator: RM

Run Time: 09/16/94 20:54:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	32.33	.0402	1.179	.0026	11.70	.0035
SDev	.0015	.22	.0089	.006	.0000	.12	.0004
%RSD	165.8	.6750	22.02	.4731	1.464	1.067	11.77
#1	-.0008	32.08	.0448	1.172	.0026	11.56	.0036
#2	-.0024	32.40	.0300	1.182	.0026	11.72	.0030
#3	.0006	32.50	.0458	1.182	.0027	11.81	.0038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0217	.0319	.2457	40.92	6.570	8.130	1.686
SDev	.0022	.0040	.0032	.30	.129	.068	.011
%RSD	10.37	12.58	1.293	.7420	1.963	.8367	.6806
#1	.0191	.0273	.2420	40.59	6.443	8.054	1.673
#2	.0227	.0339	.2472	41.01	6.566	8.153	1.687
#3	.0233	.0346	.2478	41.18	6.701	8.184	1.696
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.5086	.0334	.0784	-.0185	.0088	L-.0633
SDev	.0019	.0086	.0018	.0042	.0173	.0115	.0070
%RSD	105.2	1.700	5.290	5.543	94.02	130.3	11.08
#1	.0023	.5072	.0323	.0785	-.0081	.0182	L-.0568
#2	-.0003	.5008	.0324	.0825	L-.0385	.0122	L-.0707
#3	.0036	.5179	.0354	.0741	-.0088	-.0040	L-.0623
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0932	.1444					
SDev	.0016	.0026					
%RSD	1.769	1.773					
#1	.0913	.1421					
#2	.0939	.1440					
#3	.0944	.1471					
Errors	LC Pass	LC Pass					
High	100.0	100.0					
Low	-.0100	-.0100					

Analysis Report

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Low -.0500 -.0200

Analysis Report

Fri 09-16-94 09:08:56 PM

page 1

Method: CLPMO Sample Name: 4605-01R

Operator: RM

Run Time: 09/16/94 21:01:52

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0041	37.91	.0524	1.354	.0026	12.22	.0045
SDev	.0033	.42	.0107	.020	.0000	.05	.0018
%RSD	80.61	1.120	20.43	1.495	.2463	.4034	39.50
#1	-.0070	38.25	.0458	1.373	.0026	12.17	.0048
#2	-.0047	38.05	.0467	1.357	.0026	12.27	.0025
#3	-.0005	37.43	.0648	1.332	.0026	12.23	.0060

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0204	.0301	.2467	43.61	7.026	9.006	1.791
SDev	.0013	.0068	.0010	.18	.295	.017	.009
%RSD	6.521	22.65	.3965	.4121	4.195	.1841	.5193
#1	.0196	.0236	.2463	43.74	6.793	9.023	1.798
#2	.0197	.0295	.2478	43.68	7.357	8.990	1.794
#3	.0219	.0372	.2460	43.40	6.927	9.006	1.780

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.6427	.0338	.0597	-.0168	.0033	L-.0928
SDev	.0015	.0297	.0046	.0418	.0141	.0117	.0114
%RSD	331.3	4.621	13.73	70.09	84.29	353.3	12.31
#1	.0020	.6110	.0286	.0121	-.0253	-.0055	L-.0894
#2	.0003	.6474	.0351	.0762	-.0245	-.0011	L-.1055
#3	-.0010	.6698	.0376	.0907	-.0005	.0165	L-.0835

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.1001	.1443
SDev	.0025	.0016
%RSD	2.486	1.130
#1	.0973	.1454
#2	.1008	.1451
#3	.1021	.1424

Errors	LC Pass	LC Pass
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Analysis Report

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Low -.0500 -.0200

Analysis Report

QC Standard

Fri 09-16-94 09:16:03 PM

page 1

Method: CLPMO

Sample Name: CCV

Operator: RM

Run Time: 09/16/94 21:09:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.072	20.77	1.011	21.01	.5103	.0078	.5024
SDev	.008	.14	.017	.18	.0043	.0030	.0055
%RSD	.7822	.6796	1.672	.8584	.8491	38.07	1.104
#1	1.081	20.94	1.030	21.22	.5147	.0097	.5061
#2	1.068	20.68	.9989	20.92	.5102	.0093	.5051
#3	1.066	20.71	1.003	20.90	.5060	.0044	.4960
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.066	1.007	2.581	10.18	.1440	-.0109	1.524
SDev	.041	.011	.018	.09	.0501	.0074	.013
%RSD	.8183	1.114	.6912	.9232	34.82	68.30	.8447
#1	5.107	1.015	2.601	10.28	.1058	-.0095	1.537
#2	5.066	1.011	2.575	10.17	.2007	-.0043	1.522
#3	5.025	.9940	2.567	10.10	.1254	-.0190	1.512
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.012	-.0414	4.002	.4698	-.0140	5.048	1.011
SDev	.009	.0016	.032	.0072	.0152	.053	.019
%RSD	.8662	3.950	.7945	1.524	108.3	1.054	1.862
#1	1.019	-.0428	4.036	.4775	.0031	5.097	.9907
#2	1.015	-.0396	3.999	.4688	-.0193	5.056	1.016
#3	1.002	-.0417	3.972	.4633	-.0258	4.992	1.028
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	5.127	2.026					
SDev	.044	.014					
%RSD	.8555	.6743					
#1	5.172	2.040					
#2	5.124	2.027					
#3	5.084	2.013					
Errors	QC Pass	QC Pass					
Value							
Range							

Analysis Report

QC Standard

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Range 10.00 10.00

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/16/94 21:16:08

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	.0170	-.0019	.0079	.0001	50.97	.0076
SDev	.005	.0151	.0161	.0039	.0001	.12	.0022
%RSD	.4521	89.03	831.3	49.10	52.15	.2344	28.67
#1	1.044	.0299	-.0168	.0116	.0002	50.88	.0052
#2	1.038	.0206	.0152	.0081	.0001	51.11	.0094
#3	1.048	.0004	-.0042	.0039	.0001	50.92	.0082
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0056	.0022	.0068	53.88	51.53	-.0003
SDev	.0020	.0026	.0040	.0022	.63	.10	.0004
%RSD	133.3	46.11	178.8	32.12	1.160	.2011	156.6
#1	.0025	.0029	-.0014	.0080	53.80	51.50	-.0004
#2	.0028	.0080	.0065	.0080	53.30	51.45	.0002
#3	-.0008	.0058	.0016	.0042	54.54	51.65	-.0006
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	53.84	.0029	.0044	5.170	.0041	.0325
SDev	.0028	.81	.0019	.0136	.032	.0106	.0149
%RSD	984.0	1.499	64.78	306.8	.6282	258.0	66.18
#1	-.0027	53.89	.0020	.0035	5.136	.0038	.0075
#2	.0028	53.01	.0050	.0185	5.176	.0148	.0372
#3	.0007	54.63	.0017	-.0087	5.200	-.0063	.0227
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0030	.0043					
SDev	.0008	.0020					
%RSD	25.10	47.28					
#1	.0037	.0041					
#2	.0022	.0064					
#3	.0030	.0023					
Errors	NOCHECK	NOCHECK					

Analysis Report

QC Standard

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Range

Analysis Report

QC Standard

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Page 1

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/16/94 21:23:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	.0161	.0052	.0020	.0000	.0246	.0008
SDev	.0005	.0258	.0031	.0008	.0001	.0072	.0001
%RSD	16.39	160.3	59.37	41.76	231.9	29.12	17.39
#1	.0033	.0394	.0024	.0021	Q-.0000	.0307	.0002
#2	.0036	-.0116	.0085	.0027	.0001	.0266	.0007
#3	.0026	.0206	.0047	.0011	Q-.0000	.0167	.0010
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.0010	.0010	.0010	.0010	.0010	.0010
Range		.0450	.1000	.0040	.0010	.2000	.0040
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0024	.0016	.0053	.0502	.0119	-.0005
SDev	.0006	.0024	.0016	.0011	.0358	.0135	.0001
%RSD	59.77	98.84	99.22	21.75	71.35	112.9	21.75
#1	.0007	.0047	.0004	.0065	.0107	.0146	-.0006
#2	.0005	-.0000	.0034	.0043	.0806	.0239	-.0006
#3	.0016	.0025	.0010	.0050	.0591	-.0027	-.0004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0070	.0050	.0030	.0300	.7500	.1000	.0020
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-.0335	.0011	.0015	-.0120	-.0115	-.0077
SDev	.0015	.0107	.0024	.0109	.0091	.0097	.0302
%RSD	175.5	31.97	220.7	736.9	75.19	84.24	261.3
#1	.0024	-.0225	-.0015	-.0108	-.0163	-.0139	.0026
#2	-.0006	-.0342	.0016	.0100	-.0016	-.0196	.0052
#3	.0007	-.0439	.0032	.0052	-.0182	-.0008	-.0310
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0050	.2000	.0080	.0330	.0400	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0016	-.0016					
SDev	.0019	.0004					
%RSD	118.7	22.95					
#1	.0021	-.0015					
#2	-.0005	-.0013					
#3	.0031	-.0020					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					
Range	.0050	.0050					

Analysis Report

QC Standard

Fri 09-16-94 09:30:21 PM

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Range .0080 .0050

Analysis Report

Fri 09-16-94 09:37:28 PM

page 1

Method: CLPMO

Sample Name: 4605-01S

Operator: RM

Run Time: 09/16/94 21:30:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0414	58.36	.0879	3.427	.0534	14.00	.0043
SDev	.0011	.54	.0086	.031	.0005	.13	.0016
%RSD	2.718	.9168	9.726	.9134	.9647	.9628	38.26
#1	.0416	58.96	.0956	3.463	.0539	14.15	.0028
#2	.0423	58.17	.0894	3.412	.0534	13.97	.0060
#3	.0401	57.94	.0787	3.406	.0529	13.88	.0041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5440	.2412	1.197	51.62	9.079	11.51	2.342
SDev	.0055	.0029	.010	.51	.040	.10	.025
%RSD	1.004	1.199	.8661	.9879	.4444	.8661	1.052
#1	.5498	.2423	1.209	52.17	9.078	11.61	2.375
#2	.5433	.2434	1.193	51.52	9.040	11.51	2.342
#3	.5390	.2379	1.190	51.16	9.120	11.41	2.326
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.008	1.097	.5488	.0959	.0435	.0091	L-.1062
SDev	.018	.015	.0048	.0043	.0211	.0049	.0041
%RSD	1.819	1.383	.8761	4.490	48.44	53.86	3.847
#1	1.016	1.080	.5535	.0996	.0604	.0142	L-.1052
#2	1.021	1.102	.5490	.0912	.0199	.0085	L-.1108
#3	.9870	1.109	.5438	.0971	.0502	.0045	L-.1028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.6390	.6792					
SDev	.0057	.0037					
%RSD	.8855	.5488					
#1	.6453	.6831					
#2	.6375	.6756					
#3	.6342	.6790					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-01A

Operator: RM

Run Time: 09/16/94 21:37:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0409	34.17	2.071	3.214	.0518	11.56	.0542
SDev	.0031	.14	.006	.014	.0001	.04	.0015
%RSD	7.508	.4129	.3035	.4449	.1587	.3880	2.635
#1	.0409	34.22	2.066	3.218	.0519	11.55	.0545
#2	.0440	34.01	2.078	3.198	.0518	11.61	.0526
#3	.0379	34.27	2.068	3.225	.0518	11.52	.0555
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5385	.2338	.5056	41.32	6.727	7.989	2.175
SDev	.0018	.0025	.0026	.05	.033	.016	.005
%RSD	.3388	1.060	.5213	.1257	.4899	.2019	.2189
#1	.5393	.2345	.5071	41.34	6.735	8.003	2.177
#2	.5399	.2359	.5026	41.37	6.691	7.992	2.178
#3	.5364	.2311	.5071	41.27	6.756	7.972	2.169
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.014	.5243	.5351	.5948	.5111	2.042	1.924
SDev	.003	.0189	.0062	.0103	.0050	.021	.034
%RSD	.2696	3.611	1.150	1.732	.9682	1.028	1.766
#1	1.011	.5446	.5414	.5829	.5060	2.034	1.943
#2	1.016	.5072	.5346	.6001	.5113	2.027	1.945
#3	1.015	.5211	.5291	.6014	.5159	2.066	1.885
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.6100	.6568					
SDev	.0004	.0042					
%RSD	.0632	.6461					
#1	.6096	.6595					
#2	.6104	.6590					
#3	.6099	.6519					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-02

Operator: RM

Run Time: 09/16/94 21:44:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0065	136.9	.0542	2.904	.0072	44.79	.0046
SDev	.0028	.5	.0150	.006	.0001	.41	.0006
%RSD	43.08	.3323	27.65	.2192	1.029	.9153	11.94
#1	-.0093	136.4	.0406	2.898	.0071	44.40	.0041
#2	-.0066	137.3	.0702	2.911	.0072	45.22	.0046
#3	-.0037	137.1	.0517	2.903	.0072	44.77	.0052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0495	.0610	.0537	86.16	8.435	16.45	2.627
SDev	.0012	.0041	.0017	.62	.076	.10	.016
%RSD	2.448	6.790	3.158	.7228	.9022	.6262	.6222
#1	.0503	.0592	.0518	85.53	8.353	16.34	2.611
#2	.0500	.0657	.0552	86.77	8.449	16.54	2.643
#3	.0481	.0581	.0540	86.18	8.503	16.46	2.627
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0071	5.975	.0582	.1077	L-.0364	.0006	L-.1129
SDev	.0013	.029	.0050	.0393	.0135	.0190	.0054
%RSD	18.25	.4779	8.652	36.48	37.08	3178.	4.815
#1	.0058	5.945	.0524	.0636	L-.0453	.0195	L-.1075
#2	.0071	5.979	.0609	.1206	-.0209	.0007	L-.1184
#3	.0084	6.002	.0614	.1389	L-.0429	-.0184	L-.1127
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1505	.1397					
SDev	.0032	.0021					
%RSD	2.136	1.480					
#1	.1471	.1373					
#2	.1535	.1411					
#3	.1510	.1406					
Errors	LC Pass	LC Pass					
High							
Low							

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-03

Operator: RM

Run Time: 09/16/94 21:52:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034	14.57	.0420	.5248	.1723	15.28	.0015
SDev	.0013	.04	.0090	.0021	.0010	.08	.0006
%RSD	36.90	.3051	21.45	.3966	.5983	.4943	32.22
#1	.0048	14.54	.0324	.5226	.1712	15.30	.0009
#2	.0023	14.55	.0502	.5249	.1725	15.20	.0012
#3	.0031	14.62	.0434	.5268	.1732	15.35	.0020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107	.0981	2.666	25.49	2.201	4.377	.4936
SDev	.0018	.0034	.018	.12	.061	.018	.0024
%RSD	17.02	3.442	.6816	.4756	2.771	.4072	.4769
#1	.0122	.1016	2.647	25.40	2.244	4.364	.4920
#2	.0087	.0948	2.667	25.44	2.131	4.369	.4924
#3	.0111	.0980	2.683	25.63	2.228	4.397	.4963
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.4409	.0774	.9108	-.0041	-.0104	-.0275
SDev	.0017	.0193	.0020	.0267	.0106	.0059	.0076
%RSD	87.98	4.389	2.606	2.935	257.4	56.60	27.73
#1	.0022	.4612	.0780	.9328	-.0163	-.0121	-.0200
#2	.0001	.4227	.0751	.8811	.0007	-.0152	-.0352
#3	.0035	.4387	.0790	.9184	.0033	-.0038	-.0273
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0376	.2917					
SDev	.0008	.0003					
%RSD	2.178	.0933					
#1	.0372	.2914					
#2	.0371	.2920					
#3	.0386	.2917					
Errors	LC Pass	LC Pass					

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Analysis Report

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Method: CLPMO Sample Name: 4605-04

Operator: RM

Run Time: 09/16/94 21:59:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	85.00	.0869	1.254	.0114	14.50	.0006
SDev	.0020	.44	.0189	.008	.0000	.06	.0011
%RSD	105.6	.5130	21.77	.6401	.3458	.4192	173.8
#1	-.0026	84.52	.1081	1.245	.0113	14.54	.0000
#2	.0004	85.11	.0808	1.257	.0114	14.57	.0018
#3	-.0034	85.38	.0718	1.260	.0114	14.66	-.0000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0385	.0464	.6834	74.71	10.43	12.96	2.360
SDev	.0001	.0007	.0041	.44	.11	.07	.012
%RSD	.2218	1.500	.5980	.5849	1.065	.5021	.5219
#1	.0384	.0456	.6788	74.29	10.34	12.90	2.350
#2	.0386	.0465	.6852	74.68	10.56	12.96	2.358
#3	.0384	.0470	.6864	75.16	10.40	13.03	2.374
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0071	.7244	.0544	.1274	L-.0369	.0058	L-.0990
SDev	.0053	.0187	.0020	.0074	.0174	.0170	.0043
%RSD	73.80	2.575	3.687	5.835	47.04	293.4	4.392
#1	.0013	.7330	.0541	.1344	-.0283	.0229	L-.1007
#2	.0115	.7373	.0565	.1196	-.0255	-.0111	L-.1022
#3	.0086	.7030	.0525	.1281	L-.0569	.0056	L-.0940
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1187	.2413					
SDev	.0013	.0026					
%RSD	1.127	1.088					
#1	.1181	.2384					
#2	.1179	.2418					
#3	.1203	.2436					
Errors	LC Pass	LC Pass					

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Analysis Report

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page 1

Method: CLPMO

Sample Name: 4605-05

Operator: RM

Run Time: 09/16/94 22:06:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	85.38	.0786	3.957	.0052	12.05	.0028
SDev	.0021	.41	.0067	.025	.0001	.05	.0012
%RSD	145.0	.4785	8.537	.6344	1.298	.4471	41.82
#1	-.0004	85.13	.0724	3.934	.0051	12.06	.0019
#2	.0010	85.85	.0857	3.983	.0053	12.10	.0023
#3	.0036	85.15	.0776	3.953	.0052	11.99	.0041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0305	.0385	36.61	61.36	8.091	8.821	1.883
SDev	.0008	.0040	.17	.22	.214	.038	.007
%RSD	2.531	10.25	.4529	.3619	2.640	.4345	.3752
#1	.0300	.0404	36.49	61.41	7.851	8.813	1.886
#2	.0300	.0340	36.80	61.55	8.260	8.862	1.888
#3	.0314	.0412	36.54	61.12	8.163	8.787	1.875
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0020
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	.8068	.2720	.2891	L-.0302	.0021	L-.0001
SDev	.0025	.0342	.0008	.0120	.0164	.0216	.0095
%RSD	58.01	4.238	.2985	4.147	54.30	1028.	10.65
#1	.0015	.7683	.2710	.2752	L-.0360	.0105	L-.0732
#2	.0053	.8186	.2723	.2957	L-.0429	.0182	L-.0897
#3	.0061	.8336	.2725	.2963	-.0117	-.0225	L-.0775
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0894	1.466					
SDev	.0012	.002					
%RSD	1.355	.1671					
#1	.0881	1.469					
#2	.0905	1.464					
#3	.0897	1.465					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0250					

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-06

Operator: RM

Run Time: 09/16/94 22:13:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ce3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0035	88.75	.0485	.6580	.0073	14.57	.0043
SDev	.0016	.59	.0130	.0053	.0000	.04	.0008
%RSD	44.44	.6631	26.81	.8106	.5969	.2677	19.79

#1	-.0021	88.24	.0384	.6539	.0073	14.52	.0050
#2	-.0033	89.40	.0439	.6640	.0074	14.58	.0046
#3	-.0052	88.62	.0632	.6560	.0073	14.59	.0033

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2236	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0240	.0570	.0463	57.09	9.851	16.13	1.486
SDev	.0011	.0016	.0021	.23	.078	.05	.007
%RSD	4.671	2.880	4.621	.4089	.7871	.3027	.4728

#1	.0228	.0571	.0485	56.83	9.786	16.08	1.478
#2	.0242	.0553	.0461	57.28	9.937	16.17	1.492
#3	.0250	.0586	.0442	57.16	9.829	16.15	1.487

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0078	5.128	.0500	.0759	-.0153	-.0151	L-.0604
SDev	.0021	.041	.0029	.0079	.0072	.0066	.0119
%RSD	26.81	.7899	5.847	10.42	46.83	43.87	19.74

#1	.0088	5.110	.0476	.0850	-.0201	-.0145	L-.0730
#2	.0054	5.175	.0492	.0713	-.0189	-.0219	L-.0493
#3	.0092	5.100	.0533	.0713	-.0071	-.0087	L-.0589

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0922	.1308
SDev	.0014	.0028
%RSD	1.537	2.123

#1	.0921	.1285
#2	.0908	.1301
#3	.0936	.1339

Errors	LC Pass	LC Pass
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Analysis Report

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Method: CLPMO Sample Name: 4605-07

Operator: RM

Run Time: 09/16/94 22:20:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0039	82.53	.0904	1.156	.0048	11.97	.0037
SDev	.0019	.68	.0096	.012	.0000	.04	.0016
%RSD	50.17	.8188	10.58	1.016	.7963	.3466	44.20

#1	-.0058	82.86	.0807	1.161	.0048	11.95	.0026
#2	-.0019	81.75	.0999	1.142	.0048	11.95	.0055
#3	-.0039	82.98	.0905	1.164	.0048	12.02	.0028

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0354	.0550	.0424	80.21	7.795	12.72	1.975
SDev	.0024	.0054	.0028	.35	.063	.06	.008
%RSD	6.859	9.783	6.578	.4339	.8081	.4416	.4007

#1	.0334	.0488	.0400	80.16	7.749	12.68	1.974
#2	.0381	.0584	.0454	79.89	7.770	12.70	1.968
#3	.0349	.0578	.0418	80.58	7.867	12.79	1.984

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050	.8956	.0450	.0956	-.0003	.0012	L-.0787
SDev	.0015	.0317	.0033	.0114	.0017	.0139	.0260
%RSD	30.08	3.536	7.248	11.87	573.0	1203.	33.10

#1	.0063	.8806	.0413	.0907	-.0023	-.0052	L-.1088
#2	.0055	.9320	.0472	.1086	.0006	.0171	L-.0629
#3	.0034	.8742	.0466	.0875	.0007	-.0084	L-.0644

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avg	.1449	.1380
SDev	.0010	.0020
%RSD	.6728	1.473

#1	.1443	.1371
#2	.1460	.1366
#3	.1444	.1404

Errors	LC Pass	LC Pass
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Analysis Report

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Low -.0500 -.0200

Analysis Report

Fri 09-16-94 10:34:52 PM

page 1

Method: CLPMO Sample Name: 4605-08

Operator: RM

Run Time: 09/16/94 22:27:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0038	68.21	.0675	1.069	.0047	15.20	.0151
SDev	.0007	.20	.0062	.002	.0001	.05	.0022
%RSD	18.09	.2992	9.191	.2018	.9709	.3509	14.57
#1	-.0036	68.29	.0604	1.070	.0046	15.20	.0142
#2	-.0032	67.98	.0712	1.067	.0046	15.15	.0135
#3	-.0046	68.37	.0710	1.071	.0047	15.26	.0176
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0265	.0429	.2089	63.23	12.90	12.58	1.617
SDev	.0021	.0033	.0040	.21	.12	.06	.005
%RSD	7.755	7.635	1.927	.3377	.9153	.4465	.3230
#1	.0242	.0393	.2043	63.25	12.76	12.61	1.619
#2	.0277	.0457	.2104	63.01	12.96	12.52	1.611
#3	.0277	.0438	.2119	63.44	12.97	12.63	1.621
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.5957	.0424	.4896	-.0045	.0025	L-.0049
SDev	.0035	.0106	.0042	.0071	.0204	.0143	.0031
%RSD	149.1	1.772	9.887	1.456	448.0	559.2	3.648
#1	-.0015	.5907	.0376	.4961	-.0206	-.0133	L-.0818
#2	.0053	.5885	.0441	.4908	-.0114	.0142	L-.0280
#3	.0032	.6078	.0455	.4820	.0183	.0067	L-.0849
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1196	.2076					
SDev	.0019	.0017					
%RSD	1.627	.8319					
#1	.1215	.2093					
#2	.1198	.2058					
#3	.1176	.2076					
Errors	LC Pass	LC Pass					
High	100.0	100.0					
Low	-.0100	-.0100					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-09

Operator: RM

Run Time: 09/16/94 22:34:56

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0197	62.85	.0689	.8141	.0065	9.527	.0049
SDev	.0015	.25	.0109	.0052	.0000	.033	.0009
%RSD	7.436	.4025	15.76	.6321	.6048	.3462	18.06
#1	.0207	62.56	.0742	.8081	.0065	9.535	.0057
#2	.0204	63.04	.0564	.8170	.0066	9.555	.0052
#3	.0180	62.96	.0761	.8170	.0065	9.491	.0039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0379	.0450	.1983	66.17	10.51	9.627	2.590
SDev	.0006	.0005	.0013	.20	.08	.049	.009
%RSD	1.631	1.125	.6389	.3083	.7454	.5091	.3439
#1	.0384	.0445	.1979	66.02	10.43	9.611	2.583
#2	.0381	.0455	.1973	66.40	10.52	9.681	2.600
#3	.0372	.0451	.1997	66.08	10.59	9.587	2.586
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036	.4241	.0415	.1324	-.0241	.0006	L-.0056
SDev	.0017	.0040	.0019	.0133	.0141	.0343	.0198
%RSD	47.47	.9552	4.586	10.03	58.44	5972.	23.14
#1	.0016	.4259	.0411	.1329	-.0102	.0190	L-.0807
#2	.0046	.4269	.0436	.1453	L-.0384	.0217	L-.0686
#3	.0046	.4195	.0399	.1188	-.0238	L-.0390	L-.1074
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1351	.1865					
SDev	.0008	.0003					
%RSD	.5533	.1769					
#1	.1342	.1868					
#2	.1357	.1863					
#3	.1353	.1862					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

QC Standard

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page 1

Method: CLPMO Sample Name: CCV

Operator: RM

Run Time: 09/16/94 22:42:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2035
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.077	20.81	1.015	21.15	.5140	.0056	.5063
SDev	.002	.01	.010	.05	.0006	.0013	.0012
%RSD	.1603	.0462	.9545	.2129	.1136	31.89	.3538
#1	1.077	20.81	1.026	21.14	.5143	.0044	.5043
#2	1.075	20.82	1.012	21.19	.5133	.0077	.5075
#3	1.079	20.81	1.007	21.11	.5143	.0042	.5072
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.111	1.012	2.589	10.26	.1287	-.0102	1.541
SDev	.015	.003	.002	.02	.0389	.0133	.002
%RSD	.2988	.3230	.0823	.1866	30.23	123.2	.1372
#1	5.098	1.009	2.590	10.25	.0838	-.0240	1.539
#2	5.106	1.014	2.590	10.25	.1487	.0025	1.540
#3	5.127	1.014	2.586	10.28	.1535	-.0107	1.543
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.023	-.0485	4.042	.4990	-.0065	5.093	1.017
SDev	.002	.0063	.017	.0111	.0165	.026	.010
%RSD	.1681	12.93	.4114	2.223	254.0	.5148	.9600
#1	1.025	-.0556	4.030	.4965	.0018	5.064	1.006
#2	1.022	-.0439	4.034	.4894	-.0255	5.101	1.025
#3	1.022	-.0460	4.061	.5112	.0042	5.115	1.020
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	5.168	2.036					
SDev	.010	.005					
%RSD	.1842	.2526					
#1	5.160	2.037					
#2	5.165	2.031					
#3	5.178	2.041					
Errors	QC Pass	QC Pass					
Value							
Range							

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QC Standard

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Range 10.00 10.00

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/16/94 22:49:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.049	.0151	.0059	.0095	.0002	51.51	.0038
SDev	.002	.0106	.0061	.0049	.0002	.45	.0018
%RSD	.1999	70.07	103.2	51.86	90.32	.8831	20.19
#1	1.048	.0231	.0120	.0145	.0004	51.82	.0107
#2	1.051	.0192	-.0002	.0093	.0001	51.65	.0071
#3	1.047	.0031	.0059	.0047	.0001	51.00	.0087
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0045	.0051	.0103	54.60	52.02	-.0003
SDev	.0036	.0064	.0058	.0060	.43	.26	.0006
%RSD	225.1	142.9	114.1	58.53	.7961	.5041	230.7
#1	.0051	.0116	.0108	.0163	54.10	52.15	.0004
#2	.0016	.0023	.0053	.0103	54.84	52.19	-.0004
#3	-.0020	-.0006	-.0008	.0043	54.86	51.72	-.0008
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	54.75	.0031	-.0018	5.199	.0151	-.0079
SDev	.0037	.70	.0031	.0101	.004	.0136	.0136
%RSD	1139000.	1.285	100.3	550.4	.0785	90.24	170.3
#1	.0041	53.94	.0065	.0083	5.195	.0165	-.0117
#2	-.0010	55.13	.0025	-.0019	5.200	.0279	-.0193
#3	-.0031	55.19	.0004	-.0118	5.203	.0008	.0072
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0043	.0051					
SDev	.0026	.0014					
%RSD	59.49	27.33					
#1	.0064	.0060					
#2	.0050	.0058					
#3	.0014	.0035					
Errors	NOCHECK	NOCHECK					

Analysis Report

QC Standard

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Range

Method: CLPMO Sample Name: CCB

Operator: RM

Run Time: 09/16/94 22:56:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	0.0479	.0022	0.0071	0-.0000	.0382	.0003
SDev	.0033	.0056	.0117	.0015	.0000	.0209	.0017
%RSD	838.5	11.65	542.0	21.12	145.0	54.59	611.9
#1	-.0025	.0435	.0012	0.0087	0-.0000	.0615	-.0009
#2	.0041	0.0542	.0143	0.0069	0-.0000	.0319	.0022
#3	-.0004	0.0461	-.0090	0.0057	0-.0001	.0212	-.0005
Errors	NOCHECK	QC Fail	QC Pass	QC Fail	QC Fail	QC Pass	QC Pass
Value		.0010	.0010	.0010	.0010	.0010	.0010
Range		.0450	.1000	.0040	.0010	.2000	.0040
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0003	-.0006	0.0531	-.0089	.0186	-.0001
SDev	.0014	.0022	.0036	.0020	.0833	.0322	.0004
%RSD	2314000.	647.3	585.9	3.751	931.7	173.5	313.2
#1	-.0009	-.0015	0-.0032	0.0554	-.0430	.0273	.0000
#2	.0016	.0027	.0034	0.0516	.0860	.0451	.0002
#3	-.0006	-.0002	0-.0020	0.0523	-.0699	-.0173	-.0006
Errors	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0070	.0050	.0030	.0300	.7500	.1000	.0020
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	-.0275	-.0000	.0156	.0046	.0143	.0013
SDev	.0023	.0244	.0036	.0129	.0144	.0027	.0027
%RSD	227.4	88.87	15470.	82.83	309.6	13.29	250.8
#1	-.0018	-.0139	-.0038	.0266	.0081	.0147	.0020
#2	.0016	-.0128	.0033	.0189	.0170	.0173	-.0025
#3	-.0027	-.0556	.0004	.0014	-.0111	.0119	.0035
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0050	.2000	.0080	.0330	.0400	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0019	.0021					
SDev	.0009	.0006					
%RSD	49.61	26.74					
#1	.0009	.0015					
#2	.0028	.0026					
#3	.0020	.0022					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					
Range	.0010	.0010					

Analysis Report

QC Standard

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Range .0080 .0050

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-10

Operator: RM

Run Time: 09/16/94 23:03:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	17.92	.0339	.2746	.0020	7.512	.0030
SDev	.0021	.14	.0108	.0023	.0001	.056	.0003
%RSD	88.52	.7939	31.89	.8399	3.482	.7468	9.329

#1	-.0002	18.07	.0339	.2768	.0020	7.570	.0028
#2	-.0043	17.91	.0231	.2747	.0019	7.458	.0033
#3	-.0026	17.78	.0446	.2722	.0020	7.509	.0029

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-.5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0082	.0122	.0414	28.53	3.547	3.242	1.195
SDev	.0023	.0054	.0034	.21	.044	.022	.009
%RSD	28.07	44.14	8.265	.7448	1.234	.6664	.7530

#1	.0075	.0110	.0406	28.78	3.517	3.259	1.205
#2	.0063	.0076	.0384	28.38	3.527	3.218	1.190
#3	.0108	.0182	.0451	28.44	3.597	3.250	1.189

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.4262	.0109	.0673	-.0221	.0068	L-.0663
SDev	.0015	.0059	.0049	.0329	.0047	.0069	.0071
%RSD	77.59	1.383	45.00	48.89	21.39	101.2	10.76

#1	.0024	.4195	.0075	.0312	-.0186	.0084	L-.0746
#2	.0003	.4291	.0087	.0751	-.0275	-.0007	L-.0626
#3	.0033	.4302	.0165	.0956	-.0203	.0127	L-.0618

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0318	.1391
SDev	.0009	.0018
%RSD	2.837	1.313

#1	.0314	.1380
#2	.0312	.1380
#3	.0328	.1412

Errors	LC Pass	LC Pass
High	100.0	10.00
Low	-.0100	-.0250

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-11

Operator: RM

Run Time: 09/16/94 23:10:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0053	91.96	.0577	.9756	.0052	15.59	.0048
SDev	.0030	.93	.0172	.0132	.0000	.09	.0013
%RSD	56.39	1.007	29.78	1.354	.0825	.5861	26.51
#1	-.0036	91.13	.0489	.9642	.0052	15.54	.0052
#2	-.0087	92.96	.0467	.9901	.0052	15.53	.0033
#3	-.0035	91.79	.0775	.9724	.0052	15.70	.0058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0283	.0440	.0393	57.45	11.47	11.52	1.484
SDev	.0016	.0049	.0027	.30	.08	.05	.006
%RSD	5.568	11.22	6.773	.5158	.7180	.4617	.3836
#1	.0280	.0465	.0400	57.11	11.41	11.47	1.478
#2	.0268	.0383	.0363	57.57	11.57	11.50	1.497
#3	.0300	.0473	.0415	57.66	11.44	11.58	1.488
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1002
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.6663	.0426	.0662	-.0042	-.0025	L-.0027
SDev	.0011	.0269	.0029	.0343	.0106	.0113	.0706
%RSD	55.55	4.038	6.893	51.77	253.3	458.7	37.04
#1	.0033	.6773	.0448	.0654	.0021	-.0116	L-.0628
#2	.0016	.6356	.0392	.0323	-.0164	-.0060	L-.1180
#3	.0012	.6859	.0437	.1008	.0018	.0102	L-.0673
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1031	.1159					
SDev	.0017	.0005					
%RSD	1.650	.4405					
#1	.1049	.1163					
#2	.1015	.1153					
#3	.1028	.1160					
Errors	LC Pass	LC Pass					

Analysis Report

Fri 09-16-94 11:17:46 PM

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Low -.0500 -.0200

Analysis Report

Fri 09-16-94 11:24:53 PM

page 1

Method: CLPM0 Sample Name: 4605-12

Operator: RM

Run Time: 09/16/94 23:17:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0037	34.73	.0481	.4990	.0032	6.844	.0033
SDev	.0005	.32	.0091	.0050	.0001	.028	.0003
%RSD	12.23	.9173	18.86	.9916	2.206	.4027	8.728

#1	-.0036	34.63	.0503	.4974	.0031	6.842	.0036
#2	-.0042	35.08	.0382	.5045	.0032	6.873	.0034
#3	-.0033	34.47	.0559	.4950	.0032	6.818	.0030

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0174	.0231	.0754	41.19	6.247	5.496	1.486
SDev	.0007	.0017	.0026	.24	.038	.042	.0007
%RSD	3.855	7.481	3.481	.5930	.6106	.7664	.5786

#1	.0173	.0251	.0759	41.11	6.206	5.464	1.484
#2	.0167	.0219	.0725	41.47	6.281	5.543	1.496
#3	.0181	.0223	.0777	41.00	6.254	5.480	1.480

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.4715	.0220	.1026	-.0129	-.0020	L-.0765
SDev	.0026	.0233	.0013	.0131	.0108	.0150	.0074
%RSD	81.57	4.932	5.969	12.72	83.03	734.2	9.693

#1	.0019	.4505	.0228	.0906	-.0229	.0066	L-.0847
#2	.0015	.4676	.0205	.1165	-.0144	.0066	L-.0745
#3	.0061	.4965	.0226	.1007	-.0015	-.0194	L-.0702

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0609	.1505
SDev	.0008	.0009
%RSD	1.332	.5929

#1	.0602	.1498
#2	.0608	.1515
#3	.0618	.1501

Errors	LC Pass	LC Pass
High	100.0	100.0
Low	-.0100	-.0100

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Low -.0500 -.0200

Analysis Report

Fri 09-16-94 11:32:01 PM

page 1

Method: CLPMO Sample Name: 4605-13

Operator: RM

Run Time: 09/16/94 23:24:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	27.33	.0316	.2402	.0042	5.407	.0011
SDev	.0004	.12	.0069	.0016	.0000	.014	.0003
%RSD	21.49	.4516	21.70	.6613	.9804	.2640	23.17
#1	-.0020	27.20	.0265	.2385	.0043	5.394	.0014
#2	-.0016	27.35	.0289	.2405	.0042	5.423	.0010
#3	-.0025	27.44	.0394	.2416	.0043	5.405	.0008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0079	.0204	.0665	31.77	3.470	4.343	.8608
SDev	.0007	.0010	.0007	.14	.043	.021	.0040
%RSD	8.668	4.825	1.056	.4295	1.239	.4918	.4701
#1	.0075	.0202	.0661	31.61	3.427	4.320	.8561
#2	.0087	.0215	.0674	31.85	3.513	4.363	.8632
#3	.0075	.0196	.0661	31.85	3.470	4.346	.8630
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.5539	.0267	.0862	L-.0300	-.0216	L-.0437
SDev	.0011	.0156	.0007	.0301	.0156	.0088	.0094
%RSD	237.0	2.815	2.466	34.95	52.05	40.55	13.90
#1	-.0004	.5521	.0259	.0670	L-.0346	-.0176	L-.0329
#2	.0001	.5703	.0272	.1210	-.0126	-.0156	L-.0562
#3	.0018	.5393	.0269	.0707	L-.0429	-.0316	L-.0540
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0401	.1312					
SDev	.0007	.0007					
%RSD	1.737	.5093					
#1	.0393	.1313					
#2	.0405	.1317					
#3	.0405	.1304					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

Fri 09-16-94 11:39:09 PM

page 1

Method: CLPMO Sample Name: 4605-14

Operator: RM

Run Time: 09/16/94 23:32:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	22.20	.0585	.3971	.0814	8.857	.0028
SDev	.0016	.21	.0008	.0035	.0007	.065	.0006
%RSD	44.23	.9346	1.283	.8749	.8523	.7340	22.00

#1	.0055	21.97	.0583	.3931	.0806	8.787	.0033
#2	.0033	22.37	.0578	.3990	.0820	8.915	.0021
#3	.0023	22.27	.0593	.3992	.0816	8.868	.0030

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0087	.0468	19.62	27.21	3.326	4.118	.6671
SDev	.0002	.0015	.19	.21	.052	.018	.0062
%RSD	2.583	3.173	.9808	.7536	1.570	.4263	.9268

#1	.0090	.0485	19.40	26.98	3.339	4.098	.6604
#2	.0087	.0458	19.75	27.37	3.269	4.132	.6725
#3	.0086	.0462	19.72	27.28	3.371	4.125	.6683

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	.4255	.0475	H6.339	.0409	.0149	L-.0366
SDev	.0024	.0211	.0032	.069	.0128	.0127	.0057
%RSD	64.15	4.968	6.687	1.096	31.32	84.76	15.52

#1	.0057	.4483	.0506	H6.282	.0464	.0091	L-.0372
#2	.0011	.4066	.0477	H6.416	.0262	.0295	L-.0420
#3	.0045	.4216	.0442	H6.319	.0500	.0063	L-.0307

Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0399	.3396
SDev	.0007	.0028
%RSD	1.643	.8353

#1	.0398	.3363
#2	.0406	.3411
#3	.0393	.3412

Errors	LC Pass	LC Pass
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Analysis Report

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Low -.0500 -.0200

Analysis Report

Fri 09-16-94 11:46:16 PM

page 1

Method: CLPMO Sample Name: 4605-15

Operator: RM

Run Time: 09/16/94 23:39:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	22.35	.0333	.5134	.0490	8.878	.0016
SDev	.0025	.07	.0092	.0031	.0001	.009	.0003
%RSD	487.5	.3013	27.46	.6041	.0929	.1001	18.98

#1	-.0001	22.35	.0303	.5119	.0490	8.888	.0015
#2	.0033	22.28	.0261	.5113	.0490	8.875	.0013
#3	-.0016	22.42	.0436	.5170	.0491	8.871	.0019

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063	.0331	4.808	27.21	3.499	4.211	.7190
SDev	.0001	.0057	.019	.03	.041	.016	.0005
%RSD	2.347	17.37	.3892	.1233	1.173	.3760	.0711

#1	.0065	.0322	4.802	27.19	3.544	4.229	.7194
#2	.0063	.0392	4.793	27.19	3.463	4.204	.7184
#3	.0062	.0278	4.829	27.25	3.490	4.200	.7190

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	.4537	.0389	.3808	-.0043	-.0057	L-.0542
SDev	.0026	.0158	.0019	.0081	.0230	.0143	.0145
%RSD	116.8	3.490	4.850	2.125	529.2	251.6	26.94

#1	-.0002	.4612	.0370	.3849	-.0069	-.0222	L-.0377
#2	.0049	.4644	.0408	.3859	.0198	.0038	L-.0527
#3	.0019	.4355	.0391	.3714	-.0260	.0012	L-.0651

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avg	.0330	.3307
SDev	.0019	.0014
%RSD	5.797	.4157

#1	.0338	.3322
#2	.0343	.3296
#3	.0308	.3301

Errors	LC Pass	LC Pass
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Analysis Report

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Low -.0500 -.0200

Analysis Report

Fri 09-16-94 11:53:24 PM

page 1

Method: CLPMO Sample Name: 4605-16

Operator: RM

Run Time: 09/16/94 23:46:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0058	95.22	.0596	1.220	.0062	12.39	.0048
SDev	.0016	.52	.0082	.008	.0000	.07	.0001
%RSD	27.30	.5424	13.71	.6705	.6335	.5393	1.620
#1	-.0045	95.66	.0502	1.227	.0061	12.46	.0042
#2	-.0076	95.35	.0653	1.222	.0062	12.33	.0048
#3	-.0052	94.65	.0633	1.211	.0062	12.37	.0049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0379	.0532	.0493	71.39	13.26	12.80	2.430
SDev	.0027	.0054	.0055	.29	.21	.06	.010
%RSD	7.011	10.19	11.07	.4066	1.610	.4842	.4102
#1	.0395	.0544	.0521	71.72	13.46	12.87	2.441
#2	.0349	.0473	.0430	71.18	13.04	12.74	2.424
#3	.0395	.0580	.0528	71.27	13.29	12.80	2.424
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	.6042	.0511	.0942	-.0082	.0050	L-.1269
SDev	.0016	.0061	.0004	.0099	.0217	.0066	.0109
%RSD	89.08	1.007	.7326	10.51	264.8	133.0	8.510
#1	.0037	.6024	.0511	.0897	-.0061	.0082	L-.1282
#2	.0011	.5992	.0507	.1055	L-.0308	-.0026	L-.1369
#3	.0007	.6110	.0515	.0873	.0124	.0094	L-.1155
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1335	.1626					
SDev	.0021	.0027					
%RSD	1.589	1.692					
#1	.1350	.1658					
#2	.1311	.1607					
#3	.1344	.1614					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 00:00:31 AM

page 1

Method: CLPMO Sample Name: 4605-17

Operator: RM

Run Time: 09/16/94 23:53:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0045	80.10	.0653	1.086	.0050	13.26	.0046
SDev	.0013	.79	.0170	.011	.0001	.14	.0006
%RSD	28.59	.9851	26.05	1.049	1.299	.9950	12.76

#1	-.0030	79.26	.0586	1.074	.0050	13.78	.0048
#2	-.0054	80.82	.0847	1.096	.0051	14.02	.0039
#3	-.0051	80.21	.0527	1.089	.0050	13.79	.0050

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0305	.0494	.2343	64.33	11.87	11.69	1.761
SDev	.0007	.0009	.0031	.60	.27	.10	.016
%RSD	2.250	1.922	1.333	.9398	2.294	.8747	.8277

#1	.0301	.0502	.2335	63.80	11.63	11.59	1.747
#2	.0313	.0497	.2378	64.99	12.16	11.79	1.777
#3	.0301	.0483	.2317	64.21	11.80	11.68	1.758

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	.5468	.0457	.2637	-.0076	.0125	L-.1014
SDev	.0045	.0113	.0006	.0351	.0068	.0139	.0191
%RSD	86.66	2.071	1.422	13.30	89.67	111.0	18.87

#1	.0045	.5339	.0458	.2989	-.0140	.0101	L-.1097
#2	.0101	.5553	.0462	.2288	-.0083	.0275	L-.1150
#3	.0011	.5511	.0449	.2634	-.0005	.0000	L-.0795

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.1269	.1676
SDev	.0029	.0015
%RSD	2.321	.9178

#1	.1245	.1661
#2	.1302	.1692
#3	.1260	.1675

Errors	LC Pass	LC Pass
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Analysis Report

Sat 09-17-94 00:00:31 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 00:07:39 AM

page 1

Method: CLPMO Sample Name: 4605-18

Operator: RM

Run Time: 09/17/94 00:00:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0046	99.92	.0682	1.731	.0067	26.02	.0055
SDev	.0019	.30	.0036	.006	.0001	.12	.0019
%RSD	40.52	.3018	5.225	.3373	1.099	.4433	33.67
#1	-.0066	99.76	.0706	1.727	.0067	25.89	.0070
#2	-.0041	100.3	.0698	1.738	.0066	26.09	.0060
#3	-.0030	99.72	.0641	1.728	.0068	26.03	.0034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0239	.0597	.0513	76.01	17.61	18.96	1.141
SDev	.0005	.0010	.0019	.24	.34	.05	.003
%RSD	2.159	1.605	3.623	.3141	1.926	.2381	.3001
#1	.0242	.0588	.0497	75.74	17.37	18.94	1.137
#2	.0233	.0607	.0534	76.16	18.00	19.01	1.144
#3	.0242	.0596	.0509	76.15	17.45	18.93	1.143
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0070
Elem	Mo2020	Na5289	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	5.754	.0538	.0665	-.0092	.0146	-.0396
SDev	.0011	.076	.0015	.0189	.0058	.0072	.0100
%RSD	116.4	1.329	2.758	28.46	59.04	186.8	48.53
#1	-.0003	5.727	.0553	.0447	-.0154	-.0041	-.0555
#2	.0014	5.840	.0536	.0757	-.0039	.0020	-.0449
#3	.0018	5.695	.0524	.0790	-.0102	.0458	-.0183
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1163	.1819					
SDev	.0028	.0015					
%RSD	2.417	.8296					
#1	.1133	.1822					
#2	.1188	.1832					
#3	.1168	.1803					
Errors	LC Pass	LC Pass					

Analysis Report

Sat 09-17-94 00:07:39 AM

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Low -.0500 -.0200

Analysis Report

QC Standard

Sat 09-17-94 00:14:47 AM

page 1

Method: CLPMO

Sample Name: CCV

Operator: RM

Run Time: 09/17/94 00:07:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.098	21.23	1.045	21.57	.5255	.0105	.5225
SDev	.010	.22	.015	.30	.0043	.0043	.0041
%RSD	.8979	1.031	1.469	1.387	.8153	40.68	.7862

#1	Q1.108	21.45	1.061	21.87	.5296	.0134	.5257
#2	1.097	21.22	1.031	21.57	.5258	.0056	.5241
#3	1.088	21.01	1.042	21.27	.5210	.0126	.5179

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.244	1.043	2.644	10.50	.1581	-.0057	1.577
SDev	.047	.009	.026	.11	.0717	.0047	.015
%RSD	.8893	.8905	.9669	1.016	45.33	82.60	.9295

#1	5.297	1.053	2.670	10.62	.1581	-.0051	1.594
#2	5.219	1.036	2.644	10.48	.0864	-.0013	1.573
#3	5.215	1.040	2.619	10.41	.2297	-.0106	1.565

Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.037	-.0310	4.151	.4956	.0231	5.260	1.069
SDev	.006	.0148	.036	.0240	.0122	.039	.021
%RSD	.5743	47.78	.8664	4.848	52.90	.7362	1.971

#1	1.044	-.0225	4.192	.5228	.0189	5.291	1.082
#2	1.036	-.0482	4.130	.4772	.0369	5.272	1.080
#3	1.033	-.0225	4.130	.4867	.0136	5.216	1.044

Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.283	2.080
SDev	.054	.015
%RSD	1.016	.7129

#1	5.342	2.096
#2	5.271	2.078
#3	5.237	2.067

Errors	QC Pass	QC Pass
Value	5.000	2.000

Analysis Report

QC Standard

Sat 09-17-94 00:14:47 AM

page 2

Range 10.00 10.00

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/17/94 00:14:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.066	.0085	-.0033	.0074	.0002	52.45	.0081
SDev	.010	.0046	.0075	.0040	.0001	.39	.0008
%RSD	.9643	54.89	229.5	53.39	65.65	.7506	10.42
#1	1.065	.0111	-.0060	.0118	.0003	52.46	.0087
#2	1.057	.0031	.0052	.0063	.0001	52.05	.0071
#3	1.077	.0112	-.0090	.0041	.0001	52.84	.0095
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0056	.0027	.0098	Q55.31	52.81	-.0009
SDev	.0037	.0023	.0042	.0031	.79	.47	.0003
%RSD	390.2	41.60	153.3	32.00	1.421	.8832	35.35
#1	.0052	.0041	.0059	.0133	Q55.62	52.69	-.0006
#2	-.0008	.0083	.0044	.0088	54.42	52.41	-.0010
#3	-.0015	.0044	-.0020	.0073	Q55.90	53.32	-.0002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Fail	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0031	Q55.13	.0031	-.0056	5.306	.0005	.0029
SDev	.0011	.72	.0029	.0191	.024	.0075	.0032
%RSD	36.10	1.305	92.02	339.6	.4511	1425.	131.6
#1	-.0044	Q55.30	.0037	.0080	5.286	.0069	.0071
#2	-.0023	54.35	.0056	.0026	5.299	-.0078	.0017
#3	-.0027	Q55.76	-.0000	-.0274	5.332	.0024	-.0002
Errors	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0030	.0041					
SDev	.0019	.0000					
%RSD	64.18	.5089					
#1	.0053	.0041					
#2	.0020	.0041					
#3	.0018	.0041					
Errors	NOCHECK	NOCHECK					

Analysis Report

QC Standard

Sat 09-17-94 00:21:55 AM

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Range

Analysis Report

QC Standard

Sat 09-17-94 00:29:04 AM

page 1

Method: CLPMO Sample Name: CCB

Operator: RM

Run Time: 09/17/94 00:21:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	Q.0488	.0026	Q.0081	.0001	.0386	.0004
SDev	.0014	.0035	.0044	.0015	.0001	.0159	.0020
%RSD	55.12	7.251	172.1	19.22	106.3	41.15	469.4
#1	.0029	Q.0502	.0062	Q.0099	.0001	.0569	-.0009
#2	.0010	.0448	-.0024	Q.0070	Q-.0000	.0294	-.0005
#3	.0036	Q.0515	.0039	Q.0073	.0001	.0294	.0027
Errors	NOCHECK	QC Fail	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass
Value		.0010	.0010	.0010	.0010	.0010	.0010
Range		.0450	.1000	.0040	.0010	.2000	.0040
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0046	Q.0041	Q.0551	.0878	.0203	Q-.0024
SDev	.0015	.0028	.0016	.0011	.0411	.0119	.0003
%RSD	107.9	61.77	39.69	2.079	46.75	58.55	13.11
#1	-.0002	.0014	.0028	Q.0553	.0430	.0278	Q-.0024
#2	.0028	.0054	.0034	Q.0538	.0968	.0066	Q-.0026
#3	.0016	Q.0069	Q.0059	Q.0561	.1236	.0265	Q-.0020
Errors	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass	QC Pass	QC Fail
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0070	.0050	.0030	.0300	.7500	.1000	.0020
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0036	.0027	.0268	-.0170	.0003	-.0039
SDev	.0029	.0221	.0030	.0162	.0098	.0058	.0154
%RSD	675.8	619.4	110.1	60.32	57.66	2086.	397.4
#1	-.0006	.0064	.0002	.0135	-.0268	.0058	-.0129
#2	-.0018	-.0289	.0019	.0221	-.0172	-.0058	-.0126
#3	.0037	.0118	.0061	Q.0448	-.0071	.0008	.0139
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0050	.2000	.0080	.0330	.0400	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0022	.0015					
SDev	.0007	.0003					
%RSD	32.34	20.57					
#1	.0024	.0015					
#2	.0014	.0018					
#3	.0027	.0012					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					
Range	.0010	.0010					

Analysis Report

QC Standard

Sat 09-17-94 00:29:04 AM

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Range .0080 .0050

Analysis Report

QC Standard

Sat 09-17-94 00:36:11 AM

page 1

Method: CLPMO

Sample Name: ICSEA

Operator: RM

Run Time: 09/17/94 00:29:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	533.4	-.0029	.0225	.0001	494.7	.0844
SDev	.0019	4.2	.0448	.0003	.0001	3.1	.0008
%RSD	115.8	.7904	1563.	1.145	129.6	.6321	1.006

#1	-.0004	538.2	.0380	.0223	-.0000	495.0	.0847
#2	.0020	532.1	.0042	.0228	.0001	497.6	.0851
#3	.0033	530.1	-.0508	.0223	.0001	491.4	.0834

Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0026	.0051	.0217	185.2	-.3892	544.8	.0187
SDev	.0021	.0057	.0037	.9	.1168	2.3	.0003
%RSD	78.39	110.9	17.05	.4927	30.00	.4284	1.937

#1	-.0032	-.0009	.0174	185.7	-.5167	546.5	.0181
#2	-.0004	.0104	.0241	185.8	-.2875	545.9	.0187
#3	-.0044	.0058	.0235	184.1	-.3635	542.2	.0181

Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.0		500.0	
Range				20.00		20.00	

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	.2297	.0061	.0200	-.0504	-.1222	.0897
SDev	.0063	.0187	.0022	.0206	.0160	.0934	.0109
%RSD	379.1	8.153	36.06	103.2	31.81	76.46	22.05

#1	.0038	.2108	.0036	.0004	-.0466	-.0154	.0760
#2	-.0086	.2482	.0077	.0414	-.0366	-.1626	.1124
#3	-.0002	.2301	.0071	.0181	-.0680	-.1886	.0808

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0135	.0298
SDev	.0026	.0019
%RSD	18.93	6.440

#1	.0116	.0317
#2	.0164	.0278
#3	.0125	.0299

Errors	NOCHECK	NOCHECK
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Analysis Report

QC Standard

Sat 09-17-94 00:36:11 AM

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Range

Method: CLPMO Sample Name: ICSAB

Operator: RM

Run Time: 09/17/94 00:36:14

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca7179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.015	531.6	1.017	.5104	.4920	497.1	1.010
SDev	.005	2.4	.019	.0024	.0028	3.1	.005
%RSD	.5211	.4490	1.906	.4803	.5731	.6316	.5052
#1	1.020	534.2	1.028	.5131	.4948	499.6	1.014
#2	1.016	531.2	1.028	.5097	.4922	498.1	1.011
#3	1.009	529.5	.9944	.5084	.4891	493.5	1.004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	500.0	1.000	.5000	.5000	500.0	1.000
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2571
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4663	.4721	.5384	184.9	-.3307	545.1	.4905
SDev	.0029	.0049	.0030	1.0	.0398	3.2	.0026
%RSD	.6209	1.045	.5577	.5493	12.03	.5961	.5243
#1	.4684	.4776	.5418	185.7	-.3505	548.0	.4929
#2	.4676	.4707	.5363	185.1	-.2849	545.7	.4910
#3	.4630	.4680	.5369	183.7	-.3568	541.6	.4877
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.5000	.5000	.5000	200.0		500.0	.5000
Range	20.00	20.00	20.00	20.00		20.00	20.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9487	1.353	.9125	1.034	.9977	4.782	.9963
SDev	.0064	.017	.0088	.035	.0348	.115	.0159
%RSD	.6765	1.278	.9619	3.418	3.485	2.409	1.591
#1	.9548	1.338	.9184	1.074	.9992	4.914	1.000
#2	.9420	1.372	.9168	1.013	1.032	4.702	.9789
#3	.9492	1.350	.9025	1.014	.9621	4.729	1.010
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000		1.000	1.000	1.000	5.000	1.000
Range	20.00		20.00	20.00	20.00	20.00	20.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.4934	1.023					
SDev	.0016	.007					
%RSD	.3350	.7189					
#1	.4944	1.031					
#2	.4942	1.020					
#3	.4915	1.017					
Errors	QC Pass	QC Pass					
Value	5000	1.000					

Analysis Report

QC Standard

Sat 09-17-94 00:43:13 AM

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Range 20.00 20.00

Method: CLPMO

Sample Name: CRI

Operator: RM

Run Time: 09/17/94 00:43:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0229	.2791	Q.0270	Q.0014	.0108	.2496	.0112
SDev	.0026	.1326	.0046	.0004	.0001	.1154	.0005
%RSD	11.35	47.52	17.11	28.35	.9821	46.22	4.661
#1	.0231	.4082	Q.0271	Q.0017	.0109	.3641	.0113
#2	Q.0254	.2858	Q.0316	Q.0009	.0109	.2516	.0106
#3	.0202	.1433	.0224	Q.0015	.0107	.1337	.0116
Errors	QC Pass	NOCHECK	QC Fail	QC Fail	QC Pass	NOCHECK	QC Pass
Value	.0200		.0200	.2000	.0100		.0100
Range	25.00		25.00	25.00	25.00		25.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1100	Q.0258	.0557	.1066	.0572	.2642	.0290
SDev	.0010	.0031	.0021	.0470	.0741	.1148	.0002
%RSD	.8795	11.80	3.720	44.05	129.7	43.44	.8092
#1	.1109	Q.0291	.0573	.1534	.1126	.3769	.0289
#2	.1090	Q.0253	.0534	.1068	-.0271	.2681	.0289
#3	.1099	.0231	.0564	.0595	.0859	.1475	.0293
Errors	QC Pass	QC Fail	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	.1000	.0200	.0500				.0300
Range	25.00	25.00	25.00				25.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0214	-.0275	.0288	.1079	Q.0205	.0110	.0162
SDev	.0022	.0183	.0020	.0101	.0103	.0087	.0169
%RSD	10.19	66.61	2.229	9.361	12.83	78.91	104.5
#1	.0190	-.0396	.0872	.0963	Q.0856	Q.0014	.0192
#2	.0220	-.0364	.0910	.1127	Q.0686	Q.0182	Q-.0020
#3	.0233	-.0064	.0882	.1147	Q.0873	Q.0135	Q.0313
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	.0200		.0800	.1060	.1200	.0100	.0200
Range	25.00		25.00	25.00	25.00	25.00	25.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1108	.0426					
SDev	.0014	.0019					
%RSD	1.268	4.578					
#1	.1095	.0405					
#2	.1123	.0432					
#3	.1108	.0442					
Errors	QC Pass	QC Pass					
Value	.0200	.0200					
Range	25.00	25.00					

Analysis Report

QC Standard

Sat 09-17-94 00:50:25 AM

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Range 25.00 25.00

Analysis Report

QC Standard

Sat 09-17-94 00:57:33 AM

Page 1

Method: CLPMO

Sample Name: CCV

Operator: RM

Run Time: 09/17/94 00:50:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.092	21.20	1.036	21.54	.5229	.0365	.5133
SDev	.008	.13	.006	.15	.0027	.0203	.0025
%RSD	.7751	.6164	.5452	.7064	.5239	55.41	.4792
#1	1.087	21.11	1.033	21.43	.5202	.0586	.5109
#2	1.088	21.14	1.032	21.47	.5230	.0323	.5133
#3	01.102	21.35	1.042	21.71	.5257	.0128	.5158
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.195	1.038	2.642	10.41	.1202	.0278	1.544
SDev	.017	.007	.014	.04	.1054	.0083	.004
%RSD	.3204	.6622	.5170	.4282	87.66	29.74	.2973
#1	5.178	1.042	2.635	10.37	.2414	.0305	1.562
#2	5.195	1.030	2.633	10.40	.0697	.0345	1.565
#3	5.212	1.042	2.658	10.46	.0496	.0186	1.571
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.036	-.0367	4.113	.5198	-.0188	5.195	1.058
SDev	.006	.0106	.008	.0193	.0175	.046	.027
%RSD	.5517	28.74	.1972	3.718	93.22	.8857	2.546
#1	1.040	-.0246	4.104	.5154	-.0037	5.186	1.027
#2	1.029	-.0439	4.115	.5409	-.0147	5.154	1.076
#3	1.038	-.0417	4.120	.5030	-.0380	5.245	1.072
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	5.248	2.066					
SDev	.019	.012					
%RSD	.3639	.5991					
#1	5.234	2.052					
#2	5.242	2.070					
#3	5.270	2.075					
Errors	QC Pass	QC Pass					
Value							
Range							

Analysis Report

QC Standard

Sat 09-17-94 00:57:33 AM

page 2

Range 10.00 10.00

Analysis Report

QC Standard

Sat 09-17-94 01:04:41 AM

page 1

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/17/94 00:57:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.062	.0170	.0065	.0076	.0002	52.52	.0089
SDev	.013	.0289	.0144	.0032	.0001	.48	.0026
%RSD	1.271	170.2	222.2	42.61	61.82	.9055	29.70
#1	1.056	.0460	.0214	.0110	.0003	52.21	.0110
#2	1.052	.0165	.0055	.0070	.0003	52.29	.0024
#3	1.077	-.0117	-.0074	.0047	.0001	53.07	.0059

Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0034	.0033	.0128	54.64	52.86	-.0004
SDev	.0008	.0037	.0037	.0053	1.23	.65	.0009
%RSD	83.53	108.3	109.2	41.70	2.243	1.221	219.9
#1	.0019	.0062	.0071	.0185	53.96	52.40	.0002
#2	.0008	.0047	.0031	.0118	53.90	52.58	.0000
#3	.0002	-.0008	-.0002	.0080	556.05	53.60	-.0014

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0016	54.79	.0039	.0043	5.273	.0079	-.0001
SDev	.0025	1.04	.0036	.0253	.067	.0303	.0029
%RSD	157.5	1.905	93.46	590.8	1.275	385.0	6402.
#1	-.0001	54.30	.0055	.0332	5.227	-.0055	.0011
#2	-.0044	54.08	.0064	-.0067	5.241	-.0135	.0079
#3	-.0001	555.98	-.0003	-.0137	5.350	.0426	-.0095

Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avg	.0035	.0052
SDev	.0028	.0011
%RSD	80.38	20.42
#1	.0052	.0062
#2	.0049	.0053
#3	.0003	.0041

Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report

QC Standard

Sat 09-17-94 01:04:41 AM

page 2

Range

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/17/94 01:04:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0197	.0104	.0013	.0001	.0238	.0011
SDev	.0031	.0087	.0043	.0009	.0000	.0124	.0002
%RSD	174.8	44.24	40.85	69.55	31.12	51.96	21.17

#1	.0042	.0192	.0094	.0021	.0001	.0369	.0008
#2	.0030	.0286	.0068	.0014	.0001	.0224	.0012
#3	-.0018	.0112	.0151	.0003	.0001	.0122	.0017

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0003	.0011	.0035	.0681	.0322	-.0027
SDev	.0021	.0046	.0040	.0026	.1120	.0245	.0002
%RSD	160.2	1546.	355.9	74.18	164.6	76.11	3.623

#1	.0026	.0021	.0053	.0050	.1666	.0570	-.0024
#2	.0023	.0038	.0007	.0050	.0914	.0318	-.0022
#3	-.0011	-.0050	-.0026	.0005	-.0538	.0072	-.0022

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0032	.0014	.0248	-.0013	.0004	.0092
SDev	.0049	.0326	.0030	.0195	.0143	.0074	.0060
%RSD	3499.	1017.	215.9	78.61	1025.	1783.	64.29

#1	.0058	.0300	.0035	.0413	.0086	.0034	-.0152
#2	-.0031	-.0043	.0027	.0298	.0052	.0053	-.0090
#3	-.0023	-.0353	-.0020	.0033	-.0178	-.0090	-.0033

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0035	.0001
SDev	.0027	.0004
%RSD	78.30	416.3

#1	.0053	.0005
#2	.0048	-.0003
#3	.0003	.0001

Errors	QC Pass	QC Pass
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Analysis Report

QC Standard

Sat 09-17-94 01:11:50 AM

Page 2

Range .0500 .0200

Analysis Report

Sat 09-17-94 01:19:07 AM

page 1

Method: CLPMO Sample Name: PBS0913B

Operator: RM

Run Time: 09/17/94 01:11:54

Comment:

Mode: CONC Corr. Factor: 1

Elem	Aa3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0233	-.0057	.0004	.0001	.0168	.0003
SDev	.0006	.0088	.0023	.0005	.0001	.0017	.0001
%RSD	311.9	37.67	39.71	117.1	104.3	9.857	42.89
#1	.0002	.0220	-.0083	.0005	.0001	.0183	.0004
#2	.0007	.0153	-.0043	-.0001	-.0000	.0151	.0004
#3	-.0004	.0327	-.0045	.0009	.0001	.0171	.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.2000	.0100	.2000	.0050	5.000	.0050
Low	-.0100	-.2000	-.0100	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0000	.0020	.0042	.0050	.0358	-.0036	-.0030
SDev	.0011	.0032	.0031	.0015	.0919	.0178	.0004
%RSD	228900.	164.3	73.29	30.10	256.5	499.1	13.35
#1	-.0005	.0056	.0053	.0065	.0967	.0039	-.0030
#2	-.0008	.0009	.0007	.0050	-.0699	-.0239	-.0035
#3	.0013	-.0006	.0065	.0035	.0806	.0093	-.0026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Low	-.0500	-.0100	-.0250	-.1000	-5.000	-5.000	-.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2063	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0027	.1099	.0004	-.0016	-.0035	-.0033	-.0124
SDev	.0022	.0111	.0035	.0042	.0157	.0057	.0009
%RSD	82.00	10.14	871.8	257.4	184.7	64.14	241.8
#1	-.0040	.1188	.0044	-.0012	.0094	-.0152	.0036
#2	-.0040	.0974	-.0019	-.0060	-.0201	-.0067	-.0466
#3	-.0001	.1134	-.0013	.0023	-.0148	-.0045	.0009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0200	5.000	.0400	.0500	.0600	.0600	.0500
Low	-.0200	-5.000	-.0400	-.0500	-.0600	-.0600	-.0500
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0012	.0016					
SDev	.0016	.0004					
%RSD	141.9	26.90					
#1	.0003	.0020					
#2	.0001	.0012					
#3	.0031	.0015					
Errors	LC Pass	LC Pass					

Low -.0500 -.0200

Analysis Report

Sat 09-17-94 01:26:14 AM

page 1

Method: CLPMO

Sample Name: LCSS09138

Operator: RM

Run Time: 09/17/94 01:19:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Aq3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5842	46.72	.9580	.7148	.3042	27.59	.7265
SDev	.0043	.41	.0120	.0055	.0019	.24	.0059
%RSD	.7419	.8844	1.256	.7722	.6121	.8841	.8110
#1	.5792	46.32	.9455	.7096	.3021	27.33	.7197
#2	.5866	47.15	.9695	.7206	.3049	27.82	.7304
#3	.5868	46.70	.9590	.7142	.3056	27.61	.7303
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.050	55.80	3.500	.8800	.3700	31.70	.8600
Low	.2900	19.30	.3500	.4500	.1700	15.30	.7600
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.077	.4879	.9163	75.27	40.70	30.16	1.609
SDev	.016	.0060	.0080	.56	1.42	.27	.012
%RSD	.7563	1.224	.8770	.7442	3.484	.8790	.7594
#1	2.059	.4821	.9076	74.63	39.65	29.85	1.595
#2	2.089	.4941	.9234	75.70	42.32	30.32	1.617
#3	2.082	.4876	.9180	75.47	40.14	30.30	1.614
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.460	.6100	1.100	110.0	44.00	36.00	1.900
Low	1.120	.2600	.4800	49.30	20.90	16.10	.9700
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.148	3.976	1.275	.6331	.5982	.8852	.6746
SDev	.015	.138	.012	.0265	.0203	.0020	.0142
%RSD	1.316	3.466	.9518	4.181	3.393	.2239	2.111
#1	1.138	3.894	1.261	.6073	.5758	.8841	.6728
#2	1.166	4.135	1.280	.6602	.6153	.8852	.6614
#3	1.141	3.898	1.284	.6318	.6037	.8880	.6297
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.470	5.060	1.570	.7100	3.500	1.090	.9800
Low	.6400	1.800	.6400	.2700	.3200	.3600	.3100
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.9362	.9219					
SDev	.0075	.0052					
%RSD	.7987	.5661					
#1	.9277	.9176					
#2	.9421	.9277					
#3	.9387	.9204					
Errors	LC Pass	LC Pass					

Analysis Report

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page 2

Low .5600 .4500

Analysis Report

Sat 09-17-94 01:33:22 AM

Page 1

Method: CLPMO Sample Name: 4605-19

Operator: RM

Run Time: 09/17/94 01:26:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0064	74.40	.0574	.8625	.0050	9.437	.0055
SDev	.0019	.93	.0186	.0119	.0001	.033	.0017
%RSD	29.00	1.255	32.48	1.378	1.630	.3526	31.80
#1	-.0061	75.08	.0537	.8690	.0051	9.470	.0054
#2	-.0085	74.79	.0409	.8698	.0049	9.436	.0038
#3	-.0048	73.34	.0776	.8488	.0049	9.404	.0072
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn3576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0412	.0525	.0831	67.56	12.44	10.98	2.607
SDev	.0017	.0063	.0034	.49	.33	.07	.017
%RSD	4.160	11.96	4.051	.7260	2.630	.6245	.6606
#1	.0402	.0532	.0795	68.01	12.40	11.04	2.603
#2	.0402	.0459	.0835	67.63	12.78	11.00	2.600
#3	.0432	.0584	.0862	67.04	12.13	10.90	2.589
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.4565	.0478	.1108	-.0052	-.0077	L-.0000
SDev	.0079	.0220	.0061	.0217	.0217	.0163	.0075
%RSD	260.8	4.817	12.74	19.62	419.5	211.0	7.516
#1	.0001	.4355	.0436	.0950	-.0216	-.0219	L-.0966
#2	-.0029	.4548	.0449	.1019	-.0134	.0101	L-.1084
#3	.0119	.4794	.0548	.1356	.0195	-.0114	L-.0945
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1369	.1618					
SDev	.0021	.0019					
%RSD	1.557	1.152					
#1	.1370	.1639					
#2	.1347	.1605					
#3	.1390	.1609					
Errors	LC Pass	LC Pass					

Analysis Report

Sat 09-17-94 01:33:22 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 01:40:30 AM

page 1

Method: CLPM0 Sample Name: 4605-20

Operator: RM

Run Time: 09/17/94 01:33:25

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0063	60.89	.0621	.5866	.0044	13.75	.0042
SDev	.0033	.50	.0197	.0059	.0001	.02	.0013
%RSD	52.04	.8151	31.63	1.003	1.788	.1174	29.55
#1	-.0072	61.31	.0646	.5918	.0043	13.76	.0029
#2	-.0090	61.02	.0413	.5878	.0044	13.74	.0046
#3	-.0027	60.34	.0804	.5803	.0044	13.76	.0057
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0230	.0398	.0473	55.71	10.98	9.243	1.629
SDev	.0022	.0040	.0046	.23	.09	.025	.009
%RSD	9.528	10.16	9.721	.4121	.7958	.2746	.5127
#1	.0206	.0389	.0424	55.85	10.96	9.260	1.705
#2	.0234	.0363	.0479	55.84	10.90	9.255	1.704
#3	.0249	.0443	.0515	55.45	11.07	9.214	1.639
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	.5436	.0341	.1410	-.0054	-.0073	L-.0033
SDev	.0039	.0260	.0026	.0108	.0233	.0138	.0039
%RSD	82.93	4.777	7.524	7.628	433.5	190.1	25.63
#1	.0002	.5361	.0331	.1521	-.0267	.0025	L-.0867
#2	.0070	.5222	.0322	.1306	-.0039	-.0012	L-.1198
#3	.0070	.5725	.0371	.1404	.0194	-.0231	L-.0734
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0882	.1590					
SDev	.0015	.0023					
%RSD	1.740	1.432					
#1	.0868	.1563					
#2	.0880	.1602					
#3	.0898	.1603					
Errors	LC Pass	LC Pass					

Analysis Report

Sat 09-17-94 01:40:30 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 01:47:37 AM

Page 1

Method: CLPMO Sample Name: 4605-21L

Operator: RM

Run Time: 09/17/94 01:40:33

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	5.345	.0132	.1012	.0030	1.562	.0013
SDev	.0017	.017	.0094	.0008	.0001	.012	.0009
%RSD	479.9	.3232	71.32	.8088	2.697	.7345	68.14

#1	.0016	5.353	.0219	.1012	.0031	1.569	.0021
#2	.0009	5.326	.0032	.1003	.0029	1.556	.0004
#3	-.0015	5.358	.0145	.1020	.0031	1.579	.0014

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0083	.8319	7.286	.5835	.8623	.1712
SDev	.0017	.0016	.0069	.048	.0890	.0107	.0016
%RSD	71.58	19.16	.8296	.6656	15.26	1.234	.9456

#1	.0028	.0101	.8294	7.287	.6767	.8745	.1712
#2	.0005	.0070	.8267	7.236	.4993	.8744	.1702
#3	.0040	.0079	.8398	7.333	.5745	.8559	.1734

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0803	.0071	.4094	-.0047	.0049	-.0015
SDev	.0036	.0206	.0001	.0370	.0077	.0014	.0064
%RSD	2750.	25.72	2.188	9.037	164.6	29.30	29.83

#1	.0037	.0888	.0069	.4521	.0016	.0058	-.0183
#2	-.0035	.0952	.0070	.3879	-.0024	.0032	-.0172
#3	-.0006	.0567	.0072	.3882	-.0133	.0056	L-.0288

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0090	.0720
SDev	.0003	.0014
%RSD	3.428	1.998

#1	.0086	.0734
#2	.0091	.0705
#3	.0092	.0720

Errors	LC Pass	LC Pass
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Analysis Report

Sat 09-17-94 01:47:37 AM

page 2

Low -.0500 -.0200

Analysis Report

Sat 09-17-94 01:54:44 AM

page 1

Method: CLPMO Sample Name: 4605-21

Operator: RM

Run Time: 09/17/94 01:47:41

Comment:

Mode: CONC - Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0018	27.09	.0422	.5134	.0152	7.884	.0020
SDev	.0022	.26	.0124	.0055	.0000	.086	.0002
%RSD	119.8	.9631	29.49	1.067	.2751	1.090	11.40
#1	-.0038	26.95	.0386	.5094	.0153	7.826	.0017
#2	.0005	27.39	.0560	.5197	.0153	7.927	.0021
#3	-.0020	26.92	.0319	.5112	.0152	7.844	.0021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	.0255	4.195	31.80	3.185	4.379	.8602
SDev	.0013	.0021	.027	.27	.123	.050	.0065
%RSD	15.57	8.041	.6540	.8552	3.859	1.140	.7562
#1	.0072	.0237	4.185	31.67	3.045	4.358	.8583
#2	.0087	.0277	4.226	32.12	3.276	4.436	.8675
#3	.0099	.0250	4.174	31.62	3.233	4.343	.8549
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2063	Se1960	Tl1000
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.5603	.0325	2.041	.0210	-.0064	L-.0396
SDev	.0014	.0276	.0006	.024	.0118	.0164	.0305
%RSD	67.47	4.926	1.970	1.172	56.05	256.0	77.17
#1	.0005	.5297	.0320	2.019	.0087	.0112	L-.0492
#2	.0031	.5832	.0332	2.066	.0323	-.0092	-.0054
#3	.0026	.5682	.0321	2.039	.0221	-.0213	L-.0642
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	20.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0417	.3617					
SDev	.0009	.0028					
%RSD	2.281	.7659					
#1	.0406	.3601					
#2	.0423	.3649					
#3	.0422	.3600					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0250					

Analysis Report

Sat 09-17-94 01:54:44 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 02:01:52 AM

page 1

Method: CLPMO Sample Name: 4605-21R

Operator: RM

Run Time: 09/17/94 01:54:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0570	26.09	.0519	.5743	.0161	3.267	.0116
SDev	.0016	.16	.0039	.0042	.0002	.072	.0009
%RSD	2.361	.6067	7.421	.7242	1.007	.8693	3.140
#1	.0558	26.00	.0475	.5725	.0160	3.196	.0106
#2	.0588	26.00	.0536	.5713	.0160	3.266	.0124
#3	.0563	26.28	.0546	.5791	.0163	3.340	.0119
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0112	.0259	5.940	34.82	3.242	4.276	1.013
SDev	.0009	.0026	.035	.25	.121	.028	.007
%RSD	8.537	10.17	.5931	.7124	3.730	.6462	.7139
#1	.0108	.0229	5.935	34.65	3.120	4.253	1.009
#2	.0123	.0276	5.907	34.69	3.362	4.261	1.008
#3	.0105	.0273	5.977	35.10	3.244	4.308	1.021
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056	.5425	.0333	2.361	.0022	-.0107	-.0335
SDev	.0037	.0170	.0033	.021	.0153	.0145	.0000
%RSD	65.06	3.131	9.800	.7415	705.5	136.1	23.34
#1	.0049	.5297	.0298	2.838	-.0013	.0046	L-.0317
#2	.0096	.5618	.0363	2.879	.0189	-.0124	L-.0400
#3	.0024	.5361	.0336	2.867	-.0111	-.0243	L-.0349
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0471	.2712					
SDev	.0009	.0026					
%RSD	1.913	.9548					
#1	.0461	.2687					
#2	.0479	.2710					
#3	.0474	.2739					
Errors	LC Pass	LC Pass					

Analysis Report

Sat 09-17-94 02:01:52 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 02:02:59 AM

page 1

Method: CLPMO Sample Name: 4605-21S

Operator: RM

Run Time: 09/17/94 02:01:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0461	46.46	.0884	2.595	.0697	8.576	.0021
SDev	.0018	.55	.0059	.034	.0008	.116	.0007
%RSD	3.879	1.187	6.712	1.309	1.201	1.350	34.50
#1	.0446	46.12	.0815	2.575	.0692	8.452	.0025
#2	.0481	47.10	.0924	2.634	.0706	8.682	.0012
#3	.0457	46.16	.0912	2.575	.0692	8.594	.0025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5422	.2458	5.347	44.16	5.416	6.083	1.353
SDev	.0085	.0083	.065	.55	.154	.058	.016
%RSD	1.576	3.375	1.222	1.250	2.840	.9569	1.156
#1	.5336	.2362	5.324	43.69	5.239	6.020	1.341
#2	.5507	.2509	5.420	44.77	5.497	6.134	1.371
#3	.5424	.2503	5.296	44.02	5.513	6.097	1.348
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1000
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.042	.6270	.5642	4.212	.0788	.0173	L-.0559
SDev	.013	.0195	.0083	.079	.0159	.0037	.0085
%RSD	1.228	3.114	1.475	1.878	20.13	21.40	15.23
#1	1.030	.6174	.5546	4.121	.0763	.0159	L-.0530
#2	1.055	.6142	.5698	4.254	.0644	.0145	L-.0492
#3	1.042	.6495	.5680	4.262	.0958	.0215	L-.0655
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.5868	.8059					
SDev	.0074	.0095					
%RSD	1.256	1.182					
#1	.5812	.7972					
#2	.5952	.8161					
#3	.5842	.8044					
Errors	LC Pass	LC Pass					

Analysis Report

Sat 09-17-94 02:02:59 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 02:16:06 AM

Page 1

Method: CLPMO Sample Name: 4605-21A

Operator: RM

Run Time: 09/17/94 02:09:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0385	28.77	2.091	2.578	.0645	7.741	.0523
SDev	.0043	.11	.016	.014	.0004	.051	.0026
%RSD	11.09	.3706	.7713	.5534	.5920	.6636	4.954
#1	.0364	28.65	2.072	2.562	.0641	7.715	.0543
#2	.0434	28.80	2.098	2.581	.0644	7.800	.0531
#3	.0357	28.35	2.102	2.590	.0649	7.707	.0494
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5300	.2308	4.399	32.10	3.124	4.259	1.365
SDev	.0036	.0021	.028	.17	.094	.037	.007
%RSD	.6852	.9242	.6371	.5236	3.004	.8797	.4923
#1	.5268	.2293	4.370	31.92	3.202	4.233	1.358
#2	.5339	.2333	4.400	32.24	3.149	4.302	1.371
#3	.5292	.2300	4.426	32.16	3.020	4.242	1.367
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.030	.5514	.5430	2.512	.5762	2.071	2.017
SDev	.004	.0263	.0050	.050	.0030	.026	.019
%RSD	.4143	4.770	.9107	1.978	.5208	1.749	.9062
#1	1.030	.5650	.5421	2.467	.5789	2.032	1.999
#2	1.034	.5682	.5484	2.566	.5766	2.103	2.036
#3	1.026	.5211	.5386	2.504	.5730	2.077	2.015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.5618	.8727					
SDev	.0044	.0091					
%RSD	.7889	1.045					
#1	.5570	.8621					
#2	.5657	.8779					
#3	.5628	.8780					
Errors	LC Pass	LC Pass					
High							
Low							

Analysis Report

Sat 09-17-94 02:16:06 AM

page 2

Low -.0500 -.0200

Analysis Report

Sat 09-17-94 02:23:14 AM

page 1

Method: CLPMO Sample Name: 4605-22

Operator: RM

Run Time: 09/17/94 02:16:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	7.934	.0286	.1341	.0019	3.436	.0015
SDev	.0013	.049	.0063	.0007	.0000	.030	.0013
%RSD	127.5	.6167	22.14	.5463	1.917	.3354	34.34
#1	-.0004	7.959	.0330	.1346	.0019	3.430	.0016
#2	.0019	7.964	.0314	.1345	.0019	3.469	.0027
#3	.0015	7.877	.0213	.1333	.0019	3.409	.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	.0217	.0573	19.87	1.518	1.011	1.262
SDev	.0003	.0017	.0003	.15	.037	.019	.010
%RSD	7.233	7.991	.6077	.7530	2.412	1.904	.8149
#1	.0045	.0197	.0576	19.89	1.546	.9990	1.263
#2	.0045	.0221	.0576	20.01	1.476	1.034	1.272
#3	.0051	.0231	.0582	19.71	1.530	1.002	1.251
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1002
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	.3225	.0328	.0863	-.0172	.0132	-.0160
SDev	.0034	.0207	.0004	.0132	.0102	.0239	.0078
%RSD	91.72	2.517	1.154	15.23	59.69	180.3	24.11
#1	-.0002	.8100	.0330	.0873	-.0240	-.0117	-.0119
#2	.0057	.8464	.0331	.0727	-.0054	.0360	-.0196
#3	.0057	.8111	.0324	.0989	-.0221	.0153	-.0164
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0151	.1210					
SDev	.0017	.0011					
%RSD	11.30	.9366					
#1	.0133	.1210					
#2	.0155	.1221					
#3	.0167	.1198					
Errors	LC Pass	LC Pass					

Low: -.0500 -.0200

Analysis Report

QC Standard

Sat 09-17-94 02:30:22 AM

page 1

Method: CLPM0

Sample Name: CCV

Operator: RM

Run Time: 09/17/94 02:23:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.086	21.01	1.033	21.31	.5191	.0107	.5156
SDev	.011	.21	.015	.26	.0046	.0023	.0066
%RSD	1.040	1.009	1.483	1.225	.8842	21.18	1.288
#1	1.086	21.01	1.026	21.31	.5182	.0122	.5156
#2	1.074	20.80	1.023	21.05	.5151	.0119	.5000
#3	1.097	21.22	1.050	21.57	.5241	.0081	.5200
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.160	1.037	2.629	10.31	.1798	-.0053	1.558
SDev	.060	.012	.025	.11	.0375	.0093	.016
%RSD	1.156	1.203	.9445	1.081	20.84	173.6	1.052
#1	5.152	1.034	2.627	10.31	.1601	-.0107	1.557
#2	5.105	1.025	2.605	10.20	.2230	-.0107	1.542
#3	5.223	1.050	2.654	10.43	.1563	.0054	1.575
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.029	-.0185	4.089	.5029	.0051	5.123	1.054
SDev	.021	.0114	.056	.0109	.0208	.056	.010
%RSD	2.051	61.69	1.381	2.178	407.2	1.146	.9572
#1	1.019	-.0161	4.083	.5155	-.0180	5.203	1.055
#2	1.015	-.0310	4.036	.4977	.0110	5.117	1.044
#3	1.053	-.0086	4.148	.4954	.0223	5.230	1.064
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	5.208	2.058					
SDev	.053	.017					
%RSD	1.024	.8067					
#1	5.204	2.056					
#2	5.156	2.043					
#3	5.263	2.076					
Errors	QC Pass	QC Pass					
Value							
Range							

Analysis Report

QC Standard

Sat 09-17-94 02:30:22 AM

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Range 10.00 10.00

Analysis Report

QC Standard

Sat 09-17-94 02:37:30 AM

Page 1

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/17/94 02:30:26

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.065	.0035	.0008	.0065	.0002	52.06	.0078
SD	.011	.0069	.0045	.0028	.0000	.26	.0021
%RSD	1.027	197.2	541.8	42.17	26.06	.4912	26.21
#1	1.060	-.0023	-.0028	.0094	.0002	52.10	.0099
#2	1.057	.0111	.0058	.0063	.0001	51.79	.0077
#3	1.077	.0017	-.0005	.0039	.0001	52.30	.0057
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025	.0036	.0041	.0073	53.99	52.55	-.0005
SD	.0012	.0034	.0020	.0040	.86	.41	.0007
%RSD	47.49	92.18	49.18	54.81	1.594	.7770	151.0
#1	.0038	.0067	.0038	.0118	53.11	52.46	.0002
#2	.0023	.0042	.0062	.0057	54.04	52.19	-.0004
#3	.0014	.0001	.0022	.0042	54.83	52.99	-.0012
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1980
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	54.50	.0029	-.0012	5.290	.0322	.0020
SD	.0023	1.03	.0063	.0170	.025	.0148	.0112
%RSD	825.5	1.892	222.8	1470.	.4754	45.93	570.0
#1	.0020	53.45	.0079	.0182	5.299	.0450	.0079
#2	-.0001	54.54	.0050	-.0134	5.262	.0160	.0020
#3	-.0027	55.51	-.0043	-.0083	5.310	.0355	-.0110
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0040	.0044					
SD	.0008	.0006					
%RSD	20.03	14.59					
#1	.0042	.0052					
#2	.0046	.0041					
#3	.0031	.0041					
Errors	NOCHECK	NOCHECK					

Analysis Report

GC Standard

Sat 09-17-94 02:37:30 AM

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Range

Analysis Report

QC Standard

Sat 09-17-94 02:44:39 AM

page 1

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/17/94 02:37:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ce3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0390	.0022	.0070	.0001	.0271	.0008
SDev	.0001	.0076	.0139	.0001	.0000	.0038	.0006
%RSD	53.65	19.56	618.2	1.228	1.828	14.00	76.78
#1	-.0001	.0368	.0182	.0069	.0001	.0315	.0014
#2	-.0003	.0328	-.0071	.0070	.0001	.0249	.0009
#3	-.0004	.0476	-.0044	.0070	.0001	.0249	.0001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0003	-.0004	.0574	-.0322	.0004	-.0022
SDev	.0014	.0031	.0020	.0004	.0845	.0199	.0001
%RSD	114.5	1004.	482.2	.7536	262.1	4871.	4.221
#1	-.0021	-.0031	-.0026	.0569	-.1290	.0199	-.0026
#2	-.0020	.0028	.0004	.0576	.0054	.0013	-.0029
#3	.0004	.0012	.0010	.0576	.0269	-.0199	-.0028
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0027	-.0435	-.0010	-.0035	-.0256	-.0166	-.0132
SDev	.0022	.0212	.0013	.0107	.0022	.0195	.0000
%RSD	82.15	48.83	133.3	302.5	8.792	117.0	106.5
#1	-.0052	-.0193	.0000	.0023	-.0278	-.0304	-.0370
#2	-.0014	-.0524	-.0024	-.0159	-.0233	.0056	.0026
#3	-.0014	-.0589	-.0005	.0030	-.0256	-.0252	-.0220
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	-.0017	.0017					
SDev	.0005	.0016					
%RSD	32.36	94.58					
#1	-.0019	.0032					
#2	-.0020	.0000					
#3	-.0010	.0018					
Errors	QC Pass	QC Pass					

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QC Standard

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Analysis Report

Sat 09-17-94 02:51:46 AM

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Method: CLPMO Sample Name: 4605-23

Operator: RM

Run Time: 09/17/94 02:44:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0030	9.457	.0292	.1033	.0016	2.110	.0002
SD	.0026	.098	.0067	.0004	.0000	.009	.0001
%RSD	87.26	1.033	23.03	.3805	.1373	.4063	64.49
#1	.0000	9.449	.0347	.1031	.0017	2.116	.0007
#2	-.0048	9.363	.0313	.1030	.0016	2.100	.0003
#3	-.0042	9.558	.0217	.1037	.0016	2.114	.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2793	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0084	.0165	28.04	1.407	1.527	.2947
SD	.0013	.0027	.0041	.21	.042	.013	.0059
%RSD	67.79	31.92	24.90	.7563	3.437	.8557	.6547
#1	.0034	.0067	.0162	27.98	1.456	1.513	.2937
#2	.0019	.0071	.0208	27.86	1.407	1.542	.2894
#3	.0007	.0115	.0126	28.27	1.359	1.521	.2910
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	.6360	.0130	.0047	-.0162	.0054	L-.0333
SD	.0032	.0248	.0030	.0107	.0209	.0157	.0121
%RSD	121.5	3.900	23.24	229.0	129.0	291.1	36.19
#1	.0062	.6624	.0159	.0158	-.0159	.0197	L-.0291
#2	.0020	.6324	.0133	.0040	.0045	.0079	-.0240
#3	-.0002	.6131	.0099	-.0057	L-.0373	-.0114	L-.0470
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0172	.1207					
SD	.0009	.0006					
%RSD	5.202	.4807					
#1	.0162	.1213					
#2	.0176	.1204					
#3	.0178	.1203					
Errors	LC Pass	LC Pass					

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Method: CLPMO Sample Name: 4605-24

Operator: RM

Run Time: 09/17/94 02:51:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	9.930	.0360	.2866	.0528	5.301	.0004
SDev	.0022	.049	.0037	.0012	.0001	.005	.0003
%RSD	1412.	.4936	10.19	.4157	.1303	.0956	67.92
#1	.0019	9.983	.0401	.2878	.0528	5.303	.0000
#2	-.0025	9.921	.0331	.2867	.0528	5.296	.0000
#3	.0002	9.886	.0347	.2854	.0527	5.306	.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2574
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0232	.0711	3.491	23.34	1.625	2.562	.6400
SDev	.0008	.0029	.018	.05	.066	.027	.0015
%RSD	3.525	4.150	.5137	.2111	4.042	1.051	.2261
#1	.0228	.0721	3.507	23.38	1.567	2.593	.6506
#2	.0227	.0678	3.494	23.36	1.610	2.549	.6508
#3	.0241	.0735	3.471	23.29	1.696	2.544	.6482
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062	.5347	.0471	.3396	-.0036	.0005	L-.0294
SDev	.0016	.0051	.0002	.0094	.0074	.0056	.0073
%RSD	25.83	.9458	.3935	2.779	201.8	1059.	24.88
#1	.0055	.5404	.0469	.3312	-.0050	-.0023	-.0211
#2	.0051	.5307	.0472	.3498	-.0102	-.0030	L-.0321
#3	.0081	.5329	.0472	.3377	.0043	.0069	L-.0350
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0210	.1931					
SDev	.0009	.0005					
%RSD	4.371	.2371					
#1	.0213	.1934					
#2	.0216	.1934					
#3	.0199	.1926					
Errors	LC Pass	LC Pass					

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Page 1

Method: CLPMO Sample Name: 4605-25

Operator:

Run Time: 09/17/94 02:58:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Ba3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0037	40.72	.0490	.5023	.0130	66.11	.0035
SDev	.0029	.32	.0177	.0048	.0000	.39	.0003
%RSD	80.52	.7924	36.02	.9561	.3064	.5911	2.722
#1	-.0037	40.74	.0431	.5015	.0129	66.41	.0037
#2	-.0007	40.39	.0689	.4980	.0130	66.26	.0030
#3	-.0066	41.03	.0351	.5075	.0130	65.67	.0034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn0576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0182	.0448	.2414	43.86	6.995	8.599	1.137
SDev	.0017	.0003	.0032	.07	.094	.012	.001
%RSD	9.121	.5868	1.310	.1526	1.338	.1422	.1107
#1	.0188	.0447	.2396	43.93	6.952	8.610	1.134
#2	.0194	.0451	.2451	43.80	7.102	8.586	1.131
#3	.0163	.0447	.2396	43.86	6.931	8.603	1.134
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1900
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091	.6677	.0403	.2164	-.0141	.0307	L-.0524
SDev	.0023	.0116	.0031	.0136	.0125	.0357	.0117
%RSD	25.63	1.733	7.696	6.277	38.49	116.4	22.77
#1	.0080	.6709	.0393	.2318	-.0147	.0677	L-.0429
#2	.0118	.6773	.0438	.2110	-.0263	-.0036	L-.0400
#3	.0076	.6549	.0379	.2063	-.0013	.0281	L-.0655
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0738	.1511					
SDev	.0004	.0007					
%RSD	.5276	.4571					
#1	.0734	.1508					
#2	.0742	.1519					
#3	.0739	.1505					
Errors	LC Pass	LC Pass					

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-26

Operator:

Run Time: 09/17/94 03:06:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0021	20.83	.0519	.3604	.0168	85.81	.0011
SDev	.0023	.34	.0080	.0069	.0002	.69	.0020
%RSD	110.0	1.629	15.37	1.927	1.319	.8052	196.0
#1	-.0048	21.22	.0451	.3684	.0171	86.60	-.0010
#2	-.0004	20.64	.0607	.3564	.0168	85.29	.0020
#3	-.0011	20.63	.0500	.3564	.0166	85.55	.0013
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104	.0412	.3279	32.48	3.624	5.932	.0505
SDev	.0025	.0054	.0017	.35	.056	.043	.0092
%RSD	24.07	13.07	.5168	1.067	1.538	.7204	1.074
#1	.0077	.0350	.3294	32.88	3.641	6.037	.0630
#2	.0126	.0448	.3282	32.28	3.562	5.973	.0460
#3	.0111	.0439	.3260	32.29	3.669	5.955	.0476
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	.6131	.0251	.2941	-.0210	.0071	-.0250
SDev	.0023	.0247	.0032	.0196	.0121	.0076	.0066
%RSD	126.8	4.025	12.57	6.673	57.52	106.4	25.48
#1	.0048	.5853	.0216	.2717	-.0295	.0043	-.0188
#2	.0026	.6324	.0275	.3025	-.0072	.0157	-.0319
#3	-.0008	.6217	.0263	.3082	-.0262	.0013	-.0271
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0569	.1284					
SDev	.0026	.0007					
%RSD	4.483	.5295					
#1	.0541	.1288					
#2	.0575	.1283					
#3	.0591	.1276					
Errors	LC Pass	LC Pass					

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Sat 09-17-94 03:20:19 AM

page 1

Method: CLPMO Sample Name: 4605-27

Operator:

Run Time: 09/17/94 03:13:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2285
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	23.91	.0424	.4684	.0177	78.24	.0015
SDev	.0035	.04	.0169	.0008	.0001	.55	.0014
%RSD	219.5	.1733	39.83	.1648	.3712	.7044	95.27
#1	.0053	23.92	.0613	.4675	.0177	78.81	.0031
#2	-.0016	23.95	.0369	.4689	.0177	78.19	.0010
#3	.0010	23.86	.0289	.4689	.0176	77.71	.0004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0148	.0460	.5469	38.99	4.472	6.691	.9628
SDev	.0013	.0015	.0030	.12	.060	.047	.0031
%RSD	8.926	3.335	.5405	.3077	1.333	.7074	.3144
#1	.0158	.0463	.5494	39.10	4.540	6.743	.9721
#2	.0133	.0473	.5436	38.99	4.428	6.681	.9684
#3	.0152	.0443	.5476	38.86	4.449	6.650	.9660
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	.7220	.0296	.1859	-.0156	.0073	L-.0435
SDev	.0020	.0255	.0024	.0062	.0142	.0337	.0111
%RSD	60.95	3.507	8.003	3.325	90.49	433.9	23.96
#1	.0056	.7565	.0322	.1926	-.0008	-.0183	L-.0483
#2	.0026	.7201	.0276	.1846	-.0290	.0458	L-.0565
#3	.0017	.7073	.0289	.1805	-.0171	-.0043	L-.0345
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0690	.1504					
SDev	.0033	.0018					
%RSD	4.778	1.217					
#1	.0726	.1513					
#2	.0661	.1483					
#3	.0684	.1516					
Errors	LC Pass	LC Pass					

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Analysis Report

Sat 09-17-94 03:27:28 AM

page 1

Method: CLPMO Sample Name: 4605-28

Operator:

Run Time: 09/17/94 03:20:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0024	36.32	.0485	.5372	.0086	35.58	.0048
SDev	.0016	.49	.0157	.0075	.0001	.19	.0006
%RSD	66.12	1.343	32.30	1.402	.0041	.5478	12.44
#1	-.0033	36.89	.0438	.5458	.0086	35.57	.0055
#2	-.0006	36.05	.0660	.5318	.0086	35.77	.0044
#3	-.0034	36.03	.0357	.5339	.0087	35.38	.0044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0171	.0335	.2310	37.43	6.923	7.610	1.064
SDev	.0026	.0054	.0020	.16	.099	.040	.005
%RSD	15.47	16.15	.8572	.4256	1.424	.5222	.4493
#1	.0141	.0273	.2290	37.60	7.034	7.653	1.069
#2	.0190	.0357	.2311	37.42	6.889	7.602	1.064
#3	.0182	.0375	.2329	37.28	6.846	7.575	1.059
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.4979	.0329	.1367	-.0274	-.0173	L-.0721
SDev	.0061	.0086	.0045	.0239	.0137	.0424	.0046
%RSD	314.4	1.737	13.60	17.47	49.95	271.3	5.863
#1	-.0026	.4965	.0278	.1156	-.0205	.0254	L-.0822
#2	-.0005	.5072	.0360	.1626	L-.0432	-.0087	L-.0728
#3	.0089	.4901	.0350	.1319	-.0186	L-.0701	L-.0732
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0672	.1710					
SDev	.0024	.0000					
%RSD	3.585	.0173					
#1	.0654	.1710					
#2	.0700	.1710					
#3	.0664	.1710					
Errors	LC Pass	LC Pass					

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page 1

Method: CLPMO Sample Name: 4605-29

Operator:

Run Time: 09/17/94 03:27:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	18.52	.0673	.5084	.0075	192.4	.0035
SDev	.0031	.16	.0027	.0046	.0001	1.0	.0007
%RSD	2658.	.8690	4.079	.8945	1.421	.5387	10.01
#1	.0001	18.33	.0655	.5032	.0074	191.4	.0035
#2	-.0030	18.64	.0704	.5112	.0076	192.1	.0039
#3	.0033	18.57	.0659	.5109	.0076	193.5	.0031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0000
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mn2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0130	.0586	.6249	38.87	2.639	7.431	.9147
SDev	.0008	.0039	.0051	.22	.038	.045	.0045
%RSD	5.929	6.711	.8135	.5765	1.440	.6077	.4911
#1	.0135	.0561	.6194	38.63	2.608	7.431	.9099
#2	.0121	.0565	.6258	38.91	2.629	7.496	.9152
#3	.0134	.0631	.6295	39.07	2.682	7.513	.9139
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	20.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056	.7258	.0499	.1514	-.0074	.0039	.0000
SDev	.0004	.0044	.0033	.0276	.0107	.0273	.0157
%RSD	7.498	.6138	6.608	18.25	145.1	307.7	162.4
#1	.0060	.7244	.0524	.1690	-.0017	-.0181	.0088
#2	.0052	.7223	.0461	.1196	-.0198	.0082	-.0177
#3	.0056	.7308	.0511	.1657	-.0007	.0366	-.0191
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0804	.1166					
SDev	.0009	.0005					
%RSD	1.168	.4126					
#1	.0804	.1171					
#2	.0794	.1165					
#3	.0813	.1162					
Errors	LC Pass	LC Pass					
High							
Low							

Analysis Report

Sat 09-17-94 03:34:45 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 03:41:54 AM

page 1

Method: CLPMO Sample Name: 4605-30

Operator:

Run Time: 09/17/94 03:34:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0042	48.17	.0425	.5179	.0099	39.05	.0034
SDev	.0010	.27	.0056	.0029	.0001	.17	.0010
%RSD	24.16	.5530	13.13	.5643	.7113	.4453	22.54
#1	-.0040	48.25	.0362	.5174	.0100	39.13	.0041
#2	-.0034	48.39	.0468	.5210	.0099	39.16	.0023
#3	-.0054	47.87	.0446	.5152	.0098	38.25	.0037
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0159	.0318	.1611	42.62	7.099	8.031	.9595
SDev	.0016	.0006	.0027	.11	.212	.035	.0019
%RSD	10.05	1.792	1.679	.2467	2.993	.4386	.2021
#1	.0178	.0320	.1620	42.59	7.219	8.009	.9587
#2	.0152	.0323	.1632	42.73	7.225	8.072	.9607
#3	.0148	.0312	.1581	42.53	6.854	8.012	.9564
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.5703	.0295	.1147	-.0131	.0123	L-.0504
SDev	.0038	.0103	.0017	.0200	.0256	.0166	.0091
%RSD	245.9	1.809	5.887	17.41	196.5	134.4	17.75
#1	-.0027	.5821	.0315	.0920	L-.0360	.0130	L-.0454
#2	.0045	.5628	.0288	.1296	.0146	.0286	L-.0491
#3	.0028	.5660	.0282	.1224	-.0177	-.0045	L-.0627
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0749	.1413					
SDev	.0003	.0021					
%RSD	.4593	1.470					
#1	.0751	.1395					
#2	.0745	.1409					
#3	.0750	.1436					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0050	-.0050					

Analysis Report

Sat 09-17-94 03:41:54 AM

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Low -.0500 -.0200

}

Analysis Report

Sat 09-17-94 03:49:03 AM

page 1

Method: CLPM0 Sample Name: 4605-31

Operator:

Run Time: 09/17/94 03:41:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	CH2015
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0045	67.32	.0752	.7700	.0064	12.43	.0070
SDev	.0033	.96	.0147	.0135	.0001	.00	.0001
%RSD	73.76	1.424	19.52	1.748	1.250	.6369	15.29
#1	-.0007	66.35	.0795	.7569	.0063	12.44	.0047
#2	-.0063	68.27	.0588	.7838	.0064	12.42	.0032
#3	-.0065	67.34	.0872	.7692	.0064	12.57	.0041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mn2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0340	.0545	.0296	69.87	10.59	9.469	2.045
SDev	.0013	.0060	.0032	.53	.23	.069	.013
%RSD	3.812	10.96	3.531	.7594	2.155	.7197	.6601
#1	.0337	.0526	.0877	69.26	10.33	9.390	2.029
#2	.0329	.0497	.0877	70.13	10.65	9.506	2.052
#3	.0354	.0612	.0932	70.21	10.77	9.511	2.053
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	20.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1060	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0053	.5989	.0466	.1179	-.0027	-.0000	-.0000
SDev	.0028	.0233	.0034	.0215	.0073	.0213	.0170
%RSD	53.35	3.883	7.219	18.21	269.7	924.7	14.02
#1	.0027	.6163	.0478	.1427	-.0108	.0111	L-.0881
#2	.0049	.5725	.0428	.1054	-.0008	-.0271	L-.1143
#3	.0083	.6078	.0492	.1056	.0034	.0094	L-.0947
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1310	.1545					
SDev	.0014	.0018					
%RSD	1.049	1.188					
#1	.1303	.1536					
#2	.1326	.1532					
#3	.1301	.1566					
Errors	LC Pass	LC Pass					

Analysis Report

Sat 09-17-94 03:49:03 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 03:56:10 AM

Page 1

Method: CLPMO Sample Name: 4605-32

Operator:

Run Time: 09/17/94 03:49:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0049	84.66	.0634	1.594	.0063	26.47	.0044
SDev	.0011	.62	.0164	.013	.0001	.31	.0009
%RSD	23.05	.7349	25.81	.8427	1.044	1.152	19.66
#1	-.0058	83.94	.0465	1.578	.0062	26.12	.0043
#2	-.0036	85.00	.0647	1.602	.0063	26.65	.0038
#3	-.0052	85.04	.0792	1.601	.0064	26.65	.0053
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0229	.0513	.0508	67.25	15.54	16.86	1.242
SDev	.0012	.0019	.0038	.58	.30	.15	.009
%RSD	5.216	3.749	7.391	.8638	1.947	.8723	.7038
#1	.0216	.0515	.0467	66.58	15.20	16.69	1.232
#2	.0230	.0531	.0518	67.54	15.68	16.90	1.247
#3	.0240	.0493	.0540	67.63	15.75	16.97	1.247
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	5.537	.0508	.0624	-.0120	-.0191	L-.0508
SDev	.0026	.091	.0026	.0261	.0207	.0143	.0055
%RSD	83.24	1.632	5.050	41.81	172.0	74.85	10.37
#1	.0008	5.483	.0533	.0821	L-.0321	L-.0355	L-.0572
#2	.0060	5.651	.0482	.0721	-.0131	-.0099	L-.0471
#3	.0026	5.628	.0508	.0328	.0092	-.0118	L-.0482
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0750	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1050	.1597					
SDev	.0020	.0005					
%RSD	1.936	.3273					
#1	.1027	.1603					
#2	.1058	.1595					
#3	.1065	.1594					
Errors	LC Pass	LC Pass					
High							
Low							

Analysis Report

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Low -.0500 -.0200

Method: CLPMO

Sample Name: CCV

Operator:

Run Time: 09/17/94 03:56:14

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	01.116	21.66	1.055	022.27	.5298	.0185	.5186
SDev	.013	.29	.020	.40	.0049	.0089	.0050
%RSD	1.129	1.316	1.997	1.800	.9177	47.99	.9575
#1	01.104	21.38	1.056	21.86	.5246	.0273	.5144
#2	01.114	21.66	1.034	022.31	.5304	.0175	.5172
#3	01.129	21.95	1.074	022.66	.5343	.0101	.5242
Errors	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.210	1.050	2.737	10.46	.1641	-.0212	1.525
SDev	.049	.013	.034	.10	.0594	.0022	.016
%RSD	.9364	1.232	1.238	1.002	36.22	10.63	1.018
#1	5.180	1.041	2.699	10.37	.2225	-.0186	1.571
#2	5.184	1.045	02.750	10.44	.1661	-.0225	1.580
#3	5.266	1.065	02.763	10.57	.1037	-.0224	1.603
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.045	-.0713	4.119	.5140	-.0148	5.022	1.054
SDev	.017	.0124	.035	.0236	.0170	.072	.031
%RSD	1.621	17.39	.8489	4.596	114.7	1.350	2.937
#1	1.026	-.0653	4.099	.5382	.0044	5.252	1.036
#2	1.050	-.0856	4.098	.4909	-.0279	5.240	1.041
#3	1.059	-.0631	4.159	.5131	-.0209	5.375	1.092
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	5.314	2.084					
SDev	.054	.018					
%RSD	1.025	.8731					
#1	5.262	2.070					
#2	5.308	2.078					
#3	5.371	2.105					
Errors	QC Pass	QC Pass					

Analysis Report

QC Standard

Sat 09-17-94 04:03:18 AM

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Range 10.00 10.00

Analysis Report

QC Standard

Sat 09-17-94 04:10:27 AM

page 1

Method: CLPMO

Sample Name: CCVAG

Operator:

Run Time: 09/17/94 04:03:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.082	.0076	.0036	.0080	.0002	51.72	.0074
SDev	.008	.0125	.0063	.0034	.0001	.30	.0001
%RSD	.7686	165.0	173.6	42.08	45.81	.5896	1.743
#1	1.082	.0219	.0088	.0116	.0003	51.92	.0074
#2	1.073	-.0010	-.0034	.0075	.0002	51.37	.0075
#3	1.090	.0018	.0055	.0050	.0001	51.87	.0072

Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0040	.0018	.0093	Q55.41	52.80	-.0007
SDev	.0010	.0043	.0054	.0031	.96	.39	.0003
%RSD	90.79	107.4	296.4	33.72	1.556	.7472	41.71
#1	.0008	.0035	-.0020	.0118	Q55.72	52.93	-.0004
#2	.0022	.0085	.0080	.0103	54.44	52.35	-.0008
#3	.0002	-.0000	-.0005	.0058	Q56.07	53.11	-.0010

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Fail	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1100
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	Q56.55	.0016	-.0041	5.333	.0174	.0173
SDev	.0031	.82	.0028	.0128	.036	.0090	.0140
%RSD	155.0	1.452	180.4	309.4	.6732	51.91	105.0
#1	-.0035	Q56.58	.0043	-.0188	5.317	.0278	-.0017
#2	.0016	Q55.72	.0017	.0022	5.307	.0122	.0259
#3	-.0040	Q57.36	-.0013	.0042	5.374	.0121	.0156

Errors	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0025	.0034
SDev	.0018	.0007
%RSD	70.96	19.33
#1	.0033	.0035
#2	.0038	.0028
#3	.0005	.0041

Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report

QC Standard

Sat 09-17-94 04:10:27 AM

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Range

Analysis Report

QC Standard

Sat 09-17-94 04:17:35 AM

Page 1

Method: CLPMO

Sample Name: CCB

Operator:

Run Time: 09/17/94 04:10:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd3265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0547	.0038	.0080	.0001	.0338	.0007
SDev	.0005	.0156	.0028	.0002	.0001	.0096	.0013
%RSD	30.39	28.52	74.65	2.138	100.5	28.49	124.4
#1	.0019	.0570	.0035	.0082	.0001	.0446	.0007
#2	.0021	.0690	.0011	.0079	.0001	.0307	.0002
#3	.0011	.0381	.0067	.0079	-.0000	.0261	.0002
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0043	.0017	.0629	.0090	.0283	-.0002
SDev	.0007	.0017	.0025	.0003	.0520	.0701	.0009
%RSD	1463.	38.39	142.6	1.197	645.4	106.5	39.64
#1	.0007	.0038	.0044	.0629	.0753	.0053	-.0028
#2	-.0001	.0062	.0013	.0621	-.0322	.0172	-.0006
#3	-.0003	.0030	-.0005	.0636	-.0161	.0623	.0012
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2063	Se1960	Ti1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0013	-.0514	.0014	.0110	-.0020	.0117	.0003
SDev	.0032	.0208	.0014	.0230	.0059	.0166	.0107
%RSD	251.1	40.56	99.52	208.0	296.4	142.6	458.1
#1	.0020	-.0674	.0026	0.0352	-.0057	.0300	-.0007
#2	-.0014	-.0589	.0017	-.0105	.0048	.0075	.0009
#3	-.0044	-.0278	-.0001	.0084	-.0050	-.0025	.0128
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0001	-.0007					
SDev	.0016	.0004					
%RSD	1787.	54.51					
#1	-.0013	-.0003					
#2	.0010	-.0003					
#3	.0010	-.0010					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					
Range	.0010	.0010					

Analysis Report

QC Standard

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Range .0500 .0200

Analysis Report

Sat 09-17-94 04:24:43 AM

page 1

Method: CLPMO Sample Name: 4605-33

Operator:

Run Time: 09/17/94 04:17:39

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0041	77.70	.0764	.7912	.0049	10.47	.0069
SDev	.0035	.64	.0145	.0082	.0001	.09	.0006
%RSD	85.06	.8283	18.98	1.034	2.930	.8774	9.203
#1	-.0032	78.02	.0927	.7948	.0051	10.56	.0064
#2	-.0011	76.96	.0716	.7818	.0049	10.46	.0076
#3	-.0079	78.12	.0649	.7970	.0048	10.38	.0067
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2226	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0359	.0570	.1066	67.54	13.65	11.17	1.755
SDev	.0036	.0062	.0047	.35	.16	.05	.009
%RSD	10.07	10.94	4.450	.5189	1.188	.4175	.5211
#1	.0383	.0523	.1094	67.91	13.83	11.22	1.764
#2	.0377	.0641	.1094	67.21	13.63	11.13	1.746
#3	.0317	.0546	.1011	67.51	13.50	11.15	1.754
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	20.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0040	.2575	.0444	.1822	-.0101	-.0025	L-.0739
SDev	.0068	.0309	.0022	.0268	.0206	.0103	.0220
%RSD	169.0	3.605	4.987	14.68	203.6	120.6	25.66
#1	-.0016	.8742	.0461	.1992	.0135	-.0181	L-.0912
#2	.0115	.8764	.0453	.1961	-.0196	-.0092	L-.0536
#3	.0022	.8218	.0419	.1514	-.0243	.0023	L-.0892
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1353	.1503					
SDev	.0014	.0016					
%RSD	1.029	1.082					
#1	.1362	.1519					
#2	.1360	.1503					
#3	.1337	.1486					
Errors	LC Pass	LC Pass					

Analysis Report

Sat 09-17-94 04:24:43 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 04:31:50 AM

Page 1

Method: CLPMO Sample Name: 4605-34

Operator:

Run Time: 09/17/94 04:24:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2065
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0040	145.3	.2048	2.121	.0042	74.46	.0151
SD	.0022	1.8	.0134	.031	.0001	.91	.0007
%RSD	55.12	1.262	6.538	1.472	1.389	1.216	4.915
#1	-.0065	145.1	.2079	2.118	.0043	74.15	.0150
#2	-.0029	143.5	.1901	2.092	.0042	73.75	.0144
#3	-.0026	147.2	.2163	2.154	.0043	75.42	.0159
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0640	.3784	.1904	150.4	22.26	68.95	2.519
SD	.0003	.0058	.0012	1.8	.46	.77	.007
%RSD	.5351	1.535	.6459	1.192	2.082	1.115	1.002
#1	.0638	.3718	.1891	149.9	22.18	68.90	2.514
#2	.0644	.3808	.1915	148.9	21.83	68.27	2.496
#3	.0638	.3826	.1906	152.4	22.75	69.79	2.549
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	20.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0070
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Sr1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	4.103	.3879	.0865	-.0008	.0412	L-.0589
SD	.0056	.071	.0015	.0147	.0211	.0262	.0236
%RSD	122.1	1.725	.4003	17.03	2624.	63.67	40.07
#1	-.0018	4.075	.3861	.0811	-.0120	.0200	L-.0803
#2	.0083	4.051	.3888	.0752	-.0139	.0330	L-.0607
#3	.0072	4.184	.3888	.1032	.0235	.0705	L-.0336
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.3815	.4781					
SD	.0049	.0047					
%RSD	1.275	.9748					
#1	.3796	.4800					
#2	.3779	.4728					
#3	.3871	.4816					
Errors	LC Pass	LC Pass					

Analysis Report

Sat 09-17-94 04:31:50 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 04:38:58 AM

page 1

Method: CLPMO Sample Name: 4605-35

Operator:

Run Time: 09/17/94 04:31:54

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.1548	105.4	3.266	1.784	.0061	20.73	.1104
SDev	.0005	.4	.025	.008	.0001	.11	.0006
%RSD	.3099	.3653	.7553	.4725	1.132	.5186	.5007
#1	.1549	105.5	3.294	1.783	.0062	20.84	.1110
#2	.1543	104.9	3.252	1.776	.0061	20.84	.1098
#3	.1552	105.7	3.252	1.793	.0060	20.65	.1104
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0489	.0751	15.65	139.7	29.02	28.25	H44.53
SDev	.0025	.0040	.08	.2	.29	.09	.11
%RSD	5.193	5.396	.5058	.1523	1.007	.3322	.2543
#1	.0502	.0744	15.65	139.8	29.29	28.34	H44.62
#2	.0506	.0794	15.57	139.9	28.71	28.25	H44.57
#3	.0460	.0713	15.72	139.5	29.06	28.15	H44.40
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-1.1750	-.0070
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2063	Se1960	Ti1000
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0878	3.323	.0588	H27.50	.0242	.0022	L-.3032
SDev	.0045	.049	.0013	.13	.0135	.0430	.0101
%RSD	5.080	1.469	2.167	.4595	54.72	1971.	3.077
#1	.0899	3.350	.0593	H27.59	.0318	.0450	L-.3069
#2	.0907	3.267	.0598	H27.57	.0334	.0022	L-.3004
#3	.0826	3.352	.0574	H27.36	.0091	L-.0409	L-.3139
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0050
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avgc	.2608	31.70					
SDev	.0019	.01					
%RSD	.7393	.0450					
#1	.2625	31.71					
#2	.2587	31.70					
#3	.2613	31.68					
Errors	LC Pass	LC Pass					

Analysis Report

Sat 09-17-94 04:38:58 AM

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Analysis Report

Sat 09-17-94 04:46:15 AM

page 1

Method: CLPMO Sample Name: 4605-36

Operator:

Run Time: 09/17/94 04:39:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0154	96.07	.6033	1.017	.0051	106.0	.2075
SDev	.0026	.97	.0195	.010	.0001	1.2	.0075
%RSD	17.03	1.012	3.239	1.030	2.124	1.121	1.694
#1	.0124	96.70	.6242	1.020	.0052	108.0	.2087
#2	.0170	94.95	.5854	1.005	.0052	105.6	.2075
#3	.0169	96.55	.6004	1.025	.0050	107.0	.2102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2571
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0448	.0981	.6093	107.3	23.69	38.77	2.641
SDev	.0001	.0020	.0058	1.0	.44	.30	.028
%RSD	.3315	1.996	.9495	.9016	1.876	.9990	1.040
#1	.0449	.0994	.6152	108.1	24.01	39.11	2.660
#2	.0446	.0990	.6036	106.3	23.18	38.35	2.614
#3	.0448	.0958	.6091	107.6	23.87	39.96	2.641
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0000
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054	1.405	.0820	H5.864	.0032	.0169	L-.0824
SDev	.0040	.021	.0009	.078	.0071	.0416	.0159
%RSD	74.62	1.521	1.124	1.331	225.6	246.3	10.73
#1	.0016	1.416	.0829	H5.950	-.0001	-.0196	L-.0701
#2	.0096	1.380	.0822	H5.797	-.0013	.0081	L-.1003
#3	.0050	1.419	.0810	H5.844	.0113	.0621	L-.0766
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.2402	1.661					
SDev	.0016	.015					
%RSD	.6510	.8729					
#1	.2417	1.677					
#2	.2385	1.648					
#3	.2403	1.659					
Errors	LC Pass	LC Pass					

Analysis Report

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Low -.0500 -.0200

Analysis Report

QC Standard

Sat 09-17-94 04:53:22 AM

Page 1

Method: CLPMO

Sample Name: ICSEA

Operator:

Run Time: 09/17/94 04:46:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0038	535.9	-.0185	.0242	.0001	437.9	.0366
SDev	.0019	4.3	.0226	.0002	.0001	2.9	.0015
%RSD	48.56	.8073	122.4	.7099	36.28	.5820	1.747
#1	.0022	540.2	-.0442	.0240	.0000	436.9	.0370
#2	.0034	531.5	-.0096	.0243	.0001	435.7	.0371
#3	.0058	535.8	-.0016	.0243	.0002	491.1	.0349
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2574
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0017	.0079	.0325	182.7	-.2713	540.1	.0104
SDev	.0004	.0067	.0020	.8	.0780	2.4	.0003
%RSD	22.63	84.28	6.027	.4574	28.74	.4350	4.102
#1	.0014	.0026	.0302	182.8	-.3602	540.6	.0205
#2	.0016	.0058	.0333	181.9	-.2142	537.3	.0191
#3	.0022	.0155	.0339	183.5	-.2397	542.5	.0191
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.0		500.0	
Range				20.00		20.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2062	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0013	.2297	.0089	.0270	-.0295	-.1401	.0858
SDev	.0076	.0113	.0022	.0168	.0126	.0113	.0372
%RSD	576.2	4.937	24.14	62.40	42.66	3.430	43.37
#1	.0036	.2418	.0094	.0214	-.0377	-.1455	.0445
#2	-.0071	.2194	.0066	.0459	-.0357	-.1065	.1162
#3	.0075	.2279	.0108	.0136	-.0150	-.1482	.0961
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avgc	.0174	.0299					
SDev	.0015	.0002					
%RSD	8.697	.5736					
#1	.0159	.0298					
#2	.0172	.0300					
#3	.0189	.0301					
Errors	NOCHECK	NOCHECK					
Value							
Range							

Analysis Report

QC Standard

Sat 02-17-94 04:53:22 AM

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Range

Analysis Report

QC Standard

Sat 09-17-94 05:00:39 AM

Page 1

Method: CLPMO Sample Name: ICSAB

Run Time: 09/17/94 04:53:26

Operator:

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.018	533.5	1.009	.5145	.4891	488.6	1.004
SDev	.004	2.1	.046	.0024	.0026	2.8	.004
%RSD	.4360	.3929	4.589	.4667	.5295	.5644	.5746
#1	1.021	533.1	.9797	.5149	.4884	488.2	1.004
#2	1.013	531.5	.9842	.5119	.4870	486.1	.9976
#3	1.020	535.7	1.062	.5167	.4920	491.6	1.000
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	500.0	1.000	.5000	.5000	500.0	1.000
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2571
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4613	.4691	.5479	182.3	-.3137	539.9	.4676
SDev	.0018	.0060	.0041	.0	.0505	2.7	.0024
%RSD	.3816	1.271	.7473	.5126	16.10	.4941	.5004
#1	.4602	.4760	.5467	182.0	-.2560	539.3	.4877
#2	.4604	.4661	.5446	181.5	-.3352	537.6	.4851
#3	.4633	.4653	.5525	183.3	-.3499	542.8	.4899
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.5000	.5000	.5000	200.0		500.0	.5000
Range	20.00	20.00	20.00	20.00		20.00	20.00
Elem	Mo2020	Na5289	Ni2316	Pb2203	Sb2068	Se1960	Ti1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9326	1.340	.9147	.9917	1.020	4.290	.9600
SDev	.0087	.018	.0043	.0156	.022	.069	.0026
%RSD	.9374	1.353	.4697	1.574	2.158	1.421	.0271
#1	.9414	1.321	.9158	1.006	.9947	4.267	.9500
#2	.9239	1.340	.9100	.9753	1.033	4.833	.9940
#3	.9326	1.358	.9184	.9934	1.032	4.870	.9570
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000		1.000	1.000	1.000	5.000	1.000
Range	20.00		20.00	20.00	20.00	20.00	20.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.4910	1.014					
SDev	.0012	.004					
%RSD	.2373	.3596					
#1	.4916	1.014					
#2	.4896	1.010					
#3	.4916	1.013					
Errors	QC Pass	QC Pass					

Analysis Report

QC Standard

Sat 09-17-94 05:00:39 AM

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Range 20.00 20.00

Analysis Report

QC Standard

Sat 09-17-94 05:07:46 AM

page 1

Method: CLPMO

Sample Name: CRI

Operator:

Run Time: 09/17/94 05:00:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0243	.2383	.0233	0.0012	.0108	.2120	.0116
SDev	.0021	.0836	.0101	.0002	.0000	.0285	.0010
%RSD	8.433	35.08	43.33	71.08	.3832	46.46	2.323
#1	.0219	.3316	0.0117	0.0005	.0108	.3181	.0105
#2	0.0257	.2132	0.0303	0.0021	.0109	.1945	.0120
#3	0.0252	.1702	0.0278	0.0009	.0102	.1235	.0127
Errors	QC Pass	NOCHECK	QC Pass	QC Fail	QC Pass	NOCHECK	QC Pass
Value	.0200		.0200	.2000	.0100		.0100
Range	25.00		25.00	25.00	25.00		25.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2574
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1094	.0208	.0567	.0911	.0411	.2062	.0295
SDev	.0029	.0036	.0032	.0396	.0389	.0980	.0002
%RSD	2.620	17.34	5.603	43.50	94.73	47.50	6.879
#1	.1062	.0173	.0546	.1339	.0213	.3132	.0295
#2	.1117	.0206	.0604	.0836	.0859	.1846	.0297
#3	.1103	.0245	.0552	.0558	.0160	.1209	.0293
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	.1000	.0200	.0500				.0300
Range	25.00	25.00	25.00				25.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0201	-.0407	.0873	.1182	0.0891	0.0055	0.0274
SDev	.0002	.0195	.0018	.0216	.0245	.0165	.0155
%RSD	1.210	48.02	2.034	18.32	27.49	301.4	56.62
#1	.0199	-.0631	.0855	.0970	0.0632	0-.0021	.0217
#2	.0203	-.0310	.0872	.1172	.0921	0.0244	0.0440
#3	.0203	-.0278	.0891	0.1403	.1119	0-.0059	.0155
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Fail	QC Fail	QC Fail
Value	.0200		.0800	.1060	.1200	.0100	.0200
Range	25.00		25.00	25.00	25.00	25.00	25.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1095	.0410					
SDev	.0011	.0010					
%RSD	1.028	2.548					
#1	.1086	.0422					
#2	.1092	.0405					
#3	.1108	.0403					
Errors	QC Pass	QC Pass					
Value							
Range							

Analysis Report

QC Standard

Sat 09-17-94 05:07:46 AM

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Range 25.00 25.00

Analysis Report

QC Standard

Sat 09-17-94 05:14:54 AM

Page 1

Method: CLPMO

Sample Name: CCV

Operator:

Run Time: 09/17/94 05:07:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Co0265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	01.109	21.55	1.048	022.02	.5279	.0025	.5173
SDev	.003	.08	.018	.06	.0010	.0027	.0020
%RSD	.2615	.3624	1.753	.2692	.1941	9.938	3820
#1	01.109	21.47	1.040	21.96	.5291	.0022	.5151
#2	01.106	21.54	1.035	022.02	.5273	.0020	.5177
#3	01.111	21.63	1.069	022.08	.5274	.0045	.5100

Errors	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		5000
Range	10.00	10.00	10.00	10.00	10.00		10.00

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.216	1.051	2.716	10.43	.1626	-.0026	1.530
SDev	.010	.003	.002	.01	.0400	.0023	.007
%RSD	.1916	.2651	.0795	.1154	24.58	89.60	.1224
#1	5.214	1.055	2.714	10.43	.1318	.0001	1.521
#2	5.207	1.049	2.716	10.42	.1482	-.0040	1.577
#3	5.227	1.051	2.718	10.44	.2077	-.0039	1.583

Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2062	Se1960	Tl1030
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.049	-.0596	4.133	.5089	-.0036	5.294	1.047
SDev	.003	.0211	.011	.0341	.0062	.002	.016
%RSD	.2446	35.45	.2761	6.703	172.0	.4195	1.525
#1	1.052	-.0738	4.132	.4767	-.0094	5.287	1.028
#2	1.047	-.0696	4.122	.5054	-.0043	5.276	1.059
#3	1.049	-.0353	4.145	.5446	.0029	5.319	1.041

Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00

Elem	V_2924	Zn2138
Units	ppm	ppm
Avg	5.302	2.081
SDev	.006	.003
%RSD	.1092	.1407
#1	5.299	2.078
#2	5.297	2.082
#3	5.308	2.083

Errors	QC Pass	QC Pass
Value		
Range		

Analysis Report

QC Standard

Sat 09-17-94 05:14:54 AM

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Range 10.00 10.00

Analysis Report

QC Standard

Sat 09-17-94 05:22:03 AM

Page 1

Method: CLPMO Sample Name: CCVAG

Operator:

Run Time: 09/17/94 05:14:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.076	.0143	.0016	.0082	.0003	52.20	.0085
SDev	.004	.0202	.0164	.0042	.0001	.24	.0020
%RSD	.3811	141.7	1014.	51.47	43.92	.4616	23.09

#1	1.075	.0272	-.0025	.0128	.0004	52.17	.0085
#2	1.072	.0246	.0197	.0073	.0003	52.45	.0104
#3	1.080	-.0090	-.0124	.0045	.0001	51.97	.0065

Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	.0064	.0042	.0150	54.35	52.95	-.0004
SDev	.0023	.0033	.0027	.0031	.51	.07	.0007
%RSD	125.8	51.83	63.93	20.82	.9367	.1254	173.7

#1	.0035	.0032	.0034	.0185	54.06	52.95	.0000
#2	.0028	.0099	.0071	.0140	54.05	53.02	.0000
#3	-.0008	.0062	.0019	.0125	54.94	52.39	-.0012

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	

Elem	Mn2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	955.23	.0037	.0086	5.315	.0182	.0101
SDev	.0049	.74	.0051	.0159	.010	.0308	.0111
%RSD	1729.	1.334	139.0	186.6	.1830	163.5	109.4

#1	.0045	54.88	.0007	-.0003	5.308	.0174	.0105
#2	-.0001	54.74	.0096	.0269	5.310	.0503	.0210
#3	-.0053	956.08	.0008	-.0009	5.326	-.0112	-.0011

Errors	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avg	.0033	.0043
SDev	.0006	.0009
%RSD	19.61	20.75

#1	.0041	.0052
#2	.0030	.0040
#3	.0029	.0035

Errors	NOCHECK	NOCHECK
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Analysis Report

QC Standard

Sat 09-17-94 05:22:03 AM

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Range

Analysis Report

QC Standard

Sat 09-17-94 05:29:11 AM

page 1

Method: CLPMO

Sample Name: CCB

Operator:

Run Time: 09/17/94 05:22:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2065
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0.0244	.0157	-.0639	.0043	-.0001	.1350	-.0024
SDev	.0167	.0532	.0976	.0027	.0001	.0840	.0054
%RSD	68.26	338.5	152.6	63.71	87.76	62.26	222.4

#1	.0053	.0772	Q-.1765	.0075	.0000	.0320	Q-.0007
#2	Q.0319	-.0157	-.0101	.0027	-.0002	.1375	.0003
#3	Q.0360	-.0143	-.0052	.0027	-.0002	.1793	.0011

Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0022	-.0007	-.0057	.0378	.0071	.0376	-.0020
SDev	.0022	.0031	.0034	.0347	.1437	.1633	.0026
%RSD	101.1	424.8	60.37	91.84	2097.	448.3	30.61

#1	-.0040	-.0013	-.0078	.0779	-.1505	-.1566	-.0050
#2	.0002	-.0035	-.0017	.0163	.1450	.1430	-.0014
#3	-.0027	.0026	-.0075	.0193	.0268	.1260	-.0014

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	.1858	-.0146	-.0139	-.0379	-.0060	.0001
SDev	.0041	.3417	.0300	.0328	.0343	.0125	.0011
%RSD	237.7	183.9	205.4	237.0	90.53	121.2	26.22

#1	-.0057	-.2087	Q-.0492	Q-.0495	Q-.0774	.0010	-.0023
#2	.0024	.3916	.0036	.0152	-.0150	-.0212	-.0011
#3	-.0018	.3745	.0018	-.0072	-.0214	-.0004	-.0174

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0005	.0066
SDev	.0009	.0060
%RSD	172.7	91.72

#1	-.0007	-.0003
#2	.0005	.0093
#3	-.0013	.0107

Errors	QC Pass	QC Pass
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Analysis Report

QC Standard

Sat 09-17-94 05:29:11 AM

Page 2

Range .0500

.0200



ICP Run Log

SDG No. _____

Lot No. _____

4606, 4607, 4605

Instrument I.D.: J Date: 9/21/94 Analyst: TM

Method: CLP/MO File/Archive I.D.: J09214A

All Run QC Good?: Yes (No)

Accept All Data?: Yes (No)

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	PBS0913H		OS			+GFHA
2		LCSS0913A					-K
3		4605-01L					
4		01					
5		01R					
6		01S					-Mg
7		01A		CV			
8		02					-Mg
9		03					
10		04					-Mg
11		05					-Mg
12		06					-Mg
13		07					-Mg
14		08					-Mg
15		09					
16		10		CV			
17		11					-Mg
18		12					
19		13					
20		14					✓

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV		CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
 OS (Opening Statement): CRI, ICSA, ICSAB
 CV (Continuing Verification): CCV, CCVAg, CCB
 CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
 1-ICV/CCV 4-Prep. Blank 7-Rep. 10-Dil/Rerun
 2-ICSA 5-LCS 8-An. Spk. 11-Other
 3-ICB/CCB 6-MS 9-Srl. Dil. 12-Other

Review: _____

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Con't

ICP Run Log

SDG No. _____

Lot No. _____

Instrument I.D.: _____ Date: _____ Analyst: _____

Method: _____ File/Archive I.D.: _____

All Run QC Good?: Yes No

Accept All Data?: Yes No

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Sfd. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4605-15					+ GFAA
2		16					- Mg
3		17					- Mg
4		18		CV			- Mg
5		PB50913B					
6		LC550913B					-15
7		4605-19					- Mg
8		20					
9		21L					
10		21					
11		21K					
12		21S		CV			
13		21A					
14		22					
15		23					
16		24					
17		25					
18		26					
19		27					
20	✓	28					✓

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV		CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
 OS (Opening Statement): CRI, ICSA, ICSAB
 CV (Continuing Verification): CCV, CCVAg, CCB
 CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
 1-ICV/CCV 4-Prep. Blank 7-Rep. 10-Dil/Rerun
 2-ICSAB 5-LCS 8-An. Spk. 11-Other
 3-ICB/CCB 6-MS 9-Srl. Dil. 12-Other

Review: _____

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Cont

ICP Run Log

SDG No. _____

Lot No. _____

Instrument I.D.: _____ Date: _____ Analyst: _____

Method: _____ File/Archive I.D.: _____

All Run QC Good?: Yes No

Accept All Data?: Yes No

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4605-29		CV			+6FAH
2		30					
3		31					
4		32					-Mg
5		33					-Mg
6		34					-Mg -Fe
7		35					-Mg -Fe -Mn -Zn
8		36					-Mg -Fe
9		PB50914B		CV			
10		LC50914B					
11		4605-40					
12		4606-01L					
13		01					
14		01K					
15		01S					
16		01A					
17		02		CV			-Mg
18		4606-03					-Mg
19		04					
20	✓	085					✓

7/21/94

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV		CCV		ICSA		CRI	
ICVAq		CCV		ICSAB			

(1) Standard Series Run After Sample:
 OS (Opening Statement): CRI, ICSA, ICSAB
 CV (Continuing Verification): CCV, CCVAq, CCB
 CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAq, CCB

(2) QC Failure Codes:
 1-ICV/CCV 4-Prep. Blank 7-Rep. 10-Dil/Rerun
 2-ICSAB 5-LCS 8-An. Spk. 11-Other
 3-ICB/CCB 6-MS 9-Sol. Dil. 12-Other

Review: _____

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CC 7

ICP Run Log

SDG No. _____

Lot No. _____

Instrument I.D.: _____ Date: _____ Analyst: _____

Method: _____ File/Archive I.D.: _____

All Run QC Good?: Yes No

Accept All Data?: Yes No

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4606-07					-Mg - Fe - Mn - Zn + GFAP
2		4607-01					-Mg - Fe
3		02					-Mg
4		03		CV			-Mg
5		04					-Mg
6		05					-Mg
7		06		CS			-Mg
8							
9							
10		4606-06					-Mg
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV		CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:

OS (Opening Statement): CRI, ICSA, ICSAB

CV (Continuing Verification): CCV, CCVAg, CC8

CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CC8

(2) QC Failure Codes:

1-ICV/CCV

2-ICSAB

3-ICB/CC8

4-Prep. Blank

5-LCS

6-MS

7-Rep.

8-An. Spk.

9-Sol. Dil.

10-Dil/Rerun

11-Other

12-Other

Review: _____

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	FE100	J09214A	CLPMO	09/21/94	13:18		S	CONC
2	STD1-Blank	J09214A	CLPMO	09/21/94	13:40		X	IR
3	STD3	J09214A	CLPMO	09/21/94	13:46		X	IR
4	ICV	J09214A	CLPMO	09/21/94	13:52	LB	Q	CONC
5	STD1-Blank	J09214A	CLPMO	09/21/94	14:00		X	IR
6	STD3	J09214A	CLPMO	09/21/94	14:06		X	IR
7	ICV	J09214A	CLPMO	09/21/94	14:13	LB	Q	CONC
8	ICB	J09214A	CLPMO	09/21/94	14:19	LB	Q	CONC
9	CRI	J09214A	CLPMO	09/21/94	14:26	LB	Q	CONC
10	ICSA	J09214A	CLPMO	09/21/94	14:32	LB	Q	CONC
11	ICSAB	J09214A	CLPMO	09/21/94	14:39	LB	Q	CONC
12	PBS0913A	J09214A	CLPMO	09/21/94	14:45	LB	S	CONC
13	LCSS0913A	J09214A	CLPMO	09/21/94	14:51	LB	S	CONC
14	4605-01L	J09214A	CLPMO	09/21/94	14:58	LB	S	CONC
15	4605-01	J09214A	CLPMO	09/21/94	15:04	LB	S	CONC
16	4605-01R	J09214A	CLPMO	09/21/94	15:11	LB	S	CONC
17	4605-01S	J09214A	CLPMO	09/21/94	15:17	LB	S	CONC
18	4605-01A	J09214A	CLPMO	09/21/94	15:23	LB	S	CONC
19	CCV	J09214A	CLPMO	09/21/94	15:30	LB	Q	CONC
20	CCB	J09214A	CLPMO	09/21/94	15:36	LB	Q	CONC
21	4605-02	J09214A	CLPMO	09/21/94	15:43	LB	S	CONC
22	4605-03	J09214A	CLPMO	09/21/94	15:49	LB	S	CONC
23	4605-04	J09214A	CLPMO	09/21/94	15:55	LB	S	CONC
24	4605-05	J09214A	CLPMO	09/21/94	16:02	LB	S	CONC
25	4605-06	J09214A	CLPMO	09/21/94	16:08	LB	S	CONC
26	4605-07	J09214A	CLPMO	09/21/94	16:15	LB	S	CONC
27	4605-08	J09214A	CLPMO	09/21/94	16:21	LB	S	CONC
28	4605-09	J09214A	CLPMO	09/21/94	16:27	LB	S	CONC
29	4605-10	J09214A	CLPMO	09/21/94	16:34	LB	S	CONC
30	CCV	J09214A	CLPMO	09/21/94	16:40	LB	Q	CONC
31	CCB	J09214A	CLPMO	09/21/94	16:47	LB	Q	CONC
32	4605-11	J09214A	CLPMO	09/21/94	16:53	LB	S	CONC
33	4605-12	J09214A	CLPMO	09/21/94	16:59	LB	S	CONC
34	4605-13	J09214A	CLPMO	09/21/94	17:06	LB	S	CONC
35	4605-14	J09214A	CLPMO	09/21/94	17:12	LB	S	CONC
36	4605-15	J09214A	CLPMO	09/21/94	17:18	LB	S	CONC
37	4605-16	J09214A	CLPMO	09/21/94	17:25	LB	S	CONC
38	4605-17	J09214A	CLPMO	09/21/94	17:31	LB	S	CONC
39	4605-18	J09214A	CLPMO	09/21/94	17:38	LB	S	CONC
40	CCV	J09214A	CLPMO	09/21/94	17:44	LB	Q	CONC
41	CCB	J09214A	CLPMO	09/21/94	17:50	LB	Q	CONC
42	PBS0913B	J09214A	CLPMO	09/21/94	17:57	LB	S	CONC
43	LCSS0913B	J09214A	CLPMO	09/21/94	18:03	LB	S	CONC
44	4605-19	J09214A	CLPMO	09/21/94	18:10	LB	S	CONC
45	4605-20	J09214A	CLPMO	09/21/94	18:16	LB	S	CONC
46	4605-21L	J09214A	CLPMO	09/21/94	18:23	LB	S	CONC
47	4605-21	J09214A	CLPMO	09/21/94	18:29	LB	S	CONC
48	4605-21R	J09214A	CLPMO	09/21/94	18:35	LB	S	CONC
49	4605-21S	J09214A	CLPMO	09/21/94	18:42	LB	S	CONC
50	CCV1	J09214A	CLPMO	09/21/94	18:48	LB	Q	CONC
51	CCB1	J09214A	CLPMO	09/21/94	18:55	LB	Q	CONC
52	4605-21A	J09214A	CLPMO	09/21/94	19:01	LB	S	CONC
53	4605-22	J09214A	CLPMO	09/21/94	19:07	LB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	4605-23	J09214A	CLPMO	09/21/94	19:14	LB	S	CONC
55	4605-24	J09214A	CLPMO	09/21/94	19:20	LB	S	CONC
56	4605-25	J09214A	CLPMO	09/21/94	19:27	LB	S	CONC
57	4605-26	J09214A	CLPMO	09/21/94	19:33	LB	S	CONC
58	4605-27	J09214A	CLPMO	09/21/94	19:39	LB	S	CONC
59	4605-28	J09214A	CLPMO	09/21/94	19:46	LB	S	CONC
60	4605-29	J09214A	CLPMO	09/21/94	19:52	LB	S	CONC
61	CCV1	J09214A	CLPMO	09/21/94	19:59	LB	Q	CONC
62	CCB1	J09214A	CLPMO	09/21/94	20:05	LB	Q	CONC
63	4605-30	J09214A	CLPMO	09/21/94	20:11	LB	S	CONC
64	4605-31	J09214A	CLPMO	09/21/94	20:18	LB	S	CONC
65	4605-32	J09214A	CLPMO	09/21/94	20:24	LB	S	CONC
66	4605-33	J09214A	CLPMO	09/21/94	20:31	LB	S	CONC
67	4605-34	J09214A	CLPMO	09/21/94	20:37	LB	S	CONC
68	4605-35	J09214A	CLPMO	09/21/94	20:43	LB	S	CONC
69	4605-36	J09214A	CLPMO	09/21/94	20:50	LB	S	CONC
70	FBS0914B	J09214A	CLPMO	09/21/94	20:56	LB	S	CONC
71	CCV1	J09214A	CLPMO	09/21/94	21:03	LB	Q	CONC
72	CCB1	J09214A	CLPMO	09/21/94	21:09	LB	Q	CONC
73	LCSS0914B	J09214A	CLPMO	09/21/94	21:15	LB	S	CONC
74	4605-40	J09214A	CLPMO	09/21/94	21:22	LB	S	CONC
75	4606-01L	J09214A	CLPMO	09/21/94	21:28	LB	S	CONC
76	4606-01	J09214A	CLPMO	09/21/94	21:35	LB	S	CONC
77	4606-01R	J09214A	CLPMO	09/21/94	21:41	LB	S	CONC
78	4606-01S	J09214A	CLPMO	09/21/94	21:48	LB	S	CONC
79	4606-01A	J09214A	CLPMO	09/21/94	21:54	LB	S	CONC
80	4606-02	J09214A	CLPMO	09/21/94	22:00	LB	S	CONC
81	CCV2	J09214A	CLPMO	09/21/94	22:07	LB	Q	CONC
82	CCB2	J09214A	CLPMO	09/21/94	22:13	LB	Q	CONC
83	4606-03	J09214A	CLPMO	09/21/94	22:20	LB	S	CONC
84	4606-04	J09214A	CLPMO	09/21/94	22:26	LB	S	CONC
85	4606-05	J09214A	CLPMO	09/21/94	22:32	LB	S	CONC
86	4606-06	J09214A	CLPMO	09/21/94	22:39	LB	S	CONC
87	4606-07	J09214A	CLPMO	09/21/94	22:45	LB	S	CONC
88	4607-01	J09214A	CLPMO	09/21/94	22:52	LB	S	CONC
89	4607-02	J09214A	CLPMO	09/21/94	22:58	LB	S	CONC
90	4607-03	J09214A	CLPMO	09/21/94	23:05	LB	S	CONC
91	CCV2	J09214A	CLPMO	09/21/94	23:11	LB	Q	CONC
92	CCB2	J09214A	CLPMO	09/21/94	23:17	LB	Q	CONC
93	4607-04	J09214A	CLPMO	09/21/94	23:24	LB	S	CONC
94	4607-05	J09214A	CLPMO	09/21/94	23:30	LB	S	CONC
95	4607-06	J09214A	CLPMO	09/21/94	23:37	LB	S	CONC
96	CRI	J09214A	CLPMO	09/21/94	23:43	LB	Q	CONC
97	ICSA	J09214A	CLPMO	09/21/94	23:49	LB	Q	CONC
98	ICSAB	J09214A	CLPMO	09/21/94	23:56	LB	Q	CONC
99	CCV2	J09214A	CLPMO	09/22/94	00:02	LB	Q	CONC
100	CCB2	J09214A	CLPMO	09/22/94	00:09	LB	Q	CONC

#	Element	FE100	STD'lank	STD3	ICV	STD'lank	STD3
1	Ag3280	-.1094	.96151	32.2104	1.009	.97201	32.3848
2	Al3082	-.2774	1.26386	4.11994	1.014	1.28085	4.14442
3	As1890	-.0012	-.1839	53.1289	1.064	-.17441	53.4833
4	Ba4934	.0002	-.00149	222.947	1.001	.01199	223.437
5	Be3130	.0008	-8.5875	386.918	1.027	-8.5497	391.186
6	Ca3179	-.0003	.28835	4.53273	Q100.7	.28685	4.56571
7	Cd2265	.0068	.17841	358.626	1.004	.23688	363.455
8	Co2286	-.0000	1.81759	42.7241	1.002	1.82558	43.0575
9	Cr2677	.0003	-.00924	22.2931	1.022	.00149	22.5302
10	Cu3247	-.0006	.01449	10.1629	1.007	.01499	10.1494
11	Fe2714	90.80	-.00049	.83014	1.005	.01017	.84284
12	K_7664	-.0054	.04297	49.3398	9.932	.03148	49.4063
13	Mg2795	.2158	-.02948	2.16041	9.835	-.02948	2.1904
14	Mn2576	-.0027	.02398	1.53323	.9864	.02398	1.54522
15	Mo2020	.0015	4.08046	98.3748	1.031	4.14092	99.3803
16	Na5889	-.0069	.33383	74.9995	10.08	.35482	75.1734
17	Ni2316	.0006	-.34582	137.845	1.000	-.34657	139.328
18	2203/1	.0005	.23338	89.5327	1.004	.22638	90.2509
19	2203/2	.0007	.05347	57.1394	.9999	.10594	57.6442
20	2068/1	.0007	.21339	72.4993	1.023	.11094	72.8016
21	2068/2	.0011	.09095	39.1594	1.016	.16741	39.2284
22	1960/1	.0006	-.81209	40.1119	1.078	-.68515	40.2279
23	1960/2	-.0025	.86206	58.9006	1.069	.84207	59.1574
24	Tl1908	.0051	-.22413	27.9458	.9925	-.17166	28.1587
25	V_2924	-.0014	.01074	33.976	.9511	.01099	34.2426
26	Zn2138	.0007	-.03973	44.4218	1.014	-.03748	44.8543
27	PB2203	.0015			1.001		
28	SE1960	-.0004			1.075		
29	SB2068	.0015			1.018		

#	Element	ICV	ICB	CRI	ICSA	ICSAB	PBS0913A
1	Ag3280	1.007	.0001	.0195	.0017	.9665	-.0004
2	Al3082	1.011	.0042	.0370	98.86	100.3	.0247
3	As1890	1.059	.0017	.0216	.0009	.9991	.0005
4	Ba4934	1.001	.0001	.0000	-.0002	.4743	.0004
5	Be3130	1.022	.0001	.0101	.0001	.4755	-.0003
6	Ca3179	10.04	.0059	.0378	244.5	243.0	.0985
7	Cd2265	.9971	-.0000	.0102	.0007	.9212	.0002
8	Co2286	.9991	.0001	.1003	.0005	.4695	-.0008
9	Cr2677	1.018	-.0002	.0199	.0003	.4660	-.0001
10	Cu3247	1.006	-.0004	.0519	.0019	.5101	.0031
11	Fe2714	.9914	-.0052	.0142	88.43	88.22	.0078
12	K_7664	9.919	.0047	.0010	.0117	.0179	-.0012
13	Mg2795	9.862	-.0246	.0428	9.566	9.573	-.0048
14	Mn2576	.9826	.0000	.0299	-.0014	.4637	.0000
15	Mo2020	1.024	-.0004	.0201	.0002	.9671	-.0008
16	Na5889	10.07	.0014	-.0006	.0031	1.307	.1017
17	Ni2316	.9944	-.0002	.0811	.0021	.9346	-.0002
18	2203/1	.9977	.0006	.0055	-.0021	.9601	-.0010
19	2203/2	1.002	-.0005	.0050	-.0003	.9651	.0012
20	2068/1	1.028	.0018	.0960	.0021	1.024	.0016

#	Element	ICV	ICB	CRI	ICSA	ICSAB	PBS0913A
21	2068/2	1.015	.0018	.0950	.0010	1.006	-.0020
22	1960/1	1.075	-.0012	.0113	-.0116	.9579	.0000
23	1960/2	1.078	-.0030	.0075	-.0138	.9650	-.0024
24	Tl1908	.9893	.0034	.0180	-.0033	.9716	.0030
25	V_2924	.9493	.0002	.1014	-.0017	.4680	.0000
26	Zn2138	1.011	.0003	.0410	.0025	.9601	.0017
27	PB2203	.9976	.0008	.0044	.0000	.9623	-.0003
28	SE1960	1.076	-.0018	.0100	-.0123	.9603	-.0008
29	SB2068	1.020	.0018	.0948	.0013	1.012	-.0008

#	Element	LCS'913A	4605-01L	4605-01	4605-01R	4605-01S	4605-01A
1	Ag3280	.4668	.0004	.0017	.0004	.0535	.0544
2	Al3082	46.57	6.234	31.51	36.55	56.67	33.27
3	As1890	.8702	.0028	.0066	.0063	.0473	2.099
4	Ba4934	.7013	.2400	1.181	1.338	3.361	3.195
5	Be3130	.2850	.0004	.0021	.0020	.0521	.0511
6	Ca3179	26.16	2.313	11.33	11.77	13.45	11.15
7	Cd2265	.6941	.0002	.0017	.0015	.0017	.0530
8	Co2286	2.004	.0041	.0203	.0213	.5349	.5320
9	Cr2677	.4915	.0063	.0322	.0327	.2473	.2378
10	Cu3247	.9004	.0481	.2429	.2415	1.193	.5026
11	Fe2714	75.05	7.764	37.97	40.27	47.81	38.40
12	K_7664	<u>H45.37</u>	1.100	6.846	7.258	9.696	6.794
13	Mg2795	21.38	1.846	8.309	9.026	<u>H11.03</u>	8.201
14	Mn2576	1.528	.3393	1.662	1.755	2.293	2.137
15	Mo2020	1.137	.0002	.0010	.0012	.9944	1.001
16	Na5889	4.562	.0952	.5585	.6926	1.190	.5558
17	Ni2316	1.263	.0063	.0325	.0322	.5592	.5491
18	2203/1	.5967	.0099	.0509	.0480	.0700	.5656
19	2203/2	.5934	.0101	.0499	.0467	.0667	.5621
20	2068/1	.7812	.0014	.0018	.0013	.0483	.5192
21	2068/2	.7696	-.0007	-.0018	-.0030	.0541	.5277
22	1960/1	.8672	.0003	-.0012	-.0056	.0082	2.068
23	1960/2	.8582	-.0022	-.0048	-.0061	.0024	2.068
24	Tl1908	.7437	.0027	-.0023	-.0048	.0429	2.071
25	V_2924	.9062	.0177	.0872	.0928	.6260	.6021
26	Zn2138	.9141	.0304	.1502	.1489	.6817	.6617
27	PB2203	.5956	.0115	.0506	.0466	.0704	.5669
28	SE1960	.8642	-.0005	-.0024	L-.0057	.0068	2.068
29	SB2068	.7740	.0000	-.0006	-.0015	.0522	.5249

#	Element	CCV	CCB	4605-02	4605-03	4605-04	4605-05
1	Ag3280	1.008	-.0004	.0009	.0086	.0137	.0167
2	Al3082	1.021	.0064	134.1	13.99	83.08	85.02
3	As1890	1.014	.0004	.0232	.0090	.0192	.0157
4	Ba4934	1.014	.0000	2.847	.5227	1.245	3.945
5	Be3130	1.007	-.0001	.0065	.1643	.0104	.0045
6	Ca3179	10.08	.0001	43.42	14.62	14.15	11.85
7	Cd2265	1.007	-.0002	.0004	.0022	.0038	.0055
8	Co2286	1.006	-.0002	.0486	.0103	.0416	.0311

#	Element	CCV	CCB	4605-02	4605-03	4605-04	4605-05
9	Cr2677	1.006	-.0004	.0666	.1014	.0718	.0614
10	Cu3247	1.010	-.0004	.0501	2.579	.7010	34.69
11	Fe2714	1.026	-.0083	80.34	23.22	69.37	57.60
12	K_7664	10.17	-.0022	10.10	2.021	11.57	9.156
13	Mg2795	9.994	-.0267	<u>H14.44</u>	5.831	<u>H15.56</u>	<u>H12.49</u>
14	Mn2576	1.005	.0010	2.562	.4810	2.299	<u>1.867</u>
15	Mo2020	1.007	-.0005	.0020	.0022	.0036	.0039
16	Na5889	10.24	.0007	6.767	.4134	.8401	.9347
17	Ni2316	1.007	-.0004	.0577	.0732	.0529	.2754
18	2203/1	1.006	-.0009	.0805	.8478	.1049	.2734
19	2203/2	1.005	-.0011	.0847	.8527	.1232	.2799
20	2068/1	1.010	.0005	.0020	.0081	-.0007	-.0041
21	2068/2	1.012	-.0024	-.0024	.0102	.0001	.0017
22	1960/1	1.010	.0007	-.0072	-.0023	-.0105	-.0048
23	1960/2	1.012	-.0025	-.0109	-.0058	-.0060	-.0079
24	Tl1908	1.016	-.0004	-.0029	-.0032	-.0047	-.0043
25	V_2924	1.010	-.0001	.1394	.0418	.1350	.1098
26	Zn2138	1.006	.0002	.1500	.2904	.2449	1.486
27	PB2203	1.004	-.0010	.0809	.8464	.1095	.2761
28	SE1960	1.010	-.0004	-.0084	-.0035	-.0090	-.0058
29	SB2068	1.012	-.0010	-.0010	.0095	-.0001	-.0002

#	Element	4605-06	4605-07	4605-08	4605-09	4605-10	CCV
1	Ag3280	-.0001	-.0008	.0001	.0256	-.0001	1.004
2	Al3082	88.23	80.20	67.30	61.42	17.43	1.016
3	As1890	.0159	.0196	.0145	.0171	.0116	1.006
4	Ba4934	.6616	1.142	1.073	.8101	.2778	1.008
5	Be3130	.0064	.0040	.0039	.0058	.0012	.9998
6	Ca3179	14.14	11.32	14.45	9.225	7.250	9.970
7	Cd2265	.0002	.0005	.0112	.0021	.0022	.9971
8	Co2286	.0230	.0343	.0246	.0378	.0070	.9965
9	Cr2677	.0563	.0562	.0461	.0535	.0112	.9959
10	Cu3247	.0318	.0352	.2051	.1946	.0404	1.010
11	Fe2714	53.47	73.78	58.42	61.98	26.45	1.014
12	K_7664	11.44	8.529	14.27	11.14	3.451	10.14
13	Mg2795	<u>H14.31</u>	<u>H11.78</u>	<u>H11.75</u>	9.958	3.591	9.997
14	Mn2576	1.461	1.903	1.564	2.533	1.171	.9934
15	Mo2020	.0045	.0021	.0015	.0032	.0012	.9980
16	Na5889	5.672	.9835	.6867	.4917	.4297	10.21
17	Ni2316	.0508	.0435	.0412	.0412	.0115	.9989
18	2203/1	.0350	.0582	.4331	.0968	.0478	.9968
19	2203/2	.0379	.0619	.4357	.1075	.0458	.9995
20	2068/1	.0012	.0028	.0025	.0070	.0013	1.006
21	2068/2	-.0018	-.0002	.0005	-.0009	-.0005	1.008
22	1960/1	-.0047	-.0046	-.0001	-.0144	.0002	1.008
23	1960/2	-.0082	-.0075	-.0072	-.0025	-.0034	1.014
24	Tl1908	-.0022	-.0037	-.0039	-.0048	-.0012	1.007
25	V_2924	.0851	.1326	.1110	.1322	.0280	1.002
26	Zn2138	.1367	.1447	.2100	.1931	.1433	1.000
27	PB2203	.0335	.0580	.4340	.0988	.0462	.9962
28	SE1960	-.0058	-.0056	-.0025	-.0104	-.0005	1.010
29	SB2068	-.0008	.0008	.0012	.0022	.0006	1.008

#	Element	CCB	4605-11	4605-12	4605-13	4605-14	4605-15
1	Ag3280	-.0008	-.0003	-.0001	.0001	.0094	.0068
2	Al3082	.0062	90.21	33.70	26.33	21.32	21.52
3	As1890	.0021	.0158	.0137	.0127	.0317	.0109
4	Ba4934	.0001	.9704	.4981	.2382	.3951	.5109
5	Be3130	0 -.0001	.0046	.0025	.0036	.0772	.0466
6	Ca3179	-.0070	14.81	6.559	5.171	8.462	8.518
7	Cd2265	-.0001	.0004	.0010	.0002	.0021	.0018
8	Co2286	-.0007	.0271	.0166	.0066	.0108	.0074
9	Cr2677	-.0003	.0424	.0235	.0176	.0512	.0426
10	Cu3247	-.0003	.0349	.0720	.0648	18.53	4.723
11	Fe2714	-.0071	52.78	37.98	29.12	24.80	24.90
12	K_7664	-.0052	12.90	6.192	3.369	3.369	3.454
13	Mg2795	-.0042	<u>H10.89</u>	5.870	4.724	5.125	5.325
14	Mn2576	.0013	1.434	1.443	.8365	.6478	.7007
15	Mo2020	-.0010	.0006	.0016	.0021	.0030	.0022
16	Na5889	.0009	.7900	.4722	.5497	.4514	.4565
17	Ni2316	.0000	.0409	.0216	.0239	.0456	.0373
18	2203/1	.0010	.0507	.0780	.0624	5.941	.3588
19	2203/2	-.0015	.0547	.0760	.0613	5.955	.3596
20	2068/1	.0008	.0017	.0022	.0049	.0513	.0162
21	2068/2	-.0001	-.0008	-.0003	.0001	.0511	.0178
22	1960/1	-.0018	-.0020	-.0038	-.0005	-.0037	-.0047
23	1960/2	-.0008	-.0099	-.0051	-.0063	-.0043	-.0054
24	Tl1908	-.0018	-.0025	-.0044	-.0046	-.0022	-.0038
25	V_2924	.0000	.0949	.0540	.0341	.0423	.0346
26	Zn2138	.0003	.1208	.1556	.1340	.3464	.3322
27	PB2203	.0002	.0525	.0769	.0635	5.945	.3591
28	SE1960	-.0015	X -.0051	-.0042	-.0030	-.0029	-.0049
29	SB2068	.0002	-.0005	.0005	.0017	.0517	.0172
#	Element	4605-16	4605-17	4605-18	CCV	CCB	PBS0913B
1	Ag3280	-.0002	-.0001	.0000	1.003	-.0007	-.0011
2	Al3082	93.62	78.15	97.03	1.021	.0047	.0135
3	As1890	.0149	.0159	.0206	1.009	.0006	.0004
4	Ba4934	1.212	1.076	1.680	1.010	.0001	.0002
5	Be3130	.0053	.0042	.0056	.9976	0 -.0002	-.0006
6	Ca3179	11.83	13.15	24.37	^{T.K.} 9.958	-.0035	-.0011
7	Cd2265	.0006	.0011	.0006	^{10.0} .9914	-.0002	-.0002
8	Co2286	.0375	.0300	.0238	.9944	-.0006	-.0015
9	Cr2677	.0554	.0488	.0585	.9919	-.0004	-.0004
10	Cu3247	.0410	.2283	.0489	1.013	-.0003	.0046
11	Fe2714	66.07	59.21	69.05	1.016	-.0054	-.0081
12	K_7664	15.13	13.05	20.12	10.17	-.0051	.0012
13	Mg2795	<u>H11.91</u>	<u>H11.08</u>	<u>H15.68</u>	9.864	-.0088	-.0245
14	Mn2576	2.348	1.700	1.084	.9901	.0010	.0000
15	Mo2020	.0019	.0014	.0016	.9950	-.0008	-.0014
16	Na5889	.7101	.6279	6.378	10.24	.0011	.1042
17	Ni2316	.0497	.0422	.0517	.9939	-.0002	-.0001
18	2203/1	.0623	.2303	.0447	.9975	-.0006	-.0004
19	2203/2	.0641	.2295	.0502	.9976	-.0004	-.0003
20	2068/1	.0011	.0010	.0020	1.001	.0002	.0007

#	Element	4605-16	4605-17	4605-18	CCV	CCB	PBS0913B
21	2068/2	-.0022	-.0023	-.0019	1.009	-.0015	-.0012
22	1960/1	-.0021	-.0052	-.0054	1.010	-.0011	-.0007
23	1960/2	-.0096	-.0086	-.0113	1.007	-.0024	-.0028
24	Tl1908	-.0048	-.0029	-.0053	.9967	-.0011	-.0019
25	V_2924	.1212	.1155	.1026	.9995	.0000	-.0001
26	Zn2138	.1664	.1708	.1843	.9960	.0001	.0015
27	PB2203	.0634	.2300	.0435	.9961	-.0005	-.0004
28	SE1960	-.0046	-.0064	-.0074	1.010	-.0020	-.0014
29	SB2068	-.0011	-.0012	-.0006	1.007	-.0014	-.0005

#	Element	LCS'913B	4605-19	4605-20	4605-21L	4605-21	4605-21R
1	Ag3280	.4741	-.0005	.0000	.0006	.0042	.0593
2	Al3082	46.89	72.82	60.18	5.240	26.35	25.23
3	As1890	.8977	.0174	.0178	.0051	.0144	.0143
4	Ba4934	.7145	.8561	.5890	.1046	.5159	.5718
5	Be3130	.2902	.0041	.0035	.0025	.0139	.0146
6	Ca3179	26.53	9.024	13.36	1.552	7.637	7.879
7	Cd2265	.7010	.0011	.0009	.0002	.0012	.0110
8	Co2286	2.026	.0399	.0233	.0018	.0084	.0099
9	Cr2677	.4863	.0541	.0394	.0060	.0311	.0294
10	Cu3247	.9162	.0771	.0418	.8297	4.135	5.791
11	Fe2714	69.94	62.69	52.13	6.004	29.54	31.99
12	K_7664	<u>H46.05</u>	13.70	12.27	.5308	3.233	3.143
13	Mg2795	21.48	<u>H10.48</u>	9.236	1.106	5.227	5.042
14	Mn2576	1.552	2.512	1.662	.1715	.8408	.9773
15	Mo2020	1.127	.0024	.0027	.0001	.0028	.0025
16	Na5889	4.703	.5163	.6456	.1013	.5785	.5504
17	Ni2316	1.279	.0473	.0324	.0066	.0335	.0318
18	2203/1	.6049	.0745	.1130	.3867	1.923	2.681
19	2203/2	.6089	.0740	.1140	.3882	1.928	2.681
20	2068/1	.6111	.0019	.0018	.0111	.0492	.0067
21	2068/2	.5975	-.0019	-.0020	.0105	.0461	.0138
22	1960/1	.9025	-.0018	.0003	-.0013	-.0074	-.0003
23	1960/2	.9022	-.0073	-.0047	.0003	-.0055	-.0066
24	Tl1908	.7484	-.0008	-.0051	.0006	-.0020	-.0034
25	V_2924	.9101	.1269	.0804	.0080	.0403	.0445
26	Zn2138	.9157	.1659	.1631	.0743	.3665	.2711
27	PB2203	.6062	.0744	.1139	.3887	1.925	2.681
28	SE1960	.9024	-.0036	-.0013	-.0008	-.0068	-.0024
29	SB2068	.6020	-.0007	-.0002	.0107	.0471	.0114

#	Element	4605-21S	CCV1	CCB1	4605-21A	4605-22	4605-23
1	Ag3280	.0579	1.018	-.0005	.0562	-.0003	-.0008
2	Al3082	45.62	1.033	.0078	27.90	7.663	8.944
3	As1890	.0618	1.026	.0030	2.100	.0078	.0050
4	Ba4934	2.578	1.024	.0000	2.538	.1367	.1034
5	Be3130	.0678	1.019	-.0004	.0624	.0011	.0007
6	Ca3179	8.278	10.11	-.0012	7.412	3.306	2.012
7	Cd2265	.0010	1.014	-.0002	.0523	.0001	-.0000
8	Co2286	.5334	1.014	-.0004	.5181	.0031	.0028

#	Element	4605-21S	CCV1	CCB1	4605-21A	4605-22	4605-23
9	Cr2677	.2544	1.012	-.0007	.2356	.0189	.0111
10	Cu3247	5.324	1.027	-.0002	4.330	.0560	.0172
11	Fe2714	41.22	1.015	-.0108	29.70	18.43	25.82
12	K_7664	5.751	10.28	.0014	3.189	1.384	1.285
13	Mg2795	6.893	10.08	.0072	5.122	1.158	1.722
14	Mn2576	1.319	1.010	.0000	1.321	1.232	.8669
15	Mo2020	1.027	1.013	-.0001	1.011	.0025	.0018
16	Na5889	.6850	10.26	.0001	.5800	.7454	.5591
17	Ni2316	.5747	1.013	-.0001	.5466	.0290	.0143
18	2203/1	4.054	1.015	.0018	2.391	.0578	.0141
19	2203/2	4.057	1.016	-.0013	2.394	.0559	.0096
20	2068/1	.0869	1.019	.0004	.5680	.0018	-.0004
21	2068/2	.0896	1.024	-.0002	.5688	.0005	.0001
22	1960/1	.0050	1.032	-.0012	2.059	-.0020	-.0041
23	1960/2	.0048	1.032	-.0037	2.076	-.0017	-.0059
24	Tl1908	.0442	1.020	-.0024	2.045	.0013	-.0034
25	V_2924	.5817	1.018	-.0001	.5541	.0102	.0122
26	Zn2138	.8087	1.012	.0001	.8668	.1234	.1224
27	PB2203	4.057	1.014	.0007	2.394	.0581	.0141
28	SE1960	.0049	1.032	-.0020	2.065	-.0019	-.0046
29	SB2068	.0887	1.022	.0000	.5685	.0004	-.0001

#	Element	4605-24	4605-25	4605-26	4605-27	4605-28	4605-29
1	Ag3280	.0032	.0029	.0031	.0060	.0036	.0052
2	Al3082	9.535	39.69	20.32	23.24	35.14	18.06
3	As1890	.0068	.0159	.0106	.0124	.0113	.0108
4	Ba4934	.2881	.4939	.3556	.4609	.5273	.4910
5	Be3130	.0499	.0115	.0152	.0159	.0073	.0062
6	Ca3179	5.133	63.99	83.88	76.02	34.63	187.9
7	Cd2265	.0011	.0014	.0006	.0014	.0016	.0013
8	Co2286	.0220	.0176	.0107	.0145	.0166	.0130
9	Cr2677	.0730	.0457	.0436	.0473	.0344	.0592
10	Cu3247	3.419	.2345	.3238	.5415	.2228	.6118
11	Fe2714	21.56	40.46	30.13	36.19	34.79	35.98
12	K_7664	1.538	7.708	4.006	4.897	7.299	3.138
13	Mg2795	3.422	8.667	6.554	7.179	7.815	7.789
14	Mn2576	.6335	1.094	.8292	.9396	1.034	.8883
15	Mo2020	.0043	.0091	.0022	.0032	.0012	.0042
16	Na5889	.5259	.7673	.7147	.7914	.5669	.8650
17	Ni2316	.0463	.0392	.0266	.0302	.0325	.0502
18	2203/1	.3002	.1910	.2560	.1528	.1067	.1130
19	2203/2	.2995	.1910	.2580	.1534	.1054	.1150
20	2068/1	.0117	.0047	.0011	.0004	.0030	.0017
21	2068/2	.0076	.0025	-.0025	.0001	.0013	-.0010
22	1960/1	-.0024	-.0044	-.0052	-.0058	-.0031	-.0068
23	1960/2	-.0048	-.0056	-.0040	-.0051	-.0071	-.0075
24	Tl1908	-.0034	-.0018	-.0017	-.0002	-.0046	-.0028
25	V_2924	.0217	.0669	.0533	.0639	.0626	.0735
26	Zn2138	.1955	.1545	.1312	.1546	.1729	.1193
27	PB2203	.2980	.1905	.2577	.1520	.1068	.1151
28	SE1960	-.0032	-.0048	✓-.0053	✓-.0056	-.0044	✓-.0071
29	SB2068	.0090	.0032	-.0018	.0002	.0019	-.0001

#	Element	CCV1	CCB1	4605-30	4605-31	4605-32	4605-33
1	Ag3280	1.017	-.0004	.0017	.0001	-.0001	-.0005
2	Al3082	1.038	.0155	46.29	64.91	82.09	75.17
3	As1890	1.025	.0006	.0106	.0236	.0209	.0166
4	Ba4934	1.029	.0000	.5047	.7510	1.547	.7755
5	Be3130	1.018	8 -.0005	.0085	.0051	.0051	.0038
6	Ca3179	<i>T.V. 10.0</i> 10.05	-.0023	37.64	11.99	25.51	9.982
7	Cd2265	1.014	-.0000	.0012	.0008	.0004	.0024
8	Co2286	1.010	-.0002	.0165	.0336	.0235	.0350
9	Cr2677	1.012	-.0004	.0361	.0549	.0531	.0531
10	Cu3247	1.025	-.0002	.1557	.0830	.0482	.0943
11	Fe2714	1.016	-.0072	39.33	64.99	62.54	62.81
12	K_7664	10.34	.0009	7.811	11.51	17.93	14.89
13	Mg2795	10.08	-.0087	8.070	9.402	<u>H14.57</u>	<u>H10.64</u>
14	Mn2576	1.010	.0000	.9220	1.969	1.197	1.693
15	Mo2020	1.014	-.0005	.0015	.0029	.0022	.0018
16	Na5889	10.30	.0003	.6595	.6827	6.109	.9588
17	Ni2316	1.013	.0000	.0309	.0448	.0494	.0425
18	2203/1	1.013	-.0021	.1035	.1012	.0471	.1437
19	2203/2	1.013	-.0002	.1051	.1013	.0493	.1466
20	2068/1	1.019	.0014	.0030	.0043	-.0003	.0017
21	2068/2	1.028	.0002	-.0003	.0022	.0007	.0006
22	1960/1	1.031	.0034	-.0056	-.0000	-.0054	-.0036
23	1960/2	1.032	.0017	-.0081	-.0062	-.0078	-.0072
24	Ti1908	1.024	-.0001	-.0036	-.0036	-.0026	-.0041
25	V_2924	1.019	.0001	.0679	.1202	.0935	.1218
26	Zn2138	1.013	.0001	.1465	.1598	.1656	.1578
27	PB2203	1.012	-.0014	.1030	.1013	.0478	.1447
28	SE1960	1.031	.0028	2 -.0065	-.0021	2 -.0062	-.0048
29	SB2068	1.025	.0006	.0008	.0029	.0004	.0009

#	Element	4605-34	4605-35	4605-36	PBS0914B	CCV1	CCB1
1	Ag3280	.0007	.1595	.0231	-.0010	1.021	-.0006
2	Al3082	140.2	102.7	94.28	.0335	1.049	.0226
3	As1890	.0871	3.270	.5268	.0008	1.035	.0015
4	Ba4934	2.020	1.709	.9852	.0001	1.034	.0000
5	Be3130	.0031	.0048	.0039	-.0009	1.023	8 -.0005
6	Ca3179	70.77	19.80	104.1	.0012	<i>T.V. 10.0</i> 10.05	-.0094
7	Cd2265	.0030	.1028	.1995	-.0001	1.023	-.0001
8	Co2286	.0624	.0465	.0444	-.0013	1.012	-.0006
9	Cr2677	.3742	.0966	.1018	-.0003	1.016	-.0007
10	Cu3247	.1732	14.78	.5849	.0063	1.024	-.0004
11	Fe2714	<u>H139.6</u>	<u>H131.1</u>	<u>H101.1</u>	-.0013	1.016	-.0089
12	K_7664	27.41	33.61	28.71	.0017	10.39	-.0002
13	Mg2795	<u>H30.05</u>	<u>H20.27</u>	<u>H23.99</u>	-.0203	10.13	-.0109
14	Mn2576	2.380	<u>H34.12</u>	2.510	.0000	1.004	.0000
15	Mo2020	.0060	.0948	.0069	-.0007	1.021	-.0004
16	Na5889	4.923	3.757	1.761	.1032	10.34	.0001
17	Ni2316	.3862	.0599	.0841	.0002	1.022	-.0006
18	2203/1	.0541	26.69	5.756	.0017	1.010	-.0006
19	2203/2	.0651	26.87	5.802	.0017	1.018	-.0005
20	2068/1	.0046	.0415	.0310	.0008	1.021	.0010

#	Element	4605-34	4605-35	4605-36	PBS0914B	CCV1	CCB1
21	2068/2	.0023	.0504	.0286	-.0003	1.034	-.0005
22	1960/1	-.0026	-.0021	-.0009	.0007	1.032	-.0033
23	1960/2	-.0110	-.0098	-.0088	-.0033	1.039	-.0011
24	Tl1908	-.0068	X-.0100	.0021	-.0005	1.031	-.0010
25	V_2924	.3494	.2429	.2234	.0001	1.023	.0001
26	Zn2138	.4819	<u>H20.00</u>	1.633	.0022	1.018	.0003
27	PB2203	.0558	26.75	5.771	.0017	1.013	-.0006
28	SE1960	X-.0054	-.0047	-.0036	-.0006	1.034	-.0020
29	SB2068	.0031	.0475	.0294	.0006	1.030	-.0000

#	Element	LCS'914B	4605-40	4606-01L	4606-01	4606-01R	4606-01S
1	Ag3280	.5024	-.0004	-.0001	.0013	.0009	.0555
2	Al3082	48.84	18.99	12.80	65.14	63.05	90.54
3	As1890	.8772	.0141	.0027	.0128	.0132	.0546
4	Ba4934	.7215	.2014	.1198	.5883	.5508	2.706
5	Be3130	.2823	.0009	.0010	.0076	.0072	.0581
6	Ca3179	25.86	3.970	9.587	47.11	30.68	35.64
7	Cd2265	.6802	.0006	-.0002	.0006	.0006	.0004
8	Co2286	1.964	.0068	.0041	.0218	.0190	.5342
9	Cr2677	.4751	.0125	.0089	.0452	.0464	.2747
10	Cu3247	.8948	.0280	.0227	.1161	.0902	.5571
11	Fe2714	79.05	32.52	10.33	50.37	47.88	58.87
12	K_7664	<u>H45.68</u>	3.172	1.692	10.91	10.45	15.45
13	Mg2795	21.04	3.215	2.158	9.229	8.991	<u>H11.38</u>
14	Mn2576	1.514	.8350	.2981	1.446	1.102	1.778
15	Mo2020	1.114	.0039	.0003	.0021	.0023	1.001
16	Na5889	4.601	.5791	.1557	.9562	.8805	1.466
17	Ni2316	1.249	.0111	.0078	.0375	.0366	.5721
18	2203/1	.5854	.0576	.0164	.0842	.0961	.1649
19	2203/2	.5984	.0530	.0168	.0878	.0996	.1683
20	2068/1	.6404	.0006	.0006	.0032	.0020	.0278
21	2068/2	.6274	.0019	-.0014	-.0022	-.0013	.0315
22	1960/1	.8721	-.0024	-.0008	-.0041	-.0072	.0064
23	1960/2	.8805	-.0034	-.0039	-.0068	-.0068	.0024
24	Tl1908	.7314	.0002	-.0003	-.0046	-.0033	.0419
25	V_2924	.8918	.0331	.0162	.0803	.0780	.6253
26	Zn2138	.9069	.1480	.0308	.1530	.1486	.7110
27	PB2203	.5897	.0556	.0180	.0844	.0963	.1675
28	SE1960	.8749	-.0027	-.0018	-.0045	L-.0066	.0050
29	SB2068	.6317	.0015	-.0007	-.0004	-.0002	.0303

#	Element	4606-01A	4606-02	CCV2	CCB2	4606-03	4606-04
1	Ag3280	.0541	-.0013	1.021	-.0010	.0216	.0038
2	Al3082	66.03	80.38	1.055	.0331	84.89	16.32
3	As1890	2.125	.0181	1.038	.0019	.0151	.0143
4	Ba4934	2.616	.6366	1.036	.0000	.6722	.4027
5	Be3130	.0559	.0035	1.018	Ø-.0006	.0126	.0071
6	Ca3179	45.99	13.15	10.06	10.8	11.49	144.6
7	Cd2265	.0514	.0006	1.019	.0000	.0010	.0020
8	Co2286	.5226	.0244	1.003	-.0006	.0312	.0118

#	Element	4606-01A	4606-02	CCV2	CCB2	4606-03	4606-04
9	Cr2677	.2468	.0522	1.011	-.0005	.0734	.0467
10	Cu3247	.3770	.0467	1.022	-.0009	.5018	.5084
11	Fe2714	50.24	64.94	1.009	-.0086	60.56	36.65
12	K_7664	10.77	15.12	10.46	-.0008	13.61	3.508
13	Mg2795	9.068	<u>H10.52</u>	10.05	-.0200	<u>H10.58</u>	7.848
14	Mn2576	1.915	1.476	1.000	.0000	1.677	.7680
15	Mo2020	1.017	.0027	1.019	-.0007	.0034	.0027
16	Na5889	.9431	.7538	10.45	-.0003	.8079	.9951
17	Ni2316	.5451	.0423	1.016	-.0001	.0582	.0377
18	2203/1	.5893	.0520	1.007	.0001	.0903	.1566
19	2203/2	.5976	.0554	1.019	-.0013	.0919	.1622
20	2068/1	.5237	.0018	1.019	.0028	.0008	.0033
21	2068/2	.5324	-.0005	1.033	-.0005	.0003	-.0020
22	1960/1	2.088	-.0025	1.026	-.0001	-.0053	-.0068
23	1960/2	2.118	-.0097	1.043	.0013	-.0097	-.0049
24	Tl1908	2.083	-.0004	1.034	-.0005	-.0010	-.0025
25	V_2924	.5886	.1015	1.020	.0000	.1075	.0639
26	Zn2138	.6597	.1720	1.015	.0002	.1978	.1694
27	PB2203	.5936	.0531	1.010	-.0004	.0894	.1585
28	SE1960	2.097	-.0049	1.032	-.0001	<u>✓</u> .0068	<u>✓</u> -.0062
29	SB2068	.5295	.0002	1.028	-.0004	.0010	-.0003

#	Element	4606-05	4606-06	4606-07	4607-01	4607-02	4607-03
1	Ag3280	-.0006	-.0009	.1585	.0026	-.0000	-.0009
2	Al3082	52.38	83.36	96.35	99.15	91.74	122.3
3	As1890	.0131	.0169	3.268	.0160	.0165	.0202
4	Ba4934	1.066	1.147	1.697	1.026	1.041	1.120
5	Be3130	.0025	.0035	.0047	.0373	.0120	.0057
6	Ca3179	10.20	10.44	19.21	13.10	10.94	11.51
7	Cd2265	-.0002	-.0001	.1024	.0004	.0003	-.0000
8	Co2286	.0104	.0298	.0447	.0368	.0350	.0388
9	Cr2677	.0331	.0588	.0921	.0583	.0533	.0607
10	Cu3247	.0204	.0326	14.61	.1227	.0595	.0436
11	Fe2714	40.19	65.21	<u>H126.6</u>	66.75	65.94	74.33
12	K_7664	9.185	14.65	32.81	16.55	15.04	16.14
13	Mg2795	9.138	<u>H13.36</u>	<u>H19.95</u>	<u>H11.78</u>	<u>H11.67</u>	<u>H13.05</u>
14	Mn2576	.9972	1.546	<u>H33.79</u>	2.338	2.109	2.220
15	Mo2020	.0015	.0032	.0928	.0021	.0020	.0014
16	Na5889	1.021	1.002	3.669	.8339	.7651	.8764
17	Ni2316	.0292	.0450	.0589	.0498	.0466	.0515
18	2203/1	.0216	.0455	26.31	.1275	.1080	.0731
19	2203/2	.0218	.0492	26.74	.1312	.1129	.0789
20	2068/1	.0015	.0040	.0339	.0028	.0028	.0019
21	2068/2	-.0015	-.0024	.0411	-.0026	-.0009	-.0011
22	1960/1	-.0031	-.0039	.0013	-.0050	-.0033	-.0041
23	1960/2	-.0090	-.0100	-.0103	-.0098	-.0094	-.0107
24	Tl1908	-.0021	-.0017	-.0087	-.0050	-.0043	-.0063
25	V_2924	.0540	.1106	.2324	.1208	.1188	.1328
26	Zn2138	.1239	.1592	<u>H19.89</u>	.1834	.1593	.1758
27	PB2203	.0227	.0467	26.46	.1257	.1096	.0750
28	SE1960	<u>✓</u> -.0051	<u>✓</u> -.0060	-.0026	<u>✓</u> -.0066	<u>✓</u> -.0053	<u>✓</u> -.0063
29	SB2068	-.0010	-.0003	.0387	-.0008	.0003	-.0001

#	Element	CCV2	CCB2	4607-04	4607-05	4607-06	CRI
1	Ag3280	1.028	-.0006	-.0006	.0016	.0094	.0196
2	Al3082	1.072	.0420	92.82	86.25	93.19	.0846
3	As1890	1.046	.0013	.0153	.0156	.0179	.0227
4	Ba4934	1.045	.0001	1.071	.9447	1.027	.0000
5	Be3130	1.025	8 -.0005	.0053	.0273	.1273	.0098
6	Ca3179	^{T.V.} ₁₀₀ 10.05	-.0070	11.22	10.37	11.29	.0261
7	Cd2265	1.032	-.0001	.0002	.0003	.0005	.0102
8	Co2286	1.008	-.0003	.0374	.0320	.0356	.1008
9	Cr2677	1.021	-.0003	.0530	.0463	.0600	.0203
10	Cu3247	1.022	-.0007	.0436	.0964	.2963	.0520
11	Fe2714	1.017	-.0053	66.25	56.90	64.79	.0140
12	K_7664	10.55	.0060	14.69	14.51	15.96	.0043
13	Mg2795	10.22	-.0201	<u>H11.67</u>	<u>H10.70</u>	<u>H11.74</u>	.0271
14	Mn2576	1.002	.0000	2.417	1.943	2.219	.0305
15	Mo2020	1.026	-.0005	.0013	.0018	.0021	.0208
16	Na5889	10.53	.0001	.8502	.6660	.8051	-.0012
17	Ni2316	1.029	-.0001	.0490	.0448	.0546	.0829
18	2203/1	1.007	.0021	.0648	.4478	.7924	.0073
19	2203/2	1.027	-.0031	.0709	.4593	.8140	.0056
20	2068/1	1.021	.0015	.0027	.0033	.0017	.0989
21	2068/2	1.041	.0014	-.0017	-.0020	.0000	.0988
22	1960/1	1.026	.0004	-.0025	-.0037	-.0065	.0076
23	1960/2	1.053	-.0056	-.0100	-.0081	-.0079	.0093
24	Tl1908	1.044	-.0004	-.0022	-.0042	-.0060	.0164
25	V_2924	1.028	.0001	.1182	.0984	.1160	.1036
26	Zn2138	1.023	.0004	.1570	.1519	.1835	.0423
27	PB2203	1.013	.0003	.0668	.4511	.7966	.0052.
28	SE1960	1.035	-.0016	-.0050	8 -.0052	8 -.0074	.0082
29	SB2068	1.035	.0014	-.0002	-.0002	.0001	.0989

#	Element	ICSA	ICSAB	CCV2	CCB2
1	Ag3280	.0010	.9863	1.028	-.0007
2	Al3082	101.0	102.2	1.077	8 .0492
3	As1890	.0030	1.032	1.045	.0011
4	Ba4934	.0002	.4901	1.045	.0000
5	Be3130	-.0004	.4848	^{T.V.} ₁₀₀ 1.026	8 -.0004
6	Ca3179	240.9	240.0	10.02	-.0117
7	Cd2265	.0004	.9475	1.035	-.0001
8	Co2286	.0004	.4703	1.006	-.0002
9	Cr2677	.0004	.4739	1.024	-.0006
10	Cu3247	.0013	.5138	1.014	-.0008
11	Fe2714	89.92	89.75	1.020	-.0087
12	K_7664	.0142	.0230	10.54	-.0056
13	Mg2795	9.505	9.670	10.24	-.0109
14	Mn2576	-.0015	.4642	1.005	.0000
15	Mo2020	.0004	.9898	1.030	-.0007
16	Na5889	.0033	1.362	10.51	-.0003
17	Ni2316	.0020	.9562	1.030	-.0003
18	2203/1	-.0031	.9663	1.006	.0014
19	2203/2	.0001	.9899	1.030	-.0006
20	2068/1	.0013	1.045	1.023	.0022

#	Element	ICSA	ICSAB	CCV2	CCB2
21	2068/2	.0001	1.037	1.040	.0001
22	1960/1	-.0100	.9831	1.024	-.0031
23	1960/2	-.0094	1.008	1.055	-.0008
24	T11908	-.0053	1.010	1.053	.0008
25	V_2924	-.0020	.4765	1.027	-.0001
26	Zn2138	.0027	.9796	1.025	.0002
27	PB2203	-.0005	.9741	1.014	.0008
28	SE1960	-.0098	.9914	1.035	-.0024
29	SB2068	.0005	1.040	1.034	.0013

Method: CLPMO Sample Name: FE100 Operator:
 Run Time: 09/21/94 13:18 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.1094	-.2774	-.0012	.0002	.0008	-.0003
SDev	.0005	.0004	.0007	0	0	.0034
%RSD	.4217	.1339	58.01	20.8	3.308	1194

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0068	-.0000	.0003	-.0006	90.80	-.0054
SDev	.0002	.0001	.0002	.0001	.332	.0037
%RSD	3.019	333.1	77.82	13.35	.3656	68.82

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.2158	-.0027	.0015	-.0069	.0006	.0005
SDev	.0417	.0009	.0004	.0002	.0003	.0023
%RSD	19.32	35.59	26.29	2.608	47.55	466.4

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0007	.0007	.0011	.0006	-.0025	.0051
SDev	.0013	.0017	.001	.0018	.0017	.0024
%RSD	199.3	258.1	89.07	308.3	66.93	47.79

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	.0007	.0015	-.0004	.0015
SDev	.0001	.0002	.002	.0013	.0018
%RSD	10.76	27.64	127.4	290.8	121.4

Method: CLPMO Sample Name: STD1-Blank Operator:
 Run Time: 09/21/94 13:40 Filename: J09214A
 Mode: IR Type: X Corr. Factor: 1.00000
 Lab ID.: Cust. Smp1. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96151	1.26386	-.1839	-.00149	-8.5875	.28835
SDev	.00458	.00259	.09482	.00259	.0175	.00086
%RSD	.47636	.20546	51.5626	173.205	.20384	.30017

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17841	1.81759	-.00924	.01449	-.00049	.04297
SDev	.05623	.00708	.00868	.00229	.00458	.05241
%RSD	31.521	.38981	93.9748	15.802	917.028	121.96

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.02948	.02398	4.08046	.33383	-.34582	.23338
SDev	.00229	0	.02554	.00229	.04153	.021
%RSD	7.76707	0	.62605	.68601	12.011	9.00121

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.05347	.21339	.09095	-.81209	.86206	-.22413
SDev	.04051	.11209	.03373	.11913	.12711	.10149
%RSD	75.7701	52.5306	37.091	14.67	14.7457	45.2841

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm			
Avge	.01074	-.03973			
SDev	.00499	.00198			
%RSD	46.4534	4.99198			

Method: CLPMO Sample Name: STD3 Operator:
 Run Time: 09/21/94 13:46 Filename: J09214A
 Mode: IR Type: X Corr. Factor: 1.00000
 Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	32.2104	4.11994	53.1289	222.947	386.918	4.53273
SDev	.07228	.01227	.2304	.05806	.52918	.00605
%RSD	.2244	.29786	.43367	.02604	.13676	.13367

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	358.626	42.7241	22.2931	10.1629	.83014	49.3398
SDev	.92084	.02926	.03768	.01724	.00456	.02977
%RSD	.25676	.06849	.16903	.16969	.54955	.06034

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.16041	1.53323	98.3748	74.9995	137.845	89.5327
SDev	.02522	.00173	.06086	.07297	.3333	.10603
%RSD	1.16742	.1129	.06186	.0973	.24179	.11843

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	57.1394	72.4993	39.1594	40.1119	58.9006	27.9458
SDev	.33567	.12524	.12606	.21352	.20688	.03181
%RSD	.58746	.17275	.32192	.53232	.35123	.11384

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm			
Avge	33.976	44.4218			
SDev	.03556	.09316			
%RSD	.10467	.20971			

Method: CLPMO Sample Name: ICV Operator: LB
 Run Time: 09/21/94 13:52 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.009	1.014	1.064	1.001	1.027	0100.7
SDev	.0043	.006	.0074	.0026	.0052	.4796
%RSD	.4283	.5882	.6959	.2559	.5096	.4764

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.004	1.002	1.022	1.007	1.005	9.932
SDev	.0069	.0048	.0051	.0021	.009	.0231
%RSD	.6887	.4832	.5027	.2078	.8987	.2321

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.835	.9864	1.031	10.08	1.000	1.004
SDev	.0429	.0046	.0055	.0337	.0062	.0072
%RSD	.4366	.4615	.5309	.334	.6223	.7213

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.9999	1.023	1.016	1.078	1.069	.9925
SDev	.0063	.0054	.0085	.0034	.0077	.0239
%RSD	.6287	.5239	.8375	.3134	.725	2.404

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.9511	1.014	1.001	1.075	1.018
SDev	.005	.0052	.0067	.0047	.0072
%RSD	.5234	.51	.6687	.4351	.7039

Method: CLPMO Sample Name: STD1-Blank Operator:
 Run Time: 09/21/94 14:00 Filename: J09214A
 Mode: IR Type: X Corr. Factor: 1.00000
 Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97201	1.28085	-.17441	.01199	-8.5497	.28685
SDev	.00173	.00481	.03677	.00749	.01509	.00312
%RSD	.1781	.37626	21.0835	62.5	.17651	1.08797

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.23688	1.82558	.00149	.01499	.01017	.03148
SDev	.01332	.00377	.00224	.00149	.00709	.04157
%RSD	5.62543	.20667	150	10	69.755	132.052

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.02948	.02398	4.14092	.35482	-.34657	.22638
SDev	.00229	0	.02735	.00346	.06861	.04888
%RSD	7.76707	0	.66069	.9758	19.7969	21.5918

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.10594	.11094	.16741	-.68515	.84207	-.17166
SDev	.03018	.11042	.06258	.05938	.13871	.02552
%RSD	28.4899	99.5332	37.3802	8.66753	16.4728	14.8664

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm			
Avge	.01099	-.03748			
SDev	.00676	.00449			
%RSD	61.4898	12			

Method: CLPMO Sample Name: STD3 Operator:
 Run Time: 09/21/94 14:06 Filename: J09214A
 Mode: IR Type: X Corr. Factor: 1.00000
 Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	32.3848	4.14442	53.4833	223.437	391.186	4.56571
SDev	.04057	.00086	.11067	.8512	.81772	.00692
%RSD	.12528	.02088	.20693	.38096	.20903	.15166
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	363.455	43.0575	22.5302	10.1494	.84284	49.4063
SDev	1.16427	.08659	.04102	.02977	.00664	.19339
%RSD	.32033	.20112	.18206	.29333	.78811	.39143
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	2.1904	1.54522	99.3803	75.1734	139.328	90.2509
SDev	.00793	.00312	.36438	.26959	.58679	.19858
%RSD	.36218	.20197	.36666	.35862	.42116	.22003
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	57.6442	72.8016	39.2284	40.2279	59.1574	28.1587
SDev	.23296	.20224	.24144	.07346	.31997	.22754
%RSD	.40414	.27779	.61547	.18261	.54088	.80806
Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068	
Units	ppm	ppm				
Avge	34.2426	44.8543				
SDev	.0816	.09891				
%RSD	.23832	.22052				

Method: CLPMO Sample Name: ICV Operator: LB
 Run Time: 09/21/94 14:13 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.007	1.011	1.059	1.001	1.022	10.04
SDev	.0016	.0028	.0017	.0011	.0011	.004
%RSD	.1561	.2774	.1636	.112	.1064	.0399

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9971	.9991	1.018	1.006	.9914	9.919
SDev	.0012	.0013	.0019	.0028	.0047	.0281
%RSD	.1234	.1292	.1897	.2777	.4714	.2836

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.862	.9826	1.024	10.07	.9944	.9977
SDev	.0439	.0017	.0026	.0376	.0027	.0003
%RSD	.445	.1737	.2584	.3731	.2739	.0254

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.002	1.028	1.015	1.075	1.078	.9893
SDev	.0009	.0005	.0031	.0037	.0031	.0107
%RSD	.0898	.0526	.3079	.3426	.2852	1.087

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.9493	1.011	.9976	1.076	1.020
SDev	.0014	.0015	.0005	.0029	.0019
%RSD	.1445	.1495	.0456	.2696	.1877

Method: CLPMO Sample Name: ICB Operator: LB
 Run Time: 09/21/94 14:19 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0042	.0017	.0001	.0001	.0059
SDev	.0001	.0011	.0012	0	0	.0035
%RSD	158.3	25.98	73.42	34.58	17.35	59.73

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0001	-.0002	-.0004	-.0052	.0047
SDev	.0001	.0001	.0001	.0002	.0013	.006
%RSD	204.5	112.1	73.46	43.31	25.75	126.3

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0246	.0000	-.0004	.0014	-.0002	.0006
SDev	.0079	0	.0003	.0007	.0003	.0017
%RSD	31.96	39.88	70.46	49.87	150.5	270.1

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0018	.0018	-.0012	-.0030	.0034
SDev	.0015	.0027	.0013	.002	.0016	.003
%RSD	327.5	149.8	69.24	160.8	53.77	88.42

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0003	.0008	-.0018	.0018
SDev	.0001	.0001	.0005	.0018	.0017
%RSD	37.15	29.3	71.44	101.6	95.75

Method: CLPMO Sample Name: CRI Operator: LB
 Run Time: 09/21/94 14:26 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0195	.0370	.0216	.0000	.0101	.0378
SDev	.0002	.0011	.0009	0	0	.0054
%RSD	1.231	3.073	4.224	354.1	.2068	14.25

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	.1003	.0199	.0519	.0142	.0010
SDev	.0001	.0001	0	.0002	.005	.0051
%RSD	1.349	.0557	.0969	.4344	34.85	496.6

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0428	.0299	.0201	-.0006	.0811	.0055
SDev	.0077	.0006	.0005	.0002	.0001	.0015
%RSD	17.87	1.906	2.458	31.26	.1351	27.88

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0050	.0960	.0950	.0113	.0075	.0180
SDev	.0009	.0008	.0019	.0034	.0029	.0016
%RSD	17.05	.811	2.023	30.27	38.87	8.831

Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1014	.0410	0.0044	.0100	.0948
SDev	.0003	.0001	.0015	.0032	.0007
%RSD	.2813	.3643	33.89	32.1	.758

Method: CLPMO Sample Name: ICSEA Operator: LB
 Run Time: 09/21/94 14:32 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	98.86	.0009	-.0002	.0001	244.5
SDev	.0002	.054	.0023	0	0	.061
%RSD	10.42	.0546	253.4	1.99	32.54	.0249

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0005	.0003	.0019	88.43	.0117
SDev	.0003	.0001	.0002	.0004	.0476	.0094
%RSD	40.25	25.83	64.56	22.81	.0539	80.67

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.566	-.0014	.0002	.0031	.0021	-.0021
SDev	.0893	0	.0005	.0001	.0003	.0007
%RSD	.9333	.1945	267.4	3.059	16.53	32.81

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0003	.0021	.0010	-.0116	-.0138	-.0033
SDev	.0005	.0012	.0003	.001	.001	.0025
%RSD	158.2	59.26	28.39	8.341	7.053	75.06

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	.0025	.0000	-.0123	.0013
SDev	.0001	.0001	.0005	.001	.0005
%RSD	6.191	4.37	52070	7.845	35.89

Method: CLPMO Sample Name: ICSAB Operator: LB
 Run Time: 09/21/94 14:39 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9665	100.3	.9991	.4743	.4755	243.0
SDev	.0016	.1386	.0096	.0005	.0007	.3688
%RSD	.1631	.1382	.9579	.095	.1435	.1518

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9212	.4695	.4660	.5101	88.22	.0179
SDev	.0021	.0005	.0008	.0005	.2027	.0052
%RSD	.2253	.1125	.1815	.0931	.2297	29.24

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.573	.4637	.9671	1.307	.9346	.9601
SDev	.0616	.001	.0022	.0039	.0017	.002
%RSD	.6432	.2101	.2224	.297	.1834	.2098

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.9651	1.024	1.006	.9579	.9650	.9716
SDev	.0036	.0032	.004	.0041	.0082	.0157
%RSD	.3736	.3164	.4016	.4228	.8541	1.619

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.4680	.9601	.9623	.9603	1.012
SDev	.0009	.0021	.0014	.0054	.0024
%RSD	.1869	.2144	.148	.5635	.2368

Method: CLPMO Sample Name: PBS0913A Operator: LB
 Run Time: 09/21/94 14:45 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0247	.0005	.0004	-.0003	.0985
SDev	0	.004	.0023	0	.0001	.0107
%RSD	6.694	16.19	502.8	7.205	51.26	10.88

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0008	-.0001	.0031	.0078	-.0012
SDev	.0001	.0001	.0001	.0003	.0048	.0248
%RSD	85.19	15.09	53.93	10.08	61.55	2041

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0048	.0000	-.0008	.1017	-.0002	-.0010
SDev	.0272	0	.0003	.0002	.0003	.0009
%RSD	562.5	54.48	32.02	.2014	123.3	85.76

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Ti1908
Units						ppm
Avge	.0012	.0016	-.0020	.0000	-.0024	.0030
SDev	.0022	.0007	.0008	.005	.0014	.0007
%RSD	187.9	42.16	38.62	10760	59.29	24.89

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0017	-.0003	-.0008	-.0008
SDev	.0002	0	.0002	.0038	.0007
%RSD	1529	1.689	73.75	483.8	91.41

Method: CLPMO Sample Name: LCSS0913A Operator: LB
 Run Time: 09/21/94 14:51 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4668	46.57	.8702	.7013	.2850	26.16
SDev	.002	.1196	.0062	.0023	.0015	.148
%RSD	.4374	.2568	.7136	.3318	.5389	.5656

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6941	2.004	.4915	.9004	75.05	H45.37
SDev	.0047	.0104	.002	.002	.3882	.1039
%RSD	.679	.5197	.4159	.2235	.5172	.229

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	21.38	1.528	1.137	4.562	1.263	.5967
SDev	.1297	.008	.0062	.0038	.0077	.0042
%RSD	.6066	.5237	.5427	.0829	.6063	.7007

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.5934	.7812	.7696	.8672	.8582	.7437
SDev	.0037	.0056	.0027	.0057	.0034	.0079
%RSD	.6285	.7132	.3533	.6628	.3983	1.062

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.9062	.9141	.5956	.8642	.7740
SDev	.0046	.0048	.0015	.0044	.001
%RSD	.5136	.5305	.26	.5043	.1256

Method: CLPMO Sample Name: 4605-01L Operator: LB
 Run Time: 09/21/94 14:58 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	6.234	.0028	.2400	.0004	2.313
SDev	.0002	.0334	.0021	.0012	0	.014
%RSD	50.54	.5363	73.88.	.4893	4.177	.6054

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0041	.0063	.0481	7.764	1.100
SDev	.0001	.0003	.0003	.0001	.0447	.0186
%RSD	64.9	6.209	4.276	.1761	.5753	1.691

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	1.846	.3393	.0002	.0952	.0063	.0099
SDev	.0262	.0015	.0001	.0004	.0003	.0007
%RSD	1.416	.443	59.29	.4342	4.533	6.945

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0101	.0014	-.0007	.0003	-.0022	.0027
SDev	.0007	.001	.0004	.0038	.0034	.0039
%RSD	6.608	68.28	61.32	1295	156.4	143.4

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0177	.0304	.0115	-.0005	.0000
SDev	0	.0002	.0007	.0036	.0002
%RSD	.174	.6126	5.866	676.2	9277

Method: CLPMO Sample Name: 4605-01 Operator: LB
 Run Time: 09/21/94 15:04 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	31.51	.0066	1.181	.0021	11.33
SDev	.0001	.0776	.0018	.0022	.0001	.0455
%RSD	6.276	.2462	28.09	.1886	3.848	.4015

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0203	.0322	.2429	37.97	6.846
SDev	.0002	.0003	.0002	.0006	.1398	.0391
%RSD	14.47	1.351	.6257	.2666	.368	.5714

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	8.309	1.662	.0010	.5585	.0325	.0509
SDev	.0843	.0069	.0004	.0016	.0006	.0004
%RSD	1.014	.4161	37.3	.2887	1.735	.8704

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0499	.0018	-.0018	-.0012	-.0048	-.0023
SDev	.0024	.0012	.0028	.0041	.0025	.001
%RSD	4.84	66.28	158.7	350.2	52.36	42.92

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0872	.1502	.0506	-.0024	-.0006
SDev	.0006	.0008	.0006	.0028	.0015
%RSD	.6489	.5296	1.179	119	263.7

Method: CLPMO Sample Name: 4605-01R Operator: LB
 Run Time: 09/21/94 15:11 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	36.55	.0063	1.338	.0020	11.77
SDev	.0001	.1441	.0005	.005	0	.058
%RSD	12.7	.3943	7.368	.3713	1.477	.4934

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0213	.0327	.2415	40.27	7.258
SDev	.0001	.0004	.0003	.001	.1849	.0486
%RSD	8.204	2.088	.9824	.402	.4593	.6699

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.026	1.755	.0012	.6926	.0322	.0480
SDev	.0618	.008	.0006	.0024	.0007	.0021
%RSD	.6844	.457	50.12	.3437	2.064	4.386

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0467	.0013	-.0030	-.0056	-.0061	-.0048
SDev	.0012	.0014	.0007	.003	.0015	.0009
%RSD	2.532	103.6	22.6	54.14	24.1	19.25

Elms	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0928	.1489	.0466	L-.0057	-.0015
SDev	.0005	.0006	.0026	.002	.0007
%RSD	.5451	.3956	5.492	35.6	42.65

Method: CLPMO Sample Name: 4605-01S Operator: LB
 Run Time: 09/21/94 15:17 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0535	56.67	.0473	3.361	.0521	13.45
SDev	.0002	.2349	.0023	.0145	.0001	.0206
%RSD	.418	.4146	4.776	.4299	.2417	.1533

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.5349	.2473	1.193	47.81	9.696
SDev	.0001	.001	.0007	.0053	.088	.0506
%RSD	4.891	.1928	.2749	.4478	.124	.5214

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H11.03	2.293	.9944	1.190	.5592	.0700
SDev	.1713	.0035	.0019	.0059	.0014	.0004
%RSD	1.553	.1548	.19	.4981	.2558	.5285

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0667	.0483	.0541	.0082	.0024	.0429
SDev	.001	.0008	.0033	.0026	.0029	.0026
%RSD	1.443	1.588	6.016	31.39	121.8	6.049

Elms	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.6260	.6817	.0704	.0068	.0522
SDev	.0023	.0008	.0003	.0007	.002
%RSD	.3629	.1126	.4269	10.34	3.821

Method: CLPM0 Sample Name: 4605-01A Operator: LB
 Run Time: 09/21/94 15:23 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0544	33.27	2.099	3.195	.0511	11.15
SDev	0	.1106	.0104	.014	.0001	.0305
%RSD	.0911	.3323	.4946	.4395	.2458	.2737

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0530	.5320	.2378	.5026	38.40	6.794
SDev	.0002	.0021	.0012	.0022	.0941	.0545
%RSD	.4306	.3952	.5182	.4346	.2449	.8016

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.201	2.137	1.001	.5558	.5491	.5656
SDev	.1172	.0049	.0046	.0033	.002	.0033
%RSD	1.429	.2272	.4649	.5927	.3577	.5753

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5621	.5192	.5277	2.068	2.068	2.071
SDev	.0019	.0027	.0029	.0036	.0087	.0168
%RSD	.3379	.5178	.5581	.1755	.4189	.8096

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.6021	.6617	.5669	2.068	.5249
SDev	.0027	.0024	.001	.0005	.0011
%RSD	.4402	.3698	.1818	.0228	.2099

Method: CLPMO Sample Name: CCV Operator: LB
 Run Time: 09/21/94 15:30 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.008	1.021	1.014	1.014	1.007	Q10.08
SDev	.0008	.0027	.0015	.0031	.0004	.0146
%RSD	.0809	.2677	.1476	.3066	.0386	.1453

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.007	1.006	1.006	1.010	1.026	10.17
SDev	.0002	.0011	.0006	.0025	.009	.06
%RSD	.0219	.1062	.058	.2478	.8737	.5896

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.994	1.005	1.007	10.24	1.007	1.006
SDev	.0618	.0011	.0018	.0462	.0014	.0011
%RSD	.6184	.1133	.1747	.4512	.1391	.1119

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.005	1.010	1.012	1.010	1.012	1.016
SDev	.0042	.0015	.0026	.0002	.0043	.0002
%RSD	.4159	.1524	.2534	.0232	.4215	.0239

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.010	1.006	1.004	1.010	1.012
SDev	.001	.0005	.0007	.0023	.0021
%RSD	.1009	.0456	.0677	.2254	.2088

Method: CLPMO Sample Name: CCB Operator: LB
 Run Time: 09/21/94 15:36 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0064	.0004	.0000	0-.0001	.0001
SDev	.0002	.001	.0023	0	.0001	.002
%RSD	43.33	15.04	582.1	265.1	41.42	3677
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0002	-.0004	-.0004	-.0083	-.0022
SDev	.0002	.0001	.0001	.0001	.0028	.0057
%RSD	92.63	58.95	18.73	21.66	33.22	264.2
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0267	.0010	-.0005	.0007	-.0004	-.0009
SDev	.0196	0	.0001	.0007	.0001	.0014
%RSD	73.23	.0187	31.59	107.9	35.07	164.6
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0011	.0005	-.0024	.0007	-.0025	-.0004
SDev	.0009	.0017	.0015	.0028	.0009	.0024
%RSD	80.57	360.7	61.34	392.9	37.05	614.3
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0001	.0002	-.0010	-.0004	-.0010	
SDev	.0001	.0001	.0011	.0021	.0015	
%RSD	63.36	38	117.4	590.5	151.6	

Method: CLPMO Sample Name: 4605-02 Operator: LB
 Run Time: 09/21/94 15:43 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	134.1	.0232	2.847	.0065	43.42
SDev	.0001	.1592	.002	.0029	.0001	.145
%RSD	15.87	.1187	8.572	.1016	1.658	.3339

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0486	.0666	.0501	80.34	10.10
SDev	.0002	.0001	.0006	.0002	.1462	.0297
%RSD	48.9	.2948	.9083	.4466	.182	.294

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H14.44	2.562	.0020	6.767	.0577	.0805
SDev	.0943	.0075	.0003	.0101	.0005	.0013
%RSD	.6532	.2911	16.26	.1492	.8929	1.658

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0847	.0020	-.0024	-.0072	-.0109	-.0029
SDev	.0012	.0018	.0019	.0033	.0023	.0016
%RSD	1.361	90.93	77.46	45.12	21.5	57.23

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1394	.1500	.0809	L-.0084	-.0010
SDev	.0002	.0006	.0004	.0025	.001
%RSD	.1457	.3737	.5094	29.98	108.3

Method: CLPMO Sample Name: 4605-03 Operator: LB
 Run Time: 09/21/94 15:49 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	13.99	.0090	.5227	.1643	14.62
SDev	.0002	.0343	.0005	.0007	.0002	.0233
%RSD	1.896	.2453	5.879	.1399	.1334	.1594
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0103	.1014	2.579	23.22	2.021
SDev	.0001	0	.0003	.005	.0449	.0248
%RSD	7.319	.3796	.298	.1932	.1936	1.226
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.831	.4810	.0022	.4134	.0732	.8478
SDev	.0475	.0011	.0003	.0018	.0007	.0031
%RSD	.8154	.2362	14.64	.4306	.9364	.3626
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.8527	.0081	.0102	-.0023	-.0058	-.0032
SDev	.003	.0016	.0013	.0029	.0007	.0017
%RSD	.3537	19.59	12.28	122	12.15	53.41
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0418	.2904	.8464	-.0035	.0095	
SDev	.0002	.0006	.003	.0021	.0004	
%RSD	.5492	.2173	.3487	60.47	4.425	

Method: CLPMO Sample Name: 4605-04 Operator: LB
 Run Time: 09/21/94 15:55 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0137	83.08	.0192	1.245	.0104	14.15
SDev	.0001	.2086	.0013	.0022	.0001	.0105
%RSD	.6288	.2511	6.899	.1786	.5119	.074

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	.0416	.0718	.7010	69.37	11.57
SDev	.0001	.0001	.0003	.0023	.0794	.0324
%RSD	3.955	.2303	.4448	.327	.1145	.28

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H15.56	2.299	.0036	.8401	.0529	.1049
SDev	.0383	.003	.0004	.003	.0002	.0007
%RSD	.2464	.1308	10.67	.3611	.3323	.707

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1232	-.0007	.0001	-.0105	-.0060	-.0047
SDev	.0037	.0018	.0006	.002	.0025	.001
%RSD	3.04	278.7	579.6	19.35	41.83	20.61

Elems	V_2924	Zn2138	PB2203	SE1960	S82068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1350	.2449	.1095	L-.0090	-.0001
SDev	.0003	.0004	.0016	.0006	.0008
%RSD	.2038	.1432	1.443	6.387	530.6

Method: CLPMO Sample Name: 4605-05 Operator: LB
 Run Time: 09/21/94 16:02 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0167	85.02	.0157	3.945	.0045	11.85
SDev	.0001	.1165	.0038	.008	.0001	.0053
%RSD	.7288	.137	24.31	.2034	1.781	.045
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	.0311	.0614	34.69	57.60	9.156
SDev	.0001	.0002	.0001	.0714	.0432	.0251
%RSD	2.594	.6335	.2362	.2058	.0751	.2737
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H12.49	1.867	.0039	.9347	.2754	.2734
SDev	.0744	0	.0003	.0034	.0008	.0005
%RSD	.5956	.0001	7.307	.3602	.2961	.1714
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.2799	-.0041	.0017	-.0048	-.0079	-.0043
SDev	.0029	.0031	.0007	.0032	.0029	.001
%RSD	1.028	75.74	39.62	67.79	36.96	23.4
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.1098	1.486	.2761	L-.0058	-.0002	
SDev	.0003	.001	.0019	.003	.001	
%RSD	.2985	.0652	.7011	50.62	413.6	

Method: CLPMO Sample Name: 4605-06 Operator: LB
 Run Time: 09/21/94 16:08 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	88.23	.0159	.6616	.0064	14.14
SDev	.0001	.0168	.0023	.0007	.0001	.0227
%RSD	125.6	.0191	14.67	.1111	1.866	.1608

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0230	.0563	.0318	53.47	11.44
SDev	.0004	.0002	.0003	.0013	.0826	.0186
%RSD	193.9	.8766	.5356	4.057	.1545	.1628

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H14.31	1.461	.0045	5.672	.0508	.0350
SDev	.0803	.0023	.0004	.003	.0004	.0007
%RSD	.5612	.1555	8.986	.0523	.7293	1.863

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0379	.0012	-.0018	-.0047	-.0082	-.0022
SDev	.0018	.0014	.002	.0022	.0045	.0013
%RSD	4.838	114.1	113.6	46.81	55.33	58.56

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0851	.1367	.0335	L-.0058	-.0008
SDev	.0001	.0005	.0011	.0028	.0015
%RSD	.1642	.3353	3.382	48.12	196.4

Method: CLPMO Sample Name: 4605-07 Operator: LB
 Run Time: 09/21/94 16:15 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elements	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	80.20	.0196	1.142	.0040	11.32
SDev	.0001	.113	.0023	.0016	.0001	.0333
%RSD	9.281	.1409	11.92	.1413	1.869	.2942

Elements	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0343	.0562	.0352	73.78	8.529
SDev	.0002	.0003	.0001	.0002	.1235	.0109
%RSD	39.92	.7674	.2803	.6386	.1674	.1283

Elements	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avg	H11.78	1.903	.0021	.9835	.0435	.0582
SDev	.1051	.002	.0004	.0003	.0006	.0014
%RSD	.892	.1076	17.06	.0296	1.356	2.464

Elements	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avg	.0619	.0028	-.0002	-.0046	-.0075	-.0037
SDev	.0013	.0036	.0017	.0027	.005	.0032
%RSD	2.107	129.4	827.5	59.35	65.91	86.26

Elements	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avg	.1326	.1447	.0580	L-.0056	.0008
SDev	.0003	.0004	.0005	.0022	.0005
%RSD	.2061	.2575	.9201	39.26	62.58

Method: CLPMO Sample Name: 4605-08 Operator: LB
 Run Time: 09/21/94 16:21 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	67.30	.0145	1.073	.0039	14.45
SDev	.0001	.1558	.0013	.0023	.0001	.0474
%RSD	169	.2315	8.853	.2167	2.183	.3283

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0112	.0246	.0461	.2051	58.42	14.27
SDev	.0001	.0002	.0004	.0005	.134	.0291
%RSD	1.131	.6617	.8117	.22	.2294	.2037

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H11.75	1.564	.0015	.6867	.0412	.4331
SDev	.0996	.002	.0001	.0007	.0005	.0007
%RSD	.8481	.1307	6.737	.1087	1.158	.1511

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.4357	.0025	.0005	-.0001	-.0072	-.0039
SDev	.0031	.0007	.002	.0035	.0016	.0019
%RSD	.7185	29.46	399.4	2568	22.14	49.52

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1110	.2100	.4340	-.0025	.0012
SDev	.0001	.0002	.0011	.0019	.0015
%RSD	.1137	.1106	.2461	75.35	129.4

Method: CLPMO Sample Name: 4605-09 Operator: LB
 Run Time: 09/21/94 16:27 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0256	61.42	.0171	.8101	.0058	9.225
SDev	.0007	.088	.0004	.0019	.0001	.1629
%RSD	2.785	.1433	2.289	.2291	2.415	1.765

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.0378	.0535	.1946	61.98	11.14
SDev	.0001	.0013	.0007	.001	.9363	.1206
%RSD	3.427	3.33	1.387	.5352	1.511	1.083

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.958	2.533	.0032	.4917	.0412	.0968
SDev	.4437	.0375	.0016	.0004	.0007	.0053
%RSD	4.456	1.48	50.42	.0837	1.628	5.512

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1075	.0070	-.0009	-.0144	-.0025	-.0048
SDev	.0058	.0058	.0028	.0116	.0052	.0038
%RSD	5.387	82.52	299.1	81.03	209.6	78.6

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1322	.1931	.0988	L-.0104	.0022
SDev	.0018	.0017	.0016	.0062	.0011
%RSD	1.38	.8808	1.651	59.62	48.87

Method: CLPMO Sample Name: 4605-10 Operator: LB
 Run Time: 09/21/94 16:34 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	17.43	.0116	.2778	.0012	7.250
SDev	.0002	.0566	.0008	.0006	.0001	.0264
%RSD	115.8	.3246	7.225	.2208	4.245	.3636

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0070	.0112	.0404	26.45	3.451
SDev	.0002	.0001	.0001	.0003	.0996	.0134
%RSD	8.334	.9594	1.407	.6383	.3764	.3894

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	3.591	1.171	.0012	.4297	.0115	.0478
SDev	.0589	.0035	.0001	.0026	.0002	.0005
%RSD	1.641	.3031	6.905	.603	1.79	1.127

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0458	.0013	-.0005	.0002	-.0034	-.0012
SDev	.0013	.0012	.0014	.0011	.0027	.0004
%RSD	2.772	89.53	272.3	569.4	79.31	32.41

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0280	.1433	.0462	-.0005	.0006
SDev	.0001	.0005	.0008	.001	.0014
%RSD	.4283	.3347	1.682	198	245

Method: CLPMO Sample Name: CCV Operator: LB
 Run Time: 09/21/94 16:40 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.004	1.016	1.006	1.008	.9998	09.970
SDev	.0017	.0014	.0036	.0012	.0011	.03
%RSD	.1714	.1395	.3564	.1145	.1121	.3004

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9971	.9965	.9959	1.010	1.014	10.14
SDev	.0011	.0017	.0019	.0008	.0043	.0236
%RSD	.109	.1658	.1876	.0751	.4203	.2329

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.997	.9934	.9980	10.21	.9989	.9968
SDev	.0321	.001	.0011	.0167	.0014	.0017
%RSD	.3214	.0992	.1135	.1632	.1376	.1699

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.9995	1.006	1.008	1.008	1.014	1.007
SDev	.0032	.0037	.0041	.0047	.0093	.0083
%RSD	.3171	.363	.4072	.4693	.9198	.821

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.002	1.000	.9962	1.010	1.008
SDev	.0007	.001	.0021	.0053	.0033
%RSD	.0657	.0952	.2109	.5245	.3307

Method: CLPMO Sample Name: CCB Operator: LB
 Run Time: 09/21/94 16:47 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0062	.0021	.0001	0-.0001	-.0070
SDev	.0001	.0021	.0015	0	0	.002
%RSD	9.135	33.38	72.27	27.85	24.24	28.68

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0007	-.0003	-.0003	-.0071	-.0052
SDev	.0003	.0001	.0004	.0001	.0069	.0071
%RSD	604.2	13.41	106.2	50.18	97.79	137.2

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0042	.0013	-.0010	.0009	.0000	.0010
SDev	.0101	.0006	.0003	.0007	.0003	.0018
%RSD	239	43.28	33.26	75.06	928.3	175.3

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0015	.0008	-.0001	-.0018	-.0008	-.0018
SDev	.0005	.0019	.0012	.0017	.0025	.003
%RSD	35.82	231	1646	94.26	307.5	165.6

Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0003	.0002	-.0015	.0002
SDev	.0001	.0001	.0012	.001	.0008
%RSD	359.5	47.82	651.2	65.62	378.9

Method: CLPM0 Sample Name: 4605-11 Operator: LB
 Run Time: 09/21/94 16:53 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	90.21	.0158	.9704	.0046	14.81
SDev	.0002	.1395	.0007	.0011	0	.0259
%RSD	64.54	.1546	4.592	.1096	.9832	.1748

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0271	.0424	.0349	52.78	12.90
SDev	.0002	.0001	.0001	.0002	.0687	.0271
%RSD	56.79	.5381	.2753	.6418	.1301	.2098

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H10.89	1.434	.0006	.7900	.0409	.0507
SDev	.0143	.0028	.0003	.0011	.0003	.0014
%RSD	.131	.1982	50.63	.1393	.7609	2.769

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0547	.0017	-.0008	-.0020	-.0099	-.0025
SDev	.0016	.0026	.0026	.0015	.0022	.0022
%RSD	2.844	147.5	324.2	75.99	22.47	86.77

Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0949	.1208	.0525	L-.0051	-.0005
SDev	.0002	.0002	.0011	.0012	.0016
%RSD	.236	.14	2.172	24.31	350.7

Method: CLPMO Sample Name: 4605-12 Operator: LB
 Run Time: 09/21/94 16:59 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	33.70	.0137	.4981	.0025	6.559
SDev	.0001	.0099	.0026	.0001	.0001	.0174
%RSD	181.1	.0295	18.96	.0303	5.256	.2647

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0166	.0235	.0720	37.98	6.192
SDev	.0002	.0001	.0002	.0003	.0224	.0198
%RSD	21.97	.6679	.7358	.4738	.0591	.3191

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.870	1.443	.0016	.4722	.0216	.0780
SDev	.0498	.0006	.0004	.0014	.0005	.0021
%RSD	.8476	.0395	26.6	.3014	2.495	2.63

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0760	.0022	-.0003	-.0038	-.0051	-.0044
SDev	.0023	.0005	.0019	.0031	.0037	.003
%RSD	3.061	23.26	620	80.72	73.33	69.12

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0540	.1556	.0769	-.0042	.0005
SDev	.0001	.0001	.0016	.0032	.0014
%RSD	.1861	.0495	2.103	74.87	262.6

Method: CLPMO Sample Name: 4605-13 Operator: LB
 Run Time: 09/21/94 17:06 Filename: JD9214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	26.33	.0127	.2382	.0036	5.171
SDev	.0002	.0362	.0003	.0003	.0001	.0245
%RSD	247.9	.1376	2.199	.1341	1.8	.4745

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0066	.0176	.0648	29.12	3.369
SDev	.0001	.0001	.0002	.0004	.0761	.0167
%RSD	30.59	1.907	1.182	.573	.2614	.4966

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.724	.8365	.0021	.5497	.0239	.0624
SDev	.0259	.0025	.0003	.0003	.0003	.0011
%RSD	.5481	.2961	15.82	.0634	1.233	1.738

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0613	.0049	.0001	-.0005	-.0063	-.0046
SDev	.002	.0011	.0022	.0023	.0023	.0022
%RSD	3.228	22.48	2167	429.8	37.01	48.41

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0341	.1340	.0635	-.0030	.0017
SDev	.0001	.0006	.0003	.0018	.0011
%RSD	.1846	.4108	.5189	60.06	65.61

Method: CLPMO Sample Name: 4605-14 Operator: LB
 Run Time: 09/21/94 17:12 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0094	21.32	.0317	.3951	.0772	8.462
SDev	0	.0409	.0027	.0009	.0002	.0395
%RSD	.2326	.1917	8.545	.2328	.2085	.4663
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.0108	.0512	18.53	24.80	3.369
SDev	.0002	.0003	.0004	.0173	.1232	.022
%RSD	8.667	2.584	.794	.0933	.4966	.6518
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.125	.6478	.0030	.4514	.0456	5.941
SDev	.0088	.0023	.0001	.0008	0	.0279
%RSD	.1709	.3503	2.943	.18	.1006	.4694
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	5.955	.0513	.0511	-.0037	-.0043	-.0022
SDev	.0124	.0011	.0013	.0032	.0013	.0021
%RSD	.2084	2.063	2.512	87.51	29.96	95.58
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0423	.3464	5.945	-.0029	.0517	
SDev	.0003	.0013	.0192	.0032	.0001	
%RSD	.7622	.3651	.3226	112.3	.2485	

Method: CLPMO Sample Name: 4605-15 Operator: LB
 Run Time: 09/21/94 17:18 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0068	21.52	.0109	.5109	.0466	8.518
SDev	.0001	.0563	.0017	.0012	.0002	.0358
%RSD	1.08	.2616	15.23	.2315	.533	.4205
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0074	.0426	4.723	24.90	3.454
SDev	.0001	.0001	.0003	.0087	.0799	.015
%RSD	4.218	1.445	.6251	.1846	.321	.4346
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.325	.7007	.0022	.4565	.0373	.3588
SDev	.0285	.0015	.0003	.0011	.0007	.0014
%RSD	.5349	.2142	13.68	.2396	1.995	.3982
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.3596	.0162	.0178	-.0047	-.0054	-.0038
SDev	.0018	.0027	.0004	.0006	.0023	.0022
%RSD	.498	16.65	2.511	12.9	43.06	56.61
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0346	.3322	.3591	-.0049	.0172	
SDev	.0004	.0008	.0004	.0012	.0007	
%RSD	1.186	.2468	.1094	23.72	4.18	

Method: CLPMO Sample Name: 4605-16 Operator: LB
 Run Time: 09/21/94 17:25 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: 93 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	93.62	.0149	1.212	.0053	11.83
SDev	.0001	.2173	.0006	.0026	.0001	.0416
%RSD	60.75	.2321	4.1	.2122	1.093	.3517
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0375	.0554	.0410	66.07	15.13
SDev	.0001	.0003	.0005	.0006	.1824	.0397
%RSD	17.08	.8528	.8672	1.37	.276	.2623
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H11.91	2.348	.0019	.7101	.0497	.0623
SDev	.1106	.0073	.0006	.0015	.0001	.0014
%RSD	.9288	.3091	30.34	.2127	.3055	2.263
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0641	.0011	-.0022	-.0021	-.0096	-.0048
SDev	.001	.0018	.0016	.0021	.0023	.0025
%RSD	1.521	158.2	74.44	101.2	24.08	51.6
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.1212	.1664	.0634	-.0046	-.0011	
SDev	.0003	.0007	.0014	.0019	.0014	
%RSD	.2601	.4282	2.259	42.4	131.7	

Method: CLPMO Sample Name: 4605-17 Operator: LB
 Run Time: 09/21/94 17:31 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	78.15	.0159	1.076	.0042	13.15
SDev	.0003	.0985	.001	.0015	.0001	.0278
%RSD	405.2	.126	6.375	.1427	3.084	.2114

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0300	.0488	.2283	59.21	13.05
SDev	.0002	.0001	.0003	.0008	.0377	.0353
%RSD	15.78	.2989	.5939	.343	.0637	.2702

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H11.08	1.700	.0014	.6279	.0422	.2303
SDev	.0601	.0015	.0005	.0007	.0004	.0011
%RSD	.5428	.0885	32.9	.114	.9202	.4952

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.2295	.0010	-.0023	-.0052	-.0086	-.0029
SDev	.0015	.0008	.0014	.0018	.0008	.0005
%RSD	.6579	82.42	62.94	33.64	8.881	16.36

Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1155	.1708	.2300	L-.0064	-.0012
SDev	.0003	.0001	.0004	.001	.001
%RSD	.2314	.0904	.1853	16.3	86.76

Method: CLPMO Sample Name: 4605-18 Operator: LB
 Run Time: 09/21/94 17:38 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	97.03	.0206	1.680	.0056	24.37
SDev	.0002	.0246	.0024	.0011	.0001	.0194
%RSD	606.4	.0254	11.72	.0654	1.203	.0798
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0238	.0585	.0489	69.05	20.12
SDev	.0001	.0002	.0003	.0003	.0765	.0264
%RSD	17.21	.856	.5129	.6966	.1107	.1311
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H15.68	1.084	.0016	6.378	.0517	.0447
SDev	.0714	.001	.0002	.0132	.0001	.0004
%RSD	.4553	.0906	10.68	.2068	.2132	.8604
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0502	.0020	~.0019	-.0054	-.0113	-.0053
SDev	.0006	.0005	.0004	.0033	.004	.0021
%RSD	1.261	27.06	22.73	60.13	35.17	38.8
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.1026	.1843	.0435	L-.0074	-.0006	
SDev	.0003	.0002	0	.0018	.0001	
%RSD	.3204	.1093	.1082	24.48	18.53	

Method: CLPMO Sample Name: CCV Operator: LB
 Run Time: 09/21/94 17:44 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.003	1.021	1.009	1.010	.9976	09.958
SDev	.0018	.0055	.0018	.0037	.0029	.0386
%RSD	.1772	.5347	.1827	.3711	.2944	.3875

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9914	.9944	.9919	1.013	1.016	10.17
SDev	.0044	.0025	.0032	.0027	.0039	.0243
%RSD	.4462	.2551	.3274	.2634	.3884	.2385

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.864	.9901	.9950	10.24	.9939	.9975
SDev	.0309	.003	.0032	.02	.0036	.0017
%RSD	.3134	.3041	.3193	.1951	.3626	.1702

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.9976	1.001	1.009	1.010	1.007	.9967
SDev	.0028	.0021	.0016	.0074	.0026	.001
%RSD	.2829	.2123	.157	.7372	.2535	.1022

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.9995	.9960	.9961	1.010	1.007
SDev	.0024	.0026	.0023	.0051	.0004
%RSD	.2443	.2645	.2271	.5042	.0446

Method: CLPMO Sample Name: CCB Operator: LB
 Run Time: 09/21/94 17:50 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0047	.0006	.0001	0-.0002	-.0035
SDev	.0002	.0009	.001	0	.0001	.0054
%RSD	28.79	19.93	174	30.65	31.89	154
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0006	-.0004	-.0003	-.0054	-.0051
SDev	.0001	.0002	.0002	.0001	.0042	.0111
%RSD	63.54	37.47	46.26	24.79	77.2	218.5
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0088	.0010	-.0008	.0011	-.0002	-.0006
SDev	.0135	0	.0005	.0009	.0002	.0001
%RSD	154	.026	58.07	79.74	89.34	28.96
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0004	.0002	-.0015	-.0011	-.0024	-.0011
SDev	.0011	.0013	.0009	.0001	.001	.0031
%RSD	239	587.9	57.8	12.14	41.72	286.9
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0000	.0001	-.0005	-.0020	-.0014	
SDev	.0001	0	.0003	.0008	.0011	
%RSD	335.3	34.45	67.42	37.09	77.08	

Method: CLPMO Sample Name: PBS0913B Operator: LB
 Run Time: 09/21/94 17:57 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	.0135	.0004	.0002	-.0006	-.0011
SDev	.0001	.001	.0017	0	.0001	.0035
%RSD	11.86	7.114	392.6	20.76	13.66	310.7

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0015	-.0004	.0046	-.0081	.0012
SDev	.0001	.0002	.0001	.0001	.0024	.0122
%RSD	36.2	12.48	32.77	1.842	29.25	1030

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0245	.0000	-.0014	.1042	-.0001	-.0004
SDev	.0196	0	.0004	.0001	.0004	.0015
%RSD	80.15	36.39	31.02	.1068	409.8	350.7

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0003	.0007	-.0012	-.0007	-.0028	-.0019
SDev	.0008	.0022	.0029	.0011	.003	.003
%RSD	289.9	312.7	254.5	149.1	105.9	154.8

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0015	-.0004	-.0014	-.0005
SDev	.0001	.0001	.0008	.0008	.0019
%RSD	50.41	6.261	207.4	53.22	363.4

Method: CLPM0 Sample Name: LCSS0913B Operator: LB
 Run Time: 09/21/94 18:03 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4741	46.89	.8977	.7145	.2902	26.53
SDev	.0004	.1207	.0009	.0012	.0002	.0357
%RSD	.0804	.2573	.1035	.1631	.0785	.1344

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7010	2.026	.4863	.9162	69.94	H46.05
SDev	.0003	.0016	.0003	.0015	.0469	.1945
%RSD	.0455	.079	.0684	.1616	.0671	.4224

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	21.48	1.552	1.127	4.703	1.279	.6049
SDev	.1396	.0011	.0014	.0226	.0006	.0013
%RSD	.6498	.0733	.1198	.4797	.0443	.2214

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6089	.6111	.5975	.9025	.9022	.7484
SDev	.0024	.0045	.0003	.006	.0027	.0121
%RSD	.392	.7314	.0481	.6662	.2958	1.622

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.9101	.9157	.6062	.9024	.6020
SDev	.0007	.001	.0014	.0033	.0013
%RSD	.0716	.1138	.229	.3677	.2238

Method: CLPMO Sample Name: 4605-19 Operator: LB
 Run Time: 09/21/94 18:10 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	72.82	.0174	.8561	.0041	9.024
SDev	.0002	.0905	.0018	.0014	.0002	.039
%RSD	35.87	.1243	10.26	.1587	4.974	.4324

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0399	.0541	.0771	62.69	13.70
SDev	.0001	.0001	.0004	.0001	.1361	.0427
%RSD	7.179	.2796	.6861	.1875	.217	.3118

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H10.48	2.512	.0024	.5163	.0473	.0745
SDev	.0495	.0069	.0004	.0007	.0002	.0025
%RSD	.4724	.2744	16.42	.138	.5075	3.407

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.0740	.0019	-.0019	-.0018	-.0073	-.0008
SDev	.0017	.0023	.0024	.0063	.0046	.0029
%RSD	2.231	120.6	125.9	348.1	63.48	365.6

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1269	.1659	.0744	-.0036	-.0007
SDev	.0002	.0002	.0018	.0048	.0011
%RSD	.197	.1426	2.425	132.3	161

Method: CLPMO Sample Name: 4605-20 Operator: LB
 Run Time: 09/21/94 18:16 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: 93 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	60.18	.0178	.5890	.0035	13.36
SDev	.0002	.0886	.002	.0018	.0001	.0285
%RSD	595.5	.1471	11.36	.2997	3.113	.2131

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0233	.0394	.0418	52.13	12.27
SDev	.0001	.0002	.0001	.0005	.1105	.0257
%RSD	12.52	.9401	.194	1.141	.2119	.2091

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.236	1.662	.0027	.6456	.0324	.1130
SDev	.0652	.0035	.0001	.0019	.0004	.0005
%RSD	.7062	.2135	2.447	.287	1.334	.4321

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1140	.0018	-.0020	.0003	-.0047	-.0051
SDev	.0021	.0013	.0006	.0015	.0025	.0043
%RSD	1.803	73.15	28.47	427	52.69	84.26

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0804	.1631	.1139	-.0013	-.0002
SDev	.0005	.0003	.0012	.0004	.0005
%RSD	.643	.2001	1.082	27.96	216.2

Method: CLPMO Sample Name: 4605-21L Operator: LB
 Run Time: 09/21/94 18:23 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	5.240	.0051	.1046	.0025	1.552
SDev	.0001	.0068	.0014	0	.0001	.0054
%RSD	12.42	.1303	27.76	.0449	3.864	.346
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0018	.0060	.8297	6.004	.5308
SDev	.0002	.0003	.0001	.0018	.0166	.0029
%RSD	99.5	13.87	2.549	.2227	.2762	.5554
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.106	.1715	.0001	.1013	.0066	.3867
SDev	.0159	.0006	.0003	.0002	.0001	.0008
%RSD	1.435	.3315	201.5	.1975	2.119	.2068
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.3882	.0111	.0105	-.0013	.0003	.0006
SDev	.0027	.0005	.0018	.0039	.0037	.0014
%RSD	.6906	4.473	17.65	308.8	1415	228.2
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0080	.0743	.3887	-.0008	.0107	
SDev	.0003	.0003	.0005	.0038	.0011	
%RSD	3.119	.4204	.1382	500.8	9.98	

Method: CLPMO Sample Name: 4605-21 Operator: LB
 Run Time: 09/21/94 18:29 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	26.35	.0144	.5159	.0139	7.637
SDev	.0001	.0225	.0008	.0012	.0001	.0126
%RSD	2.813	.0854	5.444	.229	.3893	.1653
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0084	.0311	4.135	29.54	3.233
SDev	.0001	.0001	.0002	.0092	.075	.0157
%RSD	6.998	1.522	.5347	.2234	.2538	.4848
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	5.227	.8408	.0028	.5785	.0335	1.923
SDev	.0271	.0011	.0006	.0012	.0003	.0022
%RSD	.5186	.1351	21.03	.203	1.003	.1149
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.928	.0492	.0461	-.0074	-.0055	-.0020
SDev	.0117	.0019	.0023	.0009	.0006	.0033
%RSD	.6049	3.902	5.028	12.78	11.21	164
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0403	.3665	1.925	L-.0068	.0471	
SDev	.0003	.0002	.0037	.0008	.0011	
%RSD	.6281	.0578	.1912	11.86	2.244	

Method: CLPM0 Sample Name: 4605-21R Operator: LB
 Run Time: 09/21/94 18:35 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0593	25.23	.0143	.5718	.0146	7.879
SDev	.0003	.0359	.0035	.0009	.0001	.006
%RSD	.5079	.1422	24.85	.1554	.4979	.0764

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0110	.0099	.0294	5.791	31.99	3.143
SDev	.0001	.0001	.0001	.0122	.0506	.0295
%RSD	1.04	.8407	.4579	.2099	.158	.9398

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.042	.9773	.0025	.5504	.0318	2.681
SDev	.0665	.0023	.0002	.0019	.0003	.0147
%RSD	1.319	.2327	9.605	.3487	1.043	.5467

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	2.681	.0067	.0138	-.0003	-.0066	-.0034
SDev	.0199	.0017	.0001	.0029	.0016	.0002
%RSD	.7427	24.81	1.037	941.8	24.01	5.203

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0445	.2711	2.681	-.0024	.0114
SDev	.0001	.0011	.0107	.0021	.0005
%RSD	.1839	.3903	.3984	85.94	4.43

Method: CLPMO Sample Name: 4605-215 Operator: LB
 Run Time: 09/21/94 18:42 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0579	45.62	.0618	2.578	.0678	8.278
SDev	.0003	.1404	.003	.008	.0003	.0365
%RSD	.5831	.3077	4.874	.3102	.4649	.4415
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.5334	.2544	5.324	41.22	5.751
SDev	.0001	.0021	.0013	.0122	.1201	.0225
%RSD	8.837	.3914	.5278	.2287	.2914	.3916
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	6.893	1.319	1.027	.6850	.5747	4.054
SDev	.0677	.003	.0014	.0025	.001	.0035
%RSD	.9818	.2278	.1355	.3684	.1711	.0854
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	4.057	.0869	.0896	.0050	.0048	.0442
SDev	.0173	.0009	.0031	.0041	.0056	.0014
%RSD	.4267	1.079	3.456	81.57	115.5	3.167
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.5817	.8087	4.057	.0049	.0887	
SDev	.0012	.0014	.0079	.0041	.0018	
%RSD	.2085	.1751	.1956	82.46	1.976	

Method: CLPMO Sample Name: CCV1 Operator: LB
 Run Time: 09/21/94 18:48 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.018	1.033	1.026	1.024	1.019	010.11
SDev	.0014	.004	.0074	.0023	.0022	.0179
%RSD	.1411	.3907	.7179	.2244	.2206	.1773

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.014	1.014	1.012	1.027	1.015	10.28
SDev	.0033	.0023	.0016	.0033	.0052	.0188
%RSD	.3266	.2287	.1598	.3201	.5095	.1833

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	10.08	1.010	1.013	10.26	1.013	1.015
SDev	.0612	.0023	.0029	.0273	.0017	.0012
%RSD	.6067	.2254	.2826	.2664	.1722	.1161

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.016	1.019	1.024	1.032	1.032	1.020
SDev	.0042	.0027	.0028	.0036	.0034	.0038
%RSD	.4159	.266	.2687	.3533	.3304	.373

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.018	1.012	1.014	1.032	1.022
SDev	.0018	.0022	.0015	.0031	.0022
%RSD	.1762	.2216	.1501	.3026	.2177

Method: CLPMO Sample Name: CCB1 Operator: LB
 Run Time: 09/21/94 18:55 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0078	.0030	.0000	0-.0004	-.0012
SDev	.0003	.0003	.0004	0	.0001	.0035
%RSD	60.35	3.897	12.03	88.43	15.01	295

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0004	-.0007	-.0002	-.0108	.0014
SDev	.0001	.0003	.0001	.0002	.0007	.0008
%RSD	58.1	65.68	10.24	86.62	6.596	54.82

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0072	.0000	-.0001	.0001	-.0001	.0018
SDev	.0217	0	.0004	.0005	.0001	.0007
%RSD	301.6	6.669	266.5	820.9	38.8	40.99

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0013	.0004	-.0002	-.0012	-.0037	-.0024
SDev	.0009	.0008	.0018	.0017	.0014	.0004
%RSD	70.01	191.9	853.6	150.5	36.56	18.37

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0001	.0007	-.0020	.0000
SDev	0	.0001	.0022	.0014	.001
%RSD	23.92	44.97	295.5	72.21	14150

Method: CLPMO Sample Name: 4605-21A Operator: LB
 Run Time: 09/21/94 19:01 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0562	27.90	2.100	2.538	.0624	7.412
SDev	.0002	.0377	.0072	.0035	.0002	.0124
%RSD	.3995	.135	.3411	.1378	.3194	.1669

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0523	.5181	.2356	4.330	29.70	3.189
SDev	.0001	.0006	.0005	.0114	.0204	.0124
%RSD	.2417	.1139	.2259	.2627	.0687	.3906

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.122	1.321	1.011	.5800	.5466	2.391
SDev	.0258	.0015	.0013	.0022	.0019	.0035
%RSD	.5044	.1139	.1249	.3805	.3564	.1466

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	2.394	.5680	.5688	2.059	2.076	2.045
SDev	.0099	.0029	.0009	.0027	.0174	.0094
%RSD	.414	.5155	.1514	.1299	.8397	.4601

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.5541	.8668	2.394	2.065	.5685
SDev	.0005	.0007	.0056	.0076	.0004
%RSD	.0947	.0751	.2334	.3675	.0725

Method: CLPMO Sample Name: 4605-22 Operator: LB
 Run Time: 09/21/94 19:07 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	7.663	.0078	.1367	.0011	3.306
SDev	.0001	.0071	.0013	.0003	.0001	.0061
%RSD	22.4	.093	16.35	.2083	10.3	.1847

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0031	.0189	.0560	18.43	1.384
SDev	.0001	.0003	.0001	.0004	.0135	.0225
%RSD	37	9.521	.8042	.6668	.0731	1.628

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.158	1.232	.0025	.7454	.0290	.0578
SDev	.0339	.0028	.0004	.0024	.0002	.0017
%RSD	2.93	.231	18.09	.3263	.7702	2.984

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0559	.0018	.0005	-.0020	-.0017	.0013
SDev	.0012	.0022	.0011	.0028	.0034	.0038
%RSD	2.081	118.3	239	142.3	206.3	288.7

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0102	.1234	.0581	-.0019	.0004
SDev	.0001	.0003	.0019	.0011	.0009
%RSD	.5391	.2303	3.206	60.58	211.3

Method: CLPMO Sample Name: 4605-23 Operator: LB
 Run Time: 09/21/94 19:14 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	8.944	.0050	.1034	.0007	2.012
SDev	.0001	.0242	.0029	.0002	.0001	.0162
%RSD	12.47	.271	57.17	.1937	7.836	.8056

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0028	.0111	.0172	25.82	1.285
SDev	.0002	.0001	.0001	.0001	.0469	.0148
%RSD	1133	2.916	.8619	.5039	.1816	1.15

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	1.722	.8669	.0018	.5591	.0143	.0141
SDev	.0265	.0026	.0002	.0024	.0005	.001
%RSD	1.536	.3005	12	.4266	3.705	6.94

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0096	-.0004	.0001	-.0041	-.0059	-.0034
SDev	.0014	.0004	.0005	.0025	.0005	.0046
%RSD	14.96	120.3	534.1	61.22	9.089	136.1

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0122	.1224	.0141	-.0046	-.0001
SDev	0	.0003	.0003	.0015	.0002
%RSD	.3613	.2109	2.01	31.96	406.2

Method: CLPMO Sample Name: 4605-24 Operator: LB
 Run Time: 09/21/94 19:20 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	9.535	.0068	.2881	.0499	5.133
SDev	.0002	.032	.001	.0011	.0001	.0214
%RSD	6.039	.3353	14.43	.3717	.1964	.4167
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0220	.0730	3.419	21.56	1.538
SDev	.0002	.0002	.0004	.0081	.0958	.0088
%RSD	15.14	.8339	.5692	.2386	.4445	.5734
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	3.422	.6335	.0043	.5259	.0463	.3002
SDev	.0519	.0017	.0003	.002	.0001	.0014
%RSD	1.518	.2686	8.197	.3733	.2876	.4663
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.2995	.0117	.0076	-.0024	-.0048	-.0034
SDev	.0022	.0012	.0006	.0026	.0038	.0009
%RSD	.7352	9.79	8.334	110.3	79.94	25.44
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0217	.1955	.2980	-.0032	.0090	
SDev	.0001	.0006	.0007	.0009	.0002	
%RSD	.6423	.2886	.2285	28.02	1.858	

Method: CLPMO Sample Name: 4605-25 Operator: LB
 Run Time: 09/21/94 19:27 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	39.69	.0159	.4939	.0115	63.99
SDev	.0001	.0724	.0013	.0015	.0001	.1005
%RSD	3.532	.1824	8.271	.3065	.4795	.1571
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0176	.0457	.2345	40.46	7.708
SDev	.0001	.0001	.0004	.0006	.0565	.0252
%RSD	10.22	.875	.9122	.2549	.1396	.3268
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	8.667	1.094	.0091	.7673	.0392	.1910
SDev	.0191	.001	.0001	.003	.0004	.0005
%RSD	.2201	.0903	.598	.3924	1.064	.2547
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1910	.0047	.0025	-.0044	-.0056	-.0018
SDev	.0006	.0011	.001	.004	.004	.001
%RSD	.3055	22.83	41.65	91.16	71.35	52.77
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0669	.1545	.1905	-.0048	.0032	
SDev	.0001	.0004	.0007	.0023	.001	
%RSD	.0903	.2645	.3915	47.11	30.53	

Method: CLPMO
Run Time: 09/21/94 19:33
Mode: CONC
Lab ID.: S3

Sample Name: 4605-26
Type: S
Cust. Smpl. ID.:
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Operator: LB

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	20.32	.0106	.3556	.0152	83.88
SDev	.0001	.0229	.0018	.0004	.0001	.2479
%RSD	3.543	.1129	17.21	.1065	.5525	.2956
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0107	.0436	.3238	30.13	4.006
SDev	.0001	0	.0005	.0005	.0335	.0206
%RSD	10.64	.3698	1.032	.1602	.1112	.5147
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	6.554	.8292	.0022	.7147	.0266	.2560
SDev	.0588	.001	.0003	.0012	.0001	.0024
%RSD	.8977	.1187	14.41	.1706	.4889	.9249
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.2580	.0011	-.0025	-.0052	-.0040	-.0017
SDev	.0007	.0004	.0015	.004	.0017	.003
%RSD	.2779	35.78	60.96	76.05	42.01	181.3
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0533	.1312	.2577	L-.0053	-.0018	
SDev	.0003	.0003	.0014	.0036	.0019	
%RSD	.494	.2577	.5277	68.5	105	

Method: CLPMO Sample Name: 4605-27 Operator: LB
 Run Time: 09/21/94 19:39 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0060	23.24	.0124	.4609	.0159	76.02
SDev	.0001	.0473	.0009	.0013	0	.0826
%RSD	2.51	.2035	6.935	.2849	.1813	.1087

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0145	.0473	.5415	36.19	4.897
SDev	.0001	.0002	.0002	.0008	.0493	.0327
%RSD	10.81	1.67	.3538	.1553	.1361	.6681

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	7.179	.9396	.0032	.7914	.0302	.1528
SDev	.0332	.0011	.0007	.0028	.0006	.0008
%RSD	.4627	.1209	21.43	.3518	1.984	.5294

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1534	.0004	.0001	-.0058	-.0051	-.0002
SDev	.0003	.0023	.0011	.0005	.0019	.0022
%RSD	.1762	533.6	672.9	7.977	37.65	1015

Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0639	.1546	.1520	L-.0056	.0002
SDev	.0002	.0003	.0015	.0009	.0008
%RSD	.3392	.1903	.98	16.77	322.5

Method: CLPMO Sample Name: 4605-28 Operator: LB
 Run Time: 09/21/94 19:46 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	35.14	.0113	.5273	.0073	34.63
SDev	.0001	.0619	.0038	.001	.0001	.0856
%RSD	2.079	.1762	33.89	.1967	.9278	.2471
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0166	.0344	.2228	34.79	7.299
SDev	.0001	.0001	.0002	.0005	.026	.0385
%RSD	3.281	.877	.6227	.2026	.0749	.5273
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.815	1.034	.0012	.5669	.0325	.1067
SDev	.0576	.001	.0003	.0016	.0004	.002
%RSD	.7371	.0952	28.19	.2782	1.35	1.88
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1054	.0030	.0013	-.0031	-.0071	-.0046
SDev	.0028	.003	.002	.004	.0028	.0011
%RSD	2.669	100	154.7	128.7	39.92	24.07
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0626	.1729	.1068	-.0044	.0019	
SDev	.0001	.0001	.0018	.0023	.0009	
%RSD	.1738	.0911	1.648	52.31	47.99	

Method: CLPMO Sample Name: 4605-29 Operator: LB
 Run Time: 09/21/94 19:52 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	18.06	.0108	.4910	.0062	187.9
SDev	.0001	.042	.0022	.0009	.0002	.8527
%RSD	2.362	.2324	20.79	.1925	2.664	.4538
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0130	.0592	.6118	35.98	3.138
SDev	.0002	.0001	.0003	.0013	.1265	.0147
%RSD	16.49	.6991	.5401	.2193	.3515	.4676
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.789	.8883	.0042	.8650	.0502	.1130
SDev	.0654	.0025	.0006	.0008	.0005	.0026
%RSD	.8391	.2784	13.03	.0894	1.046	2.324
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1150	.0017	-.0010	-.0068	-.0075	-.0028
SDev	.0021	.001	.0015	.0065	.0032	.0022
%RSD	1.818	56.28	160.5	95.29	42.19	77.04
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0735	.1193	.1151	L-.0071	-.0001	
SDev	.0002	.0005	.0014	.0033	.0012	
%RSD	.3097	.3989	1.206	46.37	1753	

Method: CLPMO Sample Name: CCV1 Operator: LB
 Run Time: 09/21/94 19:59 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.017	1.038	1.025	1.029	1.018	Q10.05
SDev	.0023	.0029	.0027	.0012	.0021	.0252
%RSD	.2263	.2772	.2643	.1141	.2032	.2502

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.014	1.010	1.012	1.025	1.016	10.34
SDev	.0023	.0016	.0026	.0013	.0061	.0296
%RSD	.229	.1552	.2564	.1258	.6003	.2862

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	10.08	1.010	1.014	10.30	1.013	1.013
SDev	.123	.0032	.0047	.0171	.004	.0018
%RSD	1.22	.3138	.4604	.1656	.3982	.1753

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.013	1.019	1.028	1.031	1.032	1.024
SDev	.0015	.0043	.0005	.006	.0025	.007
%RSD	.1523	.4183	.0512	.585	.2401	.6809

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.019	1.013	1.012	1.031	1.025
SDev	.002	.0025	.0001	.0045	.0012
%RSD	.1979	.2425	.0151	.4391	.1176

Method: CLPMO Sample Name: CCB1 Operator: LB
 Run Time: 09/21/94 20:05 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0155	.0006	.0000	0-.0005	-.0023
SDev	.0001	.0006	.0016	0	0	.0021
%RSD	21.38	4.099	282.2	88.14	2.027	89.84

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	-.0002	-.0004	-.0002	-.0072	.0009
SDev	0	.0002	.0003	.0002	.0062	.0073
%RSD	88.33	93.37	75.04	91.7	85.25	812.3

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0087	.0000	-.0005	.0003	.0000	-.0021
SDev	.0309	0	.0001	.0005	.0001	.0015
%RSD	353.7	89.11	17.82	198.2	174.2	72.96

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0002	.0014	.0002	.0034	.0017	-.0001
SDev	.0002	.0028	.0019	.0012	.0013	.0032
%RSD	118.2	206.6	812.4	36.27	77.3	4035

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0001	-.0014	.0028	.0006
SDev	.0001	.0001	.0011	.0006	.0015
%RSD	110	42.92	72.39	22.49	241.4

Method: CLPMO Sample Name: 4605-30 Operator: LB
 Run Time: 09/21/94 20:11 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	46.29	.0106	.5047	.0085	37.64
SDev	.0001	.1691	.0015	.0017	.0001	.1243
%RSD	4.818	.3653	13.93	.3444	.8925	.3303
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0165	.0361	.1557	39.33	7.811
SDev	.0002	.0001	.0001	.0005	.1267	.0299
%RSD	15.78	.7621	.1417	.2913	.3221	.3825
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.070	.9220	.0015	.6595	.0309	.1035
SDev	.0226	.0035	.0002	.0023	.0002	.0005
%RSD	.2796	.3747	13.19	.3443	.7166	.4793
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1051	.0030	-.0003	-.0056	-.0081	-.0036
SDev	.0011	.0018	.0004	.0027	.0033	.0027
%RSD	1.07	61.12	135.4	47.5	40.95	73.65
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0679	.1465	.1030	L-.0065	.0008	
SDev	.0002	.0003	.0014	.0029	.0009	
%RSD	.3569	.2023	1.347	44.39	111	

Method: CLPMO Sample Name: 4605-31 Operator: LB
 Run Time: 09/21/94 20:18 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	64.91	.0236	.7510	.0051	11.99
SDev	.0002	.0544	.0003	.0008	.0001	.0041
%RSD	147.1	.0838	1.289	.1017	1.284	.0345

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0336	.0549	.0830	64.99	11.51
SDev	.0001	.0001	.0001	.0001	.0457	.0238
%RSD	12.67	.382	.1211	.1025	.0703	.2065

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.402	1.969	.0029	.6827	.0448	.1012
SDev	.0289	.0011	.0004	.0017	.0007	.0023
%RSD	.3069	.0577	14.72	.2434	1.479	2.302

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1013	.0043	.0022	-.0000	-.0062	-.0036
SDev	.0016	.0003	.0021	.0021	.0005	.0035
%RSD	1.62	7.506	98.08	4614	7.63	96.77

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1202	.1598	.1013	-.0021	.0029
SDev	.0004	.0004	.0013	.0012	.0015
%RSD	.3613	.2762	1.314	59.17	52.94

Method: CLPMO Sample Name: 4605-32 Operator: LB
 Run Time: 09/21/94 20:24 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	82.09	.0209	1.547	.0051	25.51
SDev	.0002	.1095	.0009	.0023	0	.0448
%RSD	272.9	.1334	4.158	.1502	.9308	.1756

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0235	.0531	.0482	62.54	17.93
SDev	.0001	.0001	.0001	.0001	.1112	.0518
%RSD	22.33	.41	.2734	.1763	.1779	.2891

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H14.57	1.197	.0022	6.109	.0494	.0471
SDev	.0857	.002	.0005	.0178	.0009	.0021
%RSD	.5883	.1711	24.25	.2913	1.812	4.457

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1903
Units						ppm
Avge	.0493	-.0003	.0007	-.0054	-.0078	-.0026
SDev	.0026	.0018	.0024	.0046	.0027	.0028
%RSD	5.209	586.7	333.9	84.88	34.95	108.4

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0935	.1656	.0478	L-.0062	.0004
SDev	.0001	.0007	.0006	.0035	.001
%RSD	.1443	.4144	1.302	56.28	273.3

Method: CLPMO Sample Name: 4605-33 Operator: LB
 Run Time: 09/21/94 20:31 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	75.17	.0166	.7755	.0038	9.982
SDev	.0001	.09	.0015	.0004	.0001	.0244
%RSD	22.54	.1197	9.322	.0546	2.487	.2445

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0350	.0531	.0943	62.81	14.89
SDev	.0002	.0001	.0002	.0004	.191	.0308
%RSD	7.827	.3917	.4711	.3963	.3041	.2068

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H10.64	1.693	.0018	.9588	.0425	.1437
SDev	.1036	.0045	.0004	.0018	.0008	.0003
%RSD	.9742	.2682	23.98	.1863	1.802	.2433

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1466	.0017	.0006	-.0036	-.0072	-.0041
SDev	.0019	.0019	.0022	.0018	.0064	.0032
%RSD	1.283	112.2	402.6	50.25	89.12	78.17

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1218	.1578	.1447	-.0048	.0009
SDev	.0003	.0002	.0008	.0013	.0012
%RSD	.2444	.1193	.5704	27.28	122.9

Method: CLPMO Sample Name: 4605-34 Operator: LB
 Run Time: 09/21/94 20:37 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	140.2	.0871	2.020	.0031	70.77
SDev	.0001	.1999	.0005	.0041	.0001	.1051
%RSD	17.7	.1425	.5429	.2018	1.775	.1485

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.0624	.3742	.1732	H139.6	27.41
SDev	.0001	.0002	.0006	.0001	.2018	.0754
%RSD	2.593	.3964	.1615	.0475	.1446	.2751

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H30.05	2.380	.0060	4.923	.3862	.0541
SDev	.2537	.0043	.0002	.0104	.0007	.0024
%RSD	.8442	.18	2.817	.2115	.1725	4.473

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0651	.0046	.0023	-.0026	-.0110	-.0068
SDev	.0017	.0023	.0022	.0047	.0005	.0043
%RSD	2.637	49.03	95.59	183.8	4.306	63.26

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.3494	.4819	.0558	L-.0054	.0031
SDev	.0004	.0009	.0014	.0033	.0009
%RSD	.1241	.1836	2.474	61.62	29.72

Method: CLPMO Sample Name: 4605-35 Operator: LB
 Run Time: 09/21/94 20:43 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1595	102.7	3.270	1.709	.0048	19.80
SDev	.0005	.1441	.008	.0016	.0001	.0685
%RSD	.3147	.1403	.2454	.0928	2.819	.346

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1028	.0465	.0966	14.78	H131.1	33.61
SDev	.0003	.0002	.0004	.0048	.308	.0276
%RSD	.2603	.4274	.3889	.0326	.2349	.082

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H20.27	H34.12	.0948	3.757	.0599	26.69
SDev	.1038	.1181	.0004	.004	.0005	.0139
%RSD	.5123	.3462	.4634	.1076	.8974	.0709

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	26.87	.0415	.0504	-.0021	-.0098	L-.0100
SDev	.1574	.0023	.0017	.001	.006	.0005
%RSD	.5857	5.523	3.362	47.92	61.4	4.361

Elms	V_2924	Zn2138	P82203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.2429	H20.00	26.75	-.0047	.0475
SDev	.0003	.0561	.0574	.0016	.0004
%RSD	.1252	.2806	.2147	35.15	.848

Method: CLPM0 Sample Name: 4605-36 Operator: LB
 Run Time: 09/21/94 20:50 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0231	94.28	.5268	.9852	.0039	104.1
SDev	.0001	.0997	.0026	.0016	.0001	.2198
%RSD	.6065	.1057	.4864	.1581	3.071	.2111

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1995	.0444	.1018	.5849	H101.1	28.71
SDev	.0004	.0002	.0002	.0016	.0981	.1234
%RSD	.179	.4686	.1858	.2663	.097	.43

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H23.99	2.510	.0069	1.761	.0841	5.756
SDev	.0682	.0023	.0002	.0038	.0001	.0079
%RSD	.2842	.0905	3.291	.2184	.1405	.1381

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	5.802	.0310	.0286	-.0009	-.0088	.0021
SDev	.0237	.0028	.0045	.006	.0027	.0019
%RSD	.4078	9.185	15.75	634.9	30.58	92.79

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.2234	1.633	5.771	-.0036	.0294
SDev	.0002	.0014	.011	.0031	.0023
%RSD	.0902	.0867	.1898	88.31	7.955

Method: CLPMO Sample Name: PBS0914B Operator: LB
 Run Time: 09/21/94 20:56 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.0335	.0008	.0001	-.0009	.0012
SDev	0	.0014	.0001	0	.0001	.0054
%RSD	2.883	4.136	16.43	21.54	5.385	446.5
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0013	-.0003	.0063	-.0013	.0017
SDev	.0001	.0002	.0001	.0002	.0016	.0194
%RSD	55.39	16.84	36.33	2.726	125.5	1145
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0203	.0000	-.0007	.1032	.0002	.0017
SDev	.0104	0	.0006	.0005	.0001	.0009
%RSD	51.36	391	83.95	.4503	69.55	55.49
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0017	.0008	-.0003	.0007	-.0033	-.0005
SDev	.0014	.0023	.0003	.0042	.0016	.0002
%RSD	82.46	285.1	123.1	605.4	48.64	36.29
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0001	.0022	.0017	-.0006	.0006	
SDev	.0002	.0001	.0002	.0033	.0017	
%RSD	167.7	3.025	10.1	510.5	301.6	

Method: CLPMO Sample Name: CCV1 Operator: LB
 Run Time: 09/21/94 21:03 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.021	1.049	1.035	1.034	1.023	010.05
SDev	.0003	.0023	.0048	.0011	.0009	.0266
%RSD	.0286	.2148	.4613	.1021	.0883	.2643

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.023	1.012	1.016	1.024	1.016	10.39
SDev	.0003	.0011	.0003	.0014	.0051	.0126
%RSD	.0266	.1038	.0278	.1323	.4997	.1212

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	10.13	1.004	1.021	10.34	1.022	1.010
SDev	.0648	.0021	.001	.0112	.0012	.002
%RSD	.6398	.2045	.0934	.1088	.1148	.1986

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	1.018	1.021	1.034	1.032	1.039	1.031
SDev	.0021	.0022	.002	.0028	.0122	.0042
%RSD	.2083	.2137	.1949	.2752	1.173	.4033

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.023	1.018	1.013	1.034	1.030
SDev	.0008	.0002	.002	.0039	.0007
%RSD	.0824	.0183	.1989	.3816	.0639

Method: CLPMO Sample Name: CCB1 Operator: LB
 Run Time: 09/21/94 21:09 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0226	.0015	.0000	0-.0005	-.0094
SDev	.0001	.0008	.0006	0	.0001	.002
%RSD	13	3.695	40.95	56.07	10.85	21.62

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0006	-.0007	-.0004	-.0089	-.0002
SDev	0	.0002	.0001	.0001	.0034	.0119
%RSD	19.2	30.22	20.14	33.35	38.38	5564

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0109	.0000	-.0004	.0001	-.0006	-.0006
SDev	.0039	0	.0006	.0006	.0001	.0019
%RSD	35.63	30.17	176	473.3	19.23	300.1

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0005	.0010	-.0005	-.0033	-.0011	-.0010
SDev	.0017	.0003	.001	.001	.0026	.0011
%RSD	336	31.05	173.2	31.78	234.8	117.6

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0003	-.0006	-.0020	-.0000
SDev	.0001	0	.0018	.0006	.0007
%RSD	54.3	5.605	297.5	31.75	2200

Method: CLPMO Sample Name: LCSS0914B Operator: LB
 Run Time: 09/21/94 21:15 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smp1. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5024	48.84	.8772	.7215	.2823	25.86
SDev	.0008	.1163	.0035	.001	.0008	.0845
%RSD	.1624	.2382	.3976	.1368	.2727	.3266

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6802	1.964	.4751	.8948	79.05	H45.68
SDev	.0009	.004	.0005	.0029	.0844	.1244
%RSD	.1287	.2036	.1112	.3224	.1068	.2723

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	21.04	1.514	1.114	4.601	1.249	.5854
SDev	.0575	.0015	.0026	.0145	.0018	.0005
%RSD	.2731	.0992	.2291	.3154	.1411	.0843

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.5984	.6404	.6274	.8721	.8805	.7314
SDev	.0062	.0049	.0016	.0032	.0026	.0124
%RSD	1.038	.7594	.2577	.3662	.2937	1.7

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.8918	.9069	.5897	.8749	.6317
SDev	.0007	.0011	.0023	.0027	.0023
%RSD	.0793	.126	.3934	.3052	.3589

Method: CLPMO Sample Name: 4605-40 Operator: LB
 Run Time: 09/21/94 21:22 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	18.99	.0141	.2014	.0009	3.970
SDev	.0003	.0314	.0008	.0005	.0001	.0123
%RSD	83.1	.1651	5.357	.2388	14.25	.3101

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0068	.0125	.0280	32.52	3.172
SDev	.0002	.0001	.0001	.0003	.0618	.0203
%RSD	31.44	1.037	1.105	1.101	.1899	.6391

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	3.215	.8350	.0039	.5791	.0111	.0576
SDev	.0281	.001	.0002	.0012	.0003	.0014
%RSD	.8752	.1177	5.026	.2107	2.886	2.501

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0530	.0006	.0019	-.0024	-.0034	.0002
SDev	.0012	.0003	.0016	.0025	.0028	.0038
%RSD	2.335	39.57	84.03	103	81.48	2238

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0331	.1480	.0556	-.0027	.0015
SDev	.0002	.0003	.0015	.001	.0011
%RSD	.5113	.1835	2.644	35.56	73.06

Method: CLPMO Sample Name: 4606-01L Operator: LB
 Run Time: 09/21/94 21:28 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	12.80	.0027	.1198	.0010	9.587
SDev	.0002	.015	.0019	.0001	.0001	.0146
%RSD	287.1	.1171	68.51	.1279	7.333	.1522
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0041	.0089	.0227	10.33	1.692
SDev	0	.0001	.0001	.0005	.0192	.0095
%RSD	7.262	3.377	1.201	2.094	.1858	.5641
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	2.158	.2981	.0003	.1557	.0078	.0164
SDev	.0236	0	.0004	.0003	.0005	.0013
%RSD	1.095	.0004	108.7	.1947	7.046	7.831
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0168	.0006	-.0014	-.0008	-.0039	-.0003
SDev	.0016	.0011	.0009	.0028	.0006	.0049
%RSD	9.533	203.2	66.86	344.9	15.73	1784
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0162	.0308	.0180	-.0018	-.0007	
SDev	.0003	.0002	.0004	.0021	.0004	
%RSD	1.659	.5828	2.224	112.1	57.56	

Method: CLPMO Sample Name: 4606-01 Operator: LB
 Run Time: 09/21/94 21:35 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	65.14	.0128	.5883	.0076	47.11
SDev	.0002	.0598	.0027	.0001	.0001	.116
%RSD	13.61	.0919	21.09	.0171	1.634	.2462

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0218	.0452	.1161	50.37	10.91
SDev	.0001	.0001	.0004	.0003	.0373	.0242
%RSD	17.27	.6852	.7864	.254	.074	.2213

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.229	1.446	.0021	.9562	.0375	.0842
SDev	.1124	.002	.0003	.0012	.0002	.0028
%RSD	1.217	.1417	15.92	.1232	.4745	3.385

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0878	.0032	-.0022	-.0041	-.0068	-.0046
SDev	.0015	.0017	.0025	.0018	.0033	.004
%RSD	1.762	54.96	116.1	43.52	49.45	87.57

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0803	.1530	.0844	-.0045	-.0004
SDev	.0002	.0004	.0022	.0011	.0011
%RSD	.2158	.2888	2.648	24.6	283.1

Method: CLPMO Sample Name: 4606-01R Operator: LB
 Run Time: 09/21/94 21:41 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	63.05	.0132	.5508	.0072	30.68
SDev	.0001	.1285	.0019	.0004	.0001	.0983
%RSD	14.8	.2037	14.28	.0739	2.065	.3206

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0190	.0464	.0902	47.88	10.45
SDev	0	.0001	.0005	.0004	.1039	.0152
%RSD	6.261	.3276	1.015	.4315	.217	.1455

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	8.991	1.102	.0023	.8805	.0366	.0961
SDev	.129	.0032	.0004	.0016	.0002	.0015
%RSD	1.434	.2871	17.39	.1854	.5769	1.572

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0996	.0020	-.0013	-.0072	-.0068	-.0033
SDev	.0019	.0013	.0031	.0045	.0027	.0005
%RSD	1.954	65.78	231.6	62.11	39.57	15.89

Elms	V_2924	Zn2138	PB2203	SE1960	SB2062
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0780	.1486	.0963	L-.0066	-.0002
SDev	.0003	.0004	.0013	.0032	.0017
%RSD	.3748	.2756	1.396	49.41	769.5

Method: CLPMO Sample Name: 4606-01S Operator: LB
 Run Time: 09/21/94 21:48 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0555	90.54	.0546	2.706	.0581	35.64
SDev	.0002	.3419	.0007	.0106	.0001	.0929
%RSD	.3679	.3776	1.21	.3919	.2365	.2607

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.5342	.2747	.5571	58.87	15.45
SDev	.0001	.0014	.0009	.0025	.161	.1245
%RSD	21.42	.2598	.333	.442	.2734	.8059

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H11.38	1.778	1.001	1.466	.5721	.1649
SDev	.1034	.005	.0042	.0091	.0014	.0031
%RSD	.9087	.2786	.4193	.6222	.2488	1.882

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1683	.0278	.0315	.0064	.0024	.0419
SDev	.0029	.0027	.0038	.0015	.0025	.0067
%RSD	1.704	9.785	11.93	24.13	104.5	16

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.6253	.7110	.1675	.0050	.0303
SDev	.0018	.0016	.0011	.0018	.0018
%RSD	.2821	.2313	.6697	36.67	6.087

Method: CLPMO Sample Name: 4606-01A Operator: LB
 Run Time: 09/21/94 21:54 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0541	66.03	2.125	2.616	.0559	45.99
SDev	.0003	.0885	.0082	.0078	.0003	.184
%RSD	.5287	.134	.3856	.2998	.4498	.4001

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0514	.5226	.2468	.3770	50.24	10.77
SDev	0	.0022	.0007	.0011	.1203	.0465
%RSD	.051	.4244	.265	.2992	.2395	.4317

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.068	1.915	1.017	.9431	.5451	.5893
SDev	.0665	.0044	.0016	.0023	.0017	.0043
%RSD	.733	.2317	.1606	.2455	.3127	.7294

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.5976	.5237	.5324	2.088	2.118	2.083
SDev	.0007	.0026	.0032	.0032	.0059	.0093
%RSD	.1194	.5014	.595	.155	.2791	.4479

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.5886	.6597	.5936	2.097	.5295
SDev	.0009	.0008	.0016	.0023	.003
%RSD	.1526	.1276	.2706	.1075	.5606

Method: CLPMO Sample Name: 4606-02 Operator: LB
 Run Time: 09/21/94 22:00 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	80.38	.0181	.6366	.0035	13.15
SDev	.0001	.3648	.0017	.002	0	.072
%RSD	9.345	.4539	9.16	.3128	.9694	.5474

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0244	.0522	.0467	64.94	15.12
SDev	.0001	.0003	.0002	.0001	.219	.0536
%RSD	25.59	1.083	.3303	.1865	.3373	.3544

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H10.52	1.476	.0027	.7538	.0423	.0520
SDev	.0807	.0057	.0001	.0046	.0005	.0022
%RSD	.7671	.3847	3.156	.6096	1.131	4.155

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.0554	.0018	-.0005	-.0025	-.0097	-.0004
SDev	.0014	.0013	.004	.0013	.001	.0031
%RSD	2.538	72.37	761.7	50.31	9.883	868.7

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1015	.1720	.0531	-.0049	.0002
SDev	.0005	.0005	.0011	.0009	.0031
%RSD	.4492	.2713	2.06	17.62	1260

Method: CLPMO Sample Name: CCV2 Operator: LB
 Run Time: 09/21/94 22:07 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.021	1.055	1.038	1.036	1.018	Q10.06
SDev	.0007	.0022	.0026	.0024	.0003	.0165
%RSD	.0725	.208	.2538	.2312	.0264	.1641

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.019	1.003	1.011	1.022	1.009	10.46
SDev	.0002	.0005	.0012	.0016	.0085	.0206
%RSD	.0202	.0475	.1167	.161	.8419	.1969

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	10.05	1.000	1.019	10.45	1.016	1.007
SDev	.0548	0	.0022	.0036	.0012	.0005
%RSD	.5454	.0001	.22	.0344	.1177	.0461

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.019	1.019	1.033	1.026	1.043	1.034
SDev	.0039	.0029	.0008	.0048	.0037	.0046
%RSD	.3838	.2894	.0785	.4696	.3551	.4507

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.020	1.015	1.010	1.032	1.028
SDev	.0007	.0016	.0022	.004	.0015
%RSD	.0719	.1548	.2149	.3858	.1479

Method: CLPMO Sample Name: CCB2 Operator: LB
 Run Time: 09/21/94 22:13 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.0331	.0019	.0000	0-.0006	-.0093
SDev	0	.0005	.0001	0	0	.004
%RSD	2.909	1.646	7.017	76.44	2.02	43.29

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0006	-.0005	-.0009	-.0086	-.0008
SDev	.0002	.0001	.0001	.0003	.0055	.009
%RSD	743.4	14.98	25.7	28.86	64.03	1079

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0200	.0000	-.0007	-.0003	-.0001	.0001
SDev	.0143	0	.0003	.0005	.0003	.0003
%RSD	71.41	55.88	36.67	160.3	483.8	437.5

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0013	.0028	-.0005	-.0001	.0013	-.0005
SDev	.0005	.0007	.001	.0013	.0019	.0021
%RSD	41.14	23.76	187.8	1365	151	402.6

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0002	-.0004	-.0001	-.0004
SDev	.0001	.0001	.0004	.0006	.0005
%RSD	12030	42.4	101.9	457	127

Method: CLPMO Sample Name: 4606-03 Operator: LB
 Run Time: 09/21/94 22:20 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0216	84.89	.0151	.6722	.0126	11.49
SDev	.0002	.03	.0021	.0005	.0001	.0369
%RSD	.776	.0354	13.74	.067	.8482	.3215

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0312	.0734	.5018	60.56	13.61
SDev	0	0	.0002	.0007	.0342	.0159
%RSD	4.803	.0723	.3143	.1329	.0565	.1167

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H10.58	1.677	.0034	.8079	.0582	.0903
SDev	.0494	.0011	.0006	.0004	.0008	.0024
%RSD	.4675	.0678	17.8	.0512	1.3	2.621

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0919	.0008	.0003	-.0053	-.0097	-.0010
SDev	.0016	.0018	.0004	.0038	.0019	.0014
%RSD	1.745	215	125.6	71.86	19.87	142.2

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1075	.1978	.0894	L-.0068	.0010
SDev	.0003	.0002	.0011	.0031	.0005
%RSD	.2574	.1258	1.22	45.85	46.61

Method: CLPMO Sample Name: 4606-04 Operator: LB
 Run Time: 09/21/94 22:26 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	16.32	.0143	.4027	.0071	144.6
SDev	.0003	.0138	.0039	.0002	.0001	.0967
%RSD	7.592	.0845	27.48	.0461	1.382	.0669

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.0118	.0467	.5084	36.65	3.508
SDev	.0001	.0003	.0004	.001	.0661	.027
%RSD	4.477	2.765	.8252	.1907	.1802	.7694

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	7.848	.7680	.0027	.9951	.0377	.1566
SDev	.0742	.0011	.0003	.0045	.0004	.0018
%RSD	.9451	.148	10.44	.4472	.9518	1.163

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1622	.0033	-.0020	-.0068	-.0049	-.0025
SDev	.0022	.0013	.0017	.0009	.0037	.0017
%RSD	1.38	41.13	86.65	13.83	75.52	67.69

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0639	.1694	.1585	L-.0062	-.0003
SDev	.0003	.0001	.0008	.0007	.0009
%RSD	.5018	.0744	.5028	10.71	364

Method: CLPMO Sample Name: 4606-05 Operator: LB
 Run Time: 09/21/94 22:32 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	52.38	.0131	1.066	.0025	10.20
SDev	.0003	.0643	.0016	.0014	.0001	.0258
%RSD	47.85	.1228	11.91	.131	2.372	.2528

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0104	.0331	.0204	40.19	9.185
SDev	.0002	.0004	.0001	.0001	.0667	.0536
%RSD	75.68	3.562	.4182	.4215	.1659	.5833

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.138	.9972	.0015	1.021	.0292	.0216
SDev	.08	.001	.0004	.002	.0004	.0015
%RSD	.8759	.0985	24.63	.1942	1.364	6.85

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0218	.0015	-.0015	-.0031	-.0090	-.0021
SDev	.0015	.0014	.002	.0018	.0004	.003
%RSD	6.816	96.47	136.6	59.61	4.254	143.9

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0540	1239	.0227	L-.0051	-.0010
SDev	0	.0003	.0011	.0011	.0015
%RSD	.057	.2757	4.905	21.91	155

Method: CLPMO Sample Name: 4606-06 Operator: LB
 Run Time: 09/21/94 22:39 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	83.36	.0169	1.147	.0035	10.44
SDev	.0002	.0358	.0002	.0008	.0001	.0101
%RSD	20.67	.0429	1.416	.0705	1.65	.0967

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0298	.0588	.0326	65.21	14.65
SDev	.0003	.0002	.0001	.0001	.015	.0486
%RSD	206.2	.6442	.2467	.4523	.0231	.332

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H13.36	1.546	.0032	1.002	.0450	.0455
SDev	.0345	0	.0003	.0021	.0005	.0016
%RSD	.258	.0001	9.349	.2131	1.014	3.421

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0492	.0040	-.0024	-.0039	-.0100	-.0017
SDev	.0013	.0029	.0021	.0031	.001	.0011
%RSD	2.668	73.06	87.72	78.29	10.41	63.56

Elms	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1106	.1592	.0467	L-.0060	-.0003
SDev	.0004	.0001	.0014	.0023	.0015
%RSD	.3416	.0371	3.079	38.9	539.2

Method: CLPMO Sample Name: 4606-07 Operator: LB
 Run Time: 09/21/94 22:45 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1585	96.35	3.268	1.697	.0047	19.21
SDev	.0002	.1361	.0128	.0035	.0001	.0418
%RSD	.1566	.1413	.3921	.2058	1.492	.2178
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1024	.0447	.0921	14.61	H126.6	32.81
SDev	.0002	.0003	.0001	.0133	.2531	.1274
%RSD	.2158	.6097	.1411	.0909	.1998	.3882
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H19.95	H33.79	.0928	3.669	.0589	26.31
SDev	.1381	.1127	.0003	.0077	.0006	.0316
%RSD	.6923	.3336	.3459	.2094	1.019	.1203
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	26.74	.0339	.0411	.0013	-.0103	-.0087
SDev	.1073	.001	.0019	.0024	.0038	.0011
%RSD	.4014	2.81	4.522	186.9	37.27	12.52
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.2324	H19.89	26.46	-.0026	.0387	
SDev	.0002	.0593	.0565	.0027	.0013	
%RSD	.1067	.298	.2135	103.6	3.401	

Method: CLPMO Sample Name: 4607-01 Operator: LB
 Run Time: 09/21/94 22:52 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	99.15	.0160	1.026	.0373	13.10
SDev	.0001	.1147	.0012	.0017	.0001	.0291
%RSD	4.605	.1157	7.739	.1675	.1657	.2221

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0368	.0583	.1227	66.75	16.55
SDev	.0003	.0002	.0001	.0001	.0944	.0545
%RSD	61.62	.6122	.1182	.1215	.1414	.3292

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H11.78	2.338	.0021	.8339	.0498	.1275
SDev	.0814	.0034	.0006	.0016	.0001	.0012
%RSD	.6914	.1458	27.01	.1859	.157	.9032

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1312	.0028	-.0026	-.0050	-.0098	-.0050
SDev	.0038	.0012	.0029	.0023	.0009	.002
%RSD	2.904	41.84	110.1	46.21	8.911	39.63

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1208	.1834	.1257	L-.0066	-.0008
SDev	.0007	.0006	.0006	.0013	.0016
%RSD	.6205	.3466	.4612	19.27	198.5

Method: CLPMO Sample Name: 4607-02 Operator: LB
 Run Time: 09/21/94 22:58 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	91.74	.0165	1.041	.0120	10.94
SDev	.0002	.0333	.0002	.0005	.0001	.0496
%RSD	757.2	.0363	1.05	.044	.4746	.4533

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0350	.0533	.0595	65.94	15.04
SDev	.0001	.0002	.0003	.0002	.1787	.0533
%RSD	19.7	.7066	.5115	.3822	.271	.3542

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H11.67	2.109	.0020	.7651	.0466	.1020
SDev	.0557	.0049	.0004	.0024	.0003	.0002
%RSD	.4769	.2301	21.93	.3192	.651	.1365

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1129	.0028	-.0009	-.0033	-.0094	-.0043
SDev	.0026	.0012	.0006	.0021	.0037	.0035
%RSD	2.263	44.58	65.14	63.63	39.11	79.9

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1188	.1593	.1096	L-.0053	.0003
SDev	.0003	.0004	.001	.0006	.0007
%RSD	.2255	.2241	.8882	10.49	251.9

Method: CLPMO Sample Name: 4607-03 Operator: LB
 Run Time: 09/21/94 23:05 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	122.3	.0202	1.120	.0057	11.51
SDev	.0001	.3348	.0029	.0032	.0001	.0063
%RSD	11.55	.2738	14.61	.2894	1.275	.0544

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0388	.0607	.0436	74.33	16.14
SDev	.0001	.0002	.0003	.0001	.0439	.1
%RSD	826.9	.5889	.4942	.1988	.0591	.6193

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H13.05	2.220	.0014	.8764	.0515	.0731
SDev	.0721	.0015	.0003	.0047	.0003	.0012
%RSD	.5528	.0678	21.99	.5332	.5636	1.689

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0789	.0019	-.0011	-.0041	-.0107	-.0063
SDev	.002	.0013	.0016	.0058	.0045	.0026
%RSD	2.491	68.7	144.1	141.4	42.32	41.9

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1328	.1758	.0750	L-.0063	-.0001
SDev	.0004	.0003	.0008	.0025	.0012
%RSD	.285	.156	1.035	40.5	979.3

Method: CLPMO Sample Name: CCV2 Operator: LB
 Run Time: 09/21/94 23:11 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.028	1.072	1.046	1.045	1.025	010.05
SDev	.0014	.0029	.0019	.001	.0022	.03
%RSD	.1359	.274	.1816	.098	.2155	.2984

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.032	1.008	1.021	1.022	1.017	10.55
SDev	.002	.0029	.0025	.0003	.011	.0171
%RSD	.1896	.2832	.2487	.03	1.085	.1617

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	10.22	1.002	1.026	10.53	1.029	1.007
SDev	.0133	.0026	.0013	.0042	.0026	.0026
%RSD	.1307	.2601	.1301	.04	.2515	.2615

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	1.027	1.021	1.041	1.026	1.053	1.044
SDev	.0031	.0034	.0034	.0031	.0074	.0046
%RSD	.3037	.3326	.3306	.304	.7031	.4448

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.028	1.023	1.013	1.035	1.035
SDev	.0014	.0021	.0028	.0042	.0034
%RSD	.1337	.2074	.2733	.4072	.3298

Method: CLPMO Sample Name: CCB2 Operator: LB
 Run Time: 09/21/94 23:17 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0420	.0013	.0001	0-.0005	-.0070
SDev	.0001	.0018	.0003	0	0	.0041
%RSD	19.81	4.205	23.05	56.85	8.669	57.96

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0003	-.0003	-.0007	-.0053	.0060
SDev	.0001	.0002	.0002	.0004	.0016	.0115
%RSD	170.7	59.11	60.93	52.92	31.07	190.8

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0201	.0000	-.0005	.0001	-.0001	.0021
SDev	.017	0	.0003	.0005	.0002	.0007
%RSD	84.48	33.51	67.3	751.6	176.9	34.72

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0031	.0015	.0014	.0004	-.0056	-.0004
SDev	.0006	.0005	.0019	.0016	.0007	.0019
%RSD	20.32	33.64	135.3	423	12.47	452.8

Elms	V_2924	Zn2138	PB2203	SE1960	SB2063
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0004	.0003	-.0016	.0014
SDev	.0001	.0001	.0003	.0008	.0012
%RSD	36.35	12.64	79.75	49.85	34.38

Method: CLPMO Sample Name: 4607-04 Operator: LB
 Run Time: 09/21/94 23:24 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	92.82	.0153	1.071	.0053	11.22
SDev	.0002	.2939	.0016	.0024	.0001	.0554
%RSD	37.48	.3167	10.71	.2239	2.142	.4935
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0374	.0530	.0436	66.25	14.69
SDev	.0001	.0004	.0004	.0002	.1581	.058
%RSD	53.52	.9418	.7418	.3885	.2386	.3947
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H11.67	2.417	.0013	.8502	.0490	.0648
SDev	.1168	.0082	.0002	.0025	.0006	.001
%RSD	1.001	.3393	16.83	.299	1.174	1.544
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0709	.0027	-.0017	-.0025	-.0100	-.0022
SDev	.001	.0008	.0012	.0013	.003	.0017
%RSD	1.378	27.73	74.12	53.08	30.25	75.4
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.1182	.1570	.0668	-.0050	-.0002	
SDev	.0004	.0004	.0009	.0006	.001	
%RSD	.3251	.2851	1.28	12.33	489.4	

Method: CLPMO Sample Name: 4607-05 Operator: LB
 Run Time: 09/21/94 23:30 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	86.25	.0156	.9447	.0273	10.37
SDev	.0001	.1336	.002	.0013	.0001	.0158
%RSD	8.13	.1549	12.49	.1405	.4676	.1524

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0320	.0463	.0964	56.90	14.51
SDev	0	.0001	.0002	.0001	.1152	.0411
%RSD	15.38	.2954	.5034	.0868	.2024	.2831

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H10.70	1.943	.0018	.6660	.0448	.4478
SDev	.0242	.0035	.0001	.0008	.0006	.002
%RSD	.2264	.1778	7.996	.1203	1.365	.4365

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.4593	.0033	-.0020	-.0037	-.0081	-.0042
SDev	.0006	.002	.0021	.0047	.0022	.0016
%RSD	.1207	59.73	105.9	127.8	26.94	38.71

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0984	.1519	.4511	L-.0052	-.0002
SDev	.0003	.0002	.002	.0025	.0021
%RSD	.271	.1189	.452	49.26	881.4

Method: CLPM0 Sample Name: 4607-06 Operator: LB
 Run Time: 09/21/94 23:37 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0094	93.19	.0179	1.027	.1273	11.29
SDev	.0001	.0386	.0008	.0021	.0004	.0486
%RSD	1.58	.0414	4.242	.2027	.279	.4307
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0356	.0600	.2963	64.79	15.96
SDev	.0002	.0003	.0003	.001	.119	.0832
%RSD	41.58	.8568	.448	.349	.1836	.5212
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H11.74	2.219	.0021	.8051	.0546	.7924
SDev	.058	.0025	.0004	.0036	.0004	.0029
%RSD	.4942	.1115	16.46	.442	.6407	.371
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.8140	.0017	.0000	-.0065	-.0079	-.0060
SDev	.0065	.0023	.0032	.0019	.0002	.0031
%RSD	.8003	135.1	15050	29.98	2.309	52.2
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.1160	.1835	.7966	L-.0074	.0001	
SDev	.0001	.0003	.0034	.0019	.0009	
%RSD	.0809	.1825	.4327	25.86	1113	

Method: CLPMO Sample Name: CRI
 Run Time: 09/21/94 23:43 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0196	.0846	.0227	.0000	.0098	.0261
SDev	.0001	.0011	.0029	0	0	.0035
%RSD	.4221	1.289	12.79	15.88	.1855	13.54

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	.1008	.0203	.0520	.0140	.0043
SDev	.0001	.0003	.0001	.0004	.0008	.0046
%RSD	.7918	.3358	.7406	.7148	5.975	105.5

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0271	.0305	.0208	-.0012	.0829	.0073
SDev	.017	0	.0004	.0002	.0006	.0015
%RSD	62.96	.0006	2.021	20.01	.7076	20.98

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	.0989	.0988	.0076	.0093	.0164
SDev	.0018	.0006	.0014	.0023	.0024	.0019
%RSD	32.87	.5571	1.439	30.67	26.22	11.72

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1036	.0423	.0052	.0082	.0989
SDev	.0002	.0002	.001	.0015	.0011
%RSD	.2116	.5247	18.82	18.83	1.072

Method: CLPMO Sample Name: ICSA Operator: LB
 Run Time: 09/21/94 23:49 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	101.0	.0030	.0002	-.0004	240.9
SDev	.0002	.124	.0016	0	.0001	.1838
%RSD	24.34	.1227	53.8	9.839	15.8	.0763
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0004	.0004	.0013	89.92	.0142
SDev	.0001	.0002	.0002	.0003	.1331	.0204
%RSD	20.51	50.08	44.65	19.27	.148	143.6
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.505	-.0015	.0004	.0033	.0020	-.0031
SDev	.036	0	.0002	0	.0002	.0034
%RSD	.3788	.5242	46.08	.4225	12.05	109.8
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0001	.0013	.0001	-.0100	-.0094	-.0053
SDev	.0031	.0013	.0031	.0025	.0029	.0038
%RSD	2037	97.67	3816	24.79	30.61	71.17
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0020	.0027	-.0005	-.0098	.0005	
SDev	.0003	.0001	.0012	.0008	.0018	
%RSD	15.31	2.358	242.1	8.555	365.9	

Method: CLPMO Sample Name: ICSAB Operator: LB
 Run Time: 09/21/94 23:56 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9863	102.2	1.032	.4901	.4848	240.0
SDev	.0003	.0951	.0022	.0004	.0005	.193
%RSD	.0294	.0931	.216	.0857	.1109	.0804

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9475	.4703	.4739	.5138	89.75	.0230
SDev	.001	.0011	.0009	.0006	.1322	.017
%RSD	.1032	.2366	.1898	.1089	.1473	73.65

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.670	.4642	.9898	1.362	.9562	.9663
SDev	.0852	.0006	.0011	.0011	.0019	.0022
%RSD	.8813	.1209	.11	.0774	.1956	.2324

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.9899	1.045	1.037	.9831	1.008	1.010
SDev	.0028	.0045	.0036	.0024	.0017	.0248
%RSD	.2856	.4282	.3468	.2441	.1687	2.453

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.4765	.9796	.9741	.9914	1.040
SDev	.0003	.0012	.0016	.0021	.0013
%RSD	.0658	.1192	.1597	.2134	.1259

Method: CLPMO Sample Name: CCV2 Operator: LB
 Run Time: 09/22/94 00:02 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.028	1.077	1.045	1.045	1.026	Q10.02
SDev	.0009	.0006	.002	.001	.0015	.03
%RSD	.0921	.0602	.1949	.1	.1487	.2991

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.035	1.006	1.024	1.014	1.020	10.54
SDev	.0006	.002	.0017	.0016	.0055	.0106
%RSD	.0589	.1992	.1625	.1627	.5379	.1002

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	10.24	1.005	1.030	10.51	1.030	1.006
SDev	.051	.0015	.0023	.0092	.0016	.0014
%RSD	.4983	.1499	.2253	.0877	.1549	.1411

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.030	1.023	1.040	1.024	1.055	1.053
SDev	.0015	.0031	.0049	.0021	.0031	.0051
%RSD	.1446	.3065	.4735	.2046	.2933	.4812

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.027	1.025	1.014	1.035	1.034
SDev	.0015	.0009	.0006	.0007	.0029
%RSD	.1477	.0881	.0631	.0685	.2789

Method: CLPMO Sample Name: CCB2 Operator: LB
 Run Time: 09/22/94 00:09 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	0.0492	.0011	.0000	0-.0004	-.0117
SDev	.0002	.0011	.0009	0	0	0
%RSD	24.17	2.337	80.27	133.6	4.652	.3923

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0002	-.0006	-.0008	-.0087	-.0056
SDev	.0001	.0001	.0001	.0002	.0014	.0044
%RSD	176	32.75	21.84	26.97	16.42	79.47

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0109	.0000	-.0007	-.0003	-.0003	.0014
SDev	.0237	0	0	.0006	.0002	.001
%RSD	217	17.19	5.495	182.6	56.42	71.23

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0006	.0022	.0001	-.0031	-.0008	.0008
SDev	.0009	.0008	.0019	.0009	.0009	.0028
%RSD	153.1	36.33	1464	29.55	110	365.9

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0002	.0008	-.0024	.0013
SDev	.0002	.0001	.0008	.0008	.0008
%RSD	429	33.99	108.1	32.98	57.84

File : 0915HG1.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type Matrix	Instrument Dil.	Date	Time	Flags
1	BLANK	S0	3		09/15/94	08:00:00	
2	STD1	S1	3		09/15/94	08:01:00	
3	STD2	S1	3		09/15/94	08:02:00	
4	STD3	S5	3		09/15/94	08:03:00	
5	STD4	S10	3		09/15/94	08:04:00	
6	ICV1-1		0	1.0	09/15/94	08:10:00	
7	ICB1-1		0	1.0	09/15/94	08:11:00	
8	CRA1		0	1.0	09/15/94	08:12:00	
9	PBS0915A		0	1.0	09/15/94	08:13:00	
10	PBS0915B		0	1.0	09/15/94	08:14:00	
11	CLPLCS0915A		0	1.0	09/15/94	08:15:00	
12	CLPLCS0915B		0	1.0	09/15/94	08:16:00	
13	4605-01		0	1.0	09/15/94	08:17:00	
14	4605-02		0	1.0	09/15/94	08:18:00	
15	4605-03		0	1.0	09/15/94	08:19:00	
16	4605-04		0	1.0	09/15/94	08:20:00	
17	4605-05		0	1.0	09/15/94	08:21:00	
18	CCV1-1		0	1.0	09/15/94	08:22:00	
19	CCB1-1		0	1.0	09/15/94	08:23:00	
20	4605-06		0	1.0	09/15/94	08:24:00	
21	4605-07		0	1.0	09/15/94	08:25:00	
22	4605-08		0	1.0	09/15/94	08:26:00	
23	4605-09		0	1.0	09/15/94	08:27:00	
24	4605-10		0	1.0	09/15/94	08:28:00	
25	4605-11		0	1.0	09/15/94	08:29:00	
26	4605-12		0	1.0	09/15/94	08:30:00	
27	4605-13		0	1.0	09/15/94	08:31:00	
28	4605-14		0	1.0	09/15/94	08:32:00	
29	4605-15		0	1.0	09/15/94	08:33:00	
30	CCV1-2		0	1.0	09/15/94	08:34:00	
31	CCB1-2		0	1.0	09/15/94	08:35:00	
32	4605-16		0	1.0	09/15/94	08:36:00	
33	4605-17		0	1.0	09/15/94	08:37:00	
34	4605-18		0	1.0	09/15/94	08:38:00	
35	4605-19		0	1.0	09/15/94	08:39:00	
36	4605-20		0	1.0	09/15/94	08:40:00	
37	4605-21		0	1.0	09/15/94	08:41:00	
38	4605-22		0	1.0	09/15/94	08:42:00	
39	4605-23		0	1.0	09/15/94	08:43:00	
40	4605-24		0	1.0	09/15/94	08:44:00	
41	4605-25		0	1.0	09/15/94	08:45:00	
42	CCV1-3		0	1.0	09/15/94	08:46:00	
43	CCB1-3		0	1.0	09/15/94	08:47:00	
44	4605-26		0	1.0	09/15/94	08:48:00	
45	4605-27		0	1.0	09/15/94	08:49:00	
46	4605-28		0	1.0	09/15/94	08:50:00	
47	4605-29		0	1.0	09/15/94	08:51:00	
48	4605-30		0	1.0	09/15/94	08:52:00	
49	4605-31		0	1.0	09/15/94	08:53:00	
50	4605-32		0	1.0	09/15/94	08:54:00	
51	4605-33		0	1.0	09/15/94	08:55:00	
52	4605-37		0	1.0	09/15/94	08:56:00	
53	4605-38		0	1.0	09/15/94	08:57:00	
54	CCV1-4		0	1.0	09/15/94	08:58:00	
55	CCB1-4		0	1.0	09/15/94	08:59:00	
56	4605-39		0	1.0	09/15/94	09:00:00	
57	4605-40		0	1.0	09/15/94	09:01:00	
58	CCV1F		0	1.0	09/15/94	09:02:00	
59	CCB1F		0	1.0	09/15/94	09:03:00	

Calculated Data for HG 253.700

Calibration Coefficients : A0 A1 A2 Exponent
 0.00253 0.02208 0.00000 1.00

#	Lab. Name	Date	Time	Type	Dil	Concentration in UG/L			4
						1	2	3	
1	ICV1-1	09/15/94	08:10:00	0	1.0	4.0518			
2	ICB1-1	09/15/94	08:11:00	0	1.0	-0.1147			
3	CRA1	09/15/94	08:12:00	0	1.0	1.0175			
4	PBS0915A	09/15/94	08:13:00	0	1.0	-0.1147			
5	PBS0915B	09/15/94	08:14:00	0	1.0	-0.1147			
6	CLPLCS0915A	09/15/94	08:15:00	0	1.0	2.6026			
7	CLPLCS0915B	09/15/94	08:16:00	0	1.0	3.6895			
8	4605-01	09/15/94	08:17:00	0	1.0	0.3834			
9	4605-02	09/15/94	08:18:00	0	1.0	0.2476			
10	4605-03	09/15/94	08:19:00	0	1.0	-0.1147			
11	4605-04	09/15/94	08:20:00	0	1.0	-0.1147			
12	4605-05	09/15/94	08:21:00	0	1.0	2.8743			
13	CCV1-1	09/15/94	08:22:00	0	1.0	5.5916			
14	CCB1-1	09/15/94	08:23:00	0	1.0	-0.1147			
15	4605-06	09/15/94	08:24:00	0	1.0	-0.1147			
16	4605-07	09/15/94	08:25:00	0	1.0	0.5193			
17	4605-08	09/15/94	08:26:00	0	1.0	-0.1147			
18	4605-09	09/15/94	08:27:00	0	1.0	-0.1147			
19	4605-10	09/15/94	08:28:00	0	1.0	1.1533			
20	4605-11	09/15/94	08:29:00	0	1.0	-0.1147			
21	4605-12	09/15/94	08:30:00	0	1.0	0.2023			
22	4605-13	09/15/94	08:31:00	0	1.0	-0.1147			
23	4605-14	09/15/94	08:32:00	0	1.0	0.2476			
24	4605-15	09/15/94	08:33:00	0	1.0	-0.1147			
25	CCV1-2	09/15/94	08:34:00	0	1.0	4.7311			
26	CCB1-2	09/15/94	08:35:00	0	1.0	-0.1147			
27	4605-16	09/15/94	08:36:00	0	1.0	-0.1147			
28	4605-17	09/15/94	08:37:00	0	1.0	0.5193			
29	4605-18	09/15/94	08:38:00	0	1.0	3.4177			
30	4605-19	09/15/94	08:39:00	0	1.0	1.2439			
31	4605-20	09/15/94	08:40:00	0	1.0	-0.1147			
32	4605-21	09/15/94	08:41:00	0	1.0	-0.1147			
33	4605-22	09/15/94	08:42:00	0	1.0	-0.1147			
34	4605-23	09/15/94	08:43:00	0	1.0	-0.1147			
35	4605-24	09/15/94	08:44:00	0	1.0	1.9232			
36	4605-25	09/15/94	08:45:00	0	1.0	0.3381			
37	CCV1-3	09/15/94	08:46:00	0	1.0	4.2329			
38	CCB1-3	09/15/94	08:47:00	0	1.0	-0.1147			
39	4605-26	09/15/94	08:48:00	0	1.0	-0.1147			
40	4605-27	09/15/94	08:49:00	0	1.0	0.3381			
41	4605-28	09/15/94	08:50:00	0	1.0	-0.1147			
42	4605-29	09/15/94	08:51:00	0	1.0	1.4704			
43	4605-30	09/15/94	08:52:00	0	1.0	0.7910			
44	4605-31	09/15/94	08:53:00	0	1.0	-0.1147			
45	4605-32	09/15/94	08:54:00	0	1.0	-0.1147			
46	4605-33	09/15/94	08:55:00	0	1.0	-0.1147			
47	4605-37	09/15/94	08:56:00	0	1.0	-0.1147			
48	4605-38	09/15/94	08:57:00	0	1.0	4.1424			
49	CCV1-4	09/15/94	08:58:00	0	1.0	4.1424			
50	CCB1-4	09/15/94	08:59:00	0	1.0	-0.1147			
51	4605-39	09/15/94	09:00:00	0	1.0	0.8363			
52	4605-40	09/15/94	09:01:00	0	1.0	0.2023			
53	CCV1F	09/15/94	09:02:00	0	1.0	4.8670			
54	CCB1F	09/15/94	09:03:00	0	1.0	-0.1147			



Mercury Analysis Bench Log

Run ID: H109154A
 Analyst: 8
 Date: 091594
 Method: 7471
 Correlation Coefficient: 0.9971
 Calibration Prep Batch ID: C5H0915A/B

Calibration Standard	Absorbance	Cal. Point Used (Y/N)
1 <u>0.0</u> ppb	<u>0.000</u>	<u>Y</u>
2 <u>0.5</u> ppb	<u>0.015</u>	<u>Y</u>
3 <u>1.0</u> ppb	<u>0.032</u>	<u>*Y</u>
4 <u>2.0</u> ppb	<u>.2</u>	<u>*N</u>
5 <u>7.5</u> ppb	<u>2</u>	<u>*N</u>
6 <u>10.0</u> ppb	<u>0.228</u>	<u>*Y</u>
7 <u>5.0</u> ppb	<u>0.102</u>	<u>Y</u>

S-Cubed Sample ID	Absorbance	Serial Dilution	Sample Prep./ Spike	Conc.	% Recovery	Comments
ICV	<u>0.012</u>		5 ppb	<u>4.05</u>	<u>81</u>	
ICB	<u>0.000</u>			<u><0.2</u>		
CLT	<u>0.025</u>		<u>1 ppb</u>	<u>1.02</u>		
PBS 0915A	<u>0.000</u>			<u><0.2</u>		
PBS 0915B	<u>0.000</u>			<u>↓</u>		
LCSS 0915A	<u>0.060</u>		<u>CR214, 3.07</u>	<u>2.60</u>	<u>85</u>	
LCSS 0915B	<u>0.084</u>		<u>" 3.52</u>	<u>3.69</u>	<u>105</u>	
4605-01	<u>0.011</u>			<u>0.38</u>		
02	<u>0.008</u>			<u>0.25</u>		
03	<u>0.000</u>			<u><0.2</u>		
04	<u>0.000</u>			<u>↓</u>		
05	<u>0.066</u>			<u>2.87</u>		
CCV 01	<u>0.126</u>		5 ppb	<u>5.59</u>	<u>112</u>	
CCB 01	<u>0.000</u>			<u><0.2</u>		
4605-06	<u>0.000</u>			<u>↓</u>		
07	<u>0.014</u>			<u>0.52</u>		
08	<u>0.000</u>			<u><0.2</u>		
09	<u>0.000</u>			<u>↓</u>		
10	<u>0.028</u>			<u>1.15</u>		
11	<u>0.000</u>			<u><0.2</u>		
12	<u>0.007</u>			<u>0.20</u>		
13	<u>0.000</u>			<u><0.2</u>		
14	<u>0.008</u>			<u>0.25</u>		
✓ 15	<u>0.006</u>			<u><0.2</u>		

Reviewed 777

SA-10(B), Rev. 05/93

SDG: 4605ICF GRAPH SHEET
LOT# 4605

FILE ID	ANALYSIS	EXCEPTION	ADDITION	SAMPLE ID
QC1 T091648	LANL	-AS		PBS0913A
				LESS0919A, 4605-01,01L,01R,01S,01A, 02,03,04,05,06,07,08,09,10,11,12,13, 14,15,16,17,18,19,20
QC2 J09214A	AS,PB,SE, TL			PB/LESS0919A 4605-01,01L,01R,01S,01A,02,03,04, 05,06,07,08,09,10,11,12,13,14,15, 16,17,18,19,20

SAMPLE ID

BT

ZN

BUT



Prep. Batch ID.: CS0913A
Analyst: EW Date: 7/19/14

Sample Digestion Log

Form: 4S
Digestion Method: CLP ICP
Matrix Type: Soli

Reagents Added		
10 mL 1:1 HNO ₃	4 mL H ₂ O ₂	
5 mL HNO ₃	5 mL 1:1 HCl	

Bkr. No.	Sample ID Color Code: <u>R</u>	Sample Size (g)	Final Volume (mL)	Color		Texture		Comments/ Spikes	①	②
				Init.	Final	Text.	Artif.			
	PBS 0913A	1.00	200.00							
	LCSS 0913A	2.00						EAA 219		
1	4605-01	1.00		beery yellow		fine				
2	-012							2 mL H ₂ O ₂ 13.02 mL Spike 2 mL 1:1 HCl 5.67		
3	-015									
4	-02									
5	-03									
6	-04									
7	-05									
8	-06									
9	-07									
10	-08									
11	-09									
12	-10									
13	-11									
14	-12									
15	-13									
16	-14									
17	-15									
18	-16									
19	-17									
20	-18									



Prep.
Batch No.: CSH0915A

Reagents Added	
5 mL H ₂ O	
5 mL Aqua Regia	

Sample Digestion Log

Form: 10S

Digestion Method: HG

Matrix Type: Soil

Bottle No.	Sample ID	Sample Size (g)	Final Volume (mL)	Color		Texture		Comments/Spikes	Corrective Action
				Init.	Final	Text.	Artif.		
	PBS 0915A	0.200	100						
	LCSS 0915A	0.0096							
	4605-01	0.196						GA 219, TV = 3.07gpb	
	03	0.200							Insufficient sample size
	03	0.211							Sample lost in process
	04	0.197							Digest/Distillate lost
	05	0.205							Sample matrix problem
	06	0.215							Holding time missed
	07	0.200							Matrix spike out of spec.
	08	0.197							LCS out of spec.
	09	0.203							Blank contamination
	10	0.215							Alternate Method required
	11	0.206							Insufficient QC
	12	0.213							Spiking error
	13	0.203							Other:
	14	0.205						H109154A PV = 100.1	
	15	0.196						SI = 0.5 w/ 100.5A-1-10 10.0	
	16	0.203						SI = 2.0 2.0	
	17	0.195						SI = 7.5 4.0	
	18	0.212						SI = 12.0 3.0	
	19	0.204						SI = 12.0 4.0	
	20	0.209	✓					KV/AVF 3.0 2.0	

Corrective Action Completion	
Date:	
Review:	
Notes:	

Corrective Action Required	
Date Required:	
URGENT	
Redigest/Redistill	
Redo Documentation/Report	

Analyst: S Date: 091594

MAXWELL

S-CUBED Division

Lot No. 4605

Metals Internal Traffic Log

DC No. _____

Date Received: 8-27-1994

Date Sampled: 7-21-1994

Client Code: LANL

Received by: AMY SMITH

Client SDG:

Project Notes:

Date Printed: 8-29-1994

Data Due Date: 9-16-1994

Turnaround Required: 30 DAY

S-Cubed Project Manager: R. PHILLIPS

Reporting Level: FULL CLP

Charge Number: 32507-30-73

Case No./Project Code: 18681

SDG No.: 4605

Analysis Requirements

Analysis Code: **ICPILM**
 Analyte List: Ag, Al, Ba, Be, CA, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, V, Zn
 Sample Prep.: Leaching:
 Digestion: CLP
 Extraction:
 Other:
 Spiking: CLP Calibration: CLP
 QC Level: O MS MSD Rep LCS Blank
 Notes:

Holding Time Expiration: 2-23-1995

Custody Record

Sample Prep.	Analyst	Date	Storage
1. <i>Table 12</i>	<i>WJ</i>	<i>9/13/94</i>	
2	<i>mc</i>	<i>9/27/94</i>	
3			
4			
5			
6			
7			
8			
Data Reduction			

S-Cubed Sample No.	Sample Identification	Samp. Type	Samp Storage	SDG No.: 4605
4605-01	94.18548	SOIL	W11	<i>1</i>
4605-02	94.18551	SOIL	W11	
4605-03	94.18555	SOIL	W11	
4605-04	94.18557	SOIL	W11	
4605-05	94.18560	SOIL	W11	
4605-06	94.18561	SOIL	W11	
4605-07	94.20311	SOIL	W11	
4605-08	94.20312	SOIL	W11	
4605-09	94.20313	SOIL	W11	
4605-10	94.20314	SOIL	W11	
4605-11	94.20315	SOIL	W11	
4605-12	94.20316	SOIL	W11	
4605-13	94.20317	SOIL	W11	
4605-14	94.20318	SOIL	W11	<i>1</i>

Container Description

QC Level: _____
 1 - Low (Blank, LCS)
 2 - CLP
 3 - RCRA
 4 - Other: _____
 Sample Type
 Soil = Soil/Sediment/Sludge
 Water = Aqueous
 NSS = Non-Soil Solid
 NAL = Non-Aqueous Liquid

Lot No. 4605

Metals Internal Traffic Log

DC No.

Date Received: 8-27-1994

Date Sampled: 7-27-1994

Client Code: LANL

Received by: AMY SMITH

Client SDG:

Project Notes:

Date Printed: 8-29-1994

Data Due Date: 9-16-1994

Turnaround Required: 30 DAY

S-Cubed Project Manager: R. PHILLIPS

Reporting Level: FULL CLP

Charge Number: 32507-30-73

Case No./Project Code: 18681

SDG No.: 4605

Analysis Requirements

[illegible]

QC Level:

1 - Low (Blank, LCS)

2 - CLP

3 - RCRA

4- Other:

Sample Type

Soil = Soil/Sediment/Sludge

Water = Aqueous

NSS = Non-Soil Solid

NAL = Non-Aqueous Liquid

Container Description

Custody Record			
Sample Prep.	Analyst	Date	Storage
Analytical Runs 1 7091610	BL	9/13/90	
2	an	9/17/90	
3			
4			
5			
6			
7			
8			
Data Reduction			

MAXWELL

S-CUBED Division

Lot No. 4605

Metals Internal Traffic Log

DC No. _____

Date Received: 8-27-1994

Received by: AMY SMITH

Date Printed: 8-29-1994

Turnaround Required: 30 DAY

Reporting Level: FULL CLP

Date Sampled: 7-21-1994

Client SDG:

Client Code: LANL

Project Notes:

Data Due Date: 9-16-1994

S-Cubed Project Manager: R. PHILLIPS

Charge Number: 32507-30-73

Case No./Project Code: 18681

SDG No.: 4605

Analysis Requirements

Analysis Code: **HGILM**
 Analyte List:
 Sample Prep.: Leaching:
 Digestion: CLP
 Extraction:
 Other:
 Spiking: CLP Calibration: CLP
 QC Level: O MS MSD Rep LCS Blank
 Notes:

Holding Time Expiration: 9-22-1994

Custody Record

Sample Prep.	Analyst	Date	Storage
1	F	091544	
2	S	091544	
3			
4			
5			
6			
7			
8			
Data Reduction			

S-Cubed Sample No.	Sample Identification	Samp. Type	Samp Storage				
4605-01	94.18548	SOIL		W11			
4605-02	94.18551	SOIL		W11			
4605-03	94.18555	SOIL		W11			
4605-04	94.18557	SOIL		W11			
4605-05	94.18560	SOIL		W11			
4605-06	94.18561	SOIL		W11			
4605-07	94.20311	SOIL		W11			
4605-08	94.20312	SOIL		W11			
4605-09	94.20313	SOIL		W11			
4605-10	94.20314	SOIL		W11			
4605-11	94.20315	SOIL		W11			
4605-12	94.20316	SOIL		W11			
4605-13	94.20317	SOIL		W11			
4605-14	94.20318	SOIL		W11			

Container Description

QC Level:
 1 - Low (Blank, LCS)
 2 - CLP
 3 - RCRA
 4 - Other:
 Sample Type
 Soil = Soil/Sediment/Sludge
 Water = Aqueous
 NSS = Non-Soil Solid
 NAL = Non-Aqueous Liquid

Metals Internal Traffic Log

Lot No. 4605

DC No.

Date Received: 8-27-1994

Date Sampled: 7-27-1994

Client Code: LANL

Received by: AMY SMITH

Client SDG:

Project Notes:

Date Printed: 8-29-1994

Data Due Date: 9-16-1994

Turnaround Required: 30 DAY

S-Cubed Project Manager: R. PHILLIPS

Reporting Level: FULL CLP

Charge Number: 32507-30-73

Case No./Project Code: 18681

SDG No.: 4605

Analysis Requirements

[illegible]**QC Level:**

1 - Low (Blank, LCS)

2-CLP

3 - RCRA

4- Other:

Sample Type
Soil = Soil/Sediment/Sludge

Water = Aqueous

NSS = Non-Soil Solid

NAL = Non-Aqueous Liquid

[illegible]

Analysis Code: HGILM

Analyte List:

Sample Prep.: Leaching:

Digestion:CLP

Extraction:

Other

Spiking: CLP

Calibration: CLP

QC Level: 0

MS MSD Rep LCS Blank

Notes:

Holding Time Expiration: 9-22-1994

Custody Record			
	Analyst	Date	Storage
Sample Prep.	h	09/15/14	
Analytical Runs			
1 H109154A	z	09/15/14	
2			
3			
4			
5			
6			
7			
8			
Data Reduction			



Some parts appear the same BUT

This must be volume 2
of 2 (see Peggy's note
on previous volume.
Page numbers aren't
equivalent and this part
has 583 pp. vs. 427 pp. in the
other. Linda Willis 6-11-97

VOLUME 1 OF 1

REFERENCE NO.:
PROJECT:
CLIENT:
ANALYSIS:

32507-30-73/SDG 4605.1
18681
LANL
METALS

Report Sent To: DA
Approved By: Tad [Signature]
Date Sent: 10-3-94



TABLE OF CONTENTS

REFERENCE NO.: 32507-30-73, SDG 4605.1
PROJECT: 18681
CLIENT: LANL

This report contains narrative and data for the following volume. Please refer to the sample summary for a complete listing of samples and analyses included in this SDG.

VOLUME 1 OF 1

- Sample Summary
- Narrative
- Summary Data Sheet
- Data Clarification
- Chain-of-Custody
- S3 Sample Log-In Sheet
- Metals Report

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:

Rick Phillips

Name:

Rick Phillips

Date:

September 24, 1994

Title:

Project Manager

Volume 1 shipped 09/24/94

SDG Memo/Sample Summary

Client Name: LANL

Date: 24 Sep 1994

Project Name: 18681

Update No.:

SDG No.: 4605.1

Work Order No.: 32507-30-73

Project Manager: R. PHILLIPS

Mail Date: 9-24-1994

Turnaround Time: 30 DAY

Client Samp No.	S-Cubed Samp No.	Date Rcvd	Date Samp	Matrix	FURNILM	HQILM	ICPILM						
94.20325	4605-21	8-27-1994	7-28-1994	SOIL	X	X	X						
94.20325MS	4605-21MS	8-27-1994	7-28-1994	SOIL	X	X	X	8/24/94					
94.20325REP	4605-21REP	8-27-1994	7-28-1994	SOIL	X	X	X	8/24/94					
94.20326	4605-22	8-27-1994	7-28-1994	SOIL	X	X	X						
94.20327	4605-23	8-27-1994	7-27-1994	SOIL	X	X	X						
94.20328	4605-24	8-27-1994	7-27-1994	SOIL	X	X	X						
94.20329	4605-25	8-27-1994	7-18-1994	SOIL	X	X	X						
94.20330	4605-26	8-27-1994	7-18-1994	SOIL	X	X	X						
94.20331	4605-27	8-27-1994	7-18-1994	SOIL	X	X	X						
94.20332	4605-28	8-27-1994	7-14-1994	SOIL	X	X	X						
94.20333	4605-29	8-27-1994	7-18-1994	SOIL	X	X	X						
94.20334	4605-30	8-27-1994	7-14-1994	SOIL	X	X	X						
94.20335	4605-31	8-27-1994	7-14-1994	SOIL	X	X	X						
94.20336	4605-32	8-27-1994	7-25-1994	SOIL	X	X	X						
94.20337	4605-33	8-27-1994	7-20-1994	SOIL	X	X	X						
94.20338	4605-34	8-27-1994	8-16-1994	SOIL	X		X						
94.20339	4605-35	8-27-1994	8-16-1994	SOIL	X		X						
94.20340	4605-36	8-27-1994	8-16-1994	SOIL	X		X						
94.20341	4605-37	8-27-1994	8-16-1994	SOIL		X							
94.20342	4605-38	8-27-1994	8-16-1994	SOIL		X							
94.20343	4605-39	8-27-1994	8-16-1994	SOIL		X							
94.20344	4605-40	8-27-1994	7-18-1994	SOIL	X	X	X						

(X) = Non-Billable Sample

NARRATIVE

September 24, 1994

Narrative Project: 18681
Reference No.: 32507-30-73
Client: LANL
SDG No.: 4605

METALS

Samples were analyzed for trace metals following EPA CLP ILM03.0 procedures utilizing Inductively Coupled Plasma Atomic Emission analysis (ICP), using the TJA and Trace analyzer, and Cold-Vapor Atomic Absorption analysis (CVAA). Sample aliquots were acid digested using hot plate brought to a final volume in acid solution and analyzed by ICP. Mercury analysis was performed by a separate H_2SO_4/HNO_3 digestion with $KMNO_4$ and $K_2S_2O_8$, followed by CVAA. Calibration and QC procedures followed the CLP guidelines.

Samples were analyzed for the 23 Target Analyte List elements (TAL) with As, Pb, Tl and Se, being analyzed by the TRACE analyzer, Hg by CVAA and the remainder by ICP.

Analytes of interest were detected in the samples at low level or below the CRDL. High levels of Al, Ca, Cu, Fe, Mg and K were noted, in several samples.

The matrix spike recovery for several elements were outside the control limits, in sample 94.20325MS, however the post-digestion spike recoveries were within the control limits. Please note, MS was not performed for Hg in this SDG.

The %RPD recovery for replicate sample 94.20325REP, for Cd, Cu, Pb, Ag and Zn were outside the control limits.

ICP serial dilutions for Pb was outside the criteria.

All batch QC were acceptable (LCS's and Blanks).

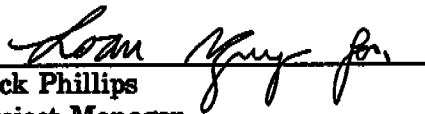
All calibration QC results were acceptable. One CRI for Sb run on 9/16/94 the recovery was low. No corrective action was performed. CCVs run on 9/16/94 for several elements, and one CCB for Ag, were outside the control limits, however, the affected data were rerun on another run, therefore the data are compliance.



NARRATIVE

Please note, for the ICP Interference Check Sample (Form 4), there are no real true values for the "True" Solution A. However, in order for the values to appear on the form, the number "1" was placed in the "True" Solution A column for non-cation analytes.

Dilution of 5X and 20X were required in sample 94.20339 and 94.2034 for Ag, Ba, K, Na and Mn.


Rick Phillips
Project Manager

enclosures

p:\nar4605.1

DATA CLARIFICATION

S-Cubed strives to provide complete, fully documented data packages to our clients. However there are instances where clarifications or corrections are required. Our policy is to respond to such needs within five working days of the initial contact. In order to expedite such clarifications the following process is highly recommended.

- Collect all questions concerning an SDG and provide them at one time.
- Specify all issues in writing. Feel free to telephone, but be prepared to follow up with an informal (handwritten) FAX to avoid miscommunication.
- Include the following information:
 - ▶ Your name, phone number and FAX number.
 - ▶ The client's name (i.e., the firm who requested the sample analyses).
 - ▶ The SDG number.
 - ▶ The Case number, S-Cubed project code or Reference number.
 - ▶ The specific analyses (i.e., VOA, Metals etc.) affected.
 - ▶ The S-Cubed sample number affected.

PROBLEM	CONTACT	TELEPHONE NO.
Report Clarifications	Loan Nguyen	619-637-7437
Invoice Documentation	Julie Alberti	619-637-7414
	FAX (Primary)	619-637-7401
	FAX (Secondary)	619-637-7402

PERFORMANCE APPRAISAL

S-Cubed is a customer focused company. It is important that we receive feedback on all aspects of our performance in order to better serve your needs. Please contact the people listed below with any comments or concerns you may have with data quality, delivery time, project management, customer interaction or any other areas for potential improvement.

CONTACT	TITLE	TELEPHONE NO.
John DeWald	Laboratory Operations Manager	619-637-7412
JoAnn Wilkinson	Regulatory Analysis Section Manager	619-637-7413
Robert Beimer	Division Vice President and Environmental Chemistry Section Manager	619-637-7410

INORGANIC REPORTING FLAGS

C	Concentration Qualifier (C Column on forms)
B	The reported value is less than the Contract Required Detection Limit (CRQL) or Estimated Quantitation Limit (EQL) but greater than the Instrument Detection Limit (IDL).
U	The analyte was not detected.
Q	Quality Qualifier (Q Column on forms)
E	The reported value is estimated because of the presence of interference. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an sample specific).
M	Duplicate injection precision not met.
N	Spiked sample recovery not within control limits.
S	The reported value was determined by the Method of Standard Additions (MSA).
W	Post-digestion spike for Furnace AA analysis is out of control limits (85 to 115%), while sample absorbance is less than 50% of spike absorbance (see Exhibit E of the CLP SOW).
*	Duplicate analysis not within control limits.
+	Correlation coefficient for the MSA is less than 0.995.
M	Method Qualifier (M Column on forms)
P	ICP
A	Flame AA
F	Furnace AA
PM	ICP with Microwave Digestion
AM	Flame AA Microwave Digestion
FM	Furnace AA Microwave Digestion
CV	Manual Cold Vapor AA
AV	Automated Cold Vapor AA
CA	Cyanide - Mid-Distillation - Spectrophotometric
AS	Semiautomated Spectrophotometric
C	Manual Spectrophotometric
T	Titrimetric
MS	ICP/MS
G	Gravimetric
SE	Selective Electrode
IC	Ion Chromatography
DE	Digestion/Distillation, Selective Electrode
DC	Digestion/Distillation, Spectrophotometric
DT	Digestion/Distillation, Titration
SP	Special Procedure
TC	Total Carbon Analyzer
IR	Infrared Spectrophotometer
NR	Not Required to be Analyzed

TABLE 1. S-Cubed Sample Naming Conventions

	Radiochemistry and Organic Analysis	Metals & Misc Analysis
Sample QC Suffix		
Matrix Spike	XXXX-XX MS	XXXX-XX S
Matrix Spike Duplicate	XXXX-XX MSD	XXXX-XX M
Replicate	XXXX-XX REP	XXXX-XX R
Dilution (# 1, 2, etc)	XXXX-XX DL [Y]	XXXX-XX D
Re-extraction/Re-preparation	XXXX-XX RX	XXXX-XX B
Re-analysis (# 1, 2, etc)	XXXX-XX RE [Y]	NA
Analytical Spike - QC (Metals)	XXXX-XX A	XXXX-XX A
Serial Dilution - QC (Metals)	XXXX-XX L	XXXX-XX L
Special/Project Specific LCSs	XXXX-LCS [Z]	NA
Sample Type Suffix		
Organic Medium Level Extraction	XXXX-XX M	NA
TCLP Leachate	XXXX-XX TC ¹	XXXX-XX P ¹
WET Leachate	XXXX-XX WT ¹	XXXX-XX W ¹
Dissolved/Filtered	XXXX-XX F ¹	XXXX-XX F ¹
Multi-Phase, Aqueous	XXXX-XX PW ¹	XXXX-XX X ¹
Multi-Phase, Nonaqueous Liquid 1	XXXX-XX P1 ¹	XXXX-XX Y ¹
Multi-Phase, Nonaqueous Liquid 2	XXXX-XX P2 ¹	XXXX-XX Z ¹
Multi-Phase, Solid	XXXX-XX PS ¹	XXXX-XX
QC Sample Names		
Prep/Extraction Blank Waters ²	EBWXXXX [X]	EBWXXXX [X]
Prep/Extraction Blank Soils	ESXXXX [X]	ESXXXX [X]
Digestion Blank Waters	PBWXXXX [X]	PBWXXXX [X]
Digestion Blank Soils	PBSXXXX [X]	PBSXXXX [X]
VOA Analytical Blank Waters	VBWXXXX [X]	VBWXXXX [X]
VOA Analytical Blank Soils	VBSXXXX [X]	VBSXXXX [X]
Holding Blank	HBLXXXX [X]	HBLXXXX [X]
Trip Blank	TBLXXXX [X]	TBLXXXX [X]
TCLP Leaching Blank	TCBLXXXX [X]	TCBLXXXX [X]
WET Leachate Blank	WTBLXXXX [X]	WTBLXXXX [X]
Lab Control Sample Waters ²	LCSWXXXX [X]	LCSWXXXX [X]
Lab Control Sample Soils ²	LCSSXXXX [X]	LCSSXXXX [X]
Lab Control Sample - Nonstandard Matrix	LCSFXXXX [X]	LCSFXXXX [X]
Reference Sample	REFXXXX [X]	REFXXXX [X]
GPC Column Check - Pesticide	GPCXXXX [Y] or [S]	NA
GPC Column Check - PCB	PCBXXXX [Y]	NA
Florist Column Check - Initial	FLIZIXXXXXX [X]	NA
Florist Column Check - Monthly	FLIZIXXXX	NA
Cleanup Column Check	CLCKXXXX [X]	NA
Unlisted Special Samples	SPXXXXXX [X]	SPXXXXXX [X]

¹QC code placed here (i.e., 1272-01TCMS for TCLP leachate MS).

²For wet chemistry parameters where the LCS is for both water and soil matrices the "S" and "W" for soil or water can be omitted.

³Use this nomenclature for direct injection organic analyses.

XXXX-XX = Lot and sample number, sample number must contain 2 digits (i.e., -02 not -2).

XXXX = Date or Lot number depending on circumstances (i.e., for June 19 use 0619).

[S] = "S" to designate spiking solution checks.

[X] = Optional letter (A, B, C, etc) if more than one QC sample is prepared for the day, SDG or Lot number.

[Y] = Optional number (1, 2, 3, etc) if more than one dilution or reanalysis is performed on a sample or designate the GPC column number.

[Z] = Letter designating analysis (i.e., O = OCP Pesticide, SV = SVOA, V = VOA, H = Herbicides, etc).

DATA PACKAGE - TRACE METALS

- **Analysis Narrative**
 - **Analysis Summary**
 - ▶ Cover Page
 - ▶ Sample Results
 - ▶ Initial and Continuing Calibration
 - ▶ CRDL Standard
 - ▶ Blank Results
 - ▶ ICP Interference Check
 - ▶ Spike Sample Recovery
 - ▶ Post Digest Spike Recovery
 - ▶ MS/MSD Summary
 - ▶ Duplicate Summary
 - ▶ Laboratory Control Sample
 - ▶ Standard Addition Results
 - ▶ ICP Serial Dilution
 - ▶ Instrument Detection Limits (Quarterly)
 - ▶ ICP Interelement Correction (Quarterly)
 - ▶ ICP Interelement Correction (Quarterly)
 - ▶ Preparation Log
 - ▶ ICP Linear Ranges (Quarterly)
 - ▶ Analysis Run Log
 - ▶ ICP/MS Tuning (If Appropriate)
 - **Raw Data Packages**
 - ▶ ICP
 - ▶ GFAA
 - ▶ CVAA
 - ▶ CN (If Appropriate)
 - **Each Package Contains:**
 - ▶ Run Log Copy
 - ▶ Instrument Printouts
 - ▶ Digestion
 - ▶ ITL Copy
- | |
|----------|
| Form 1 |
| Form 2A |
| Form 2B |
| Form 3 |
| Form 4 |
| Form 5A |
| Form 5B |
| Form 5C |
| Form 6 |
| Form 7 |
| Form 8 |
| Form 9 |
| Form 10 |
| Form 11A |
| Form 11B |
| Form 13 |
| Form 13 |
| Form 14 |
| Form 14 |

Lot 4605 *into*
Temp 10°C

Los Alamos

NATIONAL LABORATORY

August 26, 1994

Rick Phillips
S-Cubed
8808 Balboa Ave
San Diego, CA 92123

Dear Rick :

Please analyze the enclosed samples according to the schedule below. These samples are on Request Number: 18681

Screening data enclosed. If samples do not have data, they are known to be non-radioactive. Please analyze according to the NEW contract, standard turn around time.

Cost Center: 4609

Program Fund Code: M78B

ANALYTES	MATRIX	DATE
	SAMPLE-CUT	CODE COLLECTED
AG, AL, AS, BA, BE, CA, CD,	01 94.18548-2	S 21-JUL-94
CO, CR, CU, FE, HG, K, MG,	02 94.18551-2	S 15-JUL-94
MN, NA, NI, PB, SB, SE, TL,	03 94.18555-2	S 27-JUL-94
V, ZN	04 94.18557-2	S 03-AUG-94
	05 94.18560-2	S 25-JUL-94
	06 94.18561-2	S 25-JUL-94
	07 94.20311-1	S 06-JUL-94
	08 94.20312-1	S 20-JUL-94
	09 94.20313-1	S 15-JUL-94
	10 94.20314-1	S 30-JUN-94
	11 94.20315-1	S 28-JUN-94
	12 94.20316-1	S 30-JUN-94
	13 94.20317-1	S 28-JUN-94
	14 94.20318-1	S 28-JUN-94
	15 94.20319-1	S 27-JUL-94
	16 94.20320-1	S 24-JUL-94
	17 94.20321-1	S 27-JUL-94
	18 94.20322-1	S 25-JUL-94
	19 94.20323-1	S 28-JUL-94
	20 94.20324-1	S 08-JUL-94
	21 94.20325-1	S 28-JUL-94
	22 94.20326-1	S 28-JUL-94
	23 94.20327-1	S 27-JUL-94
	24 94.20328-1	S 27-JUL-94
	25 94.20329-1	S 18-JUL-94
	26 94.20330-1	S 18-JUL-94
	27 94.20331-1	S 18-JUL-94
	28 94.20332-1	S 14-JUL-94
	29 94.20333-1	S 18-JUL-94
	30 94.20334-1	S 14-JUL-94
	31 94.20335-1	S 14-JUL-94
	32 94.20336-1	S 25-JUL-94

LOT # 4805

Cost Center: 4 09

Program Fund Code: M78B

ANALYTES	SAMPLE-CUT	MATRIX CODE	DATE COLLECTED
3, AL, AS, BA, BE, CA, CD,	33 94.20337-1	S	20-JUL-94
CO, CR, CU, FE, HG, K, MG,	40 94.20344-1	S	19-JUL-94
MN, NA, NI, PB, SB, SE, TL,			
V, ZN			
AL, AS, BA, BE, CA, CD, CO,	30 94.20338-1	S	16-AUG-94
CR, CO, FE, K, MG, MN, NA,	94.20339-1	S	16-AUG-94
NI, CO, SB, SE, TL, V, ZN	30 94.20340-1	S	16-AUG-94
HG	94.20341-1	S	16-AUG-94
	94.20342-1	S	16-AUG-94
	94.20343-1	S	16-AUG-94

SAMPLES ARE INCLUSIVE !

SINCERELY,

Kyle R. G.

Kyle R. G.
File (2)

Lot 4605

LOS ALAMOS
Los Alamos National Laboratory
Los Alamos, New Mexico 87545

EM-9 CHAIN OF CUSTODY DOCUMENT

NBR: 14691

Request: 18681

Desc: SAK TAL METALS

Sample	Cut	Type	Size	Comments
-0194.18548✓	2	GLASS	125 ML	TAL METALS
-0294.18551✓	2	GLASS	125 ML	TAL METALS
-0394.18555✓	2	GLASS Poly J.	125 ML	TAL METALS
-0494.18557✓	2	GLASS	125 ML	TAL METALS
0594.18560✓	2	GLASS	125 ML	TAL METALS
0694.18561✓	2	GLASS	125 ML	TAL METALS
0794.20311✓	1	GLASS	125 ML	TAL METALS
0894.20312✓	1	GLASS	125 ML	TAL METALS
0994.20313✓	1	GLASS	125 ML	TAL METALS
1094.20314✓	1	GLASS	125 ML	TAL METALS
1194.20315✓	1	GLASS	125 ML	TAL METALS
1294.20316✓	1	GLASS	125 ML	TAL METALS
1394.20317✓	1	GLASS Poly J.	125 ML	TAL METALS
1494.20318✓	1	GLASS Poly J.	125 ML	TAL METALS
1594.20319✓	1	GLASS Poly J.	125 ML	TAL METALS
1694.20320✓	1	GLASS	125 ML	TAL METALS
1794.20321✓	1	GLASS	125 ML	TAL METALS
1894.20322✓	1	GLASS	125 ML	TAL METALS
1994.20323✓	1	GLASS	125 ML	TAL METALS
2094.20324✓	1	GLASS	125 ML	TAL METALS

Rec'd all samples on this page

Relinquished By(Print Name & Sign)	Date	Time	Received By(Print Name & Sign)
Jaylene Alder Jaylene Alder	8/26	3:00	Tina Mullins Tina Mullins

Received for Disposal By(Print Name and Sign)	Remarks
---	---------

LOS ALAMOS
Los Alamos National Laboratory
Los Alamos, New Mexico 87545

EM-9 CHAIN OF CUSTODY DOCUMENT

NBR: 14692

Request: 18681

Desc: SAK TAL METALS

Sample	Cut	Type	Size	Comments
21 94.20325 ✓	1	GLASS poly Y.	125 ML	TAL METALS
22 94.20326 ✓	1	GLASS poly Y.	125 ML	TAL METALS
23 94.20327 ✓	1	GLASS poly gr.	125 ML	TAL METALS
24 94.20328 ✓	1	GLASS poly gr.	125 ML	TAL METALS
25 94.20329 ✓	1	GLASS	125 ML	TAL METALS
26 94.20330 ✓	1	GLASS	125 ML	TAL METALS
27 94.20331 ✓	1	GLASS	125 ML	TAL METALS
28 94.20332 ✓	1	GLASS	125 ML	TAL METALS
29 94.20333 ✓	1	GLASS	125 ML	TAL METALS
30 94.20334 ✓	1	GLASS	125 ML	TAL METALS
31 94.20335 ✓	1	GLASS	125 ML	TAL METALS
32 94.20336 ✓	1	GLASS	125 ML	TAL METALS
33 94.20337 ✓	1	GLASS	125 ML	TAL METALS
34 94.20338 ✓	1	POLYETHYLENE	60 ML	TAL METALS
35 94.20339 ✓	1	POLYETHYLENE	60 ML	TAL METALS
36 94.20340 ✓	1	POLYETHYLENE	60 ML	TAL METALS
37 94.20341 ✓	1	POLYETHYLENE	125ML IAL	MERCURY
38 94.20342 ✓	1	POLYETHYLENE	125ML VIAL	MERCURY
39 94.20343 ✓	1	POLYETHYLENE	125ML VIAL	MERCURY
40 94.20344 ✓	1	GLASS	125 ML	TAL METALS

Need all samples on this page to be used

Relinquished By (Print Name & Sign)	Date	Time	Received By (Print Name & Sign)
Joylene Valdez <i>Joylene Valdez</i>	8/26	2:00	<i>Tina Mullins</i> Tina Mullins

Received for Disposal By (Print Name and Sign)	Remarks
--	---------

Lot No. 4605.1

Revision No.: 0

Data Due Date: 9-16-1994

Report Mail Date: 9-23-1994

Custody Seals Present/Intact ☒ Y ☐ N

Chain of Custody Present/Intact

Client Forms Present ☒ **Y** **N**

Container Codes		Preservation		Soil = Soil/Sediment/Sludge	Received by (Sig):
A	40ml VOA	O	Scintillation Vial	Water = Aqueous	J. My Smith 120629
B	1 liter glass	P	Plastic Bag		
C	2 liter glass	R	Other		
D	4 liter glass				
E	4 oz widemouth	NS	Narrow Sleeve	NAL = Non-Aqueous Liquid	
F	8 oz widemouth	WS	Wide Sleeve	NSS = Non-Soil Solid	SDG Complete (Y) N
G	16 oz widemouth				

- 1 HCl
- 2 HNO₃
- 3 H₂SO₄
- 4 NaOH
- 5 NaOH, ZnAc

H	500 ml glass
I	250 ml glass
J	250 ml poty
K	500 ml poty
L	1 liter poty
M	1 liter cube
N	4 liter cube

A 40ml VOA
B 1 liter glass
C 2 liter glass
D 4 liter glass
E 4 oz widemouth
F 8 oz widemouth
G 16 oz widemouth

Soil = Soil/Sediment/Sludge
Water = Aqueous
NAL = Non-Aqueous Liquid
NSS = Non-Soil Solid

Received by (Sig): DN
Review JD 6/24
SDG Complete (Y) N

Lot No. 4605.1

Sample Log-In Sheet

Revision No.: 0

Date Received: 8-27-1994

Client Code: LANL

Client SDG:

Time Received: 1030

Reporting Level: FULL CLP

Date Sampled: 7-28-1994

Disk Format: N

Airbill No. 031 6345 512

Turnaround Required: 30 DAY

Charge No. 32507-30-73

QC Level:Other QAPI: N

Case No./Project Code: 18681

SDG No.: 4605.1

[illegible]

Container Codes

A 40nd VOA
B 1 liter glass
C 2 liter glass
D 4 liter glass
E 4 oz widemouth
F 8 oz widemouth
G 16 oz widemouth

H	500 ml glass	O	Scrutination Vial
I	250 ml glass	P	Plastic Bag
J	250 ml poly	R	Other
K	500 ml poly		
L	1 liter poly	NS	Narrow Sleeve
M	1 liter cube	WS	Wide Sleeve
N	4 liter cube		

Preservation

- 1 HCl
- 2 HNO₃
- 3 H₂SO₄
- 4 NaOH
- 5 NaOH, ZnAc₂

Soil = Soil/Sediment/Sludge
Water = Aqueous
NAL = Non-Aqueous Liquid
NSS = Non-Soil Solid

Received by 'Signal':

Review

SDG Complete ☒ Y ☐ N

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: S_CUBED _____ Contract: 32507-3073
Lab Code: S3 _____ Case No.: 18681 SAS No.: _____ SDG No.: 4605_1
SOW No.: ILM03.0

EPA Sample No.	Lab Sample ID
20325	4605-21
20325D	4605-21R
20325L	4605-21L
20325S	4605-21S
20326	4605-22
20327	4605-23
20328	4605-24
20329	4605-25
20330	4605-26
20331	4605-27
20332	4605-28
20333	4605-29
20334	4605-30
20335	4605-31
20336	4605-32
20337	4605-33
20338	4605-34
20339	4605-35
20340	4605-36
20341	4605-37

Were ICP interelement corrections applied ? Yes/No NO_
Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before
application of background corrections ? Yes/No 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 floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: John DeWald _____
Date: September 24, 1994 _____ Title: Inorganics Lab Manager _____

COVER PAGE - IN

Rev. ILM03.

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

SOW No.: ILM03.0

EPA Sample No.

20342_____

20343_____

20344_____

Lab Sample ID

4605-38_____

4605-39_____

4605-40_____

Were ICP interelement corrections applied ?

Yes/No NO_

Were ICP background corrections applied ?

Yes/No YES

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

Yes/No 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 floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____

Name: John DeWald_____

Date: September 24, 1994_____

Title: Inorganics Lab Manager_____

COVER PAGE - IN

Rev. ILM03.

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20325

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-21

Level (low/med): LOW Date Received: 08/27/94

% Solids: 93.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5810	-		P
7440-36-0	Antimony	4.5	B	N	P
7440-38-2	Arsenic	3.1	-		P
7440-39-3	Barium	110	-		P
7440-41-7	Beryllium	3.3	-		P
7440-43-9	Cadmium	0.43	U	N*	P
7440-70-2	Calcium	1690	-		P
7440-47-3	Chromium	5.5	-		P
7440-48-4	Cobalt	1.8	B		P
7440-50-8	Copper	900	-	*	P
7439-89-6	Iron	6820	-	E	P
7439-92-1	Lead	413	-	*	P
7439-95-4	Magnesium	940	B		P
7439-96-5	Manganese	185	-		P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	7.0	B		P
7440-09-7	Potassium	683	B		P
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.64	U	*	P
7440-23-5	Sodium	120	B		P
7440-28-0	Thallium	0.67	U		P
7440-62-2	Vanadium	8.9	B		P
7440-66-6	Zinc	77.6	-	*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-21_94.20325

FORM I - IN

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20326

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-22

Level (low/med): LOW Date Received: 08/27/94

% Solids: 93.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1700	-		P
7440-36-0	Antimony	3.9	U	N	P
7440-38-2	Arsenic	1.7	B		P
7440-39-3	Barium	28.7	B		P
7440-41-7	Beryllium	0.41	B		P
7440-43-9	Cadmium	0.43	U	N*	P
7440-70-2	Calcium	736	B		P
7440-47-3	Chromium	4.6			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	12.4	-	*	P
7439-89-6	Iron	4250	-	E	P
7439-92-1	Lead	12.4	-	*	P
7439-95-4	Magnesium	217	B		P
7439-96-5	Manganese	270			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	7.0	B		P
7440-09-7	Potassium	325	B		P
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.64	U	*	P
7440-23-5	Sodium	176	B		P
7440-28-0	Thallium	0.66	U		P
7440-62-2	Vanadium	3.2	B		P
7440-66-6	Zinc	25.9	-	*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-22 94.20326

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20327

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-23

Level (low/med): LOW Date Received: 08/27/94

% Solids: 91.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2060	-		P
7440-36-0	Antimony	3.9	U	N	P
7440-38-2	Arsenic	1.1	B		P
7440-39-3	Barium	19.9	B		P
7440-41-7	Beryllium	0.36	B		P
7440-43-9	Cadmium	0.44	U	N*	P
7440-70-2	Calcium	460	B		P
7440-47-3	Chromium	1.8	B		P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	3.6	B	*	P
7439-89-6	Iron	6110	-	E	P
7439-92-1	Lead	3.1	-	*	P
7439-95-4	Magnesium	333	B		P
7439-96-5	Manganese	195	-		P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	2.8	B		P
7440-09-7	Potassium	278	B		P
7782-49-2	Selenium	0.57	U	N	P
7440-22-4	Silver	0.65	U	*	P
7440-23-5	Sodium	165	B		P
7440-28-0	Thallium	0.68	U		P
7440-62-2	Vanadium	3.7	B		P
7440-66-6	Zinc	26.3	-	*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

Comments:

4605-23_94.20327

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EPA SAMPLE NO.

20328

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-24

Level (low/med): LOW Date Received: 08/27/94

% Solids: 89.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2230	-		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	1.5	B		P
7440-39-3	Barium	58.1	-		P
7440-41-7	Beryllium	11.9	-		P
7440-43-9	Cadmium	0.45	U	N*	P
7440-70-2	Calcium	1190	-		P
7440-47-3	Chromium	16.0	-		P
7440-48-4	Cobalt	5.2	B		P
7440-50-8	Copper	784	-	*	P
7439-89-6	Iron	5250	-	E	P
7439-92-1	Lead	67.0	-	*	P
7439-95-4	Magnesium	576	B		P
7439-96-5	Manganese	146	-		P
7439-97-6	Mercury	1.1	-		CV
7440-02-0	Nickel	10.6	-		P
7440-09-7	Potassium	337	B		P
7782-49-2	Selenium	0.58	U	N	P
7440-22-4	Silver	1.1	B	*	P
7440-23-5	Sodium	152	B		P
7440-28-0	Thallium	0.70	U		P
7440-62-2	Vanadium	4.7	B		P
7440-66-6	Zinc	43.4	-	*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

Comments:

4605-24_94.20328

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20329

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605_1

Matrix (soil/water): SOIL

Lab Sample ID: 4605-25

Level (low/med): LOW

Date Received: 08/27/94

% Solids: 98.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8260			P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	3.2			P
7440-39-3	Barium	89.0			P
7440-41-7	Beryllium	2.6			P
7440-43-9	Cadmium	0.71	B	N*	P
7440-70-2	Calcium	13400			P
7440-47-3	Chromium	9.1			P
7440-48-4	Cobalt	3.7	B		P
7440-50-8	Copper	49.0		*	P
7439-89-6	Iron	8900		E	P
7439-92-1	Lead	38.6		*	P
7439-95-4	Magnesium	1740			P
7439-96-5	Manganese	230			P
7439-97-6	Mercury	0.16			CV
7440-02-0	Nickel	8.2			P
7440-09-7	Potassium	1250			P
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.61	U	*	P
7440-23-5	Sodium	156	B		P
7440-28-0	Thallium	0.63	U		P
7440-62-2	Vanadium	15.0			P
7440-66-6	Zinc	30.6		*	P

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOWISH

Clarity After:

Artifacts:

Comments:

4605-25_94.20329

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20330

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-26

Level (low/med): LOW Date Received: 08/27/94

% Solids: 97.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4270	-		P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	2.2	-		P
7440-39-3	Barium	65.6	-		P
7440-41-7	Beryllium	3.5	-		P
7440-43-9	Cadmium	0.41	U	N*	P
7440-70-2	Calcium	17600	-		P
7440-47-3	Chromium	8.5	-		P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	67.3	-	*	P
7439-89-6	Iron	6660	-	E	P
7439-92-1	Lead	52.9	-	*	P
7439-95-4	Magnesium	1230	-		P
7439-96-5	Manganese	175	-		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.2	B		P
7440-09-7	Potassium	664	B		P
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.71	B	*	P
7440-23-5	Sodium	147	B		P
7440-28-0	Thallium	0.64	U		P
7440-62-2	Vanadium	11.7	-		P
7440-66-6	Zinc	26.3	-	*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

Comments:

4605-26 94.20330

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EPA SAMPLE NO.

20331

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-27

Level (low/med): LOW Date Received: 08/27/94

% Solids: 98.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4850	-		P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	2.5	-		P
7440-39-3	Barium	85.1	-		P
7440-41-7	Beryllium	3.6	-		P
7440-43-9	Cadmium	0.41	U	N*	P
7440-70-2	Calcium	15900	-		P
7440-47-3	Chromium	9.3	-		P
7440-48-4	Cobalt	3.0	B		P
7440-50-8	Copper	111	-	*	P
7439-89-6	Iron	7910	-	E	P
7439-92-1	Lead	30.8	-	*	P
7439-95-4	Magnesium	1360	-		P
7439-96-5	Manganese	197	-		P
7439-97-6	Mercury	0.17	-		CV
7440-02-0	Nickel	6.0	B		P
7440-09-7	Potassium	826	B		P
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.92	B	*	P
7440-23-5	Sodium	161	B		P
7440-28-0	Thallium	0.63	U		P
7440-62-2	Vanadium	14.0	-		P
7440-66-6	Zinc	30.5	-	*	P
			-		
			-		

Color Before: BROWN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: Artifacts:

Comments:

4605-27_94.20331

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20332

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-28

Level (low/med): LOW Date Received: 08/27/94

% Solids: 96.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7510	—	—	P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	2.3	—	—	P
7440-39-3	Barium	97.2	—	—	P
7440-41-7	Beryllium	1.8	—	—	P
7440-43-9	Cadmium	0.99	B	N*	P
7440-70-2	Calcium	7360	—	—	P
7440-47-3	Chromium	6.9	—	—	P
7440-48-4	Cobalt	3.5	B	—	P
7440-50-8	Copper	47.8	—	*	P
7439-89-6	Iron	7740	—	E	P
7439-92-1	Lead	22.1	—	*	P
7439-95-4	Magnesium	1570	—	—	P
7439-96-5	Manganese	220	—	—	P
7439-97-6	Mercury	0.10	U	—	CV
7440-02-0	Nickel	6.8	B	—	P
7440-09-7	Potassium	1270	—	—	P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.77	B	*	P
7440-23-5	Sodium	123	B	—	P
7440-28-0	Thallium	0.64	U	—	P
7440-62-2	Vanadium	13.9	—	—	P
7440-66-6	Zinc	35.4	—	*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-28_94.20332

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20333

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-29

Level (low/med): LOW Date Received: 08/27/94

% Solids: 98.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3760	-	-	P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	2.2	-	-	P
7440-39-3	Barium	89.7	-	-	P
7440-41-7	Beryllium	1.5	-	-	P
7440-43-9	Cadmium	0.71	B	N*	P
7440-70-2	Calcium	39000	-	-	P
7440-47-3	Chromium	11.9	-	-	P
7440-48-4	Cobalt	2.6	B	-	P
7440-50-8	Copper	127	-	*	P
7439-89-6	Iron	7890	-	E	P
7439-92-1	Lead	23.4	-	*	P
7439-95-4	Magnesium	1520	-	-	P
7439-96-5	Manganese	186	-	-	P
7439-97-6	Mercury	0.78	-	-	CV
7440-02-0	Nickel	10.1	-	-	P
7440-09-7	Potassium	495	B	-	P
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	1.4	B	*	P
7440-23-5	Sodium	162	B	-	P
7440-28-0	Thallium	0.63	U	-	P
7440-62-2	Vanadium	16.3	-	-	P
7440-66-6	Zinc	23.7	-	*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-29 94.20333

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20334

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605_1

Matrix (soil/water): SOIL

Lab Sample ID: 4605-30

Level (low/med): LOW

Date Received: 08/27/94

% Solids: 95.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10000	-		P
7440-36-0	Antimony	3.8	U	N	P
7440-38-2	Arsenic	2.2	-		P
7440-39-3	Barium	94.7	-		P
7440-41-7	Beryllium	2.1	-		P
7440-43-9	Cadmium	0.70	B	N*	P
7440-70-2	Calcium	8140	-		P
7440-47-3	Chromium	6.6	-		P
7440-48-4	Cobalt	3.3	B		P
7440-50-8	Copper	33.6	-	*	P
7439-89-6	Iron	8890	-	E	P
7439-92-1	Lead	21.5	-	*	P
7439-95-4	Magnesium	1670	-		P
7439-96-5	Manganese	200	-		P
7439-97-6	Mercury	0.41	-		CV
7440-02-0	Nickel	6.2	B		P
7440-09-7	Potassium	1340	-		P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.63	U	*	P
7440-23-5	Sodium	139	B		P
7440-28-0	Thallium	0.65	U		P
7440-62-2	Vanadium	15.6	-		P
7440-66-6	Zinc	29.5	-	*	P

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOWISH

Clarity After:

Artifacts:

Comments:

4605-30_94.20334

FORM I - IN

ILM03.0

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20335

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-31

Level (low/med): LOW Date Received: 08/27/94

% Solids: 94.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14200	-		P
7440-36-0	Antimony	3.8	U	N	P
7440-38-2	Arsenic	5.0	-		P
7440-39-3	Barium	143	-		P
7440-41-7	Beryllium	1.4	-		P
7440-43-9	Cadmium	0.81	B	N*	P
7440-70-2	Calcium	2640	-		P
7440-47-3	Chromium	11.5	-		P
7440-48-4	Cobalt	7.2	B		P
7440-50-8	Copper	19.0	-	*	P
7439-89-6	Iron	14800	-	E	P
7439-92-1	Lead	21.4	-	*	P
7439-95-4	Magnesium	2000	-		P
7439-96-5	Manganese	433	-		P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	9.9	-		P
7440-09-7	Potassium	1950	-		P
7782-49-2	Selenium	0.55	U	N	P
7440-22-4	Silver	0.63	U	*	P
7440-23-5	Sodium	140	B		P
7440-28-0	Thallium	0.66	U		P
7440-62-2	Vanadium	27.7	-		P
7440-66-6	Zinc	32.7	-	*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-31_94.20335

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20336

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-32

Level (low/med): LOW Date Received: 08/27/94

% Solids: 89.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18900	—	—	P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	4.7	—	—	P
7440-39-3	Barium	315	—	—	P
7440-41-7	Beryllium	1.4	—	—	P
7440-43-9	Cadmium	0.98	B	N*	P
7440-70-2	Calcium	5910	—	—	P
7440-47-3	Chromium	11.4	—	—	P
7440-48-4	Cobalt	5.1	B	—	P
7440-50-8	Copper	11.3	—	*	P
7439-89-6	Iron	15000	—	E	P
7439-92-1	Lead	10.7	—	*	P
7439-95-4	Magnesium	3760	—	—	P
7439-96-5	Manganese	277	—	—	P
7439-97-6	Mercury	0.11	U	—	CV
7440-02-0	Nickel	11.3	—	—	P
7440-09-7	Potassium	3150	—	—	P
7782-49-2	Selenium	0.58	U	N	P
7440-22-4	Silver	0.67	U	*	P
7440-23-5	Sodium	1160	—	—	P
7440-28-0	Thallium	0.69	U	—	P
7440-62-2	Vanadium	23.4	—	—	P
7440-66-6	Zinc	35.7	—	*	P
			—	—	—
			—	—	—

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-32_94.20336

FORM I - IN

ILM03.0

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

20337

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL_ Lab Sample ID: 4605-33_

Level (low/med): LOW_ Date Received: 08/27/94

% Solids: 96.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16200	—	—	P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	3.4	—	—	P
7440-39-3	Barium	143	—	—	P
7440-41-7	Beryllium	1.0	B	—	P
7440-43-9	Cadmium	1.4	—	N*	P
7440-70-2	Calcium	2180	—	—	P
7440-47-3	Chromium	11.9	—	—	P
7440-48-4	Cobalt	7.5	B	—	P
7440-50-8	Copper	22.2	—	*	P
7439-89-6	Iron	14000	—	E	P
7439-92-1	Lead	30.1	—	*	P
7439-95-4	Magnesium	2320	—	—	P
7439-96-5	Manganese	365	—	—	P
7439-97-6	Mercury	0.10	U	—	CV
7440-02-0	Nickel	9.2	—	—	P
7440-09-7	Potassium	2470	—	—	P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.62	U	*	P
7440-23-5	Sodium	186	B	—	P
7440-28-0	Thallium	0.64	U	—	P
7440-62-2	Vanadium	28.1	—	—	P
7440-66-6	Zinc	31.2	—	*	P

Color Before: BROWN_ Clarity Before: Texture: FINE_

Color After: YELLOWISH Clarity After: Artifacts: _

Comments:

4605-33_94.20337_

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20338

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-34

Level (low/med): LOW Date Received: 08/27/94

% Solids: 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	29100			P
7440-36-0	Antimony	3.6	U	N	P
7440-38-2	Arsenic	17.4			P
7440-39-3	Barium	363			P
7440-41-7	Beryllium	0.85	B		P
7440-43-9	Cadmium	3.0		N*	P
7440-70-2	Calcium	14900			P
7440-47-3	Chromium	75.7			P
7440-48-4	Cobalt	12.8			P
7440-50-8	Copper	38.1		*	P
7439-89-6	Iron	30100		E	P
7439-92-1	Lead	11.2		*	P
7439-95-4	Magnesium	13800			P
7439-96-5	Manganese	504			P
7439-97-6	Mercury				NR
7440-02-0	Nickel	77.6			P
7440-09-7	Potassium	3820			P
7782-49-2	Selenium	0.52	U	N	P
7440-22-4	Silver	0.60	U	*	P
7440-23-5	Sodium	733	B		P
7440-28-0	Thallium	0.62	U		P
7440-62-2	Vanadium	76.3			P
7440-66-6	Zinc	95.6		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-34 94.20338

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20339

Lab Name: S_CUBED_____ Contract: 32507-3073

Lab Code: S3_____ Case No.: 18681 SAS No.: _____ SDG No.: 4605_1

Matrix (soil/water): SOIL_____ Lab Sample ID: 4605-35_____

Level (low/med): LOW_____ Date Received: 08/27/94

% Solids: 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21100	-		P
7440-36-0	Antimony	5.0	B	N	P
7440-38-2	Arsenic	654			P
7440-39-3	Barium	294	B		P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	22.1		N*	P
7440-70-2	Calcium	4160			P
7440-47-3	Chromium	15.0			P
7440-48-4	Cobalt	9.8	B		P
7440-50-8	Copper	3130		*	P
7439-89-6	Iron	27900		E	P
7439-92-1	Lead	5350		*	P
7439-95-4	Magnesium	5650			P
7439-96-5	Manganese	8020			P
7439-97-6	Mercury				NR
7440-02-0	Nickel	11.8			P
7440-09-7	Potassium	4660	B		P
7782-49-2	Selenium	0.52	U	N	P
7440-22-4	Silver	39.4	B	*	P
7440-23-5	Sodium	950	B		P
7440-28-0	Thallium	0.62	U		P
7440-62-2	Vanadium	52.2			P
7440-66-6	Zinc	6340		*	P

Color Before: BROWN_____ Clarity Before: _____ Texture: FINE_____

Color After: YELLOWISH_____ Clarity After: _____ Artifacts: _____

Comments:

4605-35_94.20339_____

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20340

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-36

Level (low/med): LOW Date Received: 08/27/94

% Solids: 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19200	-		P
7440-36-0	Antimony	3.6	U	N	P
7440-38-2	Arsenic	105			P
7440-39-3	Barium	173	B		P
7440-41-7	Beryllium	1.0			P
7440-43-9	Cadmium	41.5		N*	P
7440-70-2	Calcium	21400			P
7440-47-3	Chromium	19.6			P
7440-48-4	Cobalt	9.0	B		P
7440-50-8	Copper	122		*	P
7439-89-6	Iron	21500		E	P
7439-92-1	Lead	1150		*	P
7439-95-4	Magnesium	7750			P
7439-96-5	Manganese	528			P
7439-97-6	Mercury				NR
7440-02-0	Nickel	16.4			P
7440-09-7	Potassium	3970	B		P
7782-49-2	Selenium	0.52	U	N	P
7440-22-4	Silver	3.7	B	*	P
7440-23-5	Sodium	364	B		P
7440-28-0	Thallium	0.62	U		P
7440-62-2	Vanadium	48.0			P
7440-66-6	Zinc	332		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-36_94.20340

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20341

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-37

Level (low/med): LOW Date Received: 08/27/94

% Solids: 100.0

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

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

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-37_94.20341

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20342

Lab Name: S_CUBED_____ Contract: 32507-3073

Lab Code: S3_____ Case No.: 18681 SAS No.: _____ SDG No.: 4605_1

Matrix (soil/water): SOIL_____ Lab Sample ID: 4605-38_____

Level (low/med): LOW_____ Date Received: 08/27/94

% Solids: 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	4.6			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR

Color Before: BROWN_____ Clarity Before: _____ Texture: FINE_____

Color After: YELLOWISH_____ Clarity After: _____ Artifacts: _____

Comments:

4605-38_94.20342_____

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20343

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-39

Level (low/med): LOW Date Received: 08/27/94

% Solids: 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.93			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-39_94.20343

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20344

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL Lab Sample ID: 4605-40

Level (low/med): LOW Date Received: 08/27/94

% Solids: 98.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3510			P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	2.9			P
7440-39-3	Barium	34.6	B		P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	0.78	B	N*	P
7440-70-2	Calcium	806	B		P
7440-47-3	Chromium	3.5			P
7440-48-4	Cobalt	1.6	B		P
7440-50-8	Copper	6.7		*	P
7439-89-6	Iron	6500		E	P
7439-92-1	Lead	11.3		*	P
7439-95-4	Magnesium	552	B		P
7439-96-5	Manganese	165			P
7439-97-6	Mercury	0.11			CV
7440-02-0	Nickel	2.7	B		P
7440-09-7	Potassium	563	B		P
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	0.64	B	*	P
7440-23-5	Sodium	128	B		P
7440-28-0	Thallium	0.63	U		P
7440-62-2	Vanadium	7.3	B		P
7440-66-6	Zinc	28.3		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOWISH Clarity After: Artifacts:

Comments:

4605-40 94.20344

FORM I - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605_1

Initial Calibration Source: TRACE

Continuing Calibration Source: TRACE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	1000.0	1033.91	103.4	20000.0	20222.92	101.1	20773.28	103.9	P
Antimony	1000.0	1042.46	104.2	5000.0	5101.19	102.0	5170.42	103.4	P
Arsenic									NR
Barium	1000.0	975.63	97.6	20000.0	20337.44	101.7	21011.43	105.1	P
Beryllium	1000.0	1006.69	100.7	500.0	504.19	100.8	510.30	102.1	P
Cadmium	1000.0	1024.40	102.4	500.0	497.25	99.5	502.38	100.5	P
Calcium	10000.0	10251.78	102.5	50000.0	49829.46	99.7	50969.15	101.9	P
Chromium	1000.0	1000.35	100.0	1000.0	992.70	99.3	1006.62	100.7	P
Cobalt	1000.0	1017.61	101.8	5000.0	4968.30	99.4	5066.03	101.3	P
Copper	1000.0	997.40	99.7	2500.0	2529.72	101.2	2580.85	103.2	P
Iron	1000.0	1025.25	102.5	10000.0	9971.36	99.7	10183.18	101.8	P
Lead									NR
Magnesium	10000.0	10061.16	100.6	50000.0	50546.92	101.1	51534.21	103.1	P
Manganese	1000.0	1005.54	100.6	1500.0	1499.87	100.0	1523.93	101.6	P
Mercury	5.0	4.05	81.0	5.0	5.59	111.8	4.73	94.6	CV
Nickel	1000.0	989.43	98.9	4000.0	3943.46	98.6	4002.35	100.1	P
Potassium	10000.0	10167.39	101.7	50000.0	50531.13	101.1	53880.55	107.8	P
Selenium									NR
Silver	1000.0	1033.88	103.4	1000.0	1026.10	102.6	1043.29	104.3	P
Sodium	10000.0	10109.35	101.1	50000.0	50378.79	100.8	53842.14	107.7	P
Thallium									NR
Vanadium	1000.0	1002.15	100.2	5000.0	5024.76	100.5	5126.52	102.5	P
Zinc	1000.0	1003.27	100.3	2000.0	1996.85	99.8	2026.46	101.3	P

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				20000.0	20813.24	104.1	21226.13	106.1	P
Antimony				5000.0	5198.92	104.0	5305.84	106.1	P
Arsenic									NR
Barium				20000.0	21146.75	105.7	21571.04	107.9	P
Beryllium				500.0	513.98	102.8	525.46	105.1	P
Cadmium				500.0	506.31	101.3	522.53	104.5	P
Calcium				50000.0	51511.01	103.0	52450.47	104.9	P
Chromium				1000.0	1012.31	101.2	1043.00	104.3	P
Cobalt				5000.0	5110.51	102.2	5243.59	104.9	P
Copper				2500.0	2588.76	103.6	2644.05	105.8	P
Iron				10000.0	10260.71	102.6	10502.05	105.0	P
Lead									NR
Magnesium				50000.0	52018.35	104.0	52805.79	105.6	P
Manganese				1500.0	1540.53	102.7	1577.32	105.2	P
Mercury				5.0	4.23	84.6	4.14	82.8	CV
Nickel				4000.0	4041.60	101.0	4150.62	103.8	P
Potassium				50000.0	54598.60	109.2	55312.74	110.6	P
Selenium									NR
Silver				1000.0	1048.58	104.9	1066.22	106.6	P
Sodium				50000.0	54753.82	109.5	55133.68	110.3	P
Thallium									NR
Vanadium				5000.0	5167.66	103.4	5283.49	105.7	P
Zinc				2000.0	2036.44	101.8	2080.48	104.0	P

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				20000.0	21201.90	106.0	21007.81	105.0	P
Antimony				5000.0	5272.67	105.5	5290.40	105.8	P
Arsenic									NR
Barium				20000.0	21537.27	107.7	21312.48	106.6	P
Beryllium				500.0	522.94	104.6	519.14	103.8	P
Cadmium				500.0	513.33	102.7	515.59	103.1	P
Calcium				50000.0	52520.13	105.0	52059.85	104.1	P
Chromium				1000.0	1038.09	103.8	1036.56	103.7	P
Cobalt				5000.0	5194.85	103.9	5159.93	103.2	P
Copper				2500.0	2641.81	105.7	2628.73	105.1	P
Iron				10000.0	10410.73	104.1	10312.92	103.1	P
Lead									NR
Magnesium				50000.0	52861.94	105.7	52545.37	105.1	P
Manganese				1500.0	1565.87	104.4	1558.00	103.9	P
Mercury				5.0	4.87	97.4			CV
Nickel				4000.0	4113.02	102.8	4088.83	102.2	P
Potassium				50000.0	54637.25	109.3	53994.40	108.0	P
Selenium									NR
Silver				1000.0	1061.67	106.2	1064.72	106.5	P
Sodium				50000.0	54785.92	109.6	54495.94	109.0	P
Thallium									NR
Vanadium				5000.0	5248.43	105.0	5207.96	104.2	P
Zinc				2000.0	2065.72	103.3	2058.19	102.9	P

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				20000.0	21663.66	108.3	21545.26	107.7	P
Antimony				5000.0	5332.50	106.7	5314.81	106.3	P
Arsenic									NR
Barium				20000.0	22274.20	111.4	22022.07	110.1	P
Beryllium				500.0	529.76	106.0	527.93	105.6	P
Cadmium				500.0	518.63	103.7	517.26	103.5	P
Calcium				50000.0	51720.69	103.4	52196.31	104.4	P
Chromium				1000.0	1050.23	105.0	1051.49	105.1	P
Cobalt				5000.0	5210.06	104.2	5216.20	104.3	P
Copper				2500.0	2737.38	109.5	2716.07	108.6	P
Iron				10000.0	10459.60	104.6	10431.84	104.3	P
Lead									NR
Magnesium				50000.0	52797.83	105.6	52949.93	105.9	P
Manganese				1500.0	1584.64	105.6	1580.24	105.3	P
Mercury									NR
Nickel				4000.0	4118.87	103.0	4132.77	103.3	P
Potassium				50000.0	55410.03	110.8	54347.26	108.7	P
Selenium									NR
Silver				1000.0	1081.92	108.2	1075.53	107.6	P
Sodium				50000.0	56553.62	113.1	55234.26	110.5	P
Thallium									NR
Vanadium				5000.0	5313.62	106.3	5301.54	106.0	P
Zinc				2000.0	2084.01	104.2	2080.95	104.0	P

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605_1

Initial Calibration Source: TRACE

Continuing Calibration Source: TRACE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	1000.0	977.70	97.8	20000.0	19328.26	96.6	19789.57	98.9	P
Antimony	1000.0	989.20	98.9	5000.0	4828.25	96.6	5040.82	100.8	P
Arsenic									NR
Barium	1000.0	954.09	95.4	20000.0	18866.75	94.3	19550.98	97.8	P
Beryllium	1000.0	988.37	98.8	500.0	494.17	98.8	499.78	100.0	P
Cadmium	1000.0	982.51	98.3	500.0	519.87	104.0	518.25	103.7	P
Calcium	10000.0	9801.75	98.0	50000.0	51725.52	103.5	52504.98	105.0	P
Chromium	1000.0	965.12	96.5	1000.0	1026.74	102.7	1035.67	103.6	P
Cobalt	1000.0	979.97	98.0	5000.0	5097.70	102.0	5095.27	101.9	P
Copper	1000.0	980.87	98.1	2500.0	2388.42	95.5	2469.46	98.8	P
Iron	1000.0	986.08	98.6	10000.0	9955.36	99.6	9955.93	99.6	P
Lead									NR
Magnesium	10000.0	9668.39	96.7	50000.0	49141.02	98.3	50660.83	101.3	P
Manganese	1000.0	980.84	98.1	1500.0	1519.28	101.3	1535.22	102.3	P
Mercury									NR
Nickel	1000.0	962.85	96.3	4000.0	4087.70	102.2	4091.69	102.3	P
Potassium	10000.0	9695.38	97.0	50000.0	46844.29	93.7	50620.91	101.2	P
Selenium									NR
Silver	1000.0	998.06	99.8	1000.0	953.54	95.4	1001.87	100.2	P
Sodium	10000.0	9964.66	99.6	50000.0	46628.42	93.3	50786.30	101.6	P
Thallium									NR
Vanadium	1000.0	971.93	97.2	5000.0	4953.28	99.1	5003.07	100.1	P
Zinc	1000.0	973.22	97.3	2000.0	2002.34	100.1	2010.84	100.5	P

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				20000.0	19610.07	98.1	19295.39	96.5	P
Antimony				5000.0	4779.28	95.6	4853.49	97.1	P
Arsenic									NR
Barium				20000.0	19312.07	96.6	18958.35	94.8	P
Beryllium				500.0	495.12	99.0	488.69	97.7	P
Cadmium				500.0	521.41	104.3	521.73	104.3	P
Calcium				50000.0	49317.73	98.6	51175.38	102.4	P
Chromium				1000.0	1042.09	104.2	1039.86	104.0	P
Cobalt				5000.0	5118.01	102.4	5107.22	102.1	P
Copper				2500.0	2442.42	97.7	2408.59	96.3	P
Iron				10000.0	9927.12	99.3	9854.09	98.5	P
Lead									NR
Magnesium				50000.0	47637.32	95.3	48551.65	97.1	P
Manganese				1500.0	1534.13	102.3	1529.98	102.0	P
Mercury									NR
Nickel				4000.0	4111.01	102.8	4099.32	102.5	P
Potassium				50000.0	44762.33	89.5	47693.87	95.4	P
Selenium									NR
Silver				1000.0	944.69	94.5	962.11	96.2	P
Sodium				50000.0	45070.44	90.1	47771.98	95.5	P
Thallium									NR
Vanadium				5000.0	4985.08	99.7	4944.48	98.9	P
Zinc				2000.0	2000.30	100.0	1984.71	99.2	P

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605_1

Initial Calibration Source: TRACE

Continuing Calibration Source: TRACE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				20000.0	19088.16	95.4	18881.00	94.4	P
Antimony				5000.0	4820.18	96.4	4790.36	95.8	P
Arsenic									NR
Barium				20000.0	18751.26	93.8	18369.86	91.8	P
Beryllium				500.0	483.37	96.7	478.28	95.7	P
Cadmium				500.0	515.59	103.1	513.52	102.7	P
Calcium				50000.0	50922.26	101.8	50926.54	101.9	P
Chromium				1000.0	1024.60	102.5	1017.37	101.7	P
Cobalt				5000.0	5051.35	101.0	5003.59	100.1	P
Copper				2500.0	2378.53	95.1	2339.14	93.6	P
Iron				10000.0	9744.77	97.4	9655.11	96.6	P
Lead									NR
Magnesium				50000.0	48535.53	97.1	48573.86	97.1	P
Manganese				1500.0	1511.95	100.8	1494.11	99.6	P
Mercury									NR
Nickel				4000.0	4050.53	101.3	4012.47	100.3	P
Potassium				50000.0	48642.84	97.3	47227.00	94.5	P
Selenium									NR
Silver				1000.0	960.35	96.0	954.26	95.4	P
Sodium				50000.0	48824.93	97.6	47566.40	95.1	P
Thallium									NR
Vanadium				5000.0	4890.59	97.8	4832.59	96.7	P
Zinc				2000.0	1957.83	97.9	1950.19	97.5	P

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic	1000.0	1058.56	105.9	1000.0	1013.58	101.4	1005.76	100.6	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead	1000.0	997.57	99.8	1000.0	1004.26	100.4	996.20	99.6	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium	1000.0	1075.81	107.6	1000.0	1010.36	101.0	1010.44	101.0	P
Silver									NR
Sodium									NR
Thallium	1000.0	989.26	98.9	1000.0	1015.95	101.6	1006.57	100.7	P
Vanadium									NR
Zinc									NR

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic				1000.0	1008.54	100.9	1026.33	102.6	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead				1000.0	996.05	99.6	1014.49	101.4	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium				1000.0	1009.60	101.0	1032.29	103.2	P
Silver									NR
Sodium									NR
Thallium				1000.0	996.69	99.7	1020.13	102.0	P
Vanadium									NR
Zinc									NR

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic				1000.0	1025.27	102.5	1034.63	103.5	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead				1000.0	1012.33	101.2	1013.13	101.3	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium				1000.0	1031.13	103.1	1034.48	103.4	P
Silver									NR
Sodium									NR
Thallium				1000.0	1023.92	102.4	1031.32	103.1	P
Vanadium									NR
Zinc									NR

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic				1000.0	1038.00	103.8	1045.77	104.6	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead				1000.0	1010.09	101.0	1013.38	101.3	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium				1000.0	1031.58	103.2	1034.89	103.5	P
Silver									NR
Sodium									NR
Thallium				1000.0	1033.78	103.4	1044.41	104.4	P
Vanadium									NR
Zinc									NR

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

Initial Calibration Source: TRACE_____

Continuing Calibration Source: TRACE_____

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic				1000.0	1045.39	104.5			P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead				1000.0	1013.85	101.4			P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium				1000.0	1034.56	103.5			P
Silver									NR
Sodium									NR
Thallium				1000.0	1053.38	105.3			P
Vanadium									NR
Zinc									NR

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

FORM II (PART 1) - IN

ILM03.0

U.S. EPA - CLP

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

AA CRDL Standard Source: PERKIN-ELMER

ICP CRDL Standard Source: TRACE_____

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				120.0	77.31	64.4	80.52	67.1
Arsenic								
Barium								
Beryllium				10.0	10.33	103.3	10.83	108.3
Cadmium				10.0	11.35	113.5	11.18	111.8
Calcium								
Chromium				20.0	22.94	114.7	25.82	129.1
Cobalt				100.0	107.08	107.1	109.95	110.0
Copper				50.0	50.62	101.2	55.69	111.4
Iron								
Lead								
Magnesium								
Manganese				30.0	28.66	95.5	29.00	96.7
Mercury	1.0	1.02	102.0					
Nickel				80.0	86.41	108.0	88.80	111.0
Potassium								
Selenium								
Silver				20.0	25.23	126.2	22.93	114.7
Sodium								
Thallium								
Vanadium				100.0	106.27	106.3	110.84	110.8
Zinc				40.0	41.87	104.7	42.64	106.6

FORM II (PART 2) - IN

ILM03.0

U.S. EPA - CLP

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

AA CRDL Standard Source: PERKIN-ELMER

ICP CRDL Standard Source: TRACE_____

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				120.0	100.22	83.5	91.95	76.6
Arsenic								
Barium								
Beryllium				10.0	10.16	101.6	9.90	99.0
Cadmium				10.0	11.55	115.5	11.00	110.0
Calcium								
Chromium				20.0	24.55	122.8	24.59	123.0
Cobalt				100.0	104.65	104.7	103.48	103.5
Copper				50.0	54.46	108.9	48.62	97.2
Iron								
Lead								
Magnesium								
Manganese				30.0	31.33	104.4	30.99	103.3
Mercury								
Nickel				80.0	86.09	107.6	83.22	104.0
Potassium								
Selenium								
Silver				20.0	25.02	125.1	25.95	129.8
Sodium								
Thallium								
Vanadium				100.0	105.40	105.4	102.36	102.4
Zinc				40.0	41.72	104.3	43.40	108.5

FORM II (PART 2) - IN

ILM03.0

U.S. EPA - CLP

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

AA CRDL Standard Source: PERKIN-ELMER

ICP CRDL Standard Source: TRACE_____

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				20.0	21.55	107.8	22.71	113.6
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead				6.0	4.35	72.5	5.21	86.8
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium				10.0	10.01	100.1	8.16	81.6
Silver								
Sodium								
Thallium				20.0	17.95	89.8	16.38	81.9
Vanadium								
Zinc								

FORM II (PART 2) - IN

ILM03.0

U.S. EPA - CLP

3
BLANKS

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605_1

Preparation Blank Matrix (soil/water): SOIL_

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

00,31069

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank		M
			1	C	2	C	3	C		C	
Aluminum	28.0	U	28.0	U	28.0	U	47.9	B	5.600	U	P
Antimony	-22.2	B	18.0	U	18.0	U	18.0	U	3.600	U	P
Arsenic	2.0	U	2.0	U	2.1	B	2.0	U	0.400	U	P
Barium	6.0	U	6.0	U	6.0	U	7.1	B	1.200	U	P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Cadmium	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	P
Calcium	170.0	U	170.0	U	170.0	U	170.0	U	34.000	U	P
Chromium	5.0	U	5.0	U	5.0	U	5.0	U	1.000	U	P
Cobalt	6.0	U	6.0	U	6.0	U	6.0	U	1.200	U	P
Copper	9.0	U	9.0	U	9.0	U	9.0	U	1.800	U	P
Iron	7.0	U	7.0	U	7.0	U	53.1	B	1.400	U	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	0.300	U	P
Magnesium	105.0	U	105.0	U	105.0	U	105.0	U	21.000	U	P
Manganese	-2.8	B	2.0	U	2.0	U	2.0	U	-0.608	B	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.100	U	CV
Nickel	7.0	U	7.0	U	7.0	U	7.0	U	1.400	U	P
Potassium	186.0	U	186.0	U	186.0	U	186.0	U	37.200	U	P
Selenium	2.6	U	2.6	U	2.6	U	2.6	U	0.520	U	P
Silver	3.0	U	4.2	B	3.2	B	3.0	U	0.600	U	P
Sodium	190.0	U	190.0	U	190.0	U	190.0	U	38.000	U	P
Thallium	3.4	B	3.1	U	3.1	U	3.1	U	0.620	U	P
Vanadium	8.0	U	8.0	U	8.0	U	8.0	U	1.600	U	P
Zinc	2.0	U	2.0	U	2.0	U	2.1	B	0.400	U	P

10/24/94
gbr

FORM III - IN

ILM03.0

3
BLANKS

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No. : 18681

SAS No. : _____

SDG No.: 4605_1

Preparation Blank Matrix (soil/water): _____

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

[illegible]

FORM III - IN

ILM03.0

3
BLANKS

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

54

3
BLANKS

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

55

3
BLANKS

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

56

ICP INTERFERENCE CHECK SAMPLE

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No:

SDG No.: 4605_1

ICP ID Number: TJA

ICS Source: TRACE

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	100000	500000	510287	500164.2	100.0	533449	531624.8	106.3
Antimony	1	1000	-62	933.2	93.3	-50	997.7	99.8
Arsenic								
Barium	1	500	22	475.0	95.0	22	510.4	102.1
Beryllium	1	500	0	470.3	94.1	0	492.0	98.4
Cadmium	1	1000	82	975.1	97.5	84	1009.7	101.0
Calcium	250000	500000	482850	473765.4	94.8	494671	497077.2	99.4
Chromium	1	500	3	452.3	90.5	5	472.1	94.4
Cobalt	1	500	-2	446.1	89.2	-3	466.3	93.3
Copper	1	500	23	504.3	100.9	22	538.4	107.7
Iron	100000	200000	180341	176633.1	88.3	185195	184873.2	92.4
Lead								
Magnesium	10000	500000	530996	521867.0	104.4	544842	545101.3	109.0
Manganese	1	500	17	468.0	93.6	18	490.5	98.1
Mercury								
Nickel	1	1000	6	874.2	87.4	6	912.5	91.3
Potassium	1		-332			-389		
Selenium								
Silver	1	1000	2	969.0	96.9	2	1015.1	101.5
Sodium	1		239			230		
Thallium								
Vanadium	1	500	14	468.1	93.6	14	493.4	98.7
Zinc	1	1000	31	985.6	98.6	30	1022.7	102.3

FORM IV - IN

7/88

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No:

SDG No.: 4605_1

ICP ID Number: TJA

ICS Source: TRACE

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	100000	500000	497081	493494.6	98.7	472986	472616.3	94.5
Antimony	1	1000	-46	943.3	94.3	-25	903.3	90.3
Arsenic								
Barium	1	500	21	464.8	93.0	20	439.1	87.8
Beryllium	1	500	0	464.4	92.9	0	447.0	89.4
Cadmium	1	1000	82	974.1	97.4	80	987.8	98.8
Calcium	250000	500000	469245	474404.0	94.9	477949	479229.1	95.8
Chromium	1	500	7	459.3	91.9	11	456.8	91.4
Cobalt	1	500	-2	449.5	89.9	-3	442.4	88.5
Copper	1	500	23	509.4	101.9	25	478.3	95.7
Iron	100000	200000	174452	174065.5	87.0	170428	170093.6	85.0
Lead								
Magnesium	10000	500000	508666	509718.9	101.9	499927	500345.0	100.1
Manganese	1	500	20	471.8	94.4	20	468.7	93.7
Mercury								
Nickel	1	1000	6	887.8	88.8	9	884.5	88.5
Potassium	1		-344			-314		
Selenium								
Silver	1	1000	3	956.4	95.6	5	921.9	92.2
Sodium	1		271			344		
Thallium								
Vanadium	1	500	13	465.9	93.2	16	453.4	90.7
Zinc	1	1000	31	978.2	97.8	34	958.7	95.9

FORM IV - IN

7/88

ICP INTERFERENCE CHECK SAMPLE

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No:

SDG No.: 4605_1

ICP ID Number: TRACE

ICS Source: TRACE

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum								
Antimony								
Arsenic	1	1000	1	999.1	99.9	3	1032.4	103.2
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	1	1000	0	962.3	96.2	0	974.1	97.4
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium	1	1000	-12	960.3	96.0	-10	991.4	99.1
Silver								
Sodium								
Thallium	1	1000	-3	971.6	97.2	-5	1010.0	101.0
Vanadium								
Zinc								

FORM IV - IN

7/88

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name: S_CUBED

Contract: 32507-3073

20325S

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605_1

Matrix: SOIL

Level (low/med): LOW

% Solids for Sample: 93.2

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

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum			#2				NR
Antimony	75-125	16.9163	4.5129 B	21.46	57.8	N	P
Arsenic	75-125	13.2682	3.0880	8.58	118.7		P
Barium	75-125	556.7918	110.1738	429.18	104.1		P
Beryllium	75-125	14.9485	3.2704	10.73	108.8		P
Cadmium	75-125	0.4399 B	0.4292 U	10.73	4.1	N	P
Calcium							NR
Chromium	75-125	52.7489	5.4700	42.92	110.2		P
Cobalt	75-125	116.3584	1.8455 B	107.30	106.7		P
Copper		1147.3240	900.2876	53.65	460.5		P
Iron							NR
Lead		870.6867	413.0300	4.29	10668.0		P
Magnesium							NR
Manganese	75-125	290.3648	184.5987	107.30	98.6		P
Mercury							NR
Nickel	75-125	121.0622	6.9635 B	107.30	106.3		P
Potassium							NR
Selenium	75-125	1.0579 B	0.5579 U	2.15	49.2	N	P
Silver	75-125	9.8927	0.6438 U	10.73	92.2		P
Sodium							NR
Thallium	75-125	9.4785	0.6652 U	10.73	88.3		P
Vanadium	75-125	125.9292	8.9442 B	107.30	109.0		P
Zinc	75-125	172.9421	77.6116	107.30	88.8		P

Comments:

4605-21S 94.20325MS

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name: S_CUBED

Contract: 32507-3073

20325A

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix: SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Added (SA)	%R	Q	M
Aluminum		28766.07	27088.12	2000.0	83.9		P
Antimony		576.15	21.03	500.0	111.0		P
Arsenic		2099.76	14.39	2000.0	104.3		P
Barium		2577.77	513.41	2000.0	103.2		P
Beryllium		64.46	15.24	50.0	98.4		P
Cadmium		52.26	2.00	50.0	104.5		P
Calcium							NR
Chromium		230.82	25.49	200.0	102.7		P
Cobalt		529.95	8.60	500.0	104.3		P
Copper		4399.04	4195.34	250.0	81.5		P
Iron		32104.71	31802.91	1000.0	30.2		P
Lead		2393.61	1924.72	500.0	93.8		P
Magnesium							NR
Manganese		1365.35	860.23	500.0	101.0		P
Mercury							NR
Nickel		543.01	32.45	500.0	102.1		P
Potassium							NR
Selenium		2064.67	2.60	2000.0	103.2		P
Silver		38.50	3.00	50.0	77.0		P
Sodium							NR
Thallium		2044.81	3.10	2000.0	102.2		P
Vanadium		561.83	41.68	500.0	104.0		P
Zinc		872.65	361.67	500.0	102.2		P

Comments:

4605-21A 94.20325A

FORM V (Part 2) - IN

8/89

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

20325D

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

Matrix (soil/water): SOIL_ Level (low/med): LOW_

% Solids for Sample: 93.2 % Solids for Duplicate: 93.2

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5812.9013		5600 5599.6567		3.7		P
Antimony		4.5129	B	53.4 3.8627	U	200.0		P
Arsenic	2.1	3.0880		3.1 3.0622		0.8		P
Barium	42.9	110.1738		123.2425		11.2		P
Beryllium	1.1	3.2704		3.5 3.4592		5.6		P
Cadmium	1.1	0.4292	U	2.5 2.4957		200.0	*	P
Calcium	1073.0	1691.8691		1774.0472		4.7		P
Chromium	2.1	5.4700		5.6 5.5665		1.7		P
Cobalt		1.8455	B	2.4 2.3991	B	26.1		P
Copper		900.2876		1275 1274.6524		34.4	*	P
Iron		6824.6588		7471.0515		9.0		P
Lead		413.0300		575.3240		32.8	*	P
Magnesium		939.6674	B	918 917.5193	B	2.4		P
Manganese		184.5987		217.3090		16.3		P
Mercury								NR
Nickel		6.9635	B	7.14 7.1373	B	2.5		P
Potassium		683.3691	B	696 695.6888	B	1.8		P
Selenium		0.5579	U	0.56 0.5579	U			P
Silver	2.1	0.6438	U	12.2253		200.0	*	P
Sodium		120.2446	B	116.4163	B	3.2		P
Thallium		0.6652	U	0.67 0.6652	U			P
Vanadium		8.9442	B	10 10.1116	B	12.3		P
Zinc		77.6116		58.1953		28.6	*	P

FORM VI - IN

7/88

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

Solid LCS Source: ERA219_____

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L)			Solid (mg/kg)					%R
	True	Found	%R	True	Found	C	Limits		
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury				32.0	33.5		14.0	40.0	104.7
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									

FORM VII - IN

7/88

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

Solid LCS Source: ERA219_____

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum				3650.0	4672.1		1930.0 5580.0	128.0
Antimony				75.0	59.8		32.0 350.0	79.7
Arsenic				72.1	89.8		35.0 110.0	124.5
Barium				64.8	71.5		45.0 88.0	110.3
Beryllium				26.7	30.4		17.0 37.0	113.9
Cadmium				61.6	72.6		36.0 86.0	117.9
Calcium				2330.0	2758.7		1580.0 3170.0	118.4
Chromium				44.1	48.8		26.0 61.0	110.7
Cobalt				177.0	207.7		112.0 246.0	117.3
Copper				78.1	91.6		48.0 110.0	117.3
Iron				7360.0	7526.7		4930.0 11000.0	102.3
Lead				50.9	60.6		27.0 71.0	119.1
Magnesium				2550.0	3015.8		1610.0 3600.0	118.3
Manganese				141.0	160.9		97.0 190.0	114.1
Mercury								
Nickel				110.0	127.5		65.0 157.0	115.9
Potassium				3310.0	4070.3		2090.0 4400.0	123.0
Selenium				74.2	90.2		36.0 108.0	121.6
Silver				71.7	58.4		29.0 105.0	81.5
Sodium				346.0	397.6	B	180.0 506.0	114.9
Thallium				64.1	74.8		31.0 98.0	116.7
Vanadium				83.0	93.6		56.0 113.0	112.8
Zinc				78.2	92.2		45.0 119.0	117.9

FORM VII - IN

7/88

U.S. EPA - CLP

9

EPA SAMPLE NO.

ICP SERIAL DILUTION

20325 L

Lab Name: S_CUBED Contract: 32507-3073

Lab Code: S3 Case No.: 18681 SAS No.: SDG No.: 4605_1

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Aluminum	27088.12		26726.75		1.3		P
Antimony	21.03	B	90.00	U	100.0		P
Arsenic	14.39		25.40	B	76.5		P
Barium	513.41		505.75	B	1.5		P
Beryllium	15.24		15.15	B	0.6		P
Cadmium	2.00	U	10.00	U			P
Calcium	7884.11		7841.80	B	0.5		P
Chromium	25.49		41.60	B	63.2		P
Cobalt	8.60	B	30.00	U	100.0		P
Copper	4195.34		4159.70		0.8		P
Iron	31802.91		36427.75		14.5	E	P
Lead	1924.72		1943.35		1.0		P
Magnesium	4378.85	B	4341.30	B	0.9		P
Manganese	860.23		858.95		0.1		P
Mercury							
Nickel	32.45	B	35.30	B	8.8		P
Potassium	3184.50	B	2917.50	B	8.4		P
Selenium	2.60	U	13.00	U			P
Silver	3.00	U	15.00	U			P
Sodium	560.34	B	950.00	U	100.0		P
Thallium	3.10	U	15.50	U			P
Vanadium	41.68	B	44.85	B	7.6		P
Zinc	361.67		359.85		0.5		P

FORM IX - IN

ILM03.0

U.S. EPA - CLP

10

Instrument Detection Limits (Quarterly)

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.:

SDG No.: 4605_1

ICP ID Number:

Date: 07/29/94

Flame AA ID Number : IL

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury		BD	0.2	0.2	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

FORM X - IN

7/88

U.S. EPA - CLP

10

Instrument Detection Limits (Quarterly)

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

ICP ID Number:

TJA_____

Date: 08/23/94

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.22		200	28.0	P
Antimony	206.83		60	18.0	P
Arsenic			10		NR
Barium	493.41		200	6.0	P
Beryllium	313.04		5	1.0	P
Cadmium	226.50		5	2.0	P
Calcium	317.93		5000	170.0	P
Chromium	267.72		10	5.0	P
Cobalt	228.62		50	6.0	P
Copper	324.75		25	9.0	P
Iron	259.94		100	7.0	P
Lead			3		NR
Magnesium	279.08		5000	105.0	P
Manganese	257.61		15	2.0	P
Mercury			0.2		NR
Nickel	213.60		40	7.0	P
Potassium	766.40		5000	186.0	P
Selenium			5		NR
Silver	328.07		10	3.0	P
Sodium	588.99		5000	190.0	P
Thallium			10		NR
Vanadium	310.23		50	8.0	P
Zinc	213.86		20	2.0	P

Comments:

FORM X - IN

7/88

U.S. EPA - CLP

10

Instrument Detection Limits (Quarterly)

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605_1

ICP ID Number:

TRACE

Date:

09/08/94

Flame AA ID Number :

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic	189.04		10	2.0	P
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead	220.35		3	1.5	P
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium	196.03		5	2.6	P
Silver			10		NR
Sodium			5000		NR
Thallium	190.86		10	3.1	P
Vanadium			50		NR
Zinc			20		NR

Comments:

FORM X - IN

7/88

U.S. EPA - CLP

11A

ICP Interelement Correction Factors (Annually)

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

ICP ID Number: TJA_____

Date: 05/15/94

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		Al	Ca	Fe	Mg	BA_
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	0.0023000
Antimony	206.83	0.0000000	0.0000270	0.0001020	0.0000280	0.0007000
Arsenic	193.70	0.0051000	0.0000000	0.0010000	0.0000000	0.0005000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0008000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0008700	0.0000000	0.0002000	0.0000500	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	213.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0060000
Selenium	196.03	0.0000000	0.0004000	0.0040000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0000000	0.0000300	0.0003600	0.0000000	0.0000000
Vanadium	310.23	0.0000000	0.0000000	0.0002100	0.0000000	0.0000000
Zinc	213.86	0.0000000	0.0000000	0.0001000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

11B

ICP Interelement Correction Factors (Annually)

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

ICP ID Number: TJA_____

Date: 05/15/94

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		CR_	CU_	MN_	NI_	V_
Aluminum	308.22	0.0000000	0.0001770	0.0000000	0.0003530	0.0191800
Antimony	206.83	0.0120000	0.0002023	0.0000000	0.0016440	0.0084000
Arsenic	193.70	0.0011900	0.0000000	0.0000000	0.0063000	0.0012500
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0025410
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0012600
Cobalt	228.62	0.0001970	0.0000000	0.0000000	0.0002570	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0002750	0.0000000	0.0001940	0.0000000	0.0010000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0004000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0089000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	213.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0020000
Potassium	766.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0002000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0006140	0.0000000	0.0006000	0.0000000	0.0040900
Vanadium	310.23	0.0038000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.86	0.0000000	0.0017780	0.0000000	0.0038800	0.0000000

Comments:

U.S. EPA - CLP

11A

ICP Interelement Correction Factors (Annually)

Lab Name: S_CUBED_____ Contract: 32507-3073

Lab Code: S3_____ Case No.: 18681 SAS No.: _____ SDG No.: 4605_1

ICP ID Number: TRACE_____ Date: 09/08/94

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		Al	Ca	Fe	Mg	BA
Aluminum	308.22	0.0000000	0.0001300	0.0005550	0.0008000	0.0041100
Antimony	206.83	0.0000000	0.0000000	0.0000440	0.0001200	0.0001000
Arsenic	189.04	0.0000100	0.0000000	0.0000000	0.0001900	0.0003600
Barium	493.41	0.0000000	0.0000300	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0001400	0.0000000	0.0000000
Calcium	317.93	0.0001900	0.0000000	0.0001060	0.0010100	0.0088000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000300	0.0000500
Cobalt	228.62	0.0000000	0.0000000	0.0000400	0.0000200	0.0001400
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0003300
Iron	271.44	0.0001030	0.0001100	0.0000000	0.0074200	0.0002600
Lead	220.35	0.0002700	0.0000200	0.0001900	0.0001000	0.0000400
Magnesium	279.55	0.0000000	0.0000200	0.0001520	0.0000000	0.0020800
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0001200
Mercury	257.30	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0002490	0.0000200	0.0000800
Potassium	766.49	0.0000700	0.0000400	0.0000000	0.0003300	0.0009100
Selenium	196.03	0.0000000	0.0000300	0.0000450	0.0001200	0.0002500
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000300
Sodium	589.00	0.0000530	0.0000500	0.0000390	0.0000600	0.0008700
Thallium	190.86	0.0000200	0.0000000	0.0000600	0.0001400	0.0002700
Vanadium	292.40	0.0000000	0.0000000	0.0001500	0.0000000	0.0000000
Zinc	213.86	0.0000000	0.0000000	0.0001660	0.0000500	0.0001000

Comments:

U.S. EPA - CLP

11B

ICP Interelement Correction Factors (Annually)

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

ICP ID Number: TRACE_____

Date: 09/08/94

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		CR_	MN_	NI_	V_	_____
Aluminum	308.22	-0.0007900	-0.0074200	-0.0070700	0.0113100	
Antimony	206.83	-0.0005400	-0.0000400	-0.0015800	-0.0007200	
Arsenic	189.04	-0.0002300	-0.0000700	0.0000000	-0.0001600	
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	
Beryllium	313.04	0.0000000	0.0000000	0.0000000	-0.0057000	
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	
Calcium	317.93	0.0001100	0.0094000	0.0065100	0.0062100	
Chromium	267.72	0.0000000	-0.0001000	-0.0000800	0.0000400	
Cobalt	228.62	0.0001200	0.0000700	0.0004000	-0.0000500	
Copper	324.75	0.0000700	-0.0004400	-0.0005000	-0.0004700	
Iron	271.44	0.0065100	0.0020000	0.0003200	0.0162000	
Lead	220.35	0.0031100	0.0003600	0.0004400	0.0003300	
Magnesium	279.55	-0.0006000	0.0020100	0.0020500	0.0024600	
Manganese	257.61	0.0000000	0.0000000	0.0002400	0.0002400	
Mercury	257.30	0.0000000	0.0000000	0.0000000	0.0000000	
Nickel	231.60	0.0001500	-0.0001200	0.0000000	0.0000400	
Potassium	766.49	0.0000000	0.0127900	-0.0125100	0.0012600	
Selenium	196.03	0.0001500	-0.0007300	-0.0005800	0.0001800	
Silver	328.07	0.0001400	0.0000800	0.0000000	0.0001900	
Sodium	589.00	0.0000000	0.0340000	0.0000000	0.0660000	
Thallium	190.86	0.0000000	0.0002700	0.0001800	-0.0002500	
Vanadium	292.40	0.0001500	0.0000000	0.0000000	0.0000000	
Zinc	213.86	0.0002100	0.0001200	0.0034000	0.0001000	

Comments:

U.S. EPA - CLP

12

ICP Linear Ranges (Quarterly)

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3

Case No.: 18681

SAS No.:

SDG No.: 4605_1

ICP ID Number: TJA

Date: 08/27/94

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	5.00	400000.0	
Antimony	5.00	100000.0	
Arsenic	5.00	10000.0	
Barium	5.00	40000.0	
Beryllium	5.00	5000.0	
Cadmium	5.00	1000.0	
Calcium	5.00	500000.0	
Chromium	5.00	10000.0	
Cobalt	5.00	10000.0	
Copper	5.00	25000.0	
Iron	5.00	200000.0	
Lead	5.00	5000.0	
Magnesium	5.00	1000000.0	
Manganese	5.00	15000.0	
Mercury			NR
Nickel	5.00	8000.0	
Potassium	5.00	1000000.0	
Selenium	5.00	10000.0	
Silver	5.00	1000.0	
Sodium	5.00	100000.0	
Thallium	5.00	10000.0	
Vanadium	5.00	50000.0	
Zinc	5.00	20000.0	

Comments:

U.S. EPA - CLP

12

ICP Linear Ranges (Quarterly)

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

ICP ID Number: TRACE_____

Date: 09/08/94

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	3.00	500000.0	
Antimony	3.00	40000.0	
Arsenic	3.00	20000.0	
Barium	3.00	30000.0	
Beryllium	3.00	40000.0	
Cadmium	3.00	20000.0	
Calcium	3.00	160000.0	
Chromium	3.00	40000.0	
Cobalt	3.00	40000.0	
Copper	3.00	40000.0	
Iron	3.00	100000.0	
Lead	3.00	40000.0	
Magnesium	3.00	10000.0	
Manganese	3.00	10000.0	
Mercury	3.00		
Nickel	3.00	40000.0	
Potassium	3.00	500000.0	
Selenium	3.00	40000.0	
Silver	3.00	5000.0	
Sodium	3.00	500000.0	
Thallium	3.00	40000.0	
Vanadium	3.00	40000.0	
Zinc	3.00	4000.0	

Comments:

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13
PREPARATION LOG

Lab Name: S_CUBED_____

Contract: 32507-3073

Lab Code: S3_____

Case No.: 18681

SAS No.: _____

SDG No.: 4605_1

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
20325	09/13/94	1.00	200
20325	09/13/94	1.00	200
20325D	09/13/94	1.00	200
20325D	09/13/94	1.00	200
20325S	09/13/94	1.00	200
20325S	09/13/94	1.00	200
20326	09/13/94	1.00	200
20326	09/13/94	1.00	200
20327	09/13/94	1.00	200
20327	09/13/94	1.00	200
20328	09/13/94	1.00	200
20328	09/13/94	1.00	200
20329	09/13/94	1.00	200
20329	09/13/94	1.00	200
20330	09/13/94	1.00	200
20330	09/13/94	1.00	200
20331	09/13/94	1.00	200
20331	09/13/94	1.00	200
20332	09/13/94	1.00	200
20332	09/13/94	1.00	200
20333	09/13/94	1.00	200
20333	09/13/94	1.00	200
20334	09/13/94	1.00	200
20334	09/13/94	1.00	200
20335	09/13/94	1.00	200
20335	09/13/94	1.00	200
20336	09/13/94	1.00	200
20336	09/13/94	1.00	200
20337	09/13/94	1.00	200
20337	09/13/94	1.00	200
20338	09/13/94	1.00	200
20338	09/13/94	1.00	200

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PREPARATION LOG

Method: p_

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PREPARATION LOG

Method: CV

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ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.: 4605_1

Instrument ID Number: TJA

Method: P

Start Date: 09/16/94

End Date: 09/17/94

EPA Sample No.	D/F	Time	% R	Analytes																	
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K S	E G
STD1-BLA	1.00	1748		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
STD2	1.00	1755		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
STD3	1.00	1803		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
ICV	1.00	1810		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
ICB	1.00	1817		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
CRI1	1.00	1824		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
ICSA1	1.00	1831		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
ICSAB1	1.00	1838		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
ZZZZZZ		1845		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1853		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1900		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1907		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1914		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1921		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1928		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV1	1.00	1936		X	-	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
CCVAG1	1.00	1943		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
CCB1	1.00	1950		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
ZZZZZZ		1957		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2004		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2012		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2019		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2033		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2040		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2047		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2054		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		2101		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV2	1.00	2109		X	-	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
CCVAG2	1.00	2116		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
CCB2	1.00	2123		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-
ZZZZZZ		2130		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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14

ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.: 4605_1

Instrument ID Number: TJA

Method: P

Start Date: 09/16/94

End Date: 09/17/94

EPA Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	
ZZZZZZ		2137		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2144		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2152		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2159		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2206		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2213		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2220		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2227		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2234		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCV3	1.00	2242		X	-	-	X	X	X	-	X	X	X	X	-	-	X	-	-	-	-	-	-	X	X	-	
CCVAG3	1.00	2249		-	X	-	-	-	-	X	-	X	X	X	-	X	-	X	-	X	X	X	-	X	-	-	
CCB3	1.00	2256		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
ZZZZZZ		2303		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2310		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2317		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2324		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2332		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2339		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2346		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		2353		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0000		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCV4	1.00	0007		X	-	-	X	X	X	-	X	X	X	X	-	-	X	-	-	-	-	-	-	X	X	-	
CCVAG4	1.00	0014		-	X	-	-	-	-	X	-	X	X	X	-	X	-	X	-	X	X	X	-	X	-	-	
CCB4	1.00	0021		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	
ICSA2	1.00	0029		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	
ICSAB2	1.00	0036		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	
CRI2	1.00	0043		-	X	-	-	X	X	-	X	X	X	X	-	-	X	-	-	X	-	-	-	X	X	-	
CCV5	1.00	0050		X	-	-	X	X	X	-	X	X	X	X	-	-	X	-	-	-	-	-	-	X	X	-	
CCVAG5	1.00	0057		-	X	-	-	-	-	X	-	X	X	-	-	X	-	-	X	-	X	X	-	-	X	-	
CCB5	1.00	0104		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	
PBS0913B	1.00	0111		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	
LCSS0913	1.00	0119		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	

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U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.: 4605_1

Instrument ID Number: TJA

Method: P

Start Date: 09/16/94

End Date: 09/17/94

EPA Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	
ZZZZZZ		0126		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0133		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20325L	1.00	0140		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20325	1.00	0147		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20325R	1.00	0154		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20325S	1.00	0201		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20325A	1.00	0209		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20326	1.00	0216		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV6	1.00	0223		X	-	-	X	X	X	-	X	X	X	X	-	-	X	-	X	-	-	-	-	-	X	X	
CCVAG6	1.00	0230		-	X	-	-	-	-	X	-	-	-	-	-	X	-	-	-	X	-	X	-	-	-	-	
CCB6	1.00	0237		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20327	1.00	0244		X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20328	1.00	0251		X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20329	1.00	0258		X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20330	1.00	0306		X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20331	1.00	0313		X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20332	1.00	0320		X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20333	1.00	0327		X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20334	1.00	0334		X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20335	1.00	0341		X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20336	1.00	0349		X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV7	1.00	0356		X	-	-	X	X	X	-	X	X	X	X	-	-	X	-	X	-	-	-	-	-	X	X	
CCVAG7	1.00	0403		-	X	-	-	-	-	X	-	-	-	-	-	X	-	-	-	X	-	X	-	-	-	-	
CCB7	1.00	0410		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	
20337	1.00	0417		X	X	-	-	X	X	X	X	X	X	X	-	X	X	-	X	-	-	-	-	-	X	X	
20338	1.00	0424		X	X	-	-	X	X	X	X	X	X	X	-	X	X	-	X	-	-	-	-	-	X	X	
20339	1.00	0431		X	X	-	-	X	X	X	X	X	X	X	-	X	-	-	X	-	-	-	-	-	X	X	
20340	1.00	0439		X	X	-	-	X	X	X	X	X	X	X	-	X	X	-	X	-	-	-	-	-	X	X	
ZZZZZZ		0446		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0453		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0500		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCV F	1.00	0507		X	-	-	X	X	X	-	X	X	X	X	-	-	X	-	X	-	-	-	-	-	X	X	

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ANALYSIS RUN LOG

End Date: 09/17/94

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U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.:4605_1

Instrument ID Number: TJA

Method: P

Start Date: 09/18/94

End Date: 09/18/94

EPA Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	
STD1-BLA	1.00	1242		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
STD2	1.00	1249		X	X	-	-	-	-	X	X	X	X	-	X	X	-	-	-	-	X	X	-	-	-	-	
STD3	1.00	1254		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
ICV	1.00	1307		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
ICB	1.00	1314		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
CRI1	1.00	1321		X	X	-	-	-	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
ICSA1	1.00	1328		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
ICSAB1	1.00	1336		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
ZZZZZZ		1343		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1350		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1357		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1404		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1411		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1418		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1426		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCV1	1.00	1433		X	-	-	X	X	X	-	X	X	X	-	-	X	-	X	-	-	-	-	-	X	X	-	
CCVAG1	1.00	1440		X	X	-	-	-	-	X	X	X	X	-	X	-	-	X	-	-	X	X	-	-	-	-	
CCB1	1.00	1447		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
ZZZZZZ		1454		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1501		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		1509		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20327	1.00	1516		-	-	-	X	-	-	-	-	-	-	-	-	-	-	X	-	X	X	-	-	-	-	-	
20328	1.00	1523		-	-	-	X	-	-	-	-	-	-	-	-	-	-	X	-	X	X	-	-	-	-	-	
20329	1.00	1530		-	-	-	X	-	-	-	-	-	-	-	-	-	-	X	-	X	X	-	-	-	-	-	
20330	1.00	1537		-	-	-	X	-	-	-	-	-	-	-	-	-	-	X	-	X	X	-	-	-	-	-	
20331	1.00	1544		-	-	-	X	-	-	-	-	-	-	-	-	-	-	X	-	X	X	-	-	-	-	-	
20332	1.00	1551		-	-	-	X	-	-	-	-	-	-	-	-	-	-	X	-	X	X	-	-	-	-	-	
20333	1.00	1558		-	-	-	X	-	-	-	-	-	-	-	-	-	-	X	-	X	X	-	-	-	-	-	
CCV2	1.00	1606		X	-	-	X	X	X	-	X	X	X	-	-	X	-	X	-	-	-	-	-	X	X	-	
CCVAG2	1.00	1613		-	X	-	-	-	-	X	X	X	X	-	X	-	-	X	-	X	X	-	-	-	-	-	
CCB2	1.00	1620		X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	-	
20334	1.00	1627		-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.: 4605_1

Instrument ID Number: TJA

Method: P

Start Date: 09/18/94

End Date: 09/18/94

EPA Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V N	Z N	
20335	1.00	1635		-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	X	-	X	-	-	-	-		
20336	1.00	1642		-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	X	-	X	-	-	-	-		
20337	1.00	1649		-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	X	-	X	-	-	-	-		
20338	1.00	1656		-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	X	-	X	-	-	-	-		
20339	20.00	1703		-	-	-	X	-	-	-	-	-	-	-	-	X	-	-	X	-	X	-	-	-	-		
ZZZZZZ		1710		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20340	5.00	1718		-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	X	-	X	-	-	-	-		
ZZZZZZ		1725		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		1732		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CCV3	1.00	1739		X	-	-	X	X	X	-	X	X	X	X	-	X	-	X	-	-	-	-	X	X	-		
CCVAG3	1.00	1746		-	X	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	X	-	-	X	-		
CCB3	1.00	1753		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X		
ZZZZZZ		1800		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20344	1.00	1808		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X		
ZZZZZZ		1815		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		1822		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		1829		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		1836		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		1843		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		1850		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		1858		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		1905		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CCV4	1.00	1912		X	-	-	X	X	X	-	X	X	X	X	-	-	X	-	X	-	-	-	X	X	-		
CCVAG4	1.00	1919		-	X	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	X	-	-	X	-		
CCB4	1.00	1926		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X		
ZZZZZZ		1933		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		1940		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		1948		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		1955		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		2002		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		2009		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZZZZZZ		2016		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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ANALYSIS RUN LOG

End Date: 09/18/94

EPA Sample No.	D/F	Time	% R	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V	Z N			
ZZZZZZ		2023		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ		2031		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CCV5	1.00	2038		X	-	-	X	X	X	-	X	X	X	X	-	-	X	-	X	-	-	-	-	X	X	-			
CCVAG5	1.00	2045		-	X	-	-	-	X	-	X	-	-	-	X	-	X	-	X	-	X	-	-	-	-	-			
CCB5	1.00	2052		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ICSA2	1.00	2059		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ICSAB2	1.00	2106		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CRI2	1.00	2113		-	X	-	-	X	X	-	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X			
CCV2 F	1.00	2120		X	-	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X			
CCVAG F	1.00	2128		-	X	-	-	-	-	X	X	X	X	-	-	-	-	X	-	X	-	-	-	X	X	-			
CCB2 F	1.00	2135		X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X			
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14
ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.: 4605_1

Instrument ID Number: TRACE

Method: P

Start Date: 09/21/94

End Date: 09/22/94

EPA Sample No.	D/F	Time	% R	Analytes																					
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V
STD1-BLA	1.00	1400		-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
STD3	1.00	1406		-	-	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	-	-
ICV	1.00	1413		-	-	X	X	-	-	-	-	-	-	X	-	-	-	-	-	-	-	X	X	-	-
ICB	1.00	1419		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	-	X	X	X	-	-
CRI1	1.00	1426		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	-	X	X	X	-	-
ICSA1	1.00	1432		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	-	X	X	X	-	-
ICSAB1	1.00	1439		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	X	-	-
ZZZZZZ		1445		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1451		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1458		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1504		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1511		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1517		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1523		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV1	1.00	1530		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	X	-	-	-
CCB1	1.00	1536		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	X	-	X	-	-
ZZZZZZ		1543		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1549		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1555		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1602		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1608		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1615		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1621		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1627		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1634		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV2	1.00	1640		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	X	-	-	-
CCB2	1.00	1647		-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-	X	X	-	X	-	-
ZZZZZZ		1653		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1659		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1706		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1712		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1718		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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14
ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.: 4605_1

Instrument ID Number: TRACE

Method: P

Start Date: 09/21/94

End Date: 09/22/94

EPA Sample No.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N
ZZZZZZ		1725		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1731		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1738		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV3	1.00	1744		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
CCB3	1.00	1750		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
PBS0913B	1.00	1757		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
LCSS0913	1.00	1803		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
ZZZZZZ		1810		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		1816		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20325L	1.00	1823		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20325	1.00	1829		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20325R	1.00	1835		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20325S	1.00	1842		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
CCV4	1.00	1848		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
CCB4	1.00	1855		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20325A	1.00	1901		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20326	1.00	1907		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20327	1.00	1914		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20328	1.00	1920		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20329	1.00	1927		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20330	1.00	1933		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20331	1.00	1939		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20332	1.00	1946		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20333	1.00	1952		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
CCV5	1.00	1959		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
CCB5	1.00	2005		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20334	1.00	2011		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20335	1.00	2018		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20336	1.00	2024		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20337	1.00	2031		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20338	1.00	2037		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-
20339	1.00	2043		-	-	X	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	-	X	-	-	-

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14
ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.: 4605_1

Instrument ID Number: TRACE

Method: P

Start Date: 09/21/94

End Date: 09/22/94

EPA Sample No.	D/F	Time	% R	Analytes															
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I
20340	1.00	2050				X								X					
ZZZZZZ		2056																	
CCV6	1.00	2103				X								X					
CCB6	1.00	2109				X								X					
ZZZZZZ		2115																	
20344	1.00	2122				X								X					
ZZZZZZ		2128																	
ZZZZZZ		2135																	
ZZZZZZ		2141																	
ZZZZZZ		2148																	
ZZZZZZ		2154																	
ZZZZZZ		2200																	
CCV7	1.00	2207				X								X					
CCB7	1.00	2213				X								X					
ZZZZZZ		2220																	
ZZZZZZ		2226																	
ZZZZZZ		2232																	
ZZZZZZ		2239																	
ZZZZZZ		2245																	
ZZZZZZ		2252																	
ZZZZZZ		2258																	
ZZZZZZ		2305																	
CCV8	1.00	2311				X								X					
CCB8	1.00	2317				X								X					
ZZZZZZ		2324																	
ZZZZZZ		2330																	
ZZZZZZ		2337																	
CRI2	1.00	2343				X								X					
ICSA2	1.00	2349				X								X					
ICSAB2	1.00	2356				X								X					
CCV3 F	1.00	0002				X								X					
CCB F	1.00	0009				X								X					

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14
ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.:4605_1

Instrument ID Number: IL

Method: CV

Start Date: 09/15/94

End Date: 09/15/94

EPA Sample No.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N
S0	1.00	0800		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S0.5	1.00	0801		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S1	1.00	0802		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S5	1.00	0803		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S10	1.00	0804		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ICV	1.00	0810		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ICB	1.00	0811		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CRA	1.00	0812		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ		0813		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PBS0915B	1.00	0814		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ		0815		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LCSS0915	1.00	0816		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ		0817		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0818		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0819		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0820		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0821		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV1	1.00	0822		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB1	1.00	0823		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ		0824		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0825		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0826		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0827		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0828		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0829		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0830		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0831		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0832		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ		0833		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV2	1.00	0834		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB2	1.00	0835		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ		0836		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FORM XIV - IN

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U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: S_CUBED

Contract: 32507-3073

Lab Code: S3 Case No.: 18681

SAS No.: SDG No.: 4605_1

Instrument ID Number: IL

Method: CV

Start Date: 09/15/94

End Date: 09/15/94

EPA Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N T	T A	V L	Z N	
ZZZZZZ		0837		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0838		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0839		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZZZ		0840		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20325	1.00	0841		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20326	1.00	0842		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20327	1.00	0843		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20328	1.00	0844		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20329	1.00	0845		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCV3	1.00	0846		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCB3	1.00	0847		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20330	1.00	0848		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20331	1.00	0849		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20332	1.00	0850		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20333	1.00	0851		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20334	1.00	0852		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20335	1.00	0853		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20336	1.00	0854		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20337	1.00	0855		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20341	1.00	0856		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20342	1.00	0857		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCV4	1.00	0858		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCB4	1.00	0859		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20343	1.00	0900		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
20344	1.00	0901		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCV F	1.00	0902		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
CCB F	1.00	0903		-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

FORM XIV - IN

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ICP Run Log

SDG No. _____

Lot No. _____

9612, 4605, 4647

Instrument I.D.: T Date: 9-16-94 Analyst: RM

Method: CLPMO File/Archive I.D.: T091640

All Run QC Good?: Yes No Accept All Data?: Yes No

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4612-010	5	05			Use for Fe only
2		-040	10				Use for Ca only
3		-050	5				Use for Fe only
4		P850912A					-As
5		LC550912A					
6		4647-01L					
7		-01		CU			
8		-01R					
9		-01S					Re 102R; Re 104R
10		-01A					Re 99R; Re 101R
11		-02					
12		-03					
13		P850913A					-As
14		LC550913A					
15		4605-01L					
16		-01					
17		-01R		CU			
18		-01S					Re 102R; Re 107R
19		-01A					Re 99R; Re 102R
20	Y	-02					

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV	9-125	CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
 OS (Opening Statement): CRI, ICSA, ICSAB
 CV (Continuing Verification): CCV, CCVAg, CCB
 CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
 1-ICV/CCV 4-Prep. Blank
 2-ICSAB 5-LCS
 3-ICB/CCB 6-MS

7-Rep. 10-Dil/Rerun
 8-An. Spk. 11-Other
 9-Srl. Dil. 12-Other

Review: 77

SA-11, Rev. 7/94



ICP Run Log

SDG No. _____
Lot No. 4612, 4605

Instrument I.D.: 5 Date: 9-16-94 Analyst: Rm
Method: CLP Mo File/Archive I.D.: 7091648
All Run QC Good?: Yes No Accept All Data?: Yes No

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4605-03					
2		4605-04					
3		4605-05					
4		4605-06					
5		4605-07					
6		4605-08					
7		4605-09		CU			
8		4605-10					
9		4605-11					
10		4605-12					
11		4605-13					
12		4605-14					
13		4605-15					
14		4605-16					
15		4605-17					
16		4605-18					
17		4605-Rm		CU			
18		PBS 09133					
19		LCSS09133					
20		4605-19					

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV	9-129	CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
OS (Opening Statement): CRI, ICSA, ICSAB
CV (Continuing Verification): CCV, CCVAg, CCB
CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
1-ICV/CCV 4-Prep. Blank
2-ICSAB 5-LCS
3-ICB/CCB 6-MS

7-Rep. 10-Oil/Rerun
8-An. Spk. 11-Other
9-Sri. Oil. 12-Other

Review: _____

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ICP Run Log

SDG No. _____

Lot No. 4612, 4605

Instrument I.D.: T Date: 7-16-94 Analyst: Rm

Method: CLPM File/Archive I.D.: T09164B

All Run QC Good?: Yes NO Accept All Data?: Yes NO

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4605-20					
2		4605-21L					
3		4605-21					
4		4605-21R					
5		4605-21S					2u 1092h; 2u 872h
6		4605-21A					2u 992h; 2u 1022h
7		4605-22		CV ✓			Reason all from here for Ag, Ba, K, Na
8		4605-23					
9		4605-24					
10		4605-25					
11		4605-26					
12		4605-27					
13		4605-28					
14		4605-29					
15		4605-30					
16		4605-31					
17		4605-32		CV			-Ag, -Ba, -K, -Na
18		4605-33					
19		4605-34					
20	✓	4605-35					↓ 2u not run due to Dil 20x rx

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV	8-129	CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
 OS (Opening Statement): CRI, ICSA, ICSAB
 CV (Continuing Verification): CCV, CCVAg, CCB
 CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
 1-ICV/CCV 4-Prep. Blank
 2-ICSAB 5-LCS
 3-ICB/CCB 6-MS

7-Rep. 10-Dil/Rerun
 8-An. Spk. 11-Other
 9-Srl. Dil. 12-Other

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Review: _____



ICP Run Log

SDG No. _____

Lot No. 4612, 4605Instrument I.D.: T Date: 9-16-94 Analyst: RunMethod: CLP Me File/Archive I.D.: TD91648All Run QC Good?: Yes No Accept All Data?: Yes No

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4605-36		CS	1		- Ag, Ba, K, - Na (1) Ag, Ba, Na 4605-36 Also run 5X 0:1 for Pb.
2							
3							Do not use Pb
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV	8-129	CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
OS (Opening Statement): CRI, ICSA, ICSAB
CV (Continuing Verification): CCV, CCVAg, CCB
CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
1-ICV/CCV 4-Prep. Blank 7-Rep. 10-Dil/Rerun
2-ICSAB 5-LCS 8-An. Spk. 11-Other
3-ICB/CCB 6-MS 9-Sri. Dil. 12-Other

Review: _____

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD1-Blank	T09164B	CLPMO	09/16/94	17:48		X	IR
2	STD2	T09164B	CLPMO	09/16/94	17:55		X	IR
3	STD3	T09164B	CLPMO	09/16/94	18:03		X	IR
4	ICV	T09164B	CLPMO	09/16/94	18:10		Q	CONC
5	ICB	T09164B	CLPMO	09/16/94	18:17		Q	CONC
6	CRI	T09164B	CLPMO	09/16/94	18:24		Q	CONC
7	ICSA	T09164B	CLPMO	09/16/94	18:31		Q	CONC
8	ICSAB	T09164B	CLPMO	09/16/94	18:38		Q	CONC
9	4612-01D	T09164B	CLPMO	09/16/94	18:45	RM	S	CONC
10	4612-04D	T09164B	CLPMO	09/16/94	18:53	RM	S	CONC
11	4612-05D	T09164B	CLPMO	09/16/94	19:00	RM	S	CONC
12	PBS0912A	T09164B	CLPMO	09/16/94	19:07	RM	S	CONC
13	LCSS0912A	T09164B	CLPMO	09/16/94	19:14	RM	S	CONC
14	4647-01L	T09164B	CLPMO	09/16/94	19:21	RM	S	CONC
15	4647-01	T09164B	CLPMO	09/16/94	19:28	RM	S	CONC
16	CCV	T09164B	CLPMO	09/16/94	19:36	RM	Q	CONC
17	CCVAG	T09164B	CLPMO	09/16/94	19:43	RM	Q	CONC
18	CCB	T09164B	CLPMO	09/16/94	19:50	RM	Q	CONC
19	4647-01R	T09164B	CLPMO	09/16/94	19:57	RM	S	CONC
20	4647-01S	T09164B	CLPMO	09/16/94	20:04	RM	S	CONC
21	4647-01A	T09164B	CLPMO	09/16/94	20:12	RM	S	CONC
22	4647-02	T09164B	CLPMO	09/16/94	20:19	RM	S	CONC
23	4647-03	T09164B	CLPMO	09/16/94	20:26	RM	S	CONC
24	PBS0913A	T09164B	CLPMO	09/16/94	20:33	RM	S	CONC
25	LCSS0913A	T09164B	CLPMO	09/16/94	20:40	RM	S	CONC
26	4605-01L	T09164B	CLPMO	09/16/94	20:47	RM	S	CONC
27	4605-01	T09164B	CLPMO	09/16/94	20:54	RM	S	CONC
28	4605-01R	T09164B	CLPMO	09/16/94	21:01	RM	S	CONC
29	CCV	T09164B	CLPMO	09/16/94	21:09	RM	Q	CONC
30	CCVAG	T09164B	CLPMO	09/16/94	21:16	RM	Q	CONC
31	CCB	T09164B	CLPMO	09/16/94	21:23	RM	Q	CONC
32	4605-01S	T09164B	CLPMO	09/16/94	21:30	RM	S	CONC
33	4605-01A	T09164B	CLPMO	09/16/94	21:37	RM	S	CONC
34	4605-02	T09164B	CLPMO	09/16/94	21:44	RM	S	CONC
35	4605-03	T09164B	CLPMO	09/16/94	21:52	RM	S	CONC
36	4605-04	T09164B	CLPMO	09/16/94	21:59	RM	S	CONC
37	4605-05	T09164B	CLPMO	09/16/94	22:06	RM	S	CONC
38	4605-06	T09164B	CLPMO	09/16/94	22:13	RM	S	CONC
39	4605-07	T09164B	CLPMO	09/16/94	22:20	RM	S	CONC
40	4605-08	T09164B	CLPMO	09/16/94	22:27	RM	S	CONC
41	4605-09	T09164B	CLPMO	09/16/94	22:34	RM	S	CONC
42	CCV	T09164B	CLPMO	09/16/94	22:42	RM	Q	CONC
43	CCVAG	T09164B	CLPMO	09/16/94	22:49	RM	Q	CONC
44	CCB	T09164B	CLPMO	09/16/94	22:56	RM	Q	CONC
45	4605-10	T09164B	CLPMO	09/16/94	23:03	RM	S	CONC
46	4605-11	T09164B	CLPMO	09/16/94	23:10	RM	S	CONC
47	4605-12	T09164B	CLPMO	09/16/94	23:17	RM	S	CONC
48	4605-13	T09164B	CLPMO	09/16/94	23:24	RM	S	CONC
49	4605-14	T09164B	CLPMO	09/16/94	23:32	RM	S	CONC
50	4605-15	T09164B	CLPMO	09/16/94	23:39	RM	S	CONC
51	4605-16	T09164B	CLPMO	09/16/94	23:46	RM	S	CONC
52	4605-17	T09164B	CLPMO	09/16/94	23:53	RM	S	CONC
53	4605-18	T09164B	CLPMO	09/17/94	00:00	RM	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCV	T09164B	CLPMO	09/17/94	00:07	RM	Q	CONC
55	CCVAG	T09164B	CLPMO	09/17/94	00:14	RM	Q	CONC
56	CCB	T09164B	CLPMO	09/17/94	00:21	RM	Q	CONC
57	ICSA	T09164B	CLPMO	09/17/94	00:29	RM	Q	CONC
58	ICSAB	T09164B	CLPMO	09/17/94	00:36	RM	Q	CONC
59	CRI	T09164B	CLPMO	09/17/94	00:43	RM	Q	CONC
60	CCV	T09164B	CLPMO	09/17/94	00:50	RM	Q	CONC
61	CCVAG	T09164B	CLPMO	09/17/94	00:57	RM	Q	CONC
62	CCB	T09164B	CLPMO	09/17/94	01:04	RM	Q	CONC
63	PBS0913B	T09164B	CLPMO	09/17/94	01:11	RM	S	CONC
64	LCSS0913B	T09164B	CLPMO	09/17/94	01:19	RM	S	CONC
65	4605-19	T09164B	CLPMO	09/17/94	01:26	RM	S	CONC
66	4605-20	T09164B	CLPMO	09/17/94	01:33	RM	S	CONC
67	4605-21L	T09164B	CLPMO	09/17/94	01:40	RM	S	CONC
68	4605-21	T09164B	CLPMO	09/17/94	01:47	RM	S	CONC
69	4605-21R	T09164B	CLPMO	09/17/94	01:54	RM	S	CONC
70	4605-21S	T09164B	CLPMO	09/17/94	02:01	RM	S	CONC
71	4605-21A	T09164B	CLPMO	09/17/94	02:09	RM	S	CONC
72	4605-22	T09164B	CLPMO	09/17/94	02:16	RM	S	CONC
73	CCV	T09164B	CLPMO	09/17/94	02:23	RM	Q	CONC
74	CCVAG	T09164B	CLPMO	09/17/94	02:30	RM	Q	CONC
75	CCB	T09164B	CLPMO	09/17/94	02:37	RM	Q	CONC
76	4605-23	T09164B	CLPMO	09/17/94	02:44	RM	S	CONC
77	4605-24	T09164B	CLPMO	09/17/94	02:51	RM	S	CONC
78	4605-25	T09164B	CLPMO	09/17/94	02:58		S	CONC
79	4605-26	T09164B	CLPMO	09/17/94	03:06		S	CONC
80	4605-27	T09164B	CLPMO	09/17/94	03:13		S	CONC
81	4605-28	T09164B	CLPMO	09/17/94	03:20		S	CONC
82	4605-29	T09164B	CLPMO	09/17/94	03:27		S	CONC
83	4605-30	T09164B	CLPMO	09/17/94	03:34		S	CONC
84	4605-31	T09164B	CLPMO	09/17/94	03:41		S	CONC
85	4605-32	T09164B	CLPMO	09/17/94	03:49		S	CONC
86	CCV	T09164B	CLPMO	09/17/94	03:56		Q	CONC
87	CCVAG	T09164B	CLPMO	09/17/94	04:03		Q	CONC
88	CCB	T09164B	CLPMO	09/17/94	04:10		Q	CONC
89	4605-33	T09164B	CLPMO	09/17/94	04:17		S	CONC
90	4605-34	T09164B	CLPMO	09/17/94	04:24		S	CONC
91	4605-35	T09164B	CLPMO	09/17/94	04:31		S	CONC
92	4605-36	T09164B	CLPMO	09/17/94	04:39		S	CONC
93	ICSA	T09164B	CLPMO	09/17/94	04:46		Q	CONC
94	ICSAB	T09164B	CLPMO	09/17/94	04:53		Q	CONC
95	CRI	T09164B	CLPMO	09/17/94	05:00		Q	CONC
96	CCV	T09164B	CLPMO	09/17/94	05:07		Q	CONC
97	CCVAG	T09164B	CLPMO	09/17/94	05:14		Q	CONC
98	CCB	T09164B	CLPMO	09/17/94	05:22		Q	CONC

#	Element	STD1	lank	STD2	STD3	ICV	ICB	CRI
1	Ag3280	-.12604		1.54272		1.034	.0011	Q.0252
2	Al3082	.01673			3.01433	1.034	.0059	.0219
3	As1936	-.04046			1.59533	.9842	.0051	Q.0293
4	Ba4934	-.00046			26.9277	.9756	.0004	Q.0005
5	Be3130	.0052			1.45926	1.007	.0003	.0103
6	Ca3179	.00246		24.3569		10.25	-.0001	.0119
7	Cd2265	-.00026			.87373	1.024	.0003	.0114
8	Co2286	.00106			6.73113	1.018	-.0001	.1071
9	Cr2677	.00646			2.21259	1.000	.0019	.0229
10	Cu3247	.00773			1.65066	.9974	-.0018	.0506
11	Fe2599	.00006			2.66586	1.025	.0015	.0059
12	K_7664	.012		1.87253		10.17	-.0233	.0340
13	Mg2790	.003		7.54213		10.06	-.0221	.0064
14	Mn2576	.0068			1.48253	1.006	Q-.0028	.0287
15	Mo2020	-.00013			.46986	1.005	.0003	.0184
16	Na5889	.1896		9.53506		10.11	-.0353	-.0011
17	Ni2316	.01298			4.51527	.9894	.0016	.0864
18	Pb2203	.01273			.33619	1.074	-.0071	.1148
19	Sb2068	.01686		5.6996		1.042	-.0222	Q.0773
20	Se1960	-.03173			5.38566	1.009	-.0018	Q.0344
21	Tl1908	-.00086			.72166	1.010	-.0161	Q.0010
22	V_2924	-.00086			9.2016	1.002	.0001	.1063
23	Zn2138	.09013			2.91013	1.003	-.0009	.0419

#	Element	ICSA	ICSAB	4612-01D	4612-04D	4612-05D	PBS0912A
1	Ag3280	.0024	.9690	-.0073	.0043	-.0019	.0017
2	Al3082	510.3	500.2	29.45	1.835	15.91	.0175
3	As1936	.0720	.9773	.0694	.0097	.0644	L-.0107
4	Ba4934	.0217	.4750	.0321	.0776	.4905	-.0000
5	Be3130	.0001	.4703	.0006	.0001	.0003	.0000
6	Ca3179	482.9	473.8	41.82	119.5	17.21	.0178
7	Cd2265	.0821	.9751	.0060	.0006	.0406	.0015
8	Co2286	-.0020	.4461	.0372	.0019	.0259	-.0012
9	Cr2677	.0029	.4523	.0248	.0066	.3119	.0035
10	Cu3247	.0225	.5043	.0794	.0067	.9197	.0022
11	Fe2599	180.3	176.6	54.28	2.294	55.62	.0238
12	K_7664	-.3321	-.3459	.1359	.1235	1.062	-.0000
13	Mg2790	531.0	521.9	17.00	.9893	10.51	.0044
14	Mn2576	.0174	.4680	.9726	.0236	.6923	-.0029
15	Mo2020	.0005	.9016	.0013	-.0006	.0415	-.0009
16	Na5889	.2393	1.233	2.459	.2165	.9038	.1081
17	Ni2316	.0056	.8742	.0359	.0039	.2495	.0009
18	Pb2203	.0613	.9983	.0142	-.0044	1.489	.0076
19	Sb2068	-.0617	.9332	L-.0301	-.0134	-.0165	-.0179
20	Se1960	-.1621	4.607	.0122	.0145	.0099	.0023
21	Tl1908	.0880	.9137	L-.1815	.0080	L-.0790	-.0124
22	V_2924	.0141	.4681	.1915	.0049	.0868	.0007
23	Zn2138	.0309	.9856	.0796	.0054	1.603	.0029

#	Element	LCS'912A	4647-01L	4647-01	CCV	CCVAG	CCB
1	Ag3280	.4437	.0012	-.0008	1.052	1.026	.0042
2	Al3082	42.60	2.512	12.70	20.22	.0080	.0143
3	As1936	.9154	.0165	.0143	1.007	-.0014	.0082
4	Ba4934	.6819	.0305	.1542	20.34	.0116	.0017
5	Be3130	.2972	.0003	.0008	.5042	.0003	.0001
6	Ca3179	27.51	3.216	16.16	.0124	49.83	.0322
7	Cd2265	.7169	.0000	.0009	.4973	.0081	.0000
8	Co2286	2.036	.0016	.0034	4.968	.0023	.0028
9	Cr2677	.4774	.0064	.0099	.9927	.0027	.0034
10	Cu3247	.8991	.0038	.0092	2.530	.0034	.0026
11	Fe2599	68.13	1.809	9.048	9.971	.0083	.0040
12	K_7664	38.19	.4833	2.241	.1901	50.53	.0734
13	Mg2790	29.13	.5094	2.475	-.0013	50.55	.0305
14	Mn2576	1.528	.0192	.1054	1.500	-.0001	-.0005
15	Mo2020	1.112	-.0002	.0069	1.003	-.0001	-.0009
16	Na5889	3.719	.2515	1.281	-.0321	50.38	-.0039
17	Ni2316	1.254	.0032	.0066	3.943	.0032	.0031
18	Pb2203	.6359	.0017	.0145	.4915	.0161	.0053
19	Sb2068	.4182	-.0147	-.0022	.0123	5.101	-.0062
20	Se1960	.8693	.0098	-.0037	5.020	.0008	.0005
21	Tl1908	.6444	-.0089	-.0175	.9821	-.0089	.0088
22	V_2924	.8870	.0044	.0142	5.025	.0042	.0020
23	Zn2138	.9123	.0054	.0251	1.997	.0048	-.0010

#	Element	4647-01R	4647-01S	4647-01A	4647-02	4647-03	PBS0913A
1	Ag3280	-.0004	.0467	.0450	-.0018	-.0026	-.0002
2	Al3082	11.76	24.99	14.64	58.08	36.78	.0220
3	As1936	.0066	.0471	2.019	.0488	.0367	H.0102
4	Ba4934	.1472	2.174	2.130	.5019	.7362	.0004
5	Be3130	.0008	.0508	.0495	.0046	.0027	.0000
6	Ca3179	16.43	14.69	15.90	32.08	208.2	.1475
7	Cd2265	.0008	.0013	.0507	.0043	.0026	.0003
8	Co2286	.0011	.5166	.5094	.0164	.0079	-.0008
9	Cr2677	.0098	.2195	.2088	.0342	.0219	.0027
10	Cu3247	.0116	.2786	.2649	.0388	.0223	.0018
11	Fe2599	8.198	11.37	9.966	47.56	22.30	.0120
12	K_7664	2.044	2.946	2.167	8.036	5.200	-.0306
13	Mg2790	2.340	3.408	2.414	9.646	10.98	-.0044
14	Mn2576	.1047	.6160	.6086	.9296	.2108	-.0001
15	Mo2020	.0012	1.011	1.003	.0045	.0013	-.0031
16	Na5889	1.158	1.077	1.207	.5942	1.207	.0967
17	Ni2316	.0072	.5176	.5050	.0377	.0269	.0007
18	Pb2203	.0033	.0495	.5338	.0980	.0403	-.0126
19	Sb2068	-.0100	.0679	.5014	-.0149	L-.0323	-.0248
20	Se1960	.0276	.0298	2.031	.0189	-.0204	-.0013
21	Tl1908	-.0161	-.0122	1.966	L-.0406	-.0027	-.0132
22	V_2924	.0101	.5303	.5183	.0691	.0376	.0008
23	Zn2138	.0208	.5448	.5297	.1799	.0970	.0000

#	Element	LCS'913A	4605-01L	4605-01	4605-01R	CCV	CCVAG
1	Ag3280	.5878	.0017	-.0009	-.0041	1.072	1.043
2	Al3082	46.49	6.296	32.33	37.91	20.77	.0170
3	As1936	.9264	.0155	.0402	.0524	1.011	-.0019
4	Ba4934	.7007	.2303	1.179	1.354	21.01	.0079
5	Be3130	.2954	.0007	.0026	.0026	.5103	.0001
6	Ca3179	26.80	2.283	11.70	12.22	.0078	50.97
7	Cd2265	.7010	.0025	.0035	.0045	.5024	.0076
8	Co2286	2.016	.0048	.0217	.0204	5.066	.0015
9	Cr2677	.4848	.0086	.0319	.0301	1.007	.0056
10	Cu3247	.8996	.0470	.2457	.2467	2.581	.0022
11	Fe2599	79.86	8.043	40.92	43.61	10.18	.0068
12	K_7664	40.26	1.277	6.570	7.026	.1440	53.88
13	Mg2790	29.58	1.587	8.130	9.006	-.0109	51.53
14	Mn2576	1.550	.3264	1.686	1.791	1.524	-.0003
15	Mo2020	1.138	-.0007	.0019	.0005	1.012	.0003
16	Na5889	3.894	.0717	.5086	.6427	-.0414	53.84
17	Ni2316	1.241	.0095	.0334	.0338	4.002	.0029
18	Pb2203	.6270	.0335	.0784	.0597	.4698	.0044
19	Sb2068	.7661	-.0171	-.0185	-.0168	-.0140	5.170
20	Se1960	.8514	.0102	.0088	.0033	5.048	.0041
21	Ti1908	.6464	-.0233	L-.0633	L-.0928	1.011	.0225
22	V_2924	.9214	.0217	.0932	.1001	5.127	.0030
23	Zn2138	.9123	.0284	.1444	.1443	2.026	.0043

#	Element	CCB	4605-01S	4605-01A	4605-02	4605-03	4605-04
1	Ag3280	.0032	.0414	.0409	-.0065	.0034	-.0019
2	Al3082	.0161	58.36	34.17	136.9	14.57	85.00
3	As1936	.0052	.0879	2.071	.0542	.0420	.0869
4	Ba4934	.0020	3.427	3.214	2.904	.5248	1.254
5	Be3130	.0000	.0534	.0518	.0072	.1723	.0114
6	Ca3179	.0246	14.00	11.56	44.79	15.28	14.59
7	Cd2265	.0008	.0043	.0542	.0046	.0015	.0006
8	Co2286	.0009	.5440	.5385	.0495	.0107	.0385
9	Cr2677	.0024	.2412	.2338	.0610	.0981	.0464
10	Cu3247	.0016	1.197	.5056	.0537	2.666	.6834
11	Fe2599	.0053	51.62	41.32	86.16	25.49	74.71
12	K_7664	.0502	9.079	6.727	8.435	2.201	10.43
13	Mg2790	.0119	11.51	7.989	16.45	4.377	12.96
14	Mn2576	-.0005	2.348	2.175	2.627	.4936	2.360
15	Mo2020	.0009	1.008	1.014	.0071	.0020	.0071
16	Na5889	-.0335	1.097	.5243	5.975	.4409	.7244
17	Ni2316	.0011	.5488	.5351	.0582	.0774	.0544
18	Pb2203	.0015	.0959	.5948	.1077	.9108	.1274
19	Sb2068	-.0120	.0435	.5111	L-.0364	-.0041	L-.0369
20	Se1960	-.0115	.0091	2.042	.0006	-.0104	.0058
21	Ti1908	-.0077	L-.1062	1.924	L-.1129	L-.0275	L-.0990
22	V_2924	.0016	.6390	.6100	.1505	.0376	.1187
23	Zn2138	-.0016	.6792	.6568	.1397	.2917	.2413

#	Element	4605-05	4605-06	4605-07	4605-08	4605-09	CCV
1	Ag3280	.0014	-.0035	-.0039	-.0038	.0197	1.077
2	Al3082	85.38	88.75	82.53	68.21	62.85	20.81
3	As1936	.0786	.0485	.0904	.0675	.0689	1.015
4	Ba4934	3.957	.6580	1.156	1.069	.8141	21.15
5	Be3130	.0052	.0073	.0048	.0046	.0065	.5140
6	Ca3179	12.05	14.57	11.97	15.20	9.527	.0056
7	Cd2265	.0028	.0043	.0037	.0151	.0049	.5063
8	Co2286	.0305	.0240	.0354	.0265	.0379	5.111
9	Cr2677	.0385	.0570	.0550	.0429	.0450	1.012
10	Cu3247	36.61	.0463	.0424	.2089	.1983	2.589
11	Fe2599	61.36	57.09	80.21	63.23	66.17	10.26
12	K_7664	8.091	9.851	7.795	12.90	10.51	.1287
13	Mg2790	8.821	16.13	12.72	12.58	9.627	-.0108
14	Mn2576	1.883	1.486	1.975	1.617	2.590	1.541
15	Mo2020	.0043	.0078	.0050	.0023	.0036	1.023
16	Na5889	.8068	5.128	.8956	.5957	.4241	-.0485
17	Ni2316	.2720	.0500	.0450	.0424	.0415	4.042
18	Pb2203	.2891	.0759	.0956	.4896	.1324	.4990
19	Sb2068	L-.0302	-.0153	-.0003	-.0045	-.0241	-.0065
20	Se1960	.0021	-.0151	.0012	.0025	.0006	5.093
21	Ti1908	L-.0801	L-.0604	L-.0787	L-.0849	L-.0856	1.017
22	V_2924	.0894	.0922	.1449	.1196	.1351	5.168
23	Zn2138	1.466	.1308	.1380	.2076	.1865	2.036

#	Element	CCVAG	CCB	4605-10	4605-11	4605-12	4605-13
1	Ag3280	1.049	.0004	-.0023	-.0053	-.0037	-.0021
2	Al3082	.0151	0.0479	17.92	91.96	34.73	27.33
3	As1936	.0059	.0022	.0339	.0577	.0481	.0316
4	Ba4934	.0095	0.0071	.2746	.9756	.4990	.2402
5	Be3130	.0002	0-.0000	.0020	.0052	.0032	.0042
6	Ca3179	51.51	.0382	7.512	15.59	6.844	5.407
7	Cd2265	.0088	.0003	.0030	.0048	.0033	.0011
8	Co2286	.0016	.0000	.0082	.0283	.0174	.0079
9	Cr2677	.0045	.0003	.0122	.0440	.0231	.0204
10	Cu3247	.0051	-.0006	.0414	.0393	.0754	.0665
11	Fe2599	.0103	0.0531	28.53	57.45	41.19	31.77
12	K_7664	54.60	-.0089	3.547	11.47	6.247	3.470
13	Mg2790	52.02	.0186	3.242	11.52	5.496	4.343
14	Mn2576	-.0003	-.0001	1.195	1.484	1.486	.8608
15	Mo2020	.0000	-.0010	.0020	.0020	.0032	.0005
16	Na5889	54.75	-.0275	.4262	.6663	.4715	.5539
17	Ni2316	.0031	-.0000	.0109	.0426	.0220	.0267
18	Pb2203	-.0018	.0156	.0673	.0662	.1026	.0862
19	Sb2068	5.199	.0046	-.0221	-.0042	-.0129	L-.0300
20	Se1960	.0151	.0146	.0068	-.0025	-.0020	-.0216
21	Ti1908	-.0079	.0013	L-.0663	L-.0827	L-.0765	L-.0497
22	V_2924	.0043	.0019	.0318	.1031	.0609	.0401
23	Zn2138	.0051	.0021	.1391	.1159	.1505	.1312

#	Element	4605-14	4605-15	4605-16	4605-17	4605-18	CCV
1	Ag3280	.0037	.0005	-.0058	-.0045	-.0046	1.098
2	Al3082	22.20	22.35	95.22	80.10	99.92	21.23
3	As1936	.0585	.0333	.0596	.0653	.0682	1.045
4	Ba4934	.3971	.5134	1.220	1.086	1.731	21.57
5	Be3130	.0814	.0490	.0062	.0050	.0067	.5255
6	Ca3179	8.857	8.878	12.39	13.86	26.02	.0105
7	Cd2265	.0028	.0016	.0048	.0046	.0055	.5225
8	Co2286	.0087	.0063	.0379	.0305	.0239	5.244
9	Cr2677	.0468	.0331	.0532	.0494	.0597	1.043
10	Cu3247	19.62	4.808	.0493	.2343	.0513	2.644
11	Fe2599	27.21	27.21	71.39	64.33	76.01	10.50
12	K_7664	3.326	3.499	13.26	11.87	17.61	.1581
13	Mg2790	4.118	4.211	12.80	11.69	18.96	-.0057
14	Mn2576	.6671	.7190	2.430	1.761	1.141	1.577
15	Mo2020	.0038	.0022	.0018	.0052	.0010	1.037
16	Na5889	.4255	.4537	.6042	.5468	5.754	-.0310
17	Ni2316	.0475	.0389	.0511	.0457	.0538	4.151
18	Pb2203	H6.339	.3808	.0942	.2637	.0665	.4956
19	Sb2068	.0409	-.0043	-.0082	-.0076	-.0098	.0231
20	Se1960	.0149	-.0057	.0050	.0125	.0146	5.260
21	Ti1908	L-.0366	L-.0542	L-.1269	L-.1014	L-.0396	1.069
22	V_2924	.0399	.0330	.1335	.1269	.1163	5.283
23	Zn2138	.3396	.3307	.1626	.1676	.1819	2.080

#	Element	CCVAG	CCB	ICSA	ICSAB	CRI	CCV
1	Ag3280	1.066	.0025	.0016	1.015	.0229	1.092
2	Al3082	.0084	.0488	533.4	531.6	.2791	21.20
3	As1936	-.0033	.0026	-.0029	1.017	0.0270	1.036
4	Ba4934	.0074	0.0081	.0225	.5104	0.0014	21.54
5	Be3130	.0001	.0001	.0001	.4920	.0108	.5229
6	Ca3179	52.45	.0386	494.7	497.1	.2496	.0365
7	Cd2265	.0081	.0004	.0844	1.010	.0112	.5133
8	Co2286	.0009	.0014	-.0026	.4663	.1100	5.195
9	Cr2677	.0056	.0046	.0051	.4721	0.0258	1.038
10	Cu3247	.0027	0.0041	.0217	.5384	.0557	2.642
11	Fe2599	.0098	0.0551	185.2	184.9	.1066	10.41
12	K_7664	Q55.31	.0878	-.3892	-.3307	.0572	.1202
13	Mg2790	52.81	.0203	544.8	545.1	.2642	.0278
14	Mn2576	-.0009	Q-.0024	.0183	.4905	.0290	1.566
15	Mo2020	-.0031	.0004	-.0017	.9487	.0214	1.036
16	Na5889	Q55.13	-.0036	.2297	1.353	-.0275	-.0367
17	Ni2316	.0031	.0027	.0061	.9125	.0888	4.113
18	Pb2203	-.0056	.0268	.0200	1.034	.1079	.5198
19	Sb2068	5.306	-.0170	-.0504	.9977	0.0805	-.0188
20	Se1960	.0005	.0003	-.1222	4.782	.0110	5.195
21	Ti1908	.0029	-.0039	.0897	.9963	.0162	1.058
22	V_2924	.0030	.0022	.0135	.4934	.1108	5.248
23	Zn2138	.0041	.0014	.0298	1.023	.0426	2.066

#	Element	CCVAG	CCB	PBS0913B	LCS'913B	4605-19	4605-20
1	Ag3280	1.062	.0018	.0002	.5842	-.0064	-.0063
2	Al3082	.0170	.0197	.0233	46.72	74.40	60.89
3	As1936	.0065	.0104	-.0057	.9580	.0574	.0621
4	Ba4934	.0076	.0013	.0004	.7148	.8625	.5866
5	Be3130	.0002	.0001	.0001	.3042	.0050	.0044
6	Ca3179	52.52	.0238	.0168	27.59	9.437	13.75
7	Cd2265	.0089	.0011	.0003	.7265	.0055	.0042
8	Co2286	.0010	.0013	.0000	2.077	.0412	.0230
9	Cr2677	.0034	.0003	.0020	.4879	.0525	.0398
10	Cu3247	.0033	.0011	.0042	.9163	.0831	.0473
11	Fe2599	.0128	.0035	.0050	75.27	67.56	55.71
12	K_7664	54.64	.0681	.0358	40.70	12.44	10.98
13	Mg2790	52.86	.0322	-.0036	30.16	10.98	9.243
14	Mn2576	-.0004	-.0027	-.0030	1.609	2.607	1.699
15	Mo2020	-.0016	.0001	-.0027	1.148	.0030	.0047
16	Na5889	54.79	-.0032	.1099	3.976	.4565	.5436
17	Ni2316	.0039	.0014	.0004	1.275	.0478	.0341
18	Pb2203	.0043	.0248	-.0016	.6331	.1108	.1410
19	Sb2068	5.273	-.0013	-.0085	.5982	-.0052	-.0054
20	Se1960	.0079	.0004	-.0088	.8858	-.0077	-.0073
21	Tl1908	-.0001	-.0092	-.0124	.6746	L-.0998	L-.0933
22	V_2924	.0035	.0035	.0012	.9362	.1369	.0882
23	Zn2138	.0052	.0001	.0016	.9219	.1618	.1590

#	Element	4605-21L	4605-21	4605-21R	4605-21S	4605-21A	4605-22
1	Ag3280	.0003	-.0018	.0570	.0461	.0385	.0010
2	Al3082	5.345	27.09	26.09	46.46	28.77	7.934
3	As1936	.0132	.0422	.0519	.0884	2.091	.0286
4	Ba4934	.1012	.5134	.5743	2.595	2.578	.1341
5	Be3130	.0030	.0152	.0161	.0697	.0645	.0019
6	Ca3179	1.568	7.884	8.267	8.576	7.741	3.436
7	Cd2265	.0013	.0020	.0116	.0021	.0523	.0015
8	Co2286	.0024	.0086	.0112	.5422	.5300	.0047
9	Cr2677	.0083	.0255	.0259	.2458	.2308	.0217
10	Cu3247	.8319	4.195	5.940	5.347	4.399	.0578
11	Fe2599	7.286	31.80	34.82	44.16	32.10	19.87
12	K_7664	.5835	3.185	3.242	5.416	3.124	1.518
13	Mg2790	.8683	4.379	4.276	6.083	4.259	1.011
14	Mn2576	.1718	.8602	1.013	1.353	1.365	1.262
15	Mo2020	-.0001	.0020	.0056	1.042	1.030	.0037
16	Na5889	.0803	.5603	.5425	.6270	.5514	.8225
17	Ni2316	.0071	.0325	.0333	.5642	.5430	.0328
18	Pb2203	.4094	2.041	2.861	4.212	2.512	.0863
19	Sb2068	-.0047	.0210	.0022	.0788	.5762	-.0172
20	Se1960	.0049	-.0064	-.0107	.0173	2.071	.0132
21	Tl1908	-.0215	L-.0396	L-.0385	L-.0559	2.017	-.0160
22	V_2924	.0090	.0417	.0471	.5868	.5618	.0151
23	Zn2138	.0720	.3617	.2712	.8059	.8727	.1210

#	Element	CCV	CCVAG	CCB	4605-23	4605-24	4605-25
1	Ag3280	1.086	1.065	-.0003	-.0030	-.0001	-.0037
2	Al3082	21.01	.0035	.0390	9.457	9.930	40.72
3	As1936	1.033	.0008	.0022	.0292	.0360	.0490
4	Ba4934	21.31	.0065	.0070	.1033	.2866	.5023
5	Be3130	.5191	.0001	.0001	.0016	.0528	.0130
6	Ca3179	.0107	52.06	.0271	2.110	5.301	66.11
7	Cd2265	.5156	.0078	.0008	.0002	.0004	.0035
8	Co2286	5.160	.0025	-.0012	.0020	.0232	.0182
9	Cr2677	1.037	.0036	.0003	.0084	.0711	.0448
10	Cu3247	2.629	.0041	-.0004	.0165	3.491	.2414
11	Fe2599	10.31	.0073	.0574	28.04	23.34	43.86
12	K_7664	.1798	53.99	-.0322	1.407	1.625	6.995
13	Mg2790	-.0053	52.55	.0004	1.527	2.562	8.599
14	Mn2576	1.558	-.0005	-.0028	.8947	.6499	1.133
15	Mo2020	1.029	-.0003	-.0027	.0027	.0062	.0091
16	Na5889	-.0185	54.50	-.0435	.6360	.5347	.6677
17	Ni2316	4.089	.0029	-.0010	.0130	.0471	.0403
18	Pb2203	.5029	-.0012	-.0035	.0047	.3396	.2164
19	Sb2068	.0051	5.290	-.0256	-.0162	-.0036	-.0141
20	Se1960	5.183	.0322	-.0166	.0054	.0005	.0307
21	Ti1908	1.054	.0020	-.0188	L-.0333	L-.0294	L-.0524
22	V_2924	5.208	.0040	-.0017	.0172	.0210	.0738
23	Zn2138	2.058	.0044	.0017	.1207	.1931	.1511
#	Element	4605-26	4605-27	4605-28	4605-29	4605-30	4605-31
1	Ag3280	-.0021	.0016	-.0024	.0001	-.0042	-.0045
2	Al3082	20.83	23.91	36.32	18.52	48.17	67.32
3	As1936	.0519	.0424	.0485	.0673	.0425	.0752
4	Ba4934	.3604	.4684	.5372	.5084	.5179	.7700
5	Be3130	.0168	.0177	.0086	.0075	.0099	.0064
6	Ca3179	85.81	78.24	35.58	192.4	39.05	12.48
7	Cd2265	.0011	.0015	.0048	.0035	.0034	.0039
8	Co2286	.0104	.0148	.0171	.0130	.0159	.0340
9	Cr2677	.0412	.0460	.0335	.0586	.0318	.0545
10	Cu3247	.3279	.5469	.2310	.6249	.1611	.0896
11	Fe2599	32.48	38.99	37.43	38.87	42.62	69.87
12	K_7664	3.624	4.472	6.923	2.639	7.099	10.59
13	Mg2790	5.988	6.691	7.610	7.481	8.031	9.469
14	Mn2576	.8525	.9688	1.064	.9147	.9585	2.045
15	Mo2020	.0022	.0033	.0019	.0056	.0015	.0053
16	Na5889	.6131	.7280	.4979	.7258	.5703	.5989
17	Ni2316	.0251	.0296	.0329	.0499	.0295	.0466
18	Pb2203	.2941	.1859	.1367	.1514	.1147	.1179
19	Sb2068	-.0210	-.0156	-.0274	-.0074	-.0131	-.0027
20	Se1960	.0071	.0078	-.0178	.0089	.0123	-.0022
21	Ti1908	L-.0259	L-.0465	L-.0781	-.0093	L-.0524	L-.0992
22	V_2924	.0569	.0690	.0672	.0804	.0749	.1310
23	Zn2138	.1284	.1504	.1710	.1166	.1413	.1545

#	Element	4605-32	CCV	CCVAG	CCB	4605-33	4605-34
1	Ag3280	-.0049	01.116	1.082	.0017	-.0041	-.0040
2	Al3082	84.66	21.66	.0076	.0547	77.70	145.3
3	As1936	.0634	1.055	.0036	.0038	.0764	.2047
4	Ba4934	1.594	022.27	.0080	.0080	.7912	2.121
5	Be3130	.0063	.5298	.0002	.0001	.0049	.0042
6	Ca3179	26.47	.0185	51.72	.0338	10.47	74.46
7	Cd2265	.0044	.5186	.0074	.0007	.0069	.0151
8	Co2286	.0229	5.210	.0011	-.0001	.0359	.0640
9	Cr2677	.0513	1.050	.0040	.0043	.0570	.3784
10	Cu3247	.0508	2.737	.0018	.0017	.1066	.1904
11	Fe2599	67.25	10.46	.0093	.0629	67.54	150.4
12	K_7664	15.54	.1641	055.41	.0090	13.65	22.26
13	Mg2790	16.86	-.0212	52.80	.0283	11.17	68.95
14	Mn2576	1.242	1.585	-.0007	-.0022	1.755	2.519
15	Mo2020	.0032	1.045	-.0020	-.0013	.0040	.0046
16	Na5889	5.587	-.0713	056.55	-.0514	.8575	4.103
17	Ni2316	.0508	4.119	.0016	.0014	.0444	.3879
18	Pb2203	.0624	.5140	-.0041	.0110	.1822	.0865
19	Sb2068	-.0120	-.0148	5.333	-.0020	-.0101	-.0008
20	Se1960	-.0191	5.292	.0174	.0117	-.0085	.0412
21	Ti1908	L-.0508	1.056	.0133	.0023	L-.0789	L-.0589
22	V_2924	.1050	5.314	.0025	.0001	.1353	.3815
23	Zn2138	.1597	2.084	.0034	-.0007	.1503	.4781

#	Element	4605-35	4605-36	ICSA	ICSAB	CRI	CCV
1	Ag3280	.1548	.0154	.0038	1.018	.0243	01.109
2	Al3082	105.4	96.07	535.9	533.5	.2383	21.55
3	As1936	3.266	.6033	-.0185	1.009	.0233	1.048
4	Ba4934	1.784	1.017	.0242	.5145	0.0012	022.02
5	Be3130	.0061	.0051	.0001	.4891	.0108	.5279
6	Ca3179	20.78	106.9	487.9	488.6	.2120	.0275
7	Cd2265	.1104	.2075	.0866	1.004	.0116	.5173
8	Co2286	.0489	.0448	.0017	.4613	.1094	5.216
9	Cr2677	.0751	.0981	.0079	.4691	.0208	1.051
10	Cu3247	15.65	.6093	.0325	.5479	.0567	2.716
11	Fe2599	139.7	107.3	182.7	182.3	.0911	10.43
12	K_7664	29.02	23.69	-.2713	-.3137	.0411	.1626
13	Mg2790	28.25	38.77	540.1	539.9	.2062	-.0026
14	Mn2576	H44.53	2.641	.0196	.4876	.0295	1.580
15	Mo2020	.0878	.0054	.0013	.9326	.0201	1.049
16	Na5889	3.323	1.405	.2297	1.340	-.0407	-.0596
17	Ni2316	.0588	.0820	.0089	.9147	.0872	4.133
18	Pb2203	H27.50	H5.864	.0270	.9917	.1182	.5089
19	Sb2068	.0248	.0032	-.0295	1.020	0.0891	-.0036
20	Se1960	.0023	.0169	-.1401	4.890	0.0055	5.294
21	Ti1908	L-.3037	L-.0824	.0858	.9680	0.0274	1.043
22	V_2924	.2608	.2402	.0174	.4910	.1095	5.302
23	Zn2138	31.70	1.661	.0299	1.014	.0410	2.081

#	Element	CCVAG	CCB
1	Ag3280	1.076	0.0244
2	Al3082	.0143	.0157
3	As1936	.0016	-.0639
4	Ba4934	.0082	.0043
5	Be3130	.0003	-.0001
6	Ca3179	52.20	.1349
7	Cd2265	.0085	-.0024
8	Co2286	.0018	-.0022
9	Cr2677	.0064	-.0007
10	Cu3247	.0042	-.0057
11	Fe2599	.0150	.0378
12	K_7664	54.35	.0071
13	Mg2790	52.95	.0376
14	Mn2576	-.0004	-.0029
15	Mo2020	-.0003	-.0017
16	Na5889	Q55.23	.1858
17	Ni2316	.0037	-.0146
18	Pb2203	.0086	-.0139
19	Sb2068	5.315	-.0379
20	Se1960	.0188	-.0069
21	Tl1908	.0101	-.0226
22	V_2924	.0033	-.0005
23	Zn2138	.0043	.0066

Method: CLPMO

Standard: STD1-Blank

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Avge	-.1260	.0167	-.0405	-.0005	.0052	.0025	-.0003
SDev	.0027	.0008	.0309	.0011	.0000	.0012	.0025
%RSD	2.161	4.976	76.35	243.7	.0000	48.87	925.7

#1	-.1229	.0174	-.0062	.0008	.0052	.0036	.0013
#2	-.1277	.0158	-.0490	-.0008	.0052	.0026	.0004
#3	-.1275	.0170	-.0662	-.0014	.0052	.0012	-.0030

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.0011	.0065	.0077	.0001	.0120	.0030	.0068
SDev	.0020	.0044	.0023	.0005	.0018	.0031	.0005
%RSD	185.0	68.13	29.97	755.0	15.28	103.5	7.782

#1	.0024	.0086	.0102	.0006	.0140	.0062	.0072
#2	.0020	.0094	.0074	.0000	.0104	.0028	.0070
#3	-.0012	.0014	.0056	-.0004	.0116	.0000	.0062

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Avge	-.0001	.1896	.0130	.0127	.0169	-.0317	-.0009
SDev	.0017	.0031	.0011	.0069	.0171	.0094	.0058
%RSD	1249.	1.658	8.703	54.17	101.2	29.63	669.0

#1	-.0020	.1930	.0141	.0114	.0330	-.0410	.0056
#2	.0004	.1890	.0130	.0202	-.0010	-.0222	-.0056
#3	.0012	.1868	.0119	.0066	.0186	-.0320	-.0026

Elem	V_2924	Zn2138
Avge	-.0009	.0901
SDev	.0027	.0013
%RSD	313.3	1.477

#1	.0020	.0916
#2	-.0012	.0890
#3	-.0034	.0898

Standardization Rpt.

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Method: CLPMO

Standard: STD2

Elem	Ag3280	Ca3179	K_7664	Mg2790	Na5889	Sb2068
Avge	1.543	24.36	1.873	7.542	9.535	5.700
SDev	.012	.06	.012	.054	.062	.039
%RSD	.7815	.2515	.6200	.7138	.6507	.6827
#1	1.529	24.29	1.878	7.483	9.530	5.655
#2	1.549	24.39	1.859	7.587	9.476	5.717
#3	1.551	24.39	1.880	7.556	9.599	5.727

Method: CLPMO

Standard: STD3

Elem	Al3082	As1936	Ba4934	Be3130	Cd2265	Co2286	Cr2677
Avge	3.014	1.595	26.93	1.459	.8737	6.731	2.213
SDev	.023	.013	.22	.007	.0060	.073	.024
%RSD	.7752	.8358	.8158	.4800	.6838	1.086	1.090
#1	3.026	1.581	27.08	1.459	.8784	6.761	2.212
#2	3.029	1.607	27.03	1.466	.8758	6.785	2.237
#3	2.987	1.598	26.68	1.452	.8670	6.648	2.189
Elem	Cu3247	Fe2599	Mn2576	Mo2020	Ni2316	Pb2203	Se1960
Avge	1.651	2.666	1.483	.4699	4.515	.3362	5.386
SDev	.009	.024	.012	.0055	.066	.0125	.050
%RSD	.5596	.8932	.8413	1.163	1.463	3.711	.9319
#1	1.656	2.673	1.487	.4714	4.509	.3478	5.402
#2	1.656	2.685	1.492	.4744	4.584	.3378	5.426
#3	1.640	2.639	1.468	.4638	4.453	.3230	5.329
Elem	Tl1908	V_2924	Zn2138				
Avge	.7217	9.202	2.910				
SDev	.0112	.075	.007				
%RSD	1.552	.8120	.2286				
#1	.7152	9.227	2.915				
#2	.7346	9.260	2.913				
#3	.7152	9.117	2.903				

Analysis Report

QC Standard

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Method: CLPMO

Sample Name: ICV

Operator:

Run Time: 09/16/94 18:10:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.034	1.034	.9842	.9756	1.007	10.25	1.024
SDev	.004	.004	.0164	.0103	.005	.04	.004
%RSD	.4126	.3749	1.662	1.058	.4519	.4050	.3619
#1	1.037	1.038	.9656	.9859	1.009	10.30	1.025
#2	1.029	1.030	.9963	.9653	1.001	10.24	1.020
#3	1.035	1.034	.9906	.9757	1.010	10.22	1.028
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		1.000	1.000	1.000	1.000	10.00	1.000
Range		10.00	10.00	10.00	10.00	10.00	10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.018	1.000	.9974	1.025	10.17	10.06	1.006
SDev	.002	.004	.0075	.005	.21	.02	.004
%RSD	.1574	.4402	.7555	.4699	2.061	.2366	.3867
#1	1.019	1.005	1.006	1.029	10.41	10.07	1.009
#2	1.018	.9963	.9916	1.020	10.04	10.03	1.001
#3	1.016	.9997	.9947	1.027	10.05	10.08	1.006
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	1.000	1.000	1.000	10.00	10.00	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.005	10.11	.9894	1.074	1.042	1.009	1.010
SDev	.007	.18	.0036	.005	.004	.004	.012
%RSD	.6810	1.773	.3638	.4404	.3956	.3671	1.176
#1	1.010	10.26	.9935	1.076	1.040	1.006	1.001
#2	.9968	9.913	.9879	1.068	1.047	1.013	1.023
#3	1.007	10.15	.9869	1.077	1.040	1.008	1.005
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	1.000	10.00	1.000	1.000	1.000		
Range	10.00	10.00	10.00	10.00	10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	1.002	1.003					
SDev	.005	.002					
%RSD	.5373	.2418					
#1	1.008	1.001					
#2	.9984	1.003					
#3	.9997	1.006					
Errors	QC Pass	QC Pass					
Value							
Range							

Analysis Report

QC Standard

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Range 10.00 10.00

Method: CLPMO Sample Name: ICB

Operator:

Run Time: 09/16/94 18:17:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0059	.0051	.0004	.0003	-.0001	.0003
SDev	.0014	.0101	.0091	.0007	.0002	.0049	.0008
%RSD	132.7	173.0	179.1	164.4	78.18	3600.	219.5
#1	.0024	.0166	.0133	.0009	.0005	.0048	.0011
#2	-.0004	-.0035	-.0047	-.0004	.0001	-.0051	-.0004
#3	.0013	.0045	.0066	.0008	.0001	-.0001	.0004
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.0010	.0010	.0010	.0010	.0010	.0010
Range		.0450	.1000	.0040	.0010	.2000	.0040
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0019	-.0018	.0015	-.0233	-.0221	Q-.0028
SDev	.0026	.0049	.0034	.0016	.0701	.0191	.0004
%RSD	1768.	250.5	183.6	103.7	301.2	86.09	12.39
#1	.0017	.0045	.0004	.0020	.0430	-.0146	Q-.0026
#2	-.0032	-.0037	Q-.0057	-.0002	-.0967	-.0438	Q-.0032
#3	.0010	.0050	-.0002	.0028	-.0161	-.0080	Q-.0026
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0070	.0050	.0030	.0300	.7500	.1000	.0020
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	-.0353	.0016	-.0071	-.0222	-.0018	-.0161
SDev	.0022	.0263	.0050	.0201	.0077	.0036	.0279
%RSD	792.5	74.47	320.2	281.6	34.65	196.4	172.7
#1	.0020	-.0246	.0032	.0065	-.0311	.0009	.0117
#2	-.0023	-.0653	-.0041	-.0303	-.0178	-.0004	-.0440
#3	.0011	-.0161	.0056	.0023	-.0177	-.0060	-.0160
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0050	.2000	.0080	.0330	.0400	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0001	-.0009					
SDev	.0018	.0015					
%RSD	2209.	174.6					
#1	.0008	-.0005					
#2	-.0019	-.0025					
#3	.0014	.0005					
Errors	QC Pass	QC Pass					
Value							
Range							

Analysis Report

QC Standard

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Range .0080 .0050

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: CRI

Operator:

Run Time: 09/16/94 18:24:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0252	.0219	0.0293	0.0005	.0103	.0119	.0114
SDev	.0018	.0131	.0097	.0003	.0001	.0029	.0004
%RSD	7.213	59.74	33.10	62.98	.7936	24.22	3.825
#1	0.0264	.0331	0.0295	0.0003	.0102	.0122	.0112
#2	.0231	.0075	.0195	0.0009	.0104	.0146	.0110
#3	0.0262	.0250	0.0388	0.0003	.0104	.0089	.0118
Errors	QC Fail	NOCHECK	QC Fail	QC Fail	QC Pass	NOCHECK	QC Pass
Value	.0200		.0200	.2000	.0100		.0100
Range	25.00		25.00	25.00	25.00		25.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1071	.0229	.0506	.0059	.0340	.0064	.0287
SDev	.0009	.0045	.0022	.0011	.0315	.0020	.0000
%RSD	.8442	19.50	4.335	19.30	92.53	31.42	.0005
#1	.1075	.0232	.0512	.0062	.0107	.0069	.0287
#2	.1077	.0184	.0524	.0047	.0699	.0042	.0287
#3	.1060	0.0273	.0482	.0069	.0215	.0082	.0287
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	.1000	.0200	.0500				.0300
Range	25.00	25.00	25.00				25.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0184	-.0011	.0864	.1148	0.0773	0.0344	0.0010
SDev	.0021	.0093	.0040	.0258	.0101	.0132	.0043
%RSD	11.40	871.8	4.610	22.47	13.09	38.44	442.6
#1	.0198	.0096	.0905	.1071	0.0868	0.0192	0.0031
#2	.0194	-.0054	.0862	.0937	0.0785	0.0426	0.0039
#3	.0160	-.0075	.0826	0.1436	0.0666	0.0415	0-.0040
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Fail	QC Fail	QC Fail
Value	.0200		.0800	.1060	.1200	.0100	.0200
Range	25.00		25.00	25.00	25.00	25.00	25.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1063	.0419					
SDev	.0004	.0015					
%RSD	.4272	3.499					
#1	.1065	.0417					
#2	.1057	.0405					
#3	.1065	.0434					
Errors	QC Pass	QC Pass					
Value	.1000	.1000					
Range							

Analysis Report

QC Standard

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Range 25.00 25.00

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: ICSEA

Operator:

Run Time: 09/16/94 18:31:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	510.3	.0720	.0217	.0001	482.9	.0821
SDev	.0010	6.6	.0567	.0006	.0001	6.2	.0019
%RSD	40.32	1.290	78.75	2.768	68.91	1.275	2.323
#1	.0028	513.1	.0785	.0223	.0001	487.0	.0843
#2	.0013	515.0	.1252	.0211	.0002	485.8	.0811
#3	.0030	502.8	.0123	.0216	.0000	475.8	.0810
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0020	.0029	.0225	180.3	-.3321	531.0	.0174
SDev	.0010	.0006	.0023	2.0	.0155	5.6	.0004
%RSD	48.65	20.79	10.23	1.123	4.671	1.048	2.431
#1	-.0014	.0035	.0241	181.2	-.3495	533.5	.0179
#2	-.0032	.0023	.0199	181.8	-.3271	534.9	.0173
#3	-.0015	.0028	.0235	178.0	-.3197	524.6	.0171
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.0		500.0	
Range				20.00		20.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.2393	.0056	.0613	-.0617	-.1621	.0880
SDev	.0050	.0247	.0012	.0146	.0408	.0320	.0117
%RSD	1099.	10.33	20.92	23.85	66.20	19.74	13.32
#1	.0009	.2536	.0067	.0700	-.0454	-.1990	.1002
#2	.0052	.2108	.0044	.0444	-.0314	-.1417	.0870
#3	-.0048	.2536	.0056	.0695	-.1081	-.1456	.0768
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0141	.0309					
SDev	.0012	.0013					
%RSD	8.478	4.051					
#1	.0152	.0298					
#2	.0129	.0305					
#3	.0143	.0322					
Errors	NOCHECK	NOCHECK					
Value							
Range							

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QC Standard

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Range

Analysis Report

QC Standard

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page 1

Method: CLPMO Sample Name: ICSAB
Run Time: 09/16/94 18:38:52

Operator:

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9690	500.2	.9773	.4750	.4703	473.8	.9751
SDev	.0084	3.3	.0306	.0032	.0030	3.5	.0073
%RSD	.8725	.6684	3.130	.6687	.6354	.7408	.7537
#1	.9699	500.0	.9649	.4743	.4703	474.3	.9722
#2	.9601	496.9	.9549	.4723	.4673	470.0	.9666
#3	.9769	503.6	1.012	.4785	.4733	477.0	.9798
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	500.0	1.000	.5000	.5000	500.0	1.000
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4461	.4523	.5043	176.6	-.3459	521.9	.4680
SDev	.0048	.0044	.0032	1.2	.0105	3.4	.0029
%RSD	1.072	.9698	.6453	.6975	3.038	.6578	.6305
#1	.4467	.4515	.5026	176.6	-.3535	521.9	.4682
#2	.4410	.4484	.5023	175.4	-.3503	518.4	.4650
#3	.4506	.4571	.5080	177.9	-.3340	525.3	.4708
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.5000	.5000	.5000	200.0		500.0	.5000
Range	20.00	20.00	20.00	20.00		20.00	20.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9016	1.233	.8742	.9983	.9332	4.607	.9137
SDev	.0050	.008	.0027	.0077	.0151	.027	.0101
%RSD	.5512	.6260	.3091	.7747	1.614	.5835	1.101
#1	.9015	1.231	.8754	1.007	.9201	4.615	.9098
#2	.8968	1.241	.8711	.9931	.9299	4.577	.9252
#3	.9067	1.226	.8760	.9945	.9496	4.629	.9063
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000		1.000	1.000	1.000	5.000	1.000
Range	20.00		20.00	20.00	20.00	20.00	20.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.4681	.9856					
SDev	.0036	.0034					
%RSD	.7682	.3499					
#1	.4680	.9863					
#2	.4646	.9819					
#3	.4717	.9887					
Errors	QC Pass	QC Pass					
Value	5.000	5.000					
Range	20.00	20.00					

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QC Standard

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Range 20.00 20.00

Analysis Report

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page 1

Method: CLPMO Sample Name: 4612-01D

Run Time: 09/16/94 18:45:59

Operator: RM

Comment:

Mode: CONC Corr. Factor: 1

Elem	Aq3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0073	29.45	.0694	.0321	.0006	41.82	.0060
SDev	.0017	.18	.0036	.0003	.0001	.55	.0012
%RSD	23.92	.6250	5.183	.9637	12.33	1.316	19.95
#1	-.0056	29.66	.0707	.0324	.0006	42.37	.0074
#2	-.0090	29.30	.0654	.0318	.0006	41.27	.0051
#3	-.0073	29.39	.0722	.0320	.0005	41.81	.0056
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0372	.0248	.0794	54.28	.1359	17.00	.9726
SDev	.0010	.0024	.0017	.40	.0106	.22	.0065
%RSD	2.792	9.535	2.110	.7345	7.771	1.299	.6686
#1	.0383	.0256	.0814	54.69	.1355	17.25	.9792
#2	.0372	.0221	.0783	53.89	.1255	16.84	.9662
#3	.0362	.0265	.0786	54.28	.1466	16.90	.9723
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	2.459	.0359	.0142	L-.0301	.0122	L-.1815
SDev	.0008	.050	.0039	.0162	.0162	.0195	.0064
%RSD	62.77	2.042	10.74	114.5	53.85	160.7	3.503
#1	.0014	2.484	.0402	.0238	-.0134	.0293	L-.1865
#2	.0022	2.401	.0330	-.0046	L-.0459	.0163	L-.1836
#3	.0005	2.492	.0343	.0233	L-.0312	-.0091	L-.1743
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1915	.0796					
SDev	.0014	.0020					
%RSD	.7163	2.507					
#1	.1923	.0817					
#2	.1899	.0793					
#3	.1922	.0778					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

Analysis Report

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4612-04D

Operator: RM

Run Time: 09/16/94 18:53:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	1.835	.0097	.0776	.0001	119.5	.0006
SDev	.0015	.015	.0070	.0010	.0001	1.3	.0021
%RSD	34.05	.8345	71.95	1.340	75.01	1.048	349.6
#1	.0041	1.848	.0061	.0764	.0001	118.2	-.0011
#2	.0030	1.840	.0053	.0783	.0001	120.8	-.0001
#3	.0059	1.818	.0178	.0780	.0002	119.5	.0029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.0066	.0067	2.294	.1235	.9893	.0236
SDev	.0019	.0080	.0052	.027	.1098	.0087	.0005
%RSD	97.46	120.6	77.32	1.177	88.91	.8797	1.987
#1	.0002	.0023	.0028	2.301	.0151	.9906	.0234
#2	.0016	.0017	.0047	2.317	.1207	.9800	.0234
#3	.0040	.0158	.0126	2.265	.2346	.9973	.0242
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.2165	.0039	-.0044	-.0134	.0145	.0080
SDev	.0050	.0437	.0014	.0154	.0206	.0460	.0310
%RSD	870.5	20.19	35.30	351.4	153.0	317.8	386.0
#1	-.0043	.1851	.0053	-.0221	-.0068	.0116	-.0045
#2	-.0026	.1980	.0039	.0025	L-.0365	.0619	-.0147
#3	.0051	.2664	.0025	.0064	.0030	-.0300	.0434
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0049	.0054					
SDev	.0014	.0021					
%RSD	28.57	38.49					
#1	.0052	.0060					
#2	.0034	.0031					
#3	.0062	.0071					
Errors	LC Pass	LC Pass					
High	100.0	100.0					
Low	-.0100	-.0100					

Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4612-05D

Operator: RM

Run Time: 09/16/94 19:00:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0019	15.91	.0644	.4905	.0003	17.21	.0406
SDev	.0018	.18	.0044	.0075	.0000	.16	.0015
%RSD	94.57	1.152	6.873	1.521	13.42	.9488	3.726
#1	-.0001	15.77	.0617	.4842	.0003	17.28	.0418
#2	-.0019	16.12	.0619	.4987	.0003	17.33	.0389
#3	-.0037	15.85	.0695	.4886	.0003	17.02	.0411
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0259	.3119	.9197	55.62	1.062	10.51	.6923
SDev	.0027	.0050	.0123	.50	.086	.07	.0056
%RSD	10.27	1.602	1.333	.9040	8.068	.6814	.8151
#1	.0276	.3175	.9116	55.37	1.038	10.52	.6900
#2	.0273	.3105	.9338	56.20	1.156	10.58	.6988
#3	.0229	.3078	.9137	55.29	.9900	10.43	.6882
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0415	.9038	.2495	1.489	-.0165	.0099	L-.0790
SDev	.0023	.0281	.0050	.029	.0243	.0078	.0161
%RSD	5.634	3.111	2.022	1.928	146.8	78.53	20.44
#1	.0420	.9363	.2535	1.520	.0107	.0032	L-.0624
#2	.0390	.8881	.2512	1.482	L-.0359	.0184	L-.0800
#3	.0437	.8871	.2438	1.464	-.0244	.0081	L-.0946
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0868	1.603					
SDev	.0009	.016					
%RSD	1.006	.9711					
#1	.0873	1.589					
#2	.0874	1.620					
#3	.0858	1.598					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low							

Analysis Report

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: PBS0912A

Operator: RM

Run Time: 09/16/94 19:07:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0175	L-.0107	-.0000	.0000	.0178	.0015
SDev	.0027	.0232	.0138	.0002	.0000	.0013	.0008
%RSD	153.1	132.4	129.6	458.3	88.13	7.418	55.62
#1	.0033	.0435	-.0020	-.0002	.0001	.0188	.0024
#2	-.0013	.0099	L-.0266	.0002	.0001	.0183	.0010
#3	.0032	-.0009	-.0034	-.0001	-.0000	.0163	.0011
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.2000	.0100	.2000	.0050	5.000	.0050
Low	-.0100	-.2000	-.0100	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	.0035	.0022	.0238	-.0000	.0044	-.0029
SDev	.0007	.0033	.0018	.0076	.0376	.0146	.0001
%RSD	57.71	93.57	81.82	32.06	279500.	332.8	4.017
#1	-.0020	.0018	.0004	.0321	-.0376	-.0027	-.0028
#2	-.0008	.0014	.0041	.0223	.0376	-.0053	-.0030
#3	-.0008	.0073	.0022	.0170	-.0000	.0212	-.0028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Low	-.0500	-.0100	-.0250	-.1000	-5.000	-5.000	-.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.1081	.0009	.0076	-.0179	.0023	-.0125
SDev	.0015	.0011	.0021	.0323	.0042	.0172	.0082
%RSD	175.8	.9901	226.8	427.0	23.63	758.9	65.84
#1	-.0023	.1081	.0031	-.0261	-.0186	-.0169	-.0191
#2	.0007	.1070	.0008	.0107	-.0217	.0073	-.0149
#3	-.0010	.1091	-.0011	.0382	-.0133	.0164	-.0033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0200	5.000	.0400	.0500	.0600	.0600	.0500
Low	-.0200	-5.000	-.0400	-.0500	-.0600	-.0600	-.0500
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0007	.0029					
SDev	.0010	.0011					
%RSD	135.9	39.21					
#1	.0000	.0041					
#2	.0019	.0029					
#3	.0003	.0018					
Errors	LC Pass	LC Pass					
High	.0500	.0500					
Low	-.0500	-.0500					

Analysis Report

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Low -.0500 -.0200

Analysis Report

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Page 1

Method: CLPMO Sample Name: LCSS0912A

Operator: RM

Run Time: 09/16/94 19:14:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4437	42.60	.9154	.6819	.2972	27.51	.7169
SDev	.0031	.40	.0098	.0085	.0013	.11	.0020
%RSD	.6919	.9305	1.071	1.250	.4474	.4065	.2799
#1	.4412	42.34	.9042	.6759	.2959	27.53	.7177
#2	.4428	42.41	.9221	.6782	.2973	27.39	.7146
#3	.4471	43.06	.9201	.6917	.2986	27.62	.7184
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.050	55.80	3.500	.8800	.3700	31.70	.8600
Low	.2900	19.30	.3500	.4500	.1700	15.80	.3600
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.036	.4774	.8991	68.13	38.19	29.13	1.522
SDev	.009	.0029	.0080	.36	.82	.15	.007
%RSD	.4497	.6151	.8878	.5269	2.158	.5173	.4398
#1	2.030	.4802	.8918	67.93	37.69	29.06	1.525
#2	2.031	.4777	.8979	67.92	37.74	29.04	1.523
#3	2.046	.4743	.9076	68.55	39.14	29.31	1.535
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.460	.6100	1.100	110.0	44.00	36.00	1.900
Low	1.120	.2600	.4800	49.30	20.90	16.10	.9700
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.112	3.719	1.254	.6359	.4182	.8693	.6444
SDev	.005	.090	.002	.0133	.0167	.0199	.0141
%RSD	.4613	2.425	.1753	2.089	3.987	2.287	2.188
#1	1.112	3.686	1.256	.6388	.4160	.8728	.6568
#2	1.107	3.650	1.253	.6215	.4028	.8479	.6290
#3	1.117	3.821	1.252	.6476	.4359	.8872	.6473
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.470	5.060	1.570	.7100	3.500	1.080	.9800
Low	.6400	1.800	.6400	.2700	.3200	.3600	.3100
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.8870	.9123					
SDev	.0045	.0029					
%RSD	.5061	.3174					
#1	.8843	.9101					
#2	.8846	.9113					
#3	.8922	.9156					
Errors	LC Pass	LC Pass					
High	1.470	5.060					
Low	.6400	1.800					

Analysis Report

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Low .5600 .4500

Analysis Report

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page 1

Method: CLPMO Sample Name: 4647-01L

Operator: RM

Run Time: 09/16/94 19:21:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	2.512	.0165	.0305	.0003	3.216	.0000
SDev	.0013	.017	.0079	.0009	.0001	.025	.0010
%RSD	110.7	.6822	47.86	2.981	24.76	.7673	2423.
#1	.0023	2.527	.0249	.0306	.0003	3.214	.0012
#2	.0014	2.517	.0092	.0312	.0003	3.242	-.0009
#3	-.0002	2.494	.0155	.0295	.0002	3.192	-.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.0064	.0038	1.809	.4833	.5094	.0192
SDev	.0034	.0044	.0058	.019	.1290	.0125	.0006
%RSD	213.2	69.05	155.3	1.059	26.69	2.461	3.061
#1	.0031	.0107	.0065	1.818	.5353	.5050	.0195
#2	.0040	.0066	.0077	1.821	.5783	.5236	.0195
#3	-.0023	.0019	-.0029	1.787	.3364	.4997	.0185
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1009
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.2515	.0032	.0017	-.0147	.0098	-.0089
SDev	.0027	.0043	.0020	.0124	.0149	.0022	.0047
%RSD	1553.	1.702	62.49	725.3	101.7	22.73	52.77
#1	-.0013	.2557	.0011	.0159	-.0013	.0090	-.0055
#2	.0029	.2472	.0034	-.0033	-.0120	.0123	-.0143
#3	-.0022	.2515	.0050	-.0074	L-.0308	.0080	-.0069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0044	.0054					
SDev	.0015	.0016					
%RSD	34.95	30.69					
#1	.0062	.0070					
#2	.0036	.0054					
#3	.0035	.0037					
Errors	LC Pass	LC Pass					

Analysis Report

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4647-01

Operator: RM

Run Time: 09/16/94 19:28:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	12.70	.0143	.1542	.0008	16.16	.0009
SDev	.0018	.09	.0042	.0010	.0001	.07	.0005
%RSD	226.2	.6880	29.70	.6672	8.729	.4466	58.30
#1	.0009	12.70	.0145	.1536	.0007	16.11	.0015
#2	-.0027	12.79	.0099	.1554	.0009	16.24	.0007
#3	-.0006	12.62	.0184	.1536	.0008	16.14	.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0034	.0099	.0092	9.048	2.241	2.475	.1054
SDev	.0012	.0028	.0035	.047	.034	.007	.0002
%RSD	34.48	28.08	38.02	.5232	1.499	.2694	.1930
#1	.0041	.0093	.0080	9.027	2.230	2.481	.1056
#2	.0020	.0074	.0065	9.102	2.214	2.476	.1054
#3	.0040	.0129	.0132	9.014	2.279	2.468	.1052
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0069	1.281	.0066	.0145	-.0022	-.0037	-.0175
SDev	.0045	.007	.0007	.0180	.0096	.0069	.0091
%RSD	65.19	.5478	10.14	123.8	435.7	136.9	52.17
#1	.0021	1.280	.0059	.0351	-.0021	.0029	-.0073
#2	.0110	1.288	.0067	.0018	-.0119	-.0031	-.0205
#3	.0076	1.274	.0073	.0067	.0074	-.0110	-.0249
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0142	.0251					
SDev	.0010	.0003					
%RSD	7.221	1.207					
#1	.0149	.0253					
#2	.0148	.0252					
#3	.0130	.0247					
Errors	LC Pass	LC Pass					
High	100.0	100.0					
Low	-.0100	-.0100					

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Low -.0500 -.0200

Analysis Report

QC Standard

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Method: CLPMO Sample Name: CCV

Operator: RM

Run Time: 09/16/94 19:36:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.052	20.22	1.007	20.34	.5042	.0125	.4973
SDev	.013	.28	.007	.38	.0037	.0066	.0055
%RSD	1.239	1.395	.6903	1.852	.7318	52.99	1.111
#1	1.046	20.03	1.002	20.12	.5013	.0200	.4926
#2	1.044	20.09	1.004	20.13	.5029	.0097	.4958
#3	1.067	20.55	1.015	20.77	.5084	.0077	.5034
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.968	.9927	2.530	9.971	.1901	-.0013	1.500
SDev	.043	.0088	.031	.097	.0139	.0040	.014
%RSD	.8668	.8870	1.209	.9682	7.331	315.1	.9131
#1	4.935	.9836	2.512	9.905	.2013	-.0004	1.490
#2	4.953	.9933	2.512	9.927	.1745	.0022	1.494
#3	5.017	1.001	2.565	10.08	.1945	-.0056	1.516
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.003	-.0321	3.943	.4915	.0123	5.020	.9821
SDev	.007	.0028	.027	.0296	.0096	.057	.0342
%RSD	.6767	8.819	.6745	6.033	78.15	1.144	3.481
#1	.9947	-.0300	3.925	.5249	.0226	4.978	.9522
#2	1.007	-.0310	3.932	.4683	.0106	4.996	.9748
#3	1.006	-.0353	3.974	.4813	.0036	5.086	1.019
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	5.025	1.997					
SDev	.054	.021					
%RSD	1.069	1.041					
#1	4.989	1.982					
#2	4.999	1.988					
#3	5.087	2.021					
Errors	QC Pass	QC Pass					
Value	5.000	2.000					
Range	10.00	10.00					

Analysis Report

QC Standard

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Range 10.00 10.00

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/16/94 19:43:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.026	.0080	-.0014	.0116	.0003	49.83	.0081
SDev	.004	.0229	.0131	.0044	.0001	.51	.0006
%RSD	.3463	287.8	906.6	37.81	25.86	1.026	7.201
#1	1.025	-.0185	-.0120	.0158	.0003	49.29	.0074
#2	1.030	.0205	-.0055	.0121	.0003	50.31	.0084
#3	1.023	.0219	.0132	.0070	.0002	49.89	.0085
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.0027	.0034	.0083	50.53	50.55	-.0001
SDev	.0008	.0056	.0032	.0016	.48	.20	.0002
%RSD	33.21	208.5	93.38	18.94	.9428	.3905	175.2
#1	.0028	-.0036	-.0002	.0088	50.50	50.38	.0000
#2	.0028	.0044	.0059	.0095	51.02	50.77	.0000
#3	.0014	.0073	.0047	.0065	50.07	50.49	-.0004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	50.38	.0032	.0161	5.101	.0008	-.0089
SDev	.0015	.50	.0038	.0136	.024	.0136	.0239
%RSD	1079.	.9938	118.3	84.26	.4746	1700.	268.2
#1	-.0018	50.42	-.0001	.0028	5.116	-.0114	-.0315
#2	.0011	50.86	.0074	.0156	5.073	.0155	.0161
#3	.0003	49.86	.0024	.0300	5.115	-.0016	-.0114
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0042	.0048					
SDev	.0009	.0012					
%RSD	20.70	25.72					
#1	.0038	.0041					
#2	.0052	.0062					
#3	.0035	.0041					
Errors	NOCHECK	NOCHECK					

Analysis Report

QC Standard

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Range

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/16/94 19:50:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	.0143	.0082	.0017	.0001	.0322	.0000
SDev	.0026	.0104	.0107	.0004	.0000	.0154	.0012
%RSD	61.59	72.96	130.6	23.34	3.087	47.81	2843.
#1	.0021	.0058	-.0028	.0021	.0001	.0487	-.0013
#2	.0071	.0112	.0087	.0015	.0001	.0294	.0006
#3	.0033	.0260	.0187	.0014	.0001	.0183	.0008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	.0034	.0026	.0040	.0734	.0305	-.0005
SDev	.0012	.0031	.0020	.0009	.0254	.0126	.0001
%RSD	42.85	92.26	74.18	21.64	34.59	41.49	21.69
#1	.0016	-.0001	.0004	.0035	.0645	.0318	-.0006
#2	.0028	.0059	.0034	.0050	.0537	.0424	-.0006
#3	.0040	.0044	.0041	.0035	.1021	.0172	-.0004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	-.0039	.0031	.0053	-.0062	.0005	.0088
SDev	.0005	.0163	.0024	.0278	.0095	.0074	.0070
%RSD	57.79	416.6	79.21	522.1	153.8	1381.	79.70
#1	-.0014	-.0075	.0006	-.0248	-.0131	-.0058	.0024
#2	-.0006	.0139	.0055	.0110	-.0101	-.0012	.0077
#3	-.0006	-.0182	.0032	.0298	.0047	.0086	.0162
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0020	-.0010					
SDev	.0008	.0005					
%RSD	39.67	52.23					
#1	.0011	-.0004					
#2	.0027	-.0013					
#3	.0022	-.0013					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					
Range	.0200	.0400					

Analysis Report

QC Standard

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Range .0500 .0200

Analysis Report

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page 1

Method: CLPMO

Sample Name: 4647-01R

Operator: RM

Run Time: 09/16/94 19:57:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	11.76	.0066	.1472	.0008	16.43	.0008
SDev	.0015	.05	.0013	.0010	.0000	.08	.0010
%RSD	334.3	.4422	18.78	.6721	4.521	.4586	130.3
#1	-.0020	11.75	.0081	.1467	.0008	16.37	-.0003
#2	.0009	11.71	.0058	.1465	.0009	16.41	.0010
#3	-.0001	11.81	.0061	.1483	.0008	16.52	.0016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0098	.0116	8.198	2.044	2.340	.1047
SDev	.0006	.0026	.0021	.033	.040	.018	.0004
%RSD	56.92	26.20	18.48	.4007	1.938	.7549	.4041
#1	.0013	.0071	.0095	8.182	2.058	2.320	.1046
#2	.0004	.0102	.0114	8.177	1.999	2.351	.1044
#3	.0016	.0122	.0138	8.236	2.074	2.349	.1052
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	1.158	.0072	.0033	-.0100	.0276	-.0161
SDev	.0019	.022	.0019	.0094	.0021	.0236	.0147
%RSD	162.9	1.943	26.70	281.0	21.03	85.43	91.09
#1	.0016	1.135	.0076	-.0039	-.0086	.0381	-.0246
#2	-.0009	1.180	.0052	-.0000	-.0091	.0006	.0008
#3	.0029	1.160	.0090	.0140	-.0124	.0441	-.0246
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0101	.0208					
SDev	.0033	.0000					
%RSD	33.02	.0861					
#1	.0063	.0208					
#2	.0116	.0208					
#3	.0124	.0208					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO Sample Name: 4647-015

Operator: RM

Run Time: 09/16/94 20:04:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0467	24.99	.0471	2.174	.0508	14.69	.0013
SDev	.0009	.10	.0062	.015	.0003	.10	.0006
%RSD	1.966	.4179	13.26	.6861	.5531	.6577	45.90
#1	.0457	24.96	.0414	2.179	.0505	14.63	.0009
#2	.0470	25.10	.0538	2.186	.0508	14.80	.0011
#3	.0475	24.90	.0460	2.157	.0510	14.64	.0020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5166	.2195	.2786	11.37	2.946	3.408	.6160
SDev	.0034	.0010	.0023	.04	.097	.018	.0022
%RSD	.6498	.4588	.8248	.3815	3.287	.5352	.3526
#1	.5170	.2184	.2783	11.35	2.942	3.388	.6148
#2	.5198	.2196	.2810	11.42	3.044	3.423	.6185
#3	.5131	.2204	.2764	11.35	2.851	3.412	.6146
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.011	1.077	.5176	.0495	.0679	.0298	-.0122
SDev	.009	.011	.0031	.0242	.0122	.0255	.0243
%RSD	.8916	1.034	.5958	48.75	17.93	85.46	199.4
#1	1.000	1.073	.5149	.0455	.0554	.0154	-.0048
#2	1.014	1.089	.5210	.0754	.0797	.0148	L-.0394
#3	1.017	1.068	.5171	.0277	.0686	.0592	.0076
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.5303	.5448					
SDev	.0024	.0034					
%RSD	.4526	.6260					
#1	.5278	.5416					
#2	.5326	.5444					
#3	.5305	.5484					
Errors	LC Pass	LC Pass					
High	100.0	100.0					
Low	-.0100	-.0100					

Analysis Report

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO Sample Name: 4647-D1A

Operator: RM

Run Time: 09/16/94 20:12:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0450	14.64	2.019	2.130	.0495	15.90	.0507
SDev	.0019	.12	.021	.022	.0003	.08	.0014
%RSD	4.301	.7912	1.060	1.034	.5045	.4860	2.779
#1	.0429	14.76	2.039	2.155	.0497	15.99	.0518
#2	.0455	14.61	2.020	2.125	.0495	15.88	.0491
#3	.0467	14.54	1.996	2.112	.0492	15.84	.0513
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5094	.2088	.2649	9.966	2.167	2.414	.6086
SDev	.0002	.0010	.0021	.057	.041	.020	.0031
%RSD	.0445	.4983	.7960	.5767	1.871	.8458	.5010
#1	.5091	.2077	.2637	10.03	2.162	2.431	.6116
#2	.5094	.2097	.2673	9.958	2.129	2.391	.6087
#3	.5096	.2091	.2637	9.912	2.210	2.419	.6055
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.003	1.207	.5050	.5338	.5014	2.031	1.966
SDev	.005	.014	.0009	.0120	.0243	.039	.022
%RSD	.4957	1.197	.1824	2.247	4.847	1.941	1.134
#1	1.008	1.207	.5048	.5419	.4960	2.074	1.984
#2	1.004	1.192	.5042	.5394	.4803	2.022	1.941
#3	.9978	1.221	.5060	.5200	.5280	1.997	1.974
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.5183	.5297					
SDev	.0027	.0037					
%RSD	.5138	.6902					
#1	.5214	.5339					
#2	.5167	.5279					
#3	.5169	.5273					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0250					

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Low -.0500 -.0200

Analysis Report

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Page 1

Method: CLPMO

Sample Name: 4647-02

Operator: RM

Run Time: 09/16/94 20:19:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0018	58.08	.0488	.5019	.0046	32.08	.0043
SDev	.0023	.33	.0093	.0033	.0001	.07	.0006
%RSD	128.2	.5660	19.02	.6520	2.314	.2259	13.63
#1	.0007	57.85	.0573	.5003	.0047	32.17	.0036
#2	-.0038	57.94	.0389	.4997	.0046	32.03	.0043
#3	-.0022	58.46	.0501	.5057	.0045	32.05	.0044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0164	.0342	.0388	47.56	8.036	9.646	.9296
SDev	.0029	.0021	.0047	.09	.103	.020	.0015
%RSD	17.55	6.238	12.27	.1966	1.281	.2112	.1580
#1	.0197	.0366	.0442	47.49	8.106	9.660	.9288
#2	.0146	.0330	.0357	47.52	7.918	9.623	.9286
#3	.0148	.0329	.0363	47.67	8.085	9.656	.9312
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045	.5942	.0377	.0980	-.0149	.0189	L-.0406
SDev	.0016	.0145	.0044	.0137	.0118	.0328	.0142
%RSD	35.43	2.445	11.74	13.94	79.03	173.1	34.96
#1	.0052	.6110	.0404	.0841	-.0048	-.0003	L-.0290
#2	.0057	.5864	.0401	.0987	-.0120	.0003	L-.0565
#3	.0027	.5853	.0326	.1114	-.0279	.0568	L-.0364
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0691	.1799					
SDev	.0009	.0004					
%RSD	1.317	.2474					
#1	.0702	.1799					
#2	.0684	.1803					
#3	.0688	.1794					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO Sample Name: 4647-03

Operator: RM

Run Time: 09/16/94 20:26:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0026	36.78	.0367	.7362	.0027	208.2	.0026
SDev	.0018	.28	.0014	.0043	.0001	1.5	.0025
%RSD	69.26	.7481	3.695	.5800	2.967	.7357	95.23
#1	-.0038	36.85	.0375	.7368	.0027	208.5	.0015
#2	-.0034	36.48	.0373	.7316	.0026	206.5	.0008
#3	-.0005	37.02	.0351	.7401	.0027	209.5	.0054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079	.0219	.0223	22.30	5.200	10.98	.2102
SDev	.0018	.0031	.0022	.18	.029	.10	.0015
%RSD	22.95	14.04	9.833	.8110	.5501	.9329	.7275
#1	.0099	.0193	.0248	22.33	5.220	11.00	.2110
#2	.0063	.0253	.0205	22.11	5.167	10.87	.2092
#3	.0075	.0212	.0217	22.47	5.213	11.07	.2122
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	1.207	.0269	.0403	L-.0323	-.0204	-.0027
SDev	.0049	.012	.0008	.0211	.0028	.0205	.0103
%RSD	369.0	1.035	2.898	52.37	8.682	100.4	379.6
#1	.0042	1.196	.0263	.0469	L-.0330	-.0143	.0029
#2	.0042	1.205	.0278	.0574	-.0293	L-.0433	-.0145
#3	-.0043	1.221	.0266	.0167	L-.0348	-.0037	.0035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0376	.0970					
SDev	.0011	.0014					
%RSD	2.805	1.432					
#1	.0374	.0979					
#2	.0367	.0954					
#3	.0388	.0976					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

Analysis Report

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: PBS0913A

Operator: RM

Run Time: 09/16/94 20:33:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0220	H.0102	.0004	-.0000	.1475	.0003
SDev	.0028	.0148	.0017	.0001	.0001	.0408	.0005
%RSD	1270.	67.23	16.50	19.25	3624.	27.67	135.5
#1	.0011	.0367	H.0119	.0005	-.0000	.1904	.0008
#2	.0017	.0220	.0085	.0005	.0001	.1432	.0003
#3	-.0034	.0072	H.0102	.0003	-.0001	.1091	-.0001
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.2000	.0100	.2000	.0050	5.000	.0050
Low	-.0100	-.2000	-.0100	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	.0027	.0018	.0120	-.0306	-.0044	-.0001
SDev	.0012	.0005	.0014	.0056	.0530	.0113	.0002
%RSD	149.8	19.93	76.98	46.88	173.4	254.9	173.9
#1	-.0008	.0031	.0010	.0178	.0052	-.0040	.0000
#2	.0004	.0029	.0034	.0118	-.0055	.0066	-.0000
#3	-.0020	.0021	.0010	.0065	-.0915	-.0159	-.0004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Low	-.0500	-.0100	-.0250	-.1000	-5.000	-5.000	-.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0031	.0967	.0007	-.0126	-.0248	-.0013	-.0132
SDev	.0007	.0118	.0023	.0166	.0124	.0072	.0033
%RSD	23.62	12.24	315.2	132.0	49.87	570.5	24.77
#1	-.0023	.0952	.0027	-.0124	-.0390	.0022	-.0157
#2	-.0035	.1091	.0012	.0039	-.0163	.0035	-.0095
#3	-.0035	.0856	-.0018	-.0293	-.0191	-.0095	-.0143
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0200	5.000	.0400	.0500	.0600	.0600	.0500
Low	-.0200	-5.000	-.0400	-.0500	-.0600	-.0600	-.0500
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0008	.0000					
SDev	.0020	.0008					
%RSD	260.8	2065.					
#1	.0031	.0009					
#2	-.0005	-.0001					
#3	-.0003	-.0007					
Errors	LC Pass	LC Pass					
High	.0500	.0500					
Low	-.0500	-.0500					

Analysis Report

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: LCSS0913A

Operator: RM

Run Time: 09/16/94 20:40:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5878	46.49	.9264	.7007	.2954	26.80	.7010
SDev	.0005	.19	.0091	.0038	.0014	.03	.0012
%RSD	.0869	.4071	.9839	.5386	.4719	.1036	.1755
#1	.5872	46.70	.9239	.7050	.2970	26.77	.6999
#2	.5881	46.33	.9365	.6985	.2943	26.83	.7007
#3	.5881	46.43	.9188	.6985	.2950	26.80	.7023
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.050	55.80	3.500	.8800	.3700	31.70	.8600
Low	.2900	19.30	.3500	.4500	.1700	15.80	.3600
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	.4848	.8996	79.86	40.26	29.58	1.550
SDev	.003	.0012	.0021	.15	.11	.08	.003
%RSD	.1299	.2474	.2376	.1878	.2807	.2623	.1945
#1	2.018	.4837	.9018	80.02	40.14	29.65	1.553
#2	2.013	.4861	.8976	79.72	40.37	29.49	1.547
#3	2.017	.4846	.8994	79.84	40.26	29.59	1.549
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.460	.6100	1.100	110.0	44.00	36.00	1.900
Low	1.120	.2600	.4800	49.30	20.90	16.10	.9700
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.138	3.894	1.241	.6270	.7661	.8514	.3464
SDev	.005	.027	.002	.0063	.0299	.0123	.0212
%RSD	.4096	.6903	.1442	1.005	3.906	1.500	3.281
#1	1.133	3.909	1.242	.6250	.7839	.8656	.6586
#2	1.141	3.910	1.239	.6220	.7829	.8409	.6219
#3	1.141	3.863	1.241	.6341	.7316	.8477	.6586
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.470	5.060	1.570	.7100	3.500	1.080	.9800
Low	.6400	1.800	.6400	.2700	.3200	.3600	.3100
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.9214	.9123					
SDev	.0025	.0064					
%RSD	.2697	.7048					
#1	.9243	.9193					
#2	.9196	.9067					
#3	.9205	.9108					
Errors	LC Pass	LC Pass					
High	1.470	5.060					
Low	.6400	1.800					

Analysis Report

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Low .5600 .4500

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-01L

Operator: RM

Run Time: 09/16/94 20:47:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	6.296	.0155	.2303	.0007	2.283	.0025
SDev	.0028	.031	.0113	.0024	.0001	.004	.0011
%RSD	163.6	.4980	73.10	1.050	21.05	.1648	46.54
#1	.0041	6.271	.0219	.2287	.0008	2.284	.0029
#2	.0024	6.287	.0222	.2293	.0007	2.287	.0034
#3	-.0013	6.331	.0024	.2331	.0005	2.279	.0012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0086	.0470	8.043	1.277	1.587	.3264
SDev	.0022	.0039	.0024	.017	.043	.015	.0006
%RSD	46.10	45.98	5.143	.2166	3.402	.9206	.1899
#1	.0072	.0104	.0497	8.032	1.317	1.587	.3257
#2	.0040	.0113	.0461	8.035	1.231	1.603	.3265
#3	.0031	.0040	.0451	8.063	1.284	1.573	.3269
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	.0717	.0095	.0335	-.0171	.0102	-.0233
SDev	.0034	.0252	.0009	.0050	.0125	.0143	.0026
%RSD	522.1	35.19	9.739	14.85	73.16	145.0	11.23
#1	-.0001	.0781	.0088	.0392	-.0140	.0051	-.0245
#2	-.0043	.0931	.0092	.0315	-.0064	-.0014	-.0203
#3	.0025	.0439	.0106	.0298	L-.0308	.0269	L-.0251
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0217	.0284					
SDev	.0018	.0006					
%RSD	8.310	2.054					
#1	.0237	.0284					
#2	.0208	.0290					
#3	.0205	.0278					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

Analysis Report

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Low -.0500 -.0200

Analysis Report

Fri 09-16-94 09:01:49 PM

page 1

Method: CLPMO Sample Name: 4605-01

Operator: RM

Run Time: 09/16/94 20:54:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	32.33	.0402	1.179	.0026	11.70	.0035
SDev	.0015	.22	.0089	.006	.0000	.12	.0004
%RSD	165.8	.6750	22.02	.4731	1.464	1.067	11.77
#1	-.0008	32.08	.0448	1.172	.0026	11.56	.0036
#2	-.0024	32.40	.0300	1.182	.0026	11.72	.0030
#3	.0006	32.50	.0458	1.182	.0027	11.81	.0038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0217	.0319	.2457	40.92	6.570	8.130	1.686
SDev	.0022	.0040	.0032	.30	.129	.068	.011
%RSD	10.37	12.58	1.293	.7420	1.963	.8367	.6806
#1	.0191	.0273	.2420	40.59	6.443	8.054	1.673
#2	.0227	.0339	.2472	41.01	6.566	8.153	1.687
#3	.0233	.0346	.2478	41.18	6.701	8.184	1.696
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	20.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.5086	.0334	.0784	-.0185	.0088	L-.0623
SDev	.0019	.0086	.0018	.0042	.0173	.0115	.0070
%RSD	105.2	1.700	5.290	5.343	94.02	130.3	11.08
#1	.0023	.5072	.0323	.0785	-.0081	.0182	L-.0568
#2	-.0003	.5008	.0324	.0825	L-.0385	.0122	L-.0707
#3	.0036	.5179	.0354	.0741	-.0088	-.0040	L-.0623
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0932	.1444					
SDev	.0016	.0026					
%RSD	1.769	1.773					
#1	.0913	.1421					
#2	.0939	.1440					
#3	.0944	.1471					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-01R

Operator: RM

Run Time: 09/16/94 21:01:52

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0041	37.91	.0524	1.354	.0026	12.22	.0045
SDev	.0033	.42	.0107	.020	.0000	.05	.0018
%RSD	80.61	1.120	20.43	1.495	.2463	.4034	39.50

#1	-.0070	38.25	.0458	1.373	.0026	12.17	.0048
#2	-.0047	38.05	.0467	1.357	.0026	12.27	.0025
#3	-.0005	37.43	.0648	1.332	.0026	12.23	.0060

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0204	.0301	.2467	43.61	7.026	9.006	1.791
SDev	.0013	.0068	.0010	.18	.295	.017	.009
%RSD	6.521	22.65	.3965	.4121	4.195	.1841	.5193

#1	.0196	.0236	.2463	43.74	6.793	9.023	1.798
#2	.0197	.0295	.2478	43.68	7.357	8.990	1.794
#3	.0219	.0372	.2460	43.40	6.927	9.006	1.780

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.6427	.0338	.0597	-.0168	.0033	L-.0028
SDev	.0015	.0297	.0046	.0418	.0141	.0117	.0114
%RSD	331.3	4.621	13.73	70.09	84.29	353.3	12.31

#1	.0020	.6110	.0286	.0121	-.0253	-.0055	L-.0894
#2	.0003	.6474	.0351	.0762	-.0245	-.0011	L-.1055
#3	-.0010	.6698	.0376	.0907	-.0005	.0165	L-.0835

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.1001	.1443
SDev	.0025	.0016
%RSD	2.486	1.130

#1	.0973	.1454
#2	.1008	.1451
#3	.1021	.1424

Errors	LC Pass	LC Pass
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Analysis Report

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Low -.0500 -.0200

Analysis Report

QC Standard

Fri 09-16-94 09:16:03 PM

page 1

Method: CLPMO

Sample Name: CCV

Operator: RM

Run Time: 09/16/94 21:09:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.072	20.77	1.011	21.01	.5103	.0078	.5024
SDev	.008	.14	.017	.18	.0043	.0030	.0055
%RSD	.7822	.6796	1.672	.8584	.8491	38.07	1.104
#1	1.081	20.94	1.030	21.22	.5147	.0097	.5061
#2	1.068	20.68	.9989	20.92	.5102	.0093	.5051
#3	1.066	20.71	1.003	20.90	.5060	.0044	.4960
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.066	1.007	2.581	10.18	.1440	-.0109	1.524
SDev	.041	.011	.018	.09	.0501	.0074	.013
%RSD	.8183	1.114	.6912	.9232	34.82	68.30	.8447
#1	5.107	1.015	2.601	10.28	.1058	-.0095	1.537
#2	5.066	1.011	2.575	10.17	.2007	-.0043	1.522
#3	5.025	.9940	2.567	10.10	.1254	-.0190	1.512
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.012	-.0414	4.002	.4698	-.0140	5.048	1.011
SDev	.009	.0016	.032	.0072	.0152	.053	.012
%RSD	.8662	3.950	.7945	1.524	108.3	1.054	1.862
#1	1.019	-.0428	4.036	.4775	.0031	5.097	.9907
#2	1.015	-.0396	3.999	.4688	-.0193	5.056	1.016
#3	1.002	-.0417	3.972	.4633	-.0258	4.992	1.028
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	5.127	2.026					
SDev	.044	.014					
%RSD	.8555	.6743					
#1	5.172	2.040					
#2	5.124	2.027					
#3	5.084	2.013					
Errors	QC Pass	QC Pass					
Value	1.000	1.000					
Range	10.00	10.00					

Analysis Report

GC Standard

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Range 10.00 10.00

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/16/94 21:16:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.043	.0170	-.0019	.0079	.0001	50.97	.0076
SDev	.005	.0151	.0161	.0039	.0001	.12	.0022
%RSD	.4521	89.03	831.3	49.10	52.15	.2344	28.67
#1	1.044	.0299	-.0168	.0116	.0002	50.88	.0052
#2	1.038	.0206	.0152	.0081	.0001	51.11	.0094
#3	1.048	.0004	-.0042	.0039	.0001	50.92	.0082
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0056	.0022	.0068	53.88	51.53	-.0003
SDev	.0020	.0026	.0040	.0022	.63	.10	.0004
%RSD	133.3	46.11	178.8	32.12	1.160	.2011	156.6
#1	.0025	.0029	-.0014	.0080	53.80	51.50	-.0004
#2	.0028	.0080	.0065	.0080	53.30	51.45	.0002
#3	-.0008	.0058	.0016	.0042	54.54	51.65	-.0006
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	53.84	.0029	.0044	5.170	.0041	.0225
SDev	.0028	.81	.0019	.0136	.032	.0106	.0149
%RSD	984.0	1.499	64.78	306.8	.6282	258.0	66.18
#1	-.0027	53.89	.0020	.0035	5.136	.0038	.0075
#2	.0028	53.01	.0050	.0185	5.176	.0148	.0372
#3	.0007	54.63	.0017	-.0087	5.200	-.0063	.0227
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0030	.0043					
SDev	.0008	.0020					
%RSD	25.10	47.28					
#1	.0037	.0041					
#2	.0022	.0064					
#3	.0030	.0023					
Errors	NOCHECK	NOCHECK					
Value							
Range							

Analysis Report

QC Standard

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Range

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/16/94 21:23:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	.0161	.0052	.0020	.0000	.0246	.0008
SDev	.0005	.0258	.0031	.0008	.0001	.0072	.0001
%RSD	16.39	160.3	59.37	41.76	231.9	29.12	13.39
#1	.0033	.0394	.0024	.0021	Q-.0000	.0307	.0002
#2	.0036	-.0116	.0085	.0027	.0001	.0266	.0007
#3	.0026	.0206	.0047	.0011	Q-.0000	.0167	.0010
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.0010	.0010	.0010	.0010	.0010	.0010
Range		.0450	.1000	.0040	.0010	.2000	.0040
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0024	.0016	.0053	.0502	.0119	-.0005
SDev	.0006	.0024	.0016	.0011	.0358	.0135	.0001
%RSD	59.77	98.84	99.22	21.75	71.35	112.9	21.75
#1	.0007	.0047	.0004	.0065	.0107	.0146	-.0006
#2	.0005	-.0000	.0034	.0043	.0306	.0239	-.0006
#3	.0016	.0025	.0010	.0050	.0591	-.0027	-.0004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0070	.0050	.0030	.0300	.7500	.1000	.0020
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-.0335	.0011	.0015	-.0120	-.0115	-.0077
SDev	.0015	.0107	.0024	.0109	.0091	.0097	.0202
%RSD	175.5	31.97	220.7	736.9	75.19	84.24	261.3
#1	.0024	-.0225	-.0015	-.0108	-.0163	-.0139	.0026
#2	-.0006	-.0342	.0016	.0100	-.0016	-.0196	.0052
#3	.0007	-.0439	.0032	.0052	-.0182	-.0008	-.0310
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0050	.2000	.0080	.0330	.0400	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0016	-.0016					
SDev	.0019	.0004					
%RSD	118.7	22.95					
#1	.0021	-.0015					
#2	-.0005	-.0013					
#3	.0031	-.0020					
Errors	QC Pass	QC Pass					

Analysis Report

QC Standard

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Range .0080 .0050

Analysis Report

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page 1

Method: CLPMO

Sample Name: 4605-015

Operator: RM

Run Time: 09/16/94 21:30:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Aa3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0414	58.36	.0879	3.427	.0534	14.00	.0043
SDev	.0011	.54	.0086	.031	.0005	.13	.0016
%RSD	2.718	.9168	9.726	.9134	.9647	.9628	38.26

#1	.0416	58.96	.0956	3.463	.0539	14.15	.0028
#2	.0423	58.17	.0894	3.412	.0534	13.97	.0060
#3	.0401	57.94	.0787	3.406	.0529	13.88	.0041

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.5440	.2412	1.197	51.62	9.079	11.51	2.342
SDev	.0055	.0029	.010	.51	.040	.10	.025
%RSD	1.004	1.199	.8661	.9879	.4444	.8661	1.052

#1	.5498	.2423	1.209	52.17	9.078	11.61	2.375
#2	.5433	.2434	1.193	51.52	9.040	11.51	2.342
#3	.5390	.2379	1.190	51.16	9.120	11.41	2.326

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.008	1.097	.5488	.0959	.0435	.0091	L-.1062
SDev	.018	.015	.0048	.0043	.0211	.0049	.0041
%RSD	1.819	1.383	.8761	4.490	48.44	53.86	3.847

#1	1.016	1.080	.5535	.0996	.0604	.0142	L-.1052
#2	1.021	1.102	.5490	.0912	.0199	.0085	L-.1108
#3	.9870	1.109	.5438	.0971	.0502	.0045	L-.1028

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avgc	.6390	.6792
SDev	.0057	.0037
%RSD	.8855	.5488

#1	.6453	.6831
#2	.6375	.6756
#3	.6342	.6790

Errors	LC Pass	LC Pass
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Analysis Report

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-01A

Operator: RM

Run Time: 09/16/94 21:37:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0409	34.17	2.071	3.214	.0518	11.56	.0542
SDev	.0031	.14	.006	.014	.0001	.04	.0015
%RSD	7.508	.4129	.3035	.4449	.1587	.3880	2.685
#1	.0409	34.22	2.066	3.218	.0519	11.55	.0545
#2	.0440	34.01	2.078	3.198	.0518	11.61	.0526
#3	.0379	34.27	2.068	3.225	.0518	11.52	.0555
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5385	.2338	.5056	41.32	6.727	7.989	2.175
SDev	.0018	.0025	.0026	.05	.033	.016	.005
%RSD	.3388	1.060	.5213	.1257	.4899	.2019	.2189
#1	.5393	.2345	.5071	41.34	6.735	8.003	2.177
#2	.5399	.2359	.5026	41.37	6.691	7.992	2.178
#3	.5364	.2311	.5071	41.27	6.756	7.972	2.169
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.014	.5243	.5351	.5948	.5111	2.042	1.924
SDev	.003	.0189	.0062	.0103	.0050	.021	.034
%RSD	.2696	3.611	1.150	1.732	.9682	1.028	1.766
#1	1.011	.5446	.5414	.5829	.5060	2.034	1.943
#2	1.016	.5072	.5346	.6001	.5113	2.027	1.945
#3	1.015	.5211	.5291	.6014	.5159	2.066	1.885
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.6100	.6568					
SDev	.0004	.0042					
%RSD	.0632	.6461					
#1	.6096	.6595					
#2	.6104	.6590					
#3	.6099	.6519					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO Sample Name: 4605-02

Operator: RM

Run Time: 09/16/94 21:44:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0065	136.9	.0542	2.904	.0072	44.79	.0046
SDev	.0028	.5	.0150	.006	.0001	.41	.0006
%RSD	43.08	.3323	27.65	.2192	1.029	.9153	11.94
#1	-.0093	136.4	.0406	2.898	.0071	44.40	.0041
#2	-.0066	137.3	.0702	2.911	.0072	45.22	.0046
#3	-.0037	137.1	.0517	2.903	.0072	44.77	.0052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0495	.0610	.0537	86.16	8.435	16.45	2.627
SDev	.0012	.0041	.0017	.62	.076	.10	.016
%RSD	2.448	6.790	3.158	.7228	.9022	.6262	.6222
#1	.0503	.0592	.0518	85.53	8.353	16.34	2.611
#2	.0500	.0657	.0552	86.77	8.449	16.54	2.643
#3	.0481	.0581	.0540	86.18	8.503	16.46	2.627
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0071	5.975	.0582	.1077	L-.0364	.0006	L-.1120
SDev	.0013	.029	.0050	.0393	.0135	.0190	.0054
%RSD	18.25	.4779	8.652	36.48	37.08	3178.	4.815
#1	.0058	5.945	.0524	.0636	L-.0453	.0195	L-.1075
#2	.0071	5.979	.0609	.1206	-.0209	.0007	L-.1134
#3	.0084	6.002	.0614	.1389	L-.0429	-.0184	L-.1127
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1505	.1397					
SDev	.0032	.0021					
%RSD	2.136	1.480					
#1	.1471	.1373					
#2	.1535	.1411					
#3	.1510	.1406					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO

Sample Name: 4605-03

Operator: RM

Run Time: 09/16/94 21:52:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034	14.57	.0420	.5248	.1723	15.28	.0015
SDev	.0013	.04	.0090	.0021	.0010	.08	.0006
%RSD	36.90	.3051	21.45	.3966	.5983	.4943	33.32
#1	.0048	14.54	.0324	.5226	.1712	15.30	.0009
#2	.0023	14.55	.0502	.5249	.1725	15.20	.0010
#3	.0031	14.62	.0434	.5268	.1732	15.35	.0020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107	.0981	2.666	25.49	2.201	4.377	.4936
SDev	.0018	.0034	.018	.12	.061	.018	.0024
%RSD	17.02	3.442	.6816	.4756	2.771	.4072	.4769
#1	.0122	.1016	2.647	25.40	2.244	4.364	.4920
#2	.0087	.0948	2.667	25.44	2.131	4.369	.4924
#3	.0111	.0980	2.683	25.63	2.228	4.397	.4963
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.4409	.0774	.9108	-.0041	-.0104	-.0275
SDev	.0017	.0193	.0020	.0267	.0106	.0059	.0076
%RSD	87.98	4.389	2.606	2.955	257.4	56.60	27.73
#1	.0022	.4612	.0780	.9328	-.0163	-.0121	-.0200
#2	.0001	.4227	.0751	.8811	.0007	-.0152	L-.0352
#3	.0035	.4387	.0790	.9184	.0033	-.0038	L-.0273
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0376	.2917					
SDev	.0008	.0003					
%RSD	2.178	.0933					
#1	.0372	.2914					
#2	.0371	.2920					
#3	.0386	.2917					
Errors	LC Pass	LC Pass					
High							
Low							

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Analysis Report

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Method: CLPMO

Sample Name: 4605-04

Operator: RM

Run Time: 09/16/94 21:59:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0019	85.00	.0869	1.254	.0114	14.59	.0006
SDev	.0020	.44	.0189	.008	.0000	.06	.0011
%RSD	105.6	.5130	21.77	.6401	.3458	.4192	173.8
#1	-.0026	84.52	.1081	1.245	.0113	14.54	.0000
#2	.0004	85.11	.0808	1.257	.0114	14.57	.0018
#3	-.0034	85.38	.0718	1.260	.0114	14.66	-.0000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0385	.0464	.6834	74.71	10.43	12.96	2.360
SDev	.0001	.0007	.0041	.44	.11	.07	.012
%RSD	.2218	1.500	.5980	.5849	1.065	.5021	.5219
#1	.0384	.0456	.6788	74.29	10.34	12.90	2.350
#2	.0386	.0465	.6852	74.68	10.56	12.96	2.358
#3	.0384	.0470	.6864	75.16	10.40	13.03	2.374
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071	.7244	.0544	.1274	L-.0369	.0058	L-.0990
SDev	.0053	.0187	.0020	.0074	.0174	.0170	.0043
%RSD	73.80	2.575	3.687	5.835	47.04	293.4	4.392
#1	.0013	.7330	.0541	.1344	-.0283	.0229	L-.1007
#2	.0115	.7373	.0565	.1196	-.0255	-.0111	L-.1022
#3	.0086	.7030	.0525	.1281	L-.0569	.0056	L-.0940
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1187	.2413					
SDev	.0013	.0026					
%RSD	1.127	1.088					
#1	.1181	.2384					
#2	.1179	.2418					
#3	.1203	.2436					
Errors	LC Pass	LC Pass					

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Analysis Report

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Method: CLPMO Sample Name: 4605-05

Operator: RM

Run Time: 09/16/94 22:06:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	85.38	.0786	3.957	.0052	12.05	.0028
SDev	.0021	.41	.0067	.025	.0001	.05	.0012
%RSD	145.0	.4785	8.537	.6344	1.298	.4471	41.88
#1	-.0004	85.13	.0724	3.934	.0051	12.06	.0019
#2	.0010	85.85	.0857	3.983	.0053	12.10	.0023
#3	.0036	85.15	.0776	3.953	.0052	11.99	.0041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0305	.0385	36.61	61.36	8.091	8.821	1.883
SDev	.0008	.0040	.17	.22	.214	.038	.007
%RSD	2.531	10.25	.4529	.3619	2.640	.4345	.3752
#1	.0300	.0404	36.49	61.41	7.851	8.813	1.886
#2	.0300	.0340	36.80	61.55	8.260	8.862	1.888
#3	.0314	.0412	36.54	61.12	8.163	8.787	1.875
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043	.8068	.2720	.2891	L-.0302	.0021	L-.0301
SDev	.0025	.0342	.0008	.0120	.0164	.0216	.0085
%RSD	58.01	4.238	.2985	4.147	54.30	1028.	10.65
#1	.0015	.7683	.2710	.2752	L-.0360	.0105	L-.0732
#2	.0053	.8186	.2723	.2957	L-.0429	.0182	L-.0897
#3	.0061	.8336	.2725	.2963	-.0117	-.0225	L-.0775
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0894	1.466					
SDev	.0012	.002					
%RSD	1.355	.1671					
#1	.0881	1.469					
#2	.0905	1.464					
#3	.0897	1.465					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0250					

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-06

Operator: RM

Run Time: 09/16/94 22:13:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ce3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0035	88.75	.0485	.6580	.0073	14.57	.0043
SDev	.0016	.59	.0130	.0053	.0000	.04	.0008
%RSD	44.44	.6631	26.81	.8106	.5969	.2677	19.79
#1	-.0021	88.24	.0384	.6539	.0073	14.52	.0050
#2	-.0033	89.40	.0439	.6640	.0074	14.58	.0046
#3	-.0052	88.62	.0632	.6560	.0073	14.59	.0033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0240	.0570	.0463	57.09	9.851	16.13	1.486
SDev	.0011	.0016	.0021	.23	.078	.05	.007
%RSD	4.671	2.880	4.621	.4089	.7871	.3027	.4728
#1	.0228	.0571	.0485	56.83	9.786	16.08	1.478
#2	.0242	.0553	.0461	57.28	9.937	16.17	1.492
#3	.0250	.0586	.0442	57.16	9.829	16.15	1.487
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0078	5.128	.0500	.0759	-.0153	-.0151	L-.0604
SDev	.0021	.041	.0029	.0079	.0072	.0066	.0119
%RSD	26.81	.7899	5.847	10.42	46.83	43.87	19.74
#1	.0088	5.110	.0476	.0850	-.0201	-.0145	L-.0730
#2	.0054	5.175	.0492	.0713	-.0189	-.0219	L-.0493
#3	.0092	5.100	.0533	.0713	-.0071	-.0087	L-.0589
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0922	.1308					
SDev	.0014	.0028					
%RSD	1.537	2.123					
#1	.0921	.1285					
#2	.0908	.1301					
#3	.0936	.1339					
Errors	LC Pass	LC Pass					

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Analysis Report

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Method: CLPMO

Sample Name: 4605-07

Operator: RM

Run Time: 09/16/94 22:20:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0039	82.53	.0904	1.156	.0048	11.97	.0037
SDev	.0019	.68	.0096	.012	.0000	.04	.0016
%RSD	50.17	.8188	10.58	1.016	.7963	.3466	44.20
#1	-.0058	82.86	.0807	1.161	.0048	11.95	.0026
#2	-.0019	81.75	.0999	1.142	.0048	11.95	.0055
#3	-.0039	82.98	.0905	1.164	.0048	12.02	.0028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0354	.0550	.0424	80.21	7.795	12.72	1.975
SDev	.0024	.0054	.0028	.35	.063	.06	.008
%RSD	6.859	9.783	6.578	.4339	.8081	.4416	.4007
#1	.0334	.0488	.0400	80.16	7.749	12.68	1.974
#2	.0381	.0584	.0454	79.89	7.770	12.70	1.968
#3	.0349	.0578	.0418	80.58	7.867	12.79	1.984
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0050	.8956	.0450	.0956	-.0003	.0012	L-.0737
SDev	.0015	.0317	.0033	.0114	.0017	.0139	.0260
%RSD	30.08	3.536	7.248	11.87	573.0	1203.	33.10
#1	.0063	.8806	.0413	.0907	-.0023	-.0052	L-.1088
#2	.0055	.9320	.0472	.1086	.0006	.0171	L-.0629
#3	.0034	.8742	.0466	.0875	.0007	-.0084	L-.0644
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1449	.1380					
SDev	.0010	.0020					
%RSD	.6728	1.473					
#1	.1443	.1371					
#2	.1460	.1366					
#3	.1444	.1404					
Errors	LC Pass	LC Pass					
High	100.0	100.0					
Low	-.0100	-.0100					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-08

Operator: RM

Run Time: 09/16/94 22:27:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0038	68.21	.0675	1.069	.0047	15.20	.0151
SDev	.0007	.20	.0062	.002	.0001	.05	.0022
%RSD	18.09	.2992	9.191	.2018	.9709	.3509	14.57
#1	-.0036	68.29	.0604	1.070	.0046	15.20	.0142
#2	-.0032	67.98	.0712	1.067	.0046	15.15	.0135
#3	-.0046	68.37	.0710	1.071	.0047	15.26	.0176
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0265	.0429	.2089	63.23	12.90	12.52	1.617
SDev	.0021	.0033	.0040	.21	.12	.06	.005
%RSD	7.755	7.635	1.927	.3377	.9153	.4465	.3230
#1	.0242	.0393	.2043	63.25	12.76	12.61	1.619
#2	.0277	.0457	.2104	63.01	12.96	12.52	1.611
#3	.0277	.0438	.2119	63.44	12.97	12.63	1.621
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.5957	.0424	.4896	-.0045	.0025	L-.0040
SDev	.0035	.0106	.0042	.0071	.0204	.0143	.0031
%RSD	149.1	1.772	9.887	1.456	448.0	559.2	3.648
#1	-.0015	.5907	.0376	.4961	-.0206	-.0133	L-.0818
#2	.0053	.5885	.0441	.4908	-.0114	.0142	L-.0230
#3	.0032	.6078	.0455	.4820	.0183	.0067	L-.0240
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1196	.2076					
SDev	.0019	.0017					
%RSD	1.627	.8319					
#1	.1215	.2093					
#2	.1198	.2058					
#3	.1176	.2076					
Errors	LC Pass	LC Pass					
High	100.0	100.0					
Low	-.0100	-.0100					

Analysis Report

Fri 09-16-94 10:34:52 PM

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Low -.0500 -.0200

Analysis Report

Fri 09-16-94 10:41:59 PM

page 1

Method: CLPMO

Sample Name: 4605-09

Operator: RM

Run Time: 09/16/94 22:34:56

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0197	62.85	.0689	.8141	.0065	9.527	.0049
SDev	.0015	.25	.0109	.0052	.0000	.033	.0009
%RSD	7.436	.4025	15.76	.6321	.6048	.3462	18.06
#1	.0207	62.56	.0742	.8081	.0065	9.535	.0057
#2	.0204	63.04	.0564	.8170	.0066	9.555	.0052
#3	.0180	62.96	.0761	.8170	.0065	9.491	.0039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0379	.0450	.1983	66.17	10.51	9.627	2.590
SDev	.0006	.0005	.0013	.20	.08	.049	.009
%RSD	1.631	1.125	.6389	.3083	.7454	.5091	.3439
#1	.0384	.0445	.1979	66.02	10.43	9.611	2.583
#2	.0381	.0455	.1973	66.40	10.52	9.681	2.600
#3	.0372	.0451	.1997	66.08	10.59	9.587	2.586
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	.4241	.0415	.1324	-.0241	.0006	L-.0256
SDev	.0017	.0040	.0019	.0133	.0141	.0343	.0198
%RSD	47.47	.9552	4.586	10.03	58.44	5972.	23.14
#1	.0016	.4259	.0411	.1329	-.0102	.0190	L-.0807
#2	.0046	.4269	.0436	.1453	L-.0384	.0217	L-.0686
#3	.0046	.4195	.0399	.1188	-.0238	L-.0390	L-.1074
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1351	.1865					
SDev	.0008	.0003					
%RSD	.5533	.1769					
#1	.1342	.1868					
#2	.1357	.1863					
#3	.1353	.1862					
Errors	LC Pass	LC Pass					

Analysis Report

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Low -.0500 -.0200

Analysis Report

QC Standard

Fri 09-16-94 10:49:07 PM

page 1

Method: CLPMO

Sample Name: CCV

Operator: RM

Run Time: 09/16/94 22:42:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.077	20.81	1.015	21.15	.5140	.0056	.5063
SDev	.002	.01	.010	.05	.0006	.0018	.0018
%RSD	.1603	.0462	.9545	.2129	.1136	31.89	.3538
#1	1.077	20.81	1.026	21.14	.5143	.0044	.5043
#2	1.075	20.82	1.012	21.19	.5133	.0077	.5075
#3	1.079	20.81	1.007	21.11	.5143	.0048	.5072
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.111	1.012	2.589	10.26	.1287	-.0108	1.541
SDev	.015	.003	.002	.02	.0389	.0133	.002
%RSD	.2988	.3230	.0823	.1866	30.23	123.2	.1372
#1	5.098	1.009	2.590	10.25	.0838	-.0240	1.539
#2	5.106	1.014	2.590	10.25	.1487	.0025	1.540
#3	5.127	1.014	2.586	10.28	.1535	-.0107	1.543
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.023	-.0485	4.042	.4990	-.0065	5.093	1.017
SDev	.002	.0063	.017	.0111	.0165	.026	.010
%RSD	.1681	12.93	.4114	2.223	254.0	.5148	.9600
#1	1.025	-.0556	4.030	.4965	.0018	5.064	1.006
#2	1.022	-.0439	4.034	.4894	-.0255	5.101	1.025
#3	1.022	-.0460	4.061	.5112	.0042	5.115	1.020
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	5.168	2.036					
SDev	.010	.005					
%RSD	.1842	.2526					
#1	5.160	2.037					
#2	5.165	2.031					
#3	5.178	2.041					
Errors	QC Pass	QC Pass					

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QC Standard

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Range 10.00 10.00

Analysis Report

QC Standard

Fri 09-16-94 10:56:16 PM

page 1

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/16/94 22:49:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.049	.0151	.0059	.0095	.0002	51.51	.0038
SDev	.002	.0106	.0061	.0049	.0002	.45	.0018
%RSD	.1999	70.07	103.2	51.86	90.32	.8831	20.19
#1	1.048	.0231	.0120	.0145	.0004	51.88	.0107
#2	1.051	.0192	-.0002	.0093	.0001	51.65	.0071
#3	1.047	.0031	.0059	.0047	.0001	51.00	.0087
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0045	.0051	.0103	54.60	52.02	-.0003
SDev	.0036	.0064	.0058	.0060	.43	.26	.0006
%RSD	225.1	142.9	114.1	58.53	.7961	.5041	230.7
#1	.0051	.0116	.0108	.0163	54.10	52.15	.0004
#2	.0016	.0023	.0053	.0103	54.84	52.19	-.0004
#3	-.0020	-.0006	-.0008	.0043	54.86	51.72	-.0008
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	54.75	.0031	-.0018	5.199	.0151	-.0079
SDev	.0037	.70	.0031	.0101	.004	.0136	.0136
%RSD	1139000.	1.285	100.3	5501.4	.0785	90.24	170.3
#1	.0041	53.94	.0065	.0083	5.195	.0165	-.0117
#2	-.0010	Q55.13	.0025	-.0019	5.200	.0279	-.0193
#3	-.0031	Q55.19	.0004	-.0118	5.203	.0008	.0072
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0043	.0051					
SDev	.0026	.0014					
%RSD	59.49	27.33					
#1	.0064	.0060					
#2	.0050	.0058					
#3	.0014	.0035					
Errors	NOCHECK	NOCHECK					

Analysis Report

QC Standard

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Range

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/16/94 22:56:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	0.0479	.0022	0.0071	0-.0000	.0382	.0003
SDev	.0033	.0056	.0117	.0015	.0000	.0209	.0017
%RSD	838.5	11.65	542.0	21.12	145.0	54.59	641.9
#1	-.0025	.0435	.0012	0.0087	0-.0000	.0615	-.0009
#2	.0041	0.0542	.0143	0.0069	0-.0000	.0319	.0022
#3	-.0004	0.0461	-.0090	0.0057	0-.0001	.0212	-.0005
Errors	NOCHECK	QC Fail	QC Pass	QC Fail	QC Fail	QC Pass	QC Pass
Value		.0010	.0010	.0010	.0010	.0010	.0010
Range		.0450	.1000	.0040	.0010	.2000	.0040
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0000	.0003	-.0006	0.0531	-.0089	.0186	-.0001
SDev	.0014	.0022	.0036	.0020	.0833	.0322	.0004
%RSD	2314000.	647.3	585.9	3.751	931.7	173.5	313.9
#1	-.0009	-.0015	0-.0032	0.0554	-.0430	.0278	.0000
#2	.0016	.0027	.0034	0.0516	.0860	.0451	.0002
#3	-.0006	-.0002	0-.0020	0.0523	-.0699	-.0173	-.0006
Errors	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0070	.0050	.0030	.0300	.7500	.1000	.0020
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	-.0275	-.0000	.0156	.0046	.0143	.0013
SDev	.0023	.0244	.0036	.0129	.0144	.0027	.0033
%RSD	227.4	88.87	15470.	82.83	309.6	13.29	250.8
#1	-.0018	-.0139	-.0038	.0266	.0081	.0147	.0029
#2	.0016	-.0128	.0033	.0189	.0170	.0173	-.0025
#3	-.0027	-.0556	.0004	.0014	-.0111	.0119	.0035
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0050	.2000	.0080	.0330	.0400	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0019	.0021					
SDev	.0009	.0006					
%RSD	49.61	26.74					
#1	.0009	.0015					
#2	.0028	.0026					
#3	.0020	.0022					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					
Range	.0010	.0010					

Analysis Report

QC Standard

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Range .0080 .0050

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-10

Operator: RM

Run Time: 09/16/94 23:03:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	17.92	.0339	.2746	.0020	7.512	.0030
SDev	.0021	.14	.0108	.0023	.0001	.056	.0003
%RSD	38.52	.7939	31.89	.8399	3.482	.7468	9.329
#1	-.0002	18.07	.0339	.2768	.0020	7.570	.0028
#2	-.0043	17.91	.0231	.2747	.0019	7.458	.0033
#3	-.0026	17.78	.0446	.2722	.0020	7.509	.0029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0082	.0122	.0414	28.53	3.547	3.242	1.195
SDev	.0023	.0054	.0034	.21	.044	.022	.009
%RSD	28.07	44.14	8.265	.7448	1.234	.6664	.7530
#1	.0075	.0110	.0406	28.78	3.517	3.259	1.205
#2	.0063	.0076	.0384	28.38	3.527	3.218	1.190
#3	.0108	.0182	.0451	28.44	3.597	3.250	1.189
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.4262	.0109	.0673	-.0221	.0068	L-.0663
SDev	.0015	.0059	.0049	.0329	.0047	.0062	.0071
%RSD	77.59	1.383	45.00	48.89	21.39	101.2	10.76
#1	.0024	.4195	.0075	.0312	-.0186	.0084	L-.0746
#2	.0003	.4291	.0087	.0751	-.0275	-.0007	L-.0626
#3	.0033	.4302	.0165	.0956	-.0203	.0127	L-.0618
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0318	.1391					
SDev	.0009	.0018					
%RSD	2.837	1.313					
#1	.0314	.1380					
#2	.0312	.1380					
#3	.0328	.1412					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

Analysis Report

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO

Sample Name: 4605-11

Operator: RM

Run Time: 09/16/94 23:10:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0053	91.96	.0577	.9756	.0052	15.59	.0048
SDev	.0030	.93	.0172	.0132	.0000	.09	.0013
%RSD	56.39	1.007	29.78	1.354	.0825	.5261	26.51
#1	-.0036	91.13	.0489	.9642	.0052	15.54	.0052
#2	-.0087	92.96	.0467	.9901	.0052	15.53	.0033
#3	-.0035	91.79	.0775	.9724	.0052	15.70	.0058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0283	.0440	.0393	57.45	11.47	11.52	1.424
SDev	.0016	.0049	.0027	.30	.08	.05	.006
%RSD	5.568	11.22	6.773	.5158	.7180	.4617	.3236
#1	.0280	.0465	.0400	57.11	11.41	11.47	1.472
#2	.0268	.0383	.0363	57.57	11.57	11.50	1.487
#3	.0300	.0473	.0415	57.66	11.44	11.58	1.488
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1002
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.6663	.0426	.0662	-.0042	-.0025	L-.0027
SDev	.0011	.0269	.0029	.0343	.0106	.0113	.0206
%RSD	55.55	4.038	6.893	51.77	253.3	458.7	37.04
#1	.0033	.6773	.0448	.0654	.0021	-.0116	L-.0628
#2	.0016	.6356	.0392	.0323	-.0164	-.0060	L-.1180
#3	.0012	.6859	.0437	.1008	.0018	.0102	L-.0673
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1031	.1159					
SDev	.0017	.0005					
%RSD	1.650	.4405					
#1	.1049	.1163					
#2	.1015	.1153					
#3	.1028	.1160					
Errors	LC Pass	LC Pass					

Analysis Report

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Low: -.0500 -.0200

Analysis Report

Fri 09-16-94 11:24:53 PM

page 1

Method: CLPMO Sample Name: 4605-12

Operator: RM

Run Time: 09/16/94 23:17:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0037	34.73	.0481	.4990	.0032	6.844	.0033
SDev	.0005	.32	.0091	.0050	.0001	.028	.0003
%RSD	12.28	.9173	18.86	.9916	2.206	.4027	8.728
#1	-.0036	34.63	.0503	.4974	.0031	6.842	.0036
#2	-.0042	35.08	.0382	.5045	.0032	6.873	.0034
#3	-.0033	34.47	.0559	.4950	.0032	6.818	.0030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2573
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0174	.0231	.0754	41.19	6.247	5.496	1.486
SDev	.0007	.0017	.0026	.24	.038	.042	.009
%RSD	3.855	7.481	3.481	.5930	.6106	.7664	.5786
#1	.0173	.0251	.0759	41.11	6.206	5.464	1.484
#2	.0167	.0219	.0725	41.47	6.281	5.543	1.496
#3	.0181	.0223	.0777	41.00	6.254	5.480	1.480
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.4715	.0220	.1026	-.0129	-.0020	L-.0765
SDev	.0026	.0233	.0013	.0131	.0108	.0150	.0074
%RSD	81.57	4.932	5.969	12.72	83.03	734.2	9.693
#1	.0019	.4505	.0228	.0906	-.0229	.0066	L-.0847
#2	.0015	.4676	.0205	.1165	-.0144	.0066	L-.0745
#3	.0061	.4965	.0226	.1007	-.0015	-.0194	L-.0702
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0609	.1505					
SDev	.0008	.0009					
%RSD	1.332	.5929					
#1	.0602	.1498					
#2	.0608	.1515					
#3	.0618	.1501					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-13

Operator: RM

Run Time: 09/16/94 23:24:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	27.33	.0316	.2402	.0042	5.407	.0011
SDev	.0004	.12	.0069	.0016	.0000	.014	.0003
%RSD	21.49	.4516	21.70	.6613	.9804	.2640	29.17
#1	-.0020	27.20	.0265	.2385	.0043	5.394	.0014
#2	-.0016	27.35	.0289	.2405	.0042	5.423	.0010
#3	-.0025	27.44	.0394	.2416	.0043	5.405	.0008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0079	.0204	.0665	31.77	3.470	4.343	.8608
SDev	.0007	.0010	.0007	.14	.043	.021	.0040
%RSD	8.668	4.825	1.056	.4295	1.239	.4918	.4701
#1	.0075	.0202	.0661	31.61	3.427	4.320	.8561
#2	.0087	.0215	.0674	31.85	3.513	4.363	.8632
#3	.0075	.0196	.0661	31.85	3.470	4.346	.8630
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.5539	.0267	.0862	L-.0300	-.0216	L-.0497
SDev	.0011	.0156	.0007	.0301	.0156	.0088	.0094
%RSD	237.0	2.815	2.466	34.95	52.05	40.55	13.90
#1	-.0004	.5521	.0259	.0670	L-.0346	-.0176	L-.0389
#2	.0001	.5703	.0272	.1210	-.0126	-.0156	L-.0562
#3	.0018	.5393	.0269	.0707	L-.0429	-.0316	L-.0540
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0401	.1312					
SDev	.0007	.0007					
%RSD	1.737	.5093					
#1	.0393	.1313					
#2	.0405	.1317					
#3	.0405	.1304					
Errors	LC Pass	LC Pass					

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Analysis Report

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page 1

Method: CLPMO

Sample Name: 4605-14

Operator: RM

Run Time: 09/16/94 23:32:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Aq3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	22.20	.0585	.3971	.0814	8.857	.0028
SDev	.0016	.21	.0008	.0035	.0007	.065	.0006
%RSD	44.23	.9346	1.283	.8749	.8523	.7340	22.00
#1	.0055	21.97	.0583	.3931	.0806	8.787	.0033
#2	.0033	22.37	.0578	.3990	.0820	8.915	.0021
#3	.0023	22.27	.0593	.3992	.0816	8.868	.0030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0087	.0468	19.62	27.21	3.326	4.118	.6671
SDev	.0002	.0015	.19	.21	.052	.018	.0062
%RSD	2.583	3.173	.9808	.7536	1.570	.4263	.9262
#1	.0090	.0485	19.40	26.98	3.339	4.098	.6604
#2	.0087	.0458	19.75	27.37	3.269	4.132	.6725
#3	.0086	.0462	19.72	27.28	3.371	4.125	.6683
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	.4255	.0475	H6.339	.0409	.0149	L-.0366
SDev	.0024	.0211	.0032	.069	.0128	.0127	.0057
%RSD	64.15	4.968	6.687	1.096	31.32	84.76	15.52
#1	.0057	.4483	.0506	H6.282	.0464	.0091	L-.0372
#2	.0011	.4066	.0477	H6.416	.0262	.0295	L-.0420
#3	.0045	.4216	.0442	H6.319	.0500	.0063	L-.0307
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0399	.3396					
SDev	.0007	.0028					
%RSD	1.643	.8353					
#1	.0398	.3363					
#2	.0406	.3411					
#3	.0393	.3412					
Errors	LC Pass	LC Pass					

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Analysis Report

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page 1

Method: CLPMO

Sample Name: 4605-15

Operator: RM

Run Time: 09/16/94 23:39:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	22.35	.0333	.5134	.0490	8.878	.0016
SDev	.0025	.07	.0092	.0031	.0001	.009	.0003
%RSD	487.5	.3013	27.46	.6041	.0929	.1001	18.98
#1	-.0001	22.35	.0303	.5119	.0490	8.888	.0015
#2	.0033	22.28	.0261	.5113	.0490	8.875	.0013
#3	-.0016	22.42	.0436	.5170	.0491	8.871	.0019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	.0331	4.808	27.21	3.499	4.211	.7190
SDev	.0001	.0057	.019	.03	.041	.016	.0005
%RSD	2.347	17.37	.3892	.1233	1.173	.3760	.0711
#1	.0065	.0322	4.802	27.19	3.544	4.229	.7194
#2	.0063	.0392	4.793	27.19	3.463	4.204	.7184
#3	.0062	.0278	4.829	27.25	3.490	4.200	.7190
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.4537	.0389	.3808	-.0043	-.0057	L-.0542
SDev	.0026	.0158	.0019	.0081	.0230	.0143	.0145
%RSD	116.8	3.490	4.850	2.125	529.2	251.6	26.84
#1	-.0002	.4612	.0370	.3849	-.0069	-.0222	L-.0377
#2	.0049	.4644	.0408	.3859	.0198	.0038	L-.0597
#3	.0019	.4355	.0391	.3714	-.0260	.0012	L-.0651
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0330	.3307					
SDev	.0019	.0014					
%RSD	5.797	.4157					
#1	.0338	.3322					
#2	.0343	.3296					
#3	.0308	.3301					
Errors	LC Pass	LC Pass					

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Analysis Report

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page 1

Method: CLPMO

Sample Name: 4605-16

Operator: RM

Run Time: 09/16/94 23:46:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0058	95.22	.0596	1.220	.0062	12.39	.0048
SDev	.0016	.52	.0082	.008	.0000	.07	.0001
%RSD	27.30	.5424	13.71	.6705	.6335	.5393	1.620
#1	-.0045	95.66	.0502	1.227	.0061	12.46	.0048
#2	-.0076	95.35	.0653	1.222	.0062	12.33	.0048
#3	-.0052	94.65	.0633	1.211	.0062	12.37	.0049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0379	.0532	.0493	71.39	13.26	12.80	2.430
SDev	.0027	.0054	.0055	.29	.21	.06	.010
%RSD	7.011	10.19	11.07	.4066	1.610	.4842	.4102
#1	.0395	.0544	.0521	71.72	13.46	12.87	2.441
#2	.0349	.0473	.0430	71.18	13.04	12.74	2.424
#3	.0395	.0580	.0528	71.27	13.29	12.80	2.424
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.6042	.0511	.0942	-.0082	.0050	L-.1269
SDev	.0016	.0061	.0004	.0099	.0217	.0066	.0108
%RSD	89.08	1.007	.7326	10.51	264.8	133.0	8.510
#1	.0037	.6024	.0511	.0897	-.0061	.0082	L-.1282
#2	.0011	.5992	.0507	.1055	L-.0308	-.0026	L-.1369
#3	.0007	.6110	.0515	.0873	.0124	.0094	L-.1155
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1335	.1626					
SDev	.0021	.0027					
%RSD	1.589	1.692					
#1	.1350	.1658					
#2	.1311	.1607					
#3	.1344	.1614					
Errors	LC Pass	LC Pass					
High	100.0	100.0					
Low	-.0100	-.0100					

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 00:00:31 AM

page 1

Method: CLPMO Sample Name: 4605-17

Operator: RM

Run Time: 09/16/94 23:53:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0045	80.10	.0653	1.086	.0050	13.86	.0046
SDev	.0013	.79	.0170	.011	.0001	.14	.0006
%RSD	28.59	.9851	26.05	1.049	1.299	.9950	12.76
#1	-.0030	79.26	.0586	1.074	.0050	13.78	.0048
#2	-.0054	80.82	.0847	1.096	.0051	14.02	.0039
#3	-.0051	80.21	.0527	1.089	.0050	13.79	.0050
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0305	.0494	.2343	64.33	11.87	11.69	1.761
SDev	.0007	.0009	.0031	.60	.27	.10	.016
%RSD	2.250	1.922	1.333	.9398	2.294	.8747	.8877
#1	.0301	.0502	.2335	63.80	11.63	11.59	1.747
#2	.0313	.0497	.2378	64.99	12.16	11.79	1.777
#3	.0301	.0483	.2317	64.21	11.80	11.68	1.758
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	.5468	.0457	.2637	-.0076	.0125	L-.1014
SDev	.0045	.0113	.0006	.0351	.0068	.0139	.0191
%RSD	86.66	2.071	1.422	13.30	89.67	111.0	18.87
#1	.0045	.5339	.0458	.2989	-.0140	.0101	L-.1097
#2	.0101	.5553	.0462	.2288	-.0083	.0275	L-.1150
#3	.0011	.5511	.0449	.2634	-.0005	.0000	L-.0795
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1269	.1676					
SDev	.0029	.0015					
%RSD	2.321	.9178					
#1	.1245	.1661					
#2	.1302	.1692					
#3	.1260	.1675					
Errors	LC Pass	LC Pass					
High	100.0	100.0					
Low	-.0100	-.0100					

Analysis Report

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Analysis Report

Sat 09-17-94 00:07:39 AM

page 1

Method: CLPMO Sample Name: 4605-18

Operator: RM

Run Time: 09/17/94 00:00:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0046	99.92	.0682	1.731	.0067	26.02	.0055
SDev	.0019	.30	.0036	.006	.0001	.12	.0019
%RSD	40.52	.3018	5.225	.3373	1.099	.4433	33.67
#1	-.0066	99.76	.0706	1.727	.0067	25.39	.0070
#2	-.0041	100.3	.0698	1.738	.0066	26.02	.0060
#3	-.0030	99.72	.0641	1.728	.0068	26.03	.0034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0239	.0597	.0513	76.01	17.61	18.96	1.141
SDev	.0005	.0010	.0019	.24	.34	.05	.003
%RSD	2.159	1.605	3.623	.3141	1.926	.2381	.3001
#1	.0242	.0588	.0497	75.74	17.37	18.94	1.137
#2	.0233	.0607	.0534	76.16	18.00	19.01	1.144
#3	.0242	.0596	.0509	76.15	17.45	19.93	1.143
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	5.754	.0538	.0665	-.0092	.0146	L-.0396
SDev	.0011	.076	.0015	.0189	.0058	.0272	.0120
%RSD	116.4	1.329	2.758	28.46	59.04	186.8	48.53
#1	-.0003	5.727	.0553	.0447	-.0154	-.0041	L-.0555
#2	.0014	5.840	.0536	.0757	-.0039	.0020	L-.0449
#3	.0018	5.695	.0524	.0790	-.0102	.0458	-.0183
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1163	.1819					
SDev	.0028	.0015					
%RSD	2.417	.8296					
#1	.1133	.1822					
#2	.1188	.1832					
#3	.1168	.1803					
Errors	LC Pass	LC Pass					

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Analysis Report

QC Standard

Sat 09-17-94 00:14:47 AM

page 1

Method: CLPMO

Sample Name: CCV

Operator: RM

Run Time: 09/17/94 00:07:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.098	21.23	1.045	21.57	.5255	.0105	.5225
SDev	.010	.22	.015	.30	.0043	.0043	.0041
%RSD	.8979	1.031	1.469	1.387	.8153	40.68	.7862
#1	01.108	21.45	1.061	21.87	.5296	.0134	.5257
#2	1.097	21.22	1.031	21.57	.5258	.0056	.5241
#3	1.088	21.01	1.042	21.27	.5210	.0126	.5179
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2571
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.244	1.043	2.644	10.50	.1581	-.0057	1.577
SDev	.047	.009	.026	.11	.0717	.0047	.015
%RSD	.8893	.8905	.9669	1.016	45.33	82.60	.9295
#1	5.297	1.053	2.670	10.62	.1581	-.0051	1.594
#2	5.219	1.036	2.644	10.48	.0864	-.0013	1.573
#3	5.215	1.040	2.619	10.41	.2297	-.0106	1.565
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.037	-.0310	4.151	.4956	.0231	5.260	1.069
SDev	.006	.0148	.036	.0240	.0122	.039	.021
%RSD	.5743	47.78	.8664	4.848	52.90	.7362	1.971
#1	1.044	-.0225	4.192	.5228	.0189	5.291	1.082
#2	1.036	-.0482	4.130	.4772	.0369	5.272	1.080
#3	1.033	-.0225	4.130	.4867	.0136	5.216	1.044
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	5.283	2.080					
SDev	.054	.015					
%RSD	1.016	.7129					
#1	5.342	2.096					
#2	5.271	2.078					
#3	5.237	2.067					
Errors	QC Pass	QC Pass					
Value	5.000	2.000					
Range	10.00	10.00					

Analysis Report

QC Standard

Sat 09-17-94 00:14:47 AM

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Range 10.00 10.00

Analysis Report

QC Standard

Sat 09-17-94 00:21:55 AM

Page 1

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/17/94 00:14:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.066	.0085	-.0033	.0074	.0002	52.45	.0081
SDev	.010	.0046	.0075	.0040	.0001	.39	.0008
%RSD	.9643	54.89	229.5	53.89	65.65	.7506	10.42
#1	1.065	.0111	-.0060	.0118	.0003	52.46	.0087
#2	1.057	.0031	.0052	.0063	.0001	52.05	.0071
#3	1.077	.0112	-.0090	.0041	.0001	52.84	.0095
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0056	.0027	.0098	Q55.31	52.81	-.0009
SDev	.0037	.0023	.0042	.0031	.79	.47	.0003
%RSD	390.2	41.60	153.3	32.00	1.421	.8832	35.35
#1	.0052	.0041	.0059	.0133	Q55.62	52.69	-.0006
#2	-.0008	.0083	.0044	.0088	54.42	52.41	-.0010
#3	-.0015	.0044	-.0020	.0073	Q55.90	53.32	-.0002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Fail	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0031	Q55.13	.0031	-.0056	5.306	.0005	.0029
SDev	.0011	.72	.0029	.0191	.024	.0075	.0079
%RSD	36.10	1.305	92.02	339.6	.4511	1425.	131.6
#1	-.0044	Q55.30	.0037	.0080	5.286	.0069	.0071
#2	-.0023	54.35	.0056	.0026	5.299	-.0078	.0017
#3	-.0027	Q55.76	-.0000	-.0274	5.332	.0024	-.0002
Errors	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0030	.0041					
SDev	.0019	.0000					
%RSD	64.18	.5089					
#1	.0053	.0041					
#2	.0020	.0041					
#3	.0018	.0041					
Errors	NOCHECK	NOCHECK					

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QC Standard

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Range

Analysis Report

QC Standard

Sat 09-17-94 00:29:04 AM

Page 1

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/17/94 00:21:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	Q.0488	.0026	Q.0081	.0001	.0386	.0004
SDev	.0014	.0035	.0044	.0015	.0001	.0159	.0020
%RSD	55.12	7.251	172.1	19.22	106.3	41.15	469.4
#1	.0029	Q.0502	.0062	Q.0099	.0001	.0569	-.0009
#2	.0010	.0448	-.0024	Q.0070	Q-.0000	.0294	-.0005
#3	.0036	Q.0515	.0039	Q.0073	.0001	.0294	.0027
Errors	NOCHECK	QC Fail	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass
Value		.0010	.0010	.0010	.0010	.0010	.0010
Range		.0450	.1000	.0040	.0010	.2000	.0040
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0046	Q.0041	Q.0551	.0878	.0203	Q-.0024
SDev	.0015	.0028	.0016	.0011	.0411	.0119	.0003
%RSD	107.9	61.77	39.69	2.079	46.75	58.55	13.11
#1	-.0002	.0014	.0028	Q.0553	.0430	.0278	Q-.0024
#2	.0028	.0054	.0034	Q.0538	.0968	.0066	Q-.0026
#3	.0016	Q.0069	Q.0059	Q.0561	.1236	.0265	Q-.0020
Errors	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass	QC Pass	QC Fail
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0070	.0050	.0030	.0300	.7500	.1000	.0020
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0036	.0027	.0268	-.0170	.0003	-.0039
SDev	.0029	.0221	.0030	.0162	.0098	.0058	.0154
%RSD	675.2	619.4	110.1	60.32	57.66	2086.	397.4
#1	-.0006	.0064	.0002	.0135	-.0268	.0058	-.0129
#2	-.0018	-.0289	.0019	.0221	-.0172	-.0058	-.0126
#3	.0037	.0118	.0061	Q.0448	-.0071	.0008	.0132
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0050	.2000	.0080	.0330	.0400	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0022	.0015					
SDev	.0007	.0003					
%RSD	32.34	20.57					
#1	.0024	.0015					
#2	.0014	.0018					
#3	.0027	.0012					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					
Range	.0010	.0010					

Analysis Report

QC Standard

Sat 09-17-94 00:29:04 AM

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Range .0080 .0050

Analysis Report

QC Standard

Sat 09-17-94 00:36:11 AM

Page 1

Method: CLPM0

Sample Name: ICSEA

Operator: RM

Run Time: 09/17/94 00:29:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	533.4	-.0029	.0225	.0001	494.7	.0844
SDev	.0019	4.2	.0448	.0003	.0001	3.1	.0008
%RSD	115.8	.7904	1563.	1.145	129.6	.6321	1.006

#1	-.0004	538.2	.0380	.0223	-.0000	495.0	.0847
#2	.0020	532.1	.0042	.0228	.0001	497.6	.0851
#3	.0033	530.1	-.0508	.0223	.0001	491.4	.0834

Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0026	.0051	.0217	185.2	-.3892	544.2	.0183
SDev	.0021	.0057	.0037	.9	.1168	2.3	.0003
%RSD	78.39	110.9	17.05	.4927	30.00	.4284	1.937

#1	-.0032	-.0009	.0174	185.7	-.5167	546.5	.0181
#2	-.0004	.0104	.0241	185.8	-.2875	545.9	.0187
#3	-.0044	.0058	.0235	184.1	-.3635	542.2	.0181

Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.0		500.0	
Range				20.00		20.00	

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0017	.2297	.0061	.0200	-.0504	-.1222	.0897
SDev	.0063	.0187	.0022	.0206	.0160	.0934	.0198
%RSD	379.1	8.153	36.06	103.2	31.81	76.46	22.05

#1	.0038	.2108	.0036	.0004	-.0466	-.0154	.0760
#2	-.0086	.2482	.0077	.0414	-.0366	-.1626	.1124
#3	-.0002	.2301	.0071	.0181	-.0680	-.1886	.0808

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	V_2924	Zn2138
Units	ppm	ppm
Avg	.0135	.0298
SDev	.0026	.0019
%RSD	18.93	6.440

#1	.0116	.0317
#2	.0164	.0278
#3	.0125	.0299

Errors	NOCHECK	NOCHECK
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Analysis Report

QC Standard

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Range

Method: CLPMO

Sample Name: ICSAB

Operator: RM

Run Time: 09/17/94 00:36:14

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca7179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.015	531.6	1.017	.5104	.4920	497.1	1.010
SDev	.005	2.4	.019	.0024	.0028	3.1	.005
%RSD	.5211	.4490	1.906	.4803	.5731	.6316	.5052
#1	1.020	534.2	1.028	.5131	.4948	499.6	1.014
#2	1.016	531.2	1.028	.5097	.4922	498.1	1.011
#3	1.009	529.5	.9944	.5084	.4891	493.5	1.004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	500.0	1.000	.5000	.5000	500.0	1.000
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4663	.4721	.5384	184.9	-.3307	545.1	.4665
SDev	.0029	.0049	.0030	1.0	.0398	3.2	.0026
%RSD	.6209	1.045	.5577	.5493	12.03	.5961	.5243
#1	.4684	.4776	.5418	185.7	-.3505	548.0	.4928
#2	.4676	.4707	.5363	185.1	-.2849	545.7	.4910
#3	.4630	.4680	.5369	183.7	-.3568	541.6	.4877
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.5000	.5000	.5000	200.0		500.0	.5000
Range	20.00	20.00	20.00	20.00		20.00	20.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9487	1.353	.9125	1.034	.9977	4.782	.9963
SDev	.0064	.017	.0088	.035	.0348	.115	.0159
%RSD	.6765	1.278	.9619	3.418	3.485	2.409	1.591
#1	.9548	1.338	.9184	1.074	.9992	4.914	1.000
#2	.9420	1.372	.9168	1.013	1.032	4.702	.9789
#3	.9492	1.350	.9025	1.014	.9621	4.729	1.010
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000		1.000	1.000	1.000	5.000	1.000
Range	20.00		20.00	20.00	20.00	20.00	20.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.4934	1.023					
SDev	.0016	.007					
%RSD	.3350	.7189					
#1	.4944	1.031					
#2	.4942	1.020					
#3	.4915	1.017					
Errors	QC Pass	QC Pass					
Value	1.000	1.000					
Range	20.00	20.00					

Analysis Report

OC Standard

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Range 20.00 20.00

Analysis Report

QC Standard

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Method: CLPMO

Sample Name: CRI

Operator: RM

Run Time: 09/17/94 00:43:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0229	.2791	0.0270	0.0014	.0108	.2496	.0112
SDev	.0026	.1326	.0046	.0004	.0001	.1154	.0005
%RSD	11.35	47.52	17.11	28.35	.9821	46.22	4.661

#1	.0231	.4082	0.0271	0.0017	.0109	.3641	.0113
#2	0.0254	.2858	0.0316	0.0009	.0109	.2516	.0106
#3	.0202	.1433	.0224	0.0015	.0107	.1333	.0111

Errors	QC Pass	NOCHECK	QC Fail	QC Fail	QC Pass	NOCHECK	QC Pass
Value	.0200		.0200	.2000	.0100		.0100
Range	25.00		25.00	25.00	25.00		25.00

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1100	0.0258	.0557	.1066	.0572	.2642	.0290
SDev	.0010	.0031	.0021	.0470	.0741	.1148	.0002
%RSD	.8795	11.80	3.720	44.05	129.7	43.44	.8080

#1	.1109	0.0291	.0573	.1534	.1126	.3769	.0289
#2	.1090	0.0253	.0534	.1068	-.0271	.2681	.0289
#3	.1099	.0231	.0564	.0595	.0859	.1475	.0293

Errors	QC Pass	QC Fail	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	.1000	.0200	.0500				.0300
Range	25.00	25.00	25.00				25.00

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0214	-.0275	.0888	.1079	0.0805	.0110	.0160
SDev	.0022	.0183	.0020	.0101	.0103	.0087	.0169
%RSD	10.19	66.61	2.229	9.361	12.83	78.91	104.5

#1	.0190	-.0396	.0872	.0963	0.0856	0.0014	.0192
#2	.0220	-.0364	.0910	.1127	0.0686	0.0182	0-.0020
#3	.0233	-.0064	.0882	.1147	0.0873	0.0135	0.0313

Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	.0200		.0800	.1060	.1200	.0100	.0200
Range	25.00		25.00	25.00	25.00	25.00	25.00

Elem	V_2924	Zn2138
Units	ppm	ppm
Avg	.1108	.0426
SDev	.0014	.0019
%RSD	1.268	4.578

#1	.1095	.0405
#2	.1123	.0432
#3	.1108	.0442

Errors	QC Pass	QC Pass
Value	.1200	.0400
Range	25.00	25.00

Analysis Report

QC Standard

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Range 25.00 25.00

Analysis Report

QC Standard

Sat 09-17-94 00:57:33 AM

page 1

Method: CLPMO

Sample Name: CCV

Operator: RM

Run Time: 09/17/94 00:50:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.092	21.20	1.036	21.54	.5229	.0365	.5133
SDev	.008	.13	.006	.15	.0027	.0203	.0025
%RSD	.7751	.6164	.5452	.7064	.5239	55.41	.4792
#1	1.087	21.11	1.033	21.43	.5202	.0586	.5109
#2	1.088	21.14	1.032	21.47	.5230	.0323	.5133
#3	Q1.102	21.35	1.042	21.71	.5257	.0188	.5158
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.195	1.038	2.642	10.41	.1202	.0278	1.566
SDev	.017	.007	.014	.04	.1054	.0083	.004
%RSD	.3204	.6622	.5170	.4282	87.66	29.74	.2873
#1	5.178	1.042	2.635	10.37	.2414	.0305	1.562
#2	5.195	1.030	2.633	10.40	.0697	.0345	1.565
#3	5.212	1.042	2.658	10.46	.0496	.0186	1.571
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.036	-.0367	4.113	.5198	-.0188	5.195	1.058
SDev	.006	.0106	.008	.0193	.0175	.046	.027
%RSD	.5517	28.74	.1972	3.718	93.22	.8857	2.546
#1	1.040	-.0246	4.104	.5154	-.0037	5.186	1.027
#2	1.029	-.0439	4.115	.5409	-.0147	5.154	1.076
#3	1.038	-.0417	4.120	.5030	-.0380	5.245	1.072
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	5.248	2.066					
SDev	.019	.012					
%RSD	.3639	.5991					
#1	5.234	2.052					
#2	5.242	2.070					
#3	5.270	2.075					
Errors	QC Pass	QC Pass					
Value	5.000	2.000					
Range	10.00	10.00					

Analysis Report

QC Standard

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Range 10.00 10.00

Analysis Report

QC Standard

Sat 09-17-94 01:04:41 AM

page 1

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/17/94 00:57:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.062	.0170	.0065	.0076	.0002	52.52	.0089
SDev	.013	.0289	.0144	.0032	.0001	.48	.0026
%RSD	1.271	170.2	222.2	42.61	61.82	.9055	29.70
#1	1.056	.0460	.0214	.0110	.0003	52.21	.0110
#2	1.052	.0165	.0055	.0070	.0003	52.29	.0026
#3	1.077	-.0117	-.0074	.0047	.0001	53.07	.0050
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0034	.0033	.0128	54.64	52.96	-.0004
SDev	.0008	.0037	.0037	.0053	1.23	.65	.0009
%RSD	83.53	108.3	109.2	41.70	2.243	1.221	218.9
#1	.0019	.0062	.0071	.0185	53.96	52.40	.0002
#2	.0008	.0047	.0031	.0118	53.90	52.58	.0000
#3	.0002	-.0008	-.0002	.0080	Q56.05	53.60	-.0014
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	54.79	.0039	.0043	5.273	.0079	-.0001
SDev	.0025	1.04	.0036	.0253	.067	.0303	.0082
%RSD	157.5	1.905	93.46	590.8	1.275	385.0	6402.
#1	-.0001	54.30	.0055	.0332	5.227	-.0055	.0011
#2	-.0044	54.08	.0064	-.0067	5.241	-.0135	.0079
#3	-.0001	Q55.98	-.0003	-.0137	5.350	.0426	-.0095
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0035	.0052					
SDev	.0028	.0011					
%RSD	80.38	20.42					
#1	.0052	.0062					
#2	.0049	.0053					
#3	.0003	.0041					
Errors	NOCHECK	NOCHECK					

Analysis Report

QC Standard

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Range

Analysis Report

QC Standard

Sat 09-17-94 01:11:50 AM

page 1

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/17/94 01:04:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0197	.0104	.0013	.0001	.0238	.0011
SDev	.0031	.0087	.0043	.0009	.0000	.0124	.0002
%RSD	174.8	44.24	40.85	69.55	31.12	51.96	21.17
#1	.0042	.0192	.0094	.0021	.0001	.0362	.0003
#2	.0030	.0286	.0063	.0014	.0001	.0224	.0010
#3	-.0018	.0112	.0151	.0003	.0001	.0122	.0017
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0003	.0011	.0035	.0681	.0322	-.0027
SDev	.0021	.0046	.0040	.0026	.1120	.0245	.0002
%RSD	160.2	1546.	355.9	74.18	164.6	76.11	3.623
#1	.0026	.0021	.0053	.0050	.1666	.0570	-.0024
#2	.0023	.0038	.0007	.0050	.0914	.0318	-.0023
#3	-.0011	-.0050	-.0026	.0005	-.0538	.0079	-.0023
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0032	.0014	.0243	-.0013	.0004	-.0092
SDev	.0049	.0326	.0030	.0195	.0143	.0074	.0060
%RSD	3499.	1017.	215.9	78.61	1025.	1783.	64.09
#1	.0058	.0300	.0035	0.0413	.0086	.0034	-.0152
#2	-.0031	-.0043	.0027	.0298	.0052	.0052	-.0090
#3	-.0023	-.0353	-.0020	.0033	-.0178	-.0080	-.0033
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0035	.0001					
SDev	.0027	.0004					
%RSD	78.30	416.3					
#1	.0053	.0005					
#2	.0048	-.0003					
#3	.0003	.0001					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					
Range	.0200	.0010					

Analysis Report

QC Standard

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Range .0500

.0200

Analysis Report

Sat 09-17-94 01:19:07 AM

page 1

Method: CLPMO

Sample Name: PBS09138

Operator: RM

Run Time: 09/17/94 01:11:54

Comment:

Mode: CONC Corr. Factor: 1

Elem	Aq3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0233	-.0057	.0004	.0001	.0168	.0003
SDev	.0006	.0088	.0023	.0005	.0001	.0017	.0001
%RSD	311.9	37.67	39.71	117.1	104.3	9.857	42.89
#1	.0002	.0220	-.0083	.0005	.0001	.0183	.0004
#2	.0007	.0153	-.0043	-.0001	-.0000	.0151	.0004
#3	-.0004	.0327	-.0045	.0009	.0001	.0171	.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.2000	.0100	.2000	.0050	5.000	.0050
Low	-.0100	-.2000	-.0100	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0020	.0042	.0050	.0358	-.0036	-.0030
SDev	.0011	.0032	.0031	.0015	.0919	.0178	.0004
%RSD	228900.	164.3	73.29	30.10	256.5	499.1	13.35
#1	-.0005	.0056	.0053	.0065	.0967	.0039	-.0030
#2	-.0008	.0009	.0007	.0050	-.0699	-.0239	-.0035
#3	.0013	-.0006	.0065	.0035	.0806	.0093	-.0026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Low	-.0500	-.0100	-.0250	-.1000	-5.000	-5.000	-.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0027	.1099	.0004	-.0016	-.0085	-.0038	-.0124
SDev	.0022	.0111	.0035	.0042	.0157	.0057	.0209
%RSD	82.00	10.14	871.8	257.4	184.7	64.14	241.8
#1	-.0040	.1188	.0044	-.0012	.0094	-.0152	.0086
#2	-.0040	.0974	-.0019	-.0060	-.0201	-.0067	-.0466
#3	-.0001	.1134	-.0013	.0023	-.0148	-.0045	.0009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0200	5.000	.0400	.0500	.0600	.0600	.0500
Low	-.0200	-5.000	-.0400	-.0500	-.0600	-.0600	-.0500
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0012	.0016					
SDev	.0016	.0004					
%RSD	141.9	26.90					
#1	.0003	.0020					
#2	.0001	.0012					
#3	.0031	.0015					
Errors	LC Pass	LC Pass					

Analysis Report

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 01:26:14 AM

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Method: CLPMO Sample Name: LCSS0913B

Operator: RM

Run Time: 09/17/94 01:19:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Aq3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5842	46.72	.9580	.7148	.3042	27.59	.7265
SDev	.0043	.41	.0120	.0055	.0019	.24	.0059
%RSD	.7419	.8844	1.256	.7722	.6121	.8841	.8110
#1	.5792	46.32	.9455	.7096	.3021	27.33	.7197
#2	.5866	47.15	.9695	.7206	.3049	27.82	.7294
#3	.5868	46.70	.9590	.7142	.3056	27.61	.7303
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.050	55.80	3.500	.8800	.3700	31.70	.8600
Low	.2900	19.30	.3500	.4500	.1700	15.20	.3600
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.077	.4879	.9163	75.27	40.70	30.16	1.609
SDev	.016	.0060	.0080	.56	1.42	.27	.012
%RSD	.7563	1.224	.8770	.7442	3.484	.8790	.7594
#1	2.059	.4821	.9076	74.63	39.65	29.85	1.595
#2	2.089	.4941	.9234	75.70	42.32	30.32	1.617
#3	2.082	.4876	.9180	75.47	40.14	30.30	1.614
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.460	.6100	1.100	110.0	44.00	36.00	1.900
Low	1.120	.2600	.4800	49.30	20.90	16.10	.9700
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.148	3.976	1.275	.6331	.5982	.9253	.8746
SDev	.015	.138	.012	.0265	.0203	.0020	.0142
%RSD	1.316	3.466	.9518	4.181	3.393	.2239	2.111
#1	1.138	3.894	1.261	.6073	.5758	.8841	.6728
#2	1.166	4.135	1.280	.6602	.6153	.9852	.6614
#3	1.141	3.898	1.284	.6318	.6037	.8880	.6897
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.470	5.060	1.570	.7100	3.500	1.020	.9800
Low	.6400	1.800	.6400	.2700	.3200	.3600	.3100
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.9362	.9219					
SDev	.0075	.0052					
%RSD	.7987	.5661					
#1	.9277	.9176					
#2	.9421	.9277					
#3	.9387	.9204					
Errors	LC Pass	LC Pass					

Analysis Report

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Analysis Report

Sat 09-17-94 01:33:22 AM

page 1

Method: CLPMO Sample Name: 4605-19

Operator: RM

Run Time: 09/17/94 01:26:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0064	74.40	.0574	.8625	.0050	9.437	.0055
SDev	.0019	.93	.0186	.0119	.0001	.033	.0017
%RSD	29.00	1.255	32.42	1.378	1.630	.3526	31.90

#1	-.0061	75.08	.0537	.8690	.0051	9.470	.0054
#2	-.0085	74.79	.0409	.8698	.0049	9.436	.0038
#3	-.0048	73.34	.0776	.8482	.0049	9.404	.0072

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn0576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0412	.0525	.0831	67.56	12.44	10.98	2.607
SDev	.0017	.0063	.0034	.49	.33	.07	.017
%RSD	4.160	11.96	4.051	.7260	2.630	.6245	.6606

#1	.0402	.0532	.0795	68.01	12.40	11.04	2.623
#2	.0402	.0459	.0835	67.63	12.78	11.00	2.608
#3	.0432	.0584	.0862	67.04	12.13	10.90	2.589

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030	.4565	.0478	.1108	-.0052	-.0077	L-.0002
SDev	.0079	.0220	.0061	.0217	.0217	.0163	.0075
%RSD	260.8	4.817	12.74	19.62	419.5	211.0	7.516

#1	.0001	.4355	.0436	.0950	-.0216	-.0219	L-.0966
#2	-.0029	.4548	.0449	.1019	-.0134	.0101	L-.1084
#3	.0119	.4794	.0548	.1356	.0195	-.0114	L-.0945

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avg	.1369	.1618
SDev	.0021	.0019
%RSD	1.557	1.152

#1	.1370	.1639
#2	.1347	.1605
#3	.1390	.1609

Errors	LC Pass	LC Pass
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Analysis Report

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Analysis Report

Sat 09-17-94 01:40:30 AM

page 1

Method: CLPMO

Sample Name: 4605-20

Operator: RM

Run Time: 09/17/94 01:33:25

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0063	60.89	.0621	.5866	.0044	13.75	.0042
SDev	.0033	.50	.0197	.0059	.0001	.02	.0013
%RSD	52.04	.8151	31.63	1.003	1.783	.1174	29.55
#1	-.0072	61.31	.0646	.5913	.0043	13.76	.0029
#2	-.0090	61.02	.0413	.5878	.0044	13.74	.0046
#3	-.0027	60.34	.0804	.5803	.0044	13.76	.0057
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0230	.0398	.0473	55.71	10.98	9.243	1.629
SDev	.0022	.0040	.0046	.23	.09	.025	.009
%RSD	9.528	10.16	9.721	.4121	.7958	.2746	.5127
#1	.0206	.0389	.0424	55.85	10.96	9.260	1.705
#2	.0234	.0363	.0479	55.84	10.90	9.255	1.704
#3	.0249	.0443	.0515	55.45	11.07	9.214	1.689
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	.5436	.0341	.1410	-.0054	-.0073	L-.0033
SDev	.0039	.0260	.0026	.0108	.0233	.0138	.0239
%RSD	82.93	4.777	7.524	7.628	433.5	190.1	25.43
#1	.0002	.5361	.0331	.1521	-.0267	.0025	L-.0867
#2	.0070	.5222	.0322	.1306	-.0039	-.0012	L-.1198
#3	.0070	.5725	.0371	.1404	.0194	-.0231	L-.0734
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0882	.1590					
SDev	.0015	.0023					
%RSD	1.740	1.432					
#1	.0868	.1563					
#2	.0880	.1602					
#3	.0898	.1603					
Errors	LC Pass	LC Pass					

Analysis Report

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 01:47:37 AM

page 1

Method: CLPMO Sample Name: 4605-21L

Operator: RM

Run Time: 09/17/94 01:40:33

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	5.345	.0132	.1012	.0030	1.562	.0013
SDev	.0017	.017	.0094	.0008	.0001	.012	.0009
%RSD	479.9	.3232	71.32	.8088	2.697	.7345	68.14
#1	.0016	5.353	.0219	.1012	.0031	1.569	.0021
#2	.0009	5.326	.0032	.1003	.0029	1.556	.0004
#3	-.0015	5.358	.0145	.1020	.0031	1.579	.0014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	.0083	.8319	7.286	.5835	.9683	.1719
SDev	.0017	.0016	.0069	.048	.0890	.0107	.0016
%RSD	71.58	19.16	.8296	.6656	15.26	1.234	.9456
#1	.0028	.0101	.8294	7.287	.6767	.9745	.1712
#2	.0005	.0070	.8267	7.236	.4993	.8744	.1702
#3	.0040	.0079	.8398	7.333	.5745	.8559	.1734
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	20.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0803	.0071	.4094	-.0047	.0049	-.0015
SDev	.0036	.0206	.0001	.0370	.0077	.0014	.0044
%RSD	2750.	25.72	2.188	9.037	164.6	29.30	29.83
#1	.0037	.0888	.0069	.4521	.0016	.0058	-.0183
#2	-.0035	.0952	.0070	.3879	-.0024	.0032	-.0172
#3	-.0006	.0567	.0072	.3882	-.0133	.0056	L-.0288
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0090	.0720					
SDev	.0003	.0014					
%RSD	3.428	1.998					
#1	.0086	.0734					
#2	.0091	.0705					
#3	.0092	.0720					
Errors	LC Pass	LC Pass					
High							
Low							

Analysis Report

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 01:54:44 AM

page 1

Method: CLPMO Sample Name: 4605-21
 Run Time: 09/17/94 01:47:41
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: RM

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0018	27.09	.0422	.5134	.0152	7.884	.0020
SDev	.0022	.26	.0124	.0055	.0000	.086	.0002
%RSD	119.8	.9631	29.49	1.067	.2751	1.090	11.42
#1	-.0038	26.95	.0386	.5094	.0153	7.826	.0017
#2	.0005	27.39	.0560	.5197	.0153	7.993	.0021
#3	-.0020	26.92	.0319	.5112	.0152	7.844	.0021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086	.0255	4.195	31.80	3.185	4.379	.8602
SDev	.0013	.0021	.027	.27	.123	.050	.0065
%RSD	15.57	8.041	.6540	.8552	3.859	1.140	.7562
#1	.0072	.0237	4.185	31.67	3.045	4.358	.8583
#2	.0087	.0277	4.226	32.12	3.276	4.436	.8675
#3	.0099	.0250	4.174	31.62	3.233	4.343	.8549
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1900
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.5603	.0325	2.041	.0210	-.0064	L-.0396
SDev	.0014	.0276	.0006	.024	.0118	.0164	.0305
%RSD	67.47	4.926	1.970	1.472	56.05	256.0	77.17
#1	.0005	.5297	.0320	2.019	.0087	.0112	L-.0492
#2	.0031	.5832	.0332	2.066	.0323	-.0092	-.0054
#3	.0026	.5682	.0321	2.039	.0221	-.0213	L-.0642
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	20.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0417	.3617					
SDev	.0009	.0028					
%RSD	2.231	.7659					
#1	.0406	.3601					
#2	.0423	.3649					
#3	.0422	.3600					
Errors	LC Pass	LC Pass					
High							
Low							

Analysis Report

Sat 09-17-94 01:54:44 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 02:01:52 AM

page 1

Method: CLPMO

Sample Name: 4605-21R

Operator: RM

Run Time: 09/17/94 01:54:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0570	26.09	.0519	.5743	.0161	3.267	.0116
SDev	.0016	.16	.0039	.0042	.0002	.072	.0009
%RSD	2.361	.6067	7.421	.7242	1.007	.3693	9.140
#1	.0558	26.00	.0475	.5725	.0160	3.196	.0106
#2	.0588	26.00	.0536	.5713	.0160	3.266	.0124
#3	.0563	26.28	.0546	.5791	.0163	3.340	.0119
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0112	.0259	5.940	34.82	3.242	4.276	1.013
SDev	.0009	.0026	.035	.25	.121	.028	.007
%RSD	8.537	10.17	.5931	.7124	3.730	.6462	.7132
#1	.0108	.0229	5.935	34.65	3.120	4.253	1.009
#2	.0123	.0276	5.907	34.69	3.362	4.261	1.009
#3	.0105	.0273	5.977	35.10	3.244	4.308	1.021
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	.5425	.0333	2.361	.0022	-.0107	L-.0395
SDev	.0037	.0170	.0033	.021	.0153	.0145	.0090
%RSD	65.06	3.131	9.800	.7415	705.5	136.1	23.24
#1	.0049	.5297	.0298	2.838	-.0013	.0046	L-.0317
#2	.0096	.5618	.0363	2.879	.0189	-.0124	L-.0400
#3	.0024	.5361	.0336	2.867	-.0111	-.0243	L-.0349
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0471	.2712					
SDev	.0009	.0026					
%RSD	1.913	.9548					
#1	.0461	.2687					
#2	.0479	.2710					
#3	.0474	.2739					
Errors	LC Pass	LC Pass					

Analysis Report

Sat 09-17-94 02:01:52 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 02:08:59 AM

page 1

Method: CLPMO Sample Name: 4605-21S

Operator: RM

Run Time: 09/17/94 02:01:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0461	46.46	.0884	2.595	.0697	8.576	.0021
SDev	.0018	.55	.0059	.034	.0008	.116	.0007
%RSD	3.879	1.187	6.712	1.309	1.201	1.350	34.50
#1	.0446	46.12	.0815	2.575	.0692	8.452	.0025
#2	.0481	47.10	.0924	2.634	.0706	8.682	.0012
#3	.0457	46.16	.0912	2.575	.0692	8.594	.0025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5422	.2458	5.347	44.16	5.416	6.083	1.353
SDev	.0085	.0083	.065	.55	.154	.058	.016
%RSD	1.576	3.375	1.222	1.250	2.840	.9569	1.156
#1	.5336	.2362	5.324	43.69	5.239	6.020	1.341
#2	.5507	.2509	5.420	44.77	5.497	6.134	1.371
#3	.5424	.2503	5.296	44.02	5.513	6.097	1.342
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1000
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.042	.6270	.5642	4.212	.0788	.0173	L-.0559
SDev	.013	.0195	.0083	.079	.0159	.0037	.0085
%RSD	1.228	3.114	1.475	1.878	20.13	21.40	15.23
#1	1.030	.6174	.5546	4.121	.0763	.0159	L-.0530
#2	1.055	.6142	.5698	4.254	.0644	.0145	L-.0492
#3	1.042	.6495	.5680	4.262	.0958	.0215	L-.0655
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.5868	.8059					
SDev	.0074	.0095					
%RSD	1.256	1.182					
#1	.5812	.7972					
#2	.5952	.8161					
#3	.5842	.8044					
Errors	LC Pass	LC Pass					

Analysis Report

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Analysis Report

Sat 09-17-94 02:16:06 AM

page 1

Method: CLPMO Sample Name: 4605-21A

Operator: RM

Run Time: 09/17/94 02:09:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0385	28.77	2.091	2.578	.0645	7.741	.0523
SDev	.0043	.11	.016	.014	.0004	.051	.0026
%RSD	11.09	.3706	.7713	.5534	.5920	.6636	4.954
#1	.0364	28.65	2.072	2.562	.0641	7.715	.0543
#2	.0434	28.80	2.098	2.581	.0644	7.800	.0531
#3	.0357	28.85	2.102	2.590	.0649	7.707	.0494
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5300	.2308	4.399	32.10	3.124	4.259	1.365
SDev	.0036	.0021	.028	.17	.094	.037	.007
%RSD	.6852	.9242	.6371	.5236	3.004	.8797	.4923
#1	.5268	.2293	4.370	31.92	3.202	4.233	1.358
#2	.5339	.2333	4.400	32.24	3.149	4.302	1.371
#3	.5292	.2300	4.426	32.16	3.020	4.242	1.367
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.030	.5514	.5430	2.512	.5762	2.071	2.017
SDev	.004	.0263	.0050	.050	.0030	.034	.013
%RSD	.4143	4.770	.9107	1.978	.5208	1.749	.9062
#1	1.030	.5650	.5421	2.467	.5789	2.032	1.999
#2	1.034	.5682	.5484	2.566	.5766	2.103	2.036
#3	1.026	.5211	.5386	2.504	.5730	2.077	2.015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.5618	.8727					
SDev	.0044	.0091					
%RSD	.7889	1.045					
#1	.5570	.8621					
#2	.5657	.8779					
#3	.5628	.8780					
Errors	LC Pass	LC Pass					

Analysis Report

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Analysis Report

Sat 09-17-94 02:23:14 AM

page 1

Method: CLPMO Sample Name: 4605-22

Operator: RM

Run Time: 09/17/94 02:16:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	7.934	.0286	.1341	.0019	3.436	.0015
SDev	.0013	.049	.0063	.0007	.0000	.030	.0013
%RSD	127.5	.6167	22.14	.5463	1.917	.8854	84.84
#1	-.0004	7.959	.0330	.1346	.0019	3.430	.0016
#2	.0019	7.964	.0314	.1345	.0019	3.469	.0027
#3	.0015	7.877	.0213	.1333	.0019	3.409	.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	.0217	.0578	19.87	1.518	1.011	1.260
SDev	.0003	.0017	.0003	.15	.037	.019	.010
%RSD	7.233	7.991	.6077	.7530	2.412	1.904	.8148
#1	.0045	.0197	.0576	19.89	1.546	.9990	1.263
#2	.0045	.0221	.0576	20.01	1.476	1.034	1.272
#3	.0051	.0231	.0582	19.71	1.530	1.002	1.251
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1000
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	.8225	.0328	.0263	-.0172	.0132	-.0160
SDev	.0034	.0207	.0004	.0132	.0102	.0239	.0039
%RSD	91.72	2.517	1.154	15.23	59.69	180.2	24.11
#1	-.0002	.8100	.0330	.0873	-.0240	-.0117	-.0119
#2	.0057	.8464	.0331	.0727	-.0054	.0360	-.0196
#3	.0057	.8111	.0324	.0989	-.0221	.0153	-.0164
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0151	.1210					
SDev	.0017	.0011					
%RSD	11.30	.9366					
#1	.0133	.1210					
#2	.0155	.1221					
#3	.0167	.1198					
Errors	LC Pass	LC Pass					

Analysis Report

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Low -.0500 -.0200

Analysis Report

QC Standard

Sat 09-17-94 02:30:22 AM

page 1

Method: CLPMO

Sample Name: CCV

Operator: RM

Run Time: 09/17/94 02:23:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.086	21.01	1.033	21.31	.5191	.0107	.5156
SDev	.011	.21	.015	.26	.0046	.0023	.0066
%RSD	1.040	1.009	1.483	1.225	.8842	21.18	1.288
#1	1.086	21.01	1.026	21.31	.5182	.0122	.5156
#2	1.074	20.80	1.023	21.05	.5151	.0118	.5090
#3	1.097	21.22	1.050	21.57	.5241	.0081	.5200
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	5.160	1.037	2.629	10.31	.1798	-.0053	1.558
SDev	.060	.012	.025	.11	.0375	.0093	.016
%RSD	1.156	1.203	.9445	1.081	20.84	173.6	1.052
#1	5.152	1.034	2.627	10.31	.1601	-.0107	1.557
#2	5.105	1.025	2.605	10.20	.2230	-.0107	1.542
#3	5.223	1.050	2.654	10.43	.1563	.0054	1.575
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1900
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.029	-.0185	4.089	.5029	.0051	5.193	1.054
SDev	.021	.0114	.056	.0109	.0208	.050	.010
%RSD	2.051	61.69	1.381	2.178	407.2	1.146	.9572
#1	1.019	-.0161	4.083	.5155	-.0180	5.203	1.055
#2	1.015	-.0310	4.036	.4977	.0110	5.117	1.044
#3	1.053	-.0086	4.148	.4954	.0223	5.230	1.064
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avgc	5.208	2.058					
SDev	.053	.017					
%RSD	1.024	.8067					
#1	5.204	2.056					
#2	5.156	2.043					
#3	5.263	2.076					
Errors	QC Pass	QC Pass					
Value							
Range							

Analysis Report

QC Standard

Sat 09-17-94 02:30:22 AM

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Range 10.00 10.00

Analysis Report

QC Standard

Sat 09-17-94 02:37:30 AM

page 1

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/17/94 02:30:26

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.065	.0035	.0008	.0065	.0002	52.06	.0078
SDev	.011	.0069	.0045	.0028	.0000	.26	.0021
%RSD	1.027	197.2	541.8	42.17	26.06	.4912	26.21
#1	1.060	-.0023	-.0028	.0094	.0002	52.10	.0099
#2	1.057	.0111	.0052	.0063	.0001	51.79	.0077
#3	1.077	.0017	-.0005	.0039	.0001	52.30	.0057
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025	.0036	.0041	.0073	53.99	52.55	-.0005
SDev	.0012	.0034	.0020	.0040	.86	.41	.0007
%RSD	47.49	92.18	49.18	54.81	1.594	.7770	151.0
#1	.0038	.0067	.0038	.0118	53.11	52.46	.0002
#2	.0023	.0042	.0062	.0057	54.04	52.19	-.0004
#3	.0014	.0001	.0022	.0042	54.83	52.99	-.0012
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1000
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	54.50	.0029	-.0012	5.290	.0322	.0020
SDev	.0023	1.03	.0063	.0170	.025	.0148	.0112
%RSD	825.5	1.892	222.8	1470.	.4754	45.93	570.0
#1	.0020	53.45	.0079	.0182	5.299	.0450	.0079
#2	-.0001	54.54	.0050	-.0134	5.262	.0160	.0000
#3	-.0027	55.51	-.0043	-.0083	5.310	.0355	-.0110
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0040	.0044					
SDev	.0008	.0006					
%RSD	20.03	14.59					
#1	.0042	.0052					
#2	.0046	.0041					
#3	.0031	.0041					
Errors	NOCHECK	NOCHECK					

Range

Analysis Report

QC Standard

Sat 09-17-94 02:44:39 AM

page 1

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/17/94 02:37:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0390	.0022	.0070	.0001	.0271	.0008
SDev	.0001	.0076	.0139	.0001	.0000	.0038	.0006
%RSD	53.65	19.56	618.2	1.228	1.828	14.00	76.79
#1	-.0001	.0368	.0182	.0069	.0001	.0315	.0014
#2	-.0003	.0328	-.0071	.0070	.0001	.0249	.0009
#3	-.0004	.0476	-.0044	.0070	.0001	.0249	.0001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	.0003	-.0004	.0574	-.0322	.0004	-.0022
SDev	.0014	.0031	.0020	.0004	.0845	.0199	.0001
%RSD	114.5	1004.	482.2	.7536	262.1	4871.	4.221
#1	-.0021	-.0031	-.0026	.0569	-.1290	.0199	-.0026
#2	-.0020	.0028	.0004	.0576	.0054	.0013	-.0028
#3	.0004	.0012	.0010	.0576	.0269	-.0199	-.0022
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0027	-.0435	-.0010	-.0035	-.0256	-.0166	-.0192
SDev	.0022	.0212	.0013	.0107	.0022	.0195	.0000
%RSD	82.15	48.83	133.3	302.5	8.792	117.0	106.5
#1	-.0052	-.0193	.0000	.0023	-.0278	-.0304	-.0370
#2	-.0014	-.0524	-.0024	-.0159	-.0233	.0056	.0026
#3	-.0014	-.0589	-.0005	.0030	-.0256	-.0252	-.0220
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	-.0017	.0017					
SDev	.0005	.0016					
%RSD	32.36	94.58					
#1	-.0019	.0032					
#2	-.0020	.0000					
#3	-.0010	.0018					
Errors	QC Pass	QC Pass					

Analysis Report

QC Standard

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Range .0500 .0200

Analysis Report

Sat 09-17-94 02:51:46 AM

page 1

Method: CLPMO Sample Name: 4605-23

Operator: RM

Run Time: 09/17/94 02:44:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0030	9.457	.0292	.1033	.0016	2.110	.0002
SDev	.0026	.098	.0067	.0004	.0000	.009	.0001
%RSD	87.26	1.033	23.03	.3805	.1373	.4063	64.49
#1	.0000	9.449	.0347	.1031	.0017	2.116	.0003
#2	-.0048	9.363	.0313	.1030	.0016	2.100	.0003
#3	-.0042	9.558	.0217	.1037	.0016	2.114	.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0084	.0165	28.04	1.407	1.527	.2047
SDev	.0013	.0027	.0041	.21	.049	.013	.0059
%RSD	67.79	31.92	24.90	.7563	3.437	.8557	.6543
#1	.0034	.0067	.0162	27.98	1.456	1.513	.2037
#2	.0019	.0071	.0208	27.86	1.407	1.542	.2094
#3	.0007	.0115	.0126	28.27	1.359	1.521	.2010
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1002
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	.6360	.0130	.0047	-.0162	.0054	L-.0333
SDev	.0032	.0248	.0030	.0107	.0209	.0157	.0121
%RSD	121.5	3.900	23.24	229.0	129.0	291.1	36.18
#1	.0062	.6624	.0159	.0158	-.0159	.0197	L-.0291
#2	.0020	.6324	.0133	.0040	.0045	.0079	-.0240
#3	-.0002	.6131	.0099	-.0057	L-.0373	-.0114	L-.0470
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0172	.1207					
SDev	.0009	.0006					
%RSD	5.202	.4807					
#1	.0162	.1213					
#2	.0176	.1204					
#3	.0178	.1203					
Errors	LC Pass	LC Pass					

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Analysis Report

Sat 09-17-94 02:58:54 AM

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Method: CLPMO Sample Name: 4605-24

Operator: RM

Run Time: 09/17/94 02:51:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	9.930	.0360	.2866	.0528	5.301	.0004
SD	.0022	.049	.0037	.0012	.0001	.005	.0003
%RSD	1412.	.4936	10.19	.4157	.1303	.0956	67.02
#1	.0019	9.983	.0401	.2878	.0528	5.303	.0002
#2	-.0025	9.921	.0331	.2867	.0528	5.296	.0002
#3	.0002	9.886	.0347	.2854	.0527	5.306	.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0232	.0711	3.491	23.34	1.625	2.562	.6400
SD	.0008	.0029	.018	.05	.066	.027	.0015
%RSD	3.525	4.150	.5137	.2111	4.042	1.051	.2261
#1	.0228	.0721	3.507	23.38	1.567	2.593	.6506
#2	.0227	.0678	3.494	23.36	1.610	2.549	.6508
#3	.0241	.0735	3.471	23.29	1.696	2.544	.6432
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062	.5347	.0471	.3396	-.0036	.0005	L-.0094
SD	.0016	.0051	.0002	.0094	.0074	.0056	.0073
%RSD	25.83	.9458	.3935	2.779	201.8	1059.	24.88
#1	.0055	.5404	.0469	.3312	-.0050	-.0023	-.0211
#2	.0051	.5307	.0472	.3498	-.0102	-.0030	L-.0321
#3	.0081	.5329	.0472	.3377	.0043	.0069	L-.0350
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0210	.1931					
SD	.0009	.0005					
%RSD	4.371	.2371					
#1	.0213	.1934					
#2	.0216	.1934					
#3	.0199	.1926					
Errors	LC Pass	LC Pass					

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Analysis Report

Sat 09-17-94 03:06:02 AM

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Method: CLPMO Sample Name: 4605-25

Operator:

Run Time: 09/17/94 02:58:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Ba3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0037	40.72	.0490	.5023	.0130	66.11	.0035
SDev	.0029	.32	.0177	.0048	.0000	.39	.0003
%RSD	80.52	.7924	36.02	.9561	.3064	.5911	2.722
#1	-.0037	40.74	.0431	.5015	.0129	66.41	.0037
#2	-.0007	40.39	.0689	.4980	.0130	66.26	.0030
#3	-.0066	41.03	.0351	.5075	.0130	65.67	.0034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0182	.0448	.2414	43.86	6.995	8.599	1.137
SDev	.0017	.0003	.0032	.07	.094	.012	.001
%RSD	9.121	.5868	1.310	.1526	1.338	.1423	.1107
#1	.0188	.0447	.2396	43.93	6.952	8.610	1.134
#2	.0194	.0451	.2451	43.80	7.102	8.586	1.131
#3	.0163	.0447	.2396	43.86	6.931	8.603	1.134
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091	.6677	.0403	.2164	-.0141	.0307	L-.0524
SDev	.0023	.0116	.0031	.0136	.0125	.0357	.0117
%RSD	25.63	1.733	7.696	6.277	88.49	116.4	22.77
#1	.0080	.6709	.0393	.2312	-.0147	.0677	L-.0422
#2	.0118	.6773	.0438	.2110	-.0263	-.0036	L-.0490
#3	.0076	.6549	.0379	.2063	-.0013	.0281	L-.0655
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0738	.1511					
SDev	.0004	.0007					
%RSD	.5276	.4571					
#1	.0734	.1508					
#2	.0742	.1519					
#3	.0739	.1505					
Errors	LC Pass	LC Pass					

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Analysis Report

Sat 09-17-94 03:13:09 AM

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Method: CLPMO Sample Name: 4605-26

Operator:

Run Time: 09/17/94 03:06:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	20.83	.0519	.3604	.0168	85.81	.0011
SDev	.0023	.34	.0080	.0069	.0002	.69	.0020
%RSD	110.0	1.629	15.37	1.927	1.319	.8058	126.0
#1	-.0048	21.22	.0451	.3684	.0171	86.60	-.0010
#2	-.0004	20.64	.0607	.3564	.0168	85.29	.0029
#3	-.0011	20.63	.0500	.3564	.0166	85.55	.0013
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0104	.0412	.3279	32.48	3.624	5.988	.8505
SDev	.0025	.0054	.0017	.35	.056	.043	.0092
%RSD	24.07	13.07	.5168	1.067	1.538	.7204	1.074
#1	.0077	.0350	.3294	32.88	3.641	6.037	.8630
#2	.0126	.0448	.3282	32.28	3.562	5.973	.8460
#3	.0111	.0439	.3260	32.29	3.669	5.955	.8476
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.6131	.0251	.2941	-.0210	.0071	L-.0250
SDev	.0028	.0247	.0032	.0196	.0121	.0076	.0066
%RSD	126.8	4.025	12.57	6.673	57.52	106.4	25.48
#1	.0048	.5853	.0216	.2717	-.0295	.0043	-.0188
#2	.0026	.6324	.0275	.3025	-.0072	.0157	L-.0319
#3	-.0008	.6217	.0263	.3082	-.0262	.0013	L-.0271
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0569	.1284					
SDev	.0026	.0007					
%RSD	4.483	.5295					
#1	.0541	.1288					
#2	.0575	.1288					
#3	.0591	.1276					
Errors	LC Pass	LC Pass					

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Analysis Report

Sat 09-17-94 03:20:19 AM

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Method: CLPMO Sample Name: 4605-27

Operator:

Run Time: 09/17/94 03:13:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	23.91	.0424	.4684	.0177	73.24	.0015
SDev	.0035	.04	.0169	.0008	.0001	.55	.0014
%RSD	219.5	.1733	39.83	.1648	.3712	.7044	95.27
#1	.0053	23.92	.0613	.4675	.0177	78.81	.0031
#2	-.0016	23.95	.0369	.4689	.0177	78.19	.0010
#3	.0010	23.86	.0289	.4689	.0176	77.71	.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-.5.000	-.2050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0148	.0460	.5469	38.99	4.472	6.491	.9622
SDev	.0013	.0015	.0030	.12	.060	.047	.0031
%RSD	8.926	3.335	.5405	.3077	1.333	.7076	.3144
#1	.0158	.0463	.5494	39.10	4.540	6.743	.9721
#2	.0133	.0473	.5436	38.99	4.428	6.681	.9684
#3	.0152	.0443	.5476	38.86	4.449	6.650	.9660
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-1.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033	.7280	.0296	.1359	-.0156	.0073	L-.0438
SDev	.0020	.0255	.0024	.0062	.0142	.0337	.0111
%RSD	60.95	3.507	8.003	3.325	90.49	433.9	23.96
#1	.0056	.7565	.0322	.1926	-.0008	-.0183	L-.0493
#2	.0026	.7201	.0276	.1846	-.0290	.0458	L-.0565
#3	.0017	.7073	.0289	.1805	-.0171	-.0043	L-.0345
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0690	.1504					
SDev	.0033	.0018					
%RSD	4.778	1.217					
#1	.0726	.1513					
#2	.0661	.1483					
#3	.0684	.1516					
Errors	LC Pass	LC Pass					

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Sat 09-17-94 03:20:19 AM

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Analysis Report

Sat 09-17-94 03:27:28 AM

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Method: CLPMO Sample Name: 4605-28
 Run Time: 09/17/94 03:20:23
 Comment:
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0024	36.32	.0485	.5372	.0086	35.58	.0048
SDev	.0016	.49	.0157	.0075	.0001	.19	.0006
%RSD	66.12	1.343	32.30	1.402	.9041	.5478	12.44
#1	-.0033	36.39	.0438	.5458	.0086	35.57	.0055
#2	-.0006	36.05	.0660	.5318	.0086	35.77	.0044
#3	-.0034	36.03	.0357	.5339	.0087	35.38	.0044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0171	.0335	.2310	37.43	6.923	7.610	1.064
SDev	.0026	.0054	.0020	.16	.099	.040	.005
%RSD	15.47	16.15	.8572	.4256	1.424	.5222	.4493
#1	.0141	.0273	.2290	37.60	7.034	7.653	1.069
#2	.0190	.0357	.2311	37.42	6.889	7.602	1.064
#3	.0182	.0375	.2329	37.28	6.846	7.575	1.059
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-1.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1002
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.4979	.0329	.1367	-.0274	-.0173	L-.0701
SDev	.0061	.0086	.0045	.0239	.0137	.0424	.0016
%RSD	314.4	1.737	13.60	17.47	49.95	271.8	5.267
#1	-.0026	.4965	.0278	.1156	-.0205	.0254	L-.0820
#2	-.0005	.5072	.0360	.1626	L-.0432	-.0087	L-.0798
#3	.0089	.4901	.0350	.1319	-.0186	L-.0701	L-.0732
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0672	.1710					
SDev	.0024	.0000					
%RSD	3.585	.0173					
#1	.0654	.1710					
#2	.0700	.1710					
#3	.0664	.1710					
Errors	LC Pass	LC Pass					

Analysis Report

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Analysis Report

Sat 09-17-94 03:34:45 AM

Page 1

Method: CLPMO Sample Name: 4605-29

Operator:

Run Time: 09/17/94 03:27:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ce3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	18.52	.0673	.5084	.0075	192.4	.0035
SDev	.0031	.16	.0027	.0046	.0001	1.0	.0003
%RSD	2658.	.8690	4.079	.8945	1.421	.5387	10.01
#1	.0001	18.33	.0655	.5032	.0074	191.4	.0035
#2	-.0030	18.64	.0704	.5112	.0076	192.1	.0039
#3	.0033	18.57	.0659	.5109	.0076	193.5	.0031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mn2790	Mn2076
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0130	.0586	.6249	38.87	2.639	7.431	.9147
SDev	.0008	.0039	.0051	.22	.038	.045	.0045
%RSD	5.929	6.711	.8135	.5765	1.440	.6077	.4911
#1	.0135	.0561	.6194	38.63	2.608	7.431	.9099
#2	.0121	.0565	.6258	38.91	2.629	7.496	.9152
#3	.0134	.0631	.6295	39.07	2.682	7.518	.9139
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	20.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1009
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056	.7258	.0499	.1514	-.0074	.0089	-.0003
SDev	.0004	.0044	.0033	.0276	.0107	.0273	.0157
%RSD	7.498	.6138	6.608	18.25	145.1	307.7	162.4
#1	.0060	.7244	.0524	.1690	-.0017	-.0181	.0088
#2	.0052	.7223	.0461	.1196	-.0198	.0082	-.0137
#3	.0056	.7308	.0511	.1657	-.0007	.0366	-.0191
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0050
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0804	.1166					
SDev	.0009	.0005					
%RSD	1.168	.4126					
#1	.0804	.1171					
#2	.0794	.1165					
#3	.0813	.1162					
Errors	LC Pass	LC Pass					

Analysis Report

Sat 09-17-94 03:34:45 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 03:41:54 AM

page 1

Method: CLPMO Sample Name: 4605-30

Operator:

Run Time: 09/17/94 03:34:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0042	48.17	.0425	.5179	.0099	39.05	.0034
SDev	.0010	.27	.0056	.0029	.0001	.17	.0010
%RSD	24.16	.5530	13.13	.5643	.7113	.4453	22.54
#1	-.0040	48.25	.0362	.5174	.0100	39.13	.0041
#2	-.0034	48.39	.0468	.5210	.0099	39.16	.0023
#3	-.0054	47.87	.0446	.5152	.0099	39.25	.0037
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0159	.0318	.1611	42.62	7.099	8.031	.9585
SDev	.0016	.0006	.0027	.11	.212	.035	.0019
%RSD	10.05	1.792	1.679	.2467	2.993	.4386	.2021
#1	.0178	.0320	.1620	42.59	7.219	8.009	.9587
#2	.0152	.0323	.1632	42.73	7.225	8.072	.9603
#3	.0148	.0312	.1581	42.53	6.854	8.012	.9564
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.5703	.0295	.1147	-.0131	.0123	L-.0524
SDev	.0038	.0103	.0017	.0200	.0256	.0166	.0091
%RSD	245.9	1.809	5.887	17.41	196.5	134.4	17.35
#1	-.0027	.5821	.0315	.0920	L-.0360	.0130	L-.0454
#2	.0045	.5628	.0288	.1296	.0146	.0286	L-.0491
#3	.0028	.5660	.0282	.1224	-.0177	-.0045	L-.0627
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0749	.1413					
SDev	.0003	.0021					
%RSD	.4593	1.470					
#1	.0751	.1395					
#2	.0745	.1409					
#3	.0750	.1436					
Errors	LC Pass	LC Pass					
High	10.00	10.00					
Low	-.0100	-.0100					

Analysis Report

Sat 09-17-94 03:41:54 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 03:49:03 AM

page 1

Method: CLPMO Sample Name: 4605-31

Operator:

Run Time: 09/17/94 03:41:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0045	67.32	.0752	.7700	.0064	12.43	.0030
SDev	.0033	.96	.0147	.0135	.0001	.00	.0001
%RSD	73.76	1.424	19.52	1.748	1.250	.6369	15.22
#1	-.0007	66.35	.0795	.7569	.0063	12.44	.0047
#2	-.0063	68.27	.0588	.7838	.0064	12.42	.0032
#3	-.0065	67.34	.0872	.7692	.0064	12.57	.0041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2574
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0340	.0545	.0896	69.87	10.59	9.469	2.045
SDev	.0013	.0060	.0032	.53	.23	.068	.013
%RSD	3.812	10.96	3.531	.7594	2.155	.7197	.6601
#1	.0337	.0526	.0877	69.26	10.33	9.390	2.029
#2	.0329	.0497	.0877	70.13	10.65	9.506	2.052
#3	.0354	.0612	.0932	70.21	10.77	9.511	2.053
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0053	.5989	.0466	.1179	-.0027	-.0000	L-.0000
SDev	.0028	.0233	.0034	.0215	.0073	.0216	.0170
%RSD	53.35	3.883	7.219	18.21	269.7	924.7	14.02
#1	.0027	.6163	.0478	.1427	-.0108	.0111	L-.0881
#2	.0049	.5725	.0428	.1054	-.0008	-.0271	L-.1143
#3	.0083	.6078	.0492	.1056	.0034	.0094	L-.0947
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1310	.1545					
SDev	.0014	.0018					
%RSD	1.049	1.188					
#1	.1303	.1536					
#2	.1326	.1532					
#3	.1301	.1566					
Errors	LC Pass	LC Pass					

Analysis Report

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 03:56:10 AM

Page: 1

Method: CLPMO Sample Name: 4605-32

Operator:

Run Time: 09/17/94 03:49:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0049	84.66	.0634	1.594	.0063	26.47	.0044
SDev	.0011	.62	.0164	.013	.0001	.31	.0009
%RSD	23.05	.7349	25.81	.8427	1.044	1.152	19.66
#1	-.0058	83.94	.0465	1.578	.0062	26.12	.0043
#2	-.0036	85.00	.0647	1.602	.0063	26.65	.0036
#3	-.0052	85.04	.0792	1.601	.0064	26.65	.0053
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0229	.0513	.0508	67.25	15.54	16.86	1.242
SDev	.0012	.0019	.0038	.58	.30	.15	.0009
%RSD	5.216	3.749	7.391	.8638	1.947	.8723	.7088
#1	.0216	.0515	.0467	66.58	15.20	16.69	1.230
#2	.0230	.0531	.0518	67.54	15.68	16.90	1.247
#3	.0240	.0493	.0540	67.63	15.75	16.97	1.217
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	5.537	.0508	.0624	-.0120	-.0191	L-.0502
SDev	.0026	.091	.0026	.0261	.0207	.0143	.0055
%RSD	83.24	1.632	5.050	41.81	172.0	74.85	10.27
#1	.0008	5.483	.0533	.0821	L-.0321	L-.0355	L-.0572
#2	.0060	5.651	.0482	.0721	-.0131	-.0099	L-.0471
#3	.0026	5.628	.0508	.0328	.0092	-.0118	L-.0482
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1050	.1597					
SDev	.0020	.0005					
%RSD	1.936	.3273					
#1	.1027	.1603					
#2	.1058	.1595					
#3	.1065	.1594					
Errors	LC Pass	LC Pass					

Analysis Report

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Low -.0500 -.0200

Method: CLPMO

Sample Name: CCV

Operator:

Run Time: 09/17/94 03:56:14

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3230	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	01.116	21.66	1.055	022.27	.5298	.0195	.5186
SD	.013	.29	.020	.40	.0049	.0089	.0050
%RSD	1.129	1.316	1.397	1.800	.9177	47.99	.9575

#1	01.104	21.38	1.056	21.86	.5246	.0273	.5144
#2	01.114	21.66	1.034	022.31	.5304	.0175	.5170
#3	01.129	21.95	1.074	022.66	.5343	.0101	.5040

Errors	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.210	1.050	2.737	10.46	.1641	-.0212	1.585
SD	.049	.013	.034	.10	.0594	.0022	.016
%RSD	.9364	1.232	1.238	1.002	36.22	10.63	1.019

#1	5.180	1.041	2.699	10.37	.2225	-.0186	1.571
#2	5.184	1.045	02.750	10.44	.1661	-.0225	1.580
#3	5.266	1.065	02.763	10.57	.1037	-.0224	1.603

Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.045	-.0713	4.119	.5140	-.0148	5.000	1.054
SD	.017	.0124	.035	.0236	.0170	.070	.031
%RSD	1.621	17.39	.8489	4.596	114.7	1.350	2.937

#1	1.026	-.0653	4.099	.5382	.0044	5.252	1.036
#2	1.050	-.0856	4.098	.4909	-.0279	5.240	1.041
#3	1.059	-.0631	4.159	.5131	-.0209	5.375	1.092

Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00

Elem	V_2924	Zn2138
Units	ppm	ppm
Avg	5.314	2.084
SD	.054	.018
%RSD	1.025	.8731

#1	5.262	2.070
#2	5.308	2.078
#3	5.371	2.105

Errors	QC Pass	QC Pass
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Analysis Report

QC Standard

Sat 09-17-94 04:03:12 AM

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Range 10.00 10.00

Method: CLPMO

Sample Name: CCVAG

Operator:

Run Time: 09/17/94 04:03:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.082	.0076	.0036	.0080	.0002	51.72	.0074
SD	.008	.0125	.0063	.0034	.0001	.30	.0001
%RSD	.7686	165.0	173.6	42.08	45.81	.5896	1.743
#1	1.082	.0219	.0088	.0116	.0003	51.92	.0074
#2	1.073	-.0010	-.0034	.0075	.0002	51.37	.0075
#3	1.090	.0018	.0055	.0050	.0001	51.97	.0072
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0040	.0018	.0093	955.41	52.90	-.0007
SD	.0010	.0043	.0054	.0031	.96	.39	.0003
%RSD	90.79	107.4	296.4	33.72	1.556	.7472	41.70
#1	.0008	.0035	-.0020	.0118	955.72	52.93	-.0004
#2	.0022	.0085	.0080	.0103	54.44	52.35	-.0008
#3	.0002	-.0000	-.0005	.0058	956.07	53.11	-.0010
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Fail	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0020	956.55	.0016	-.0041	5.333	.0174	.0133
SD	.0031	.82	.0023	.0123	.036	.0000	.0140
%RSD	155.0	1.452	180.4	309.4	.6732	51.91	105.0
#1	-.0035	956.58	.0043	-.0188	5.317	.0278	-.0017
#2	.0016	955.72	.0017	.0022	5.307	.0122	.0259
#3	-.0040	957.36	-.0013	.0042	5.374	.0121	.0156
Errors	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0025	.0034					
SD	.0018	.0007					
%RSD	70.96	19.33					
#1	.0033	.0035					
#2	.0038	.0028					
#3	.0005	.0041					
Errors	NOCHECK	NOCHECK					

Analysis Report

QC Standard

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Range

Analysis Report

QC Standard

Sat 09-17-94 04:17:35 AM

Page 1

Method: CLPMO

Sample Name: CCB

Operator:

Run Time: 09/17/94 04:10:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0547	.0038	.0080	.0001	.0333	.0007
SD	.0005	.0156	.0028	.0002	.0001	.0006	.0013
%RSD	30.39	28.52	74.65	2.138	100.5	28.49	194.4
#1	.0019	.0570	.0035	.0022	.0001	.0446	.0000
#2	.0021	.0690	.0011	.0079	.0001	.0307	.0002
#3	.0011	.0381	.0067	.0079	-.0000	.0261	.0022
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0043	.0017	.0629	.0090	.0283	-.0020
SD	.0007	.0017	.0025	.0003	.0530	.0301	.0009
%RSD	1463.	38.39	142.6	1.197	645.4	106.5	39.64
#1	.0007	.0038	.0044	.0629	.0753	.0053	-.0028
#2	-.0001	.0062	.0013	.0621	-.0322	.0172	-.0026
#3	-.0008	.0030	-.0005	.0636	-.0161	.0623	.0012
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0013	-.0514	.0014	.0110	-.0020	.0117	.0023
SD	.0032	.0208	.0014	.0230	.0059	.0166	.0107
%RSD	251.1	40.56	99.52	208.0	296.4	142.6	458.1
#1	.0020	-.0674	.0026	0.0352	-.0057	.0300	-.0027
#2	-.0014	-.0589	.0017	-.0105	.0048	.0075	.0020
#3	-.0044	-.0278	-.0001	.0084	-.0050	-.0025	.0128
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0001	-.0007					
SD	.0016	.0004					
%RSD	1787.	54.51					
#1	-.0013	-.0008					
#2	.0010	-.0003					
#3	.0010	-.0010					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					
Range	.0010	.0010					

Analysis Report

QC Standard

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Range .0500 .0200

Analysis Report

Sat 09-17-94 04:24:43 AM

page 1

Method: CLPMO Sample Name: 4605-33

Operator:

Run Time: 09/17/94 04:17:39

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0041	77.70	.0764	.7912	.0049	10.47	.0069
SDcv	.0035	.64	.0145	.0082	.0001	.09	.0004
%RSD	35.06	.8283	18.98	1.034	2.930	.9774	9.203
#1	-.0032	78.02	.0927	.7948	.0051	10.56	.0064
#2	-.0011	76.96	.0716	.7818	.0049	10.46	.0076
#3	-.0079	78.12	.0649	.7970	.0048	10.38	.0067
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0359	.0570	.1066	67.54	13.65	11.17	1.755
SDcv	.0036	.0062	.0047	.35	.16	.05	.009
%RSD	10.07	10.94	4.450	.5189	1.188	.4175	.5011
#1	.0383	.0523	.1094	67.91	13.83	11.02	1.764
#2	.0377	.0641	.1094	67.21	13.63	11.13	1.746
#3	.0317	.0546	.1011	67.51	13.50	11.15	1.754
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0040	.2575	.0444	.1822	-.0101	-.0035	L-.0739
SDcv	.0068	.0309	.0022	.0268	.0206	.0103	.0200
%RSD	169.0	3.605	4.987	14.62	203.6	120.6	25.66
#1	-.0016	.8742	.0461	.1992	.0135	-.0181	L-.0212
#2	.0115	.8764	.0453	.1961	-.0196	-.0092	L-.0556
#3	.0022	.8218	.0419	.1514	-.0243	.0023	L-.0392
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avgc	.1353	.1503					
SDcv	.0014	.0016					
%RSD	1.029	1.082					
#1	.1362	.1519					
#2	.1360	.1503					
#3	.1337	.1486					
Errors	LC Pass	LC Pass					

Analysis Report

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 04:31:50 AM

page 1

Method: CLPMO

Sample Name: 4605-34

Operator:

Run Time: 09/17/94 04:24:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3172	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0040	145.3	.2043	2.121	.0042	74.46	.0151
SD	.0022	1.8	.0134	.031	.0001	.91	.0007
%RSD	55.12	1.262	6.538	1.472	1.389	1.216	4.915

#1	-.0065	145.1	.2079	2.118	.0043	74.15	.0150
#2	-.0029	143.5	.1901	2.092	.0042	73.75	.0144
#3	-.0026	147.2	.2163	2.154	.0043	75.48	.0150

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-.5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0640	.3784	.1904	150.4	22.26	68.95	2.510
SD	.0003	.0058	.0012	1.8	.46	.77	.007
%RSD	.5351	1.535	.6459	1.192	2.032	1.115	1.002

#1	.0638	.3718	.1891	149.9	22.18	68.80	2.514
#2	.0644	.3808	.1915	148.9	21.83	68.27	2.496
#3	.0638	.3826	.1906	152.4	22.75	69.79	2.549

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	20.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0070

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2062	Se1960	Tl1902
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	4.103	.3879	.0865	-.0008	.0412	L-.0589
SD	.0056	.071	.0015	.0147	.0211	.0262	.0036
%RSD	122.1	1.725	.4003	17.03	2624.	63.67	40.07

#1	-.0018	4.075	.3861	.0811	-.0120	.0200	L-.0803
#2	.0083	4.051	.3888	.0752	-.0139	.0330	L-.0607
#3	.0072	4.184	.3888	.1032	.0235	.0705	L-.0376

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0330	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avg	.3815	.4781
SD	.0049	.0047
%RSD	1.275	.9748

#1	.3796	.4800
#2	.3779	.4729
#3	.3871	.4816

Errors	LC Pass	LC Pass
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Analysis Report

Sat 09-17-94 04:31:50 AM

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 04:33:58 AM

page 1

Method: CLPMO Sample Name: 4605-35

Operator:

Run Time: 09/17/94 04:31:54

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1548	105.4	3.266	1.784	.0061	20.78	.1104
SD	.0005	.4	.025	.008	.0001	.11	.0006
%RSD	.3099	.3653	.7558	.4725	1.132	.5196	.5207
#1	.1549	105.5	3.294	1.783	.0062	20.84	.1110
#2	.1543	104.9	3.252	1.776	.0061	20.84	.1098
#3	.1552	105.7	3.252	1.793	.0060	20.65	.1104
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0489	.0751	15.65	139.7	29.02	28.25	H44.53
SD	.0025	.0040	.08	.2	.29	.09	.11
%RSD	5.193	5.396	.5058	.1523	1.007	.3322	.2543
#1	.0502	.0744	15.65	139.8	29.29	28.34	H44.62
#2	.0506	.0794	15.57	139.9	28.71	28.25	H44.57
#3	.0460	.0713	15.72	139.5	29.06	28.15	H44.40
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2063	Se1860	Te1000
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0878	3.323	.0588	H27.50	.0242	.0023	L-.7037
SD	.0045	.049	.0013	.13	.0135	.0430	.0121
%RSD	5.080	1.469	2.167	.4595	54.72	1971.	1.673
#1	.0899	3.350	.0593	H27.59	.0318	.0450	L-.7062
#2	.0907	3.267	.0598	H27.57	.0334	.0022	L-.6904
#3	.0826	3.352	.0574	H27.36	.0091	L-.0409	L-.7139
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0050
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.2608	31.70					
SD	.0019	.01					
%RSD	.7393	.0450					
#1	.2625	31.71					
#2	.2587	31.70					
#3	.2613	31.68					
Errors	LC Pass	LC Pass					

Analysis Report

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Low -.0500 -.0200

Analysis Report

Sat 09-17-94 04:46:15 AM

page 1

Method: CLPMO Sample Name: 4605-36

Operator:

Run Time: 09/17/94 04:39:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0154	96.07	.6033	1.017	.0051	106.9	.0075
SDev	.0026	.97	.0195	.010	.0001	1.2	.0075
%RSD	17.08	1.012	3.239	1.030	2.124	1.121	1.694
#1	.0124	96.70	.6242	1.020	.0052	108.0	.2087
#2	.0170	94.95	.5854	1.005	.0052	105.6	.2037
#3	.0169	96.55	.6004	1.025	.0050	107.9	.2102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0448	.0981	.6093	107.3	23.69	38.77	2.641
SDev	.0001	.0020	.0058	1.0	.44	.39	.002
%RSD	.3315	1.996	.9495	.9016	1.876	.9990	1.040
#1	.0449	.0994	.6152	108.1	24.01	39.11	2.660
#2	.0446	.0990	.6036	106.3	23.19	38.35	2.614
#3	.0448	.0958	.6091	107.6	23.87	39.86	2.641
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	20.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0050
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054	1.405	.0820	H5.864	.0032	.0169	L-.0924
SDev	.0040	.021	.0009	.078	.0071	.0416	.0159
%RSD	74.62	1.521	1.124	1.331	225.6	244.3	10.37
#1	.0016	1.416	.0829	H5.950	-.0001	-.0194	L-.0701
#2	.0096	1.320	.0822	H5.797	-.0018	.0081	L-.1003
#3	.0050	1.419	.0810	H5.844	.0113	.0621	L-.0766
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Low
High	10.00	1000.	20.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2132					
Units	ppm	ppm					
Avg	.2402	1.661					
SDev	.0016	.015					
%RSD	.6510	.8789					
#1	.2417	1.677					
#2	.2385	1.648					
#3	.2403	1.659					
Errors	LC Pass	LC Pass					

Analysis Report

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Low -.0500 -.0200

Analysis Report

QC Standard

Sat 09-17-94 04:53:22 AM

page 1

Method: CLPMO

Sample Name: ICSEA

Operator:

Run Time: 09/17/94 04:46:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2255
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038	535.9	-.0185	.0242	.0001	437.9	.0266
SDev	.0019	4.3	.0226	.0002	.0001	2.3	.0015
%RSD	48.56	.8073	122.4	.7099	96.28	.5820	1.743
#1	.0022	540.2	-.0442	.0240	.0000	436.0	.0272
#2	.0034	531.5	-.0096	.0243	.0001	435.7	.0271
#3	.0058	535.8	-.0016	.0243	.0002	491.1	.0249
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0079	.0325	132.7	-.2713	540.1	.0101
SDev	.0004	.0067	.0020	.8	.0780	2.3	.0009
%RSD	22.63	84.28	6.027	.4574	28.74	.4350	4.192
#1	.0014	.0026	.0302	182.8	-.3602	540.6	.0205
#2	.0016	.0058	.0333	181.9	-.2142	537.3	.0191
#3	.0022	.0155	.0339	183.5	-.2397	542.5	.0191
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.0		500.0	
Range				20.00		20.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2063	Se1960	Tl1903
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.2297	.0089	.0270	-.0295	-.1401	.0858
SDev	.0076	.0113	.0022	.0162	.0126	.0118	.0372
%RSD	576.2	4.937	24.14	62.40	42.66	3.430	43.37
#1	.0036	.2418	.0094	.0214	-.0377	-.1455	.0445
#2	-.0071	.2194	.0066	.0459	-.0357	-.1065	.1168
#3	.0075	.2279	.0108	.0136	-.0150	-.1482	.0961
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0174	.0299					
SDev	.0015	.0002					
%RSD	2.697	.5736					
#1	.0159	.0298					
#2	.0172	.0300					
#3	.0189	.0301					
Errors	NOCHECK	NOCHECK					
Value							
Range							

Analysis Report

QC Standard

Sat 02-17-94 04:33:22 AM

Page 2

Range

Method: CLPMO Sample Name: ICSAB

Operator:

Run Time: 09/17/94 04:53:26

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.018	533.5	1.009	.5145	.4891	488.6	1.004
SDev	.004	2.1	.046	.0024	.0026	2.8	.004
%RSD	.4360	.3929	4.589	.4667	.5295	.5644	.5766
#1	1.021	533.1	.9797	.5149	.4884	488.2	1.004
#2	1.013	531.5	.9842	.5119	.4870	486.1	.9976
#3	1.020	535.7	1.062	.5167	.4920	491.1	1.000
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	500.0	1.000	.5000	.5000	500.0	1.000
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2571
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4613	.4691	.5479	182.3	-.3137	539.9	.4676
SDev	.0018	.0060	.0041	.9	.0505	2.7	.0024
%RSD	.3816	1.271	.7473	.5126	16.10	.4941	.5004
#1	.4602	.4760	.5467	182.0	-.2560	539.3	.4877
#2	.4604	.4661	.5446	181.5	-.3352	537.6	.4851
#3	.4633	.4653	.5525	183.3	-.3499	542.2	.4899
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.5000	.5000	.5000	200.0		500.0	.5000
Range	20.00	20.00	20.00	20.00		20.00	20.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1909
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9326	1.340	.9147	.9917	1.020	4.290	.9600
SDev	.0087	.018	.0043	.0156	.022	.069	.0026
%RSD	.9374	1.358	.4697	1.574	2.158	1.421	2.374
#1	.9414	1.321	.9158	1.006	.9947	4.267	.9509
#2	.9239	1.340	.9100	.9753	1.033	4.833	.9940
#3	.9326	1.358	.9184	.9934	1.032	4.870	.9572
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000		1.000	1.000	1.000	5.000	1.000
Range	20.00		20.00	20.00	20.00	20.00	20.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.4910	1.014					
SDev	.0012	.004					
%RSD	.2373	.3596					
#1	.4916	1.014					
#2	.4896	1.010					
#3	.4916	1.013					
Errors	QC Pass	QC Pass					

Analysis Report

QC Standard

Sat 09-17-94 05:00:39 AM

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Range 20.00 20.00

Analysis Report

QC Standard

Sat 09-17-94 05:07:46 AM

page 1

Method: CLPMO

Sample Name: CRI

Operator:

Run Time: 09/17/94 05:00:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0243	.2383	.0233	0.0012	.0108	.2120	.0116
SDev	.0021	.0836	.0101	.0008	.0000	.0985	.0010
%RSD	8.433	35.08	43.33	71.08	.3832	46.46	2.323
#1	.0219	.3316	0.0117	0.0005	.0108	.3131	.0105
#2	0.0257	.2132	0.0303	0.0021	.0109	.1945	.0120
#3	0.0252	.1702	0.0278	0.0009	.0108	.1235	.0127

Errors	QC Pass	NOCHECK	QC Pass	QC Fail	QC Pass	NOCHECK	QC Pass
Value	.0200		.0200	.2000	.0100		.0100
Range	25.00		25.00	25.00	25.00		25.00

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1094	.0208	.0567	.0911	.0411	.2062	.0295
SDev	.0029	.0036	.0032	.0396	.0389	.0980	.0002
%RSD	2.620	17.34	5.603	43.50	94.73	47.50	.6279
#1	.1062	.0173	.0546	.1339	.0213	.3132	.0295
#2	.1117	.0206	.0604	.0836	.0859	.1846	.0297
#3	.1103	.0245	.0552	.0558	.0160	.1209	.0293

Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	.1000	.0200	.0500				.0300
Range	25.00	25.00	25.00				25.00

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0201	-.0407	.0873	.1182	0.0891	0.0055	0.0274
SDev	.0002	.0195	.0018	.0216	.0245	.0148	.0155
%RSD	1.210	48.02	2.034	18.32	27.49	301.4	56.62
#1	.0199	-.0631	.0855	.0970	0.0632	0-.0021	.0217
#2	.0203	-.0310	.0872	.1172	.0921	0.0244	0.0440
#3	.0203	-.0278	.0891	0.1403	.1119	0-.0059	.0155

Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Fail	QC Fail	QC Fail
Value	.0200		.0800	.1060	.1200	.0100	.0200
Range	25.00		25.00	25.00	25.00	25.00	25.00

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.1095	.0410
SDev	.0011	.0010
%RSD	1.028	2.548

#1	.1086	.0422
#2	.1092	.0405
#3	.1108	.0403

Errors	QC Pass	QC Pass
Value		
Range		

Analysis Report

QC Standard

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Range 25.00 25.00

Analysis Report

QC Standard

Sat 09-17-94 05:14:54 AM

page 1

Method: CLPMO

Sample Name: CCV

Operator:

Run Time: 09/17/94 05:07:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	01.109	21.55	1.048	022.02	.5279	.0275	.5173
SDev	.003	.08	.018	.06	.0010	.0027	.0020
%RSD	.2615	.3624	1.753	.2692	.1941	9.938	.3820
#1	01.109	21.47	1.040	21.96	.5291	.0298	.5151
#2	01.106	21.54	1.035	022.02	.5273	.0282	.5177
#3	01.111	21.63	1.069	022.08	.5274	.0245	.5190
Errors	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	NOCHECK	QC Pass
Value	1.000	20.00	1.000	20.00	.5000		.5000
Range	10.00	10.00	10.00	10.00	10.00		10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.216	1.051	2.716	10.43	.1626	-.0026	1.580
SDev	.010	.003	.002	.01	.0400	.0023	.003
%RSD	.1916	.2651	.0795	.1154	24.58	28.60	.1824
#1	5.214	1.055	2.714	10.43	.1318	.0001	1.581
#2	5.207	1.049	2.716	10.42	.1482	-.0040	1.577
#3	5.227	1.051	2.718	10.44	.2077	-.0039	1.583
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.000	1.000	2.500	10.00			1.500
Range	10.00	10.00	10.00	10.00			10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.049	-.0596	4.133	.5089	-.0036	5.294	1.047
SDev	.003	.0211	.011	.0341	.0062	.022	.016
%RSD	.2446	35.45	.2761	6.703	172.0	.4185	1.525
#1	1.052	-.0738	4.132	.4767	-.0094	5.287	1.028
#2	1.047	-.0696	4.122	.5054	-.0043	5.276	1.059
#3	1.049	-.0353	4.145	.5446	.0029	5.319	1.041
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.000		4.000	.5000		5.000	1.000
Range	10.00		10.00	10.00		10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	5.302	2.081					
SDev	.006	.003					
%RSD	.1092	.1407					
#1	5.299	2.078					
#2	5.297	2.082					
#3	5.308	2.083					
Errors	QC Pass	QC Pass					
Value							
Range							

Analysis Report

QC Standard

Sat 09-17-94 05:14:54 AM

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Range 10.00 10.00

Analysis Report

QC Standard

Sat 09-17-94 05:22:03 AM

Page 1

Method: CLPMO

Sample Name: CCVAG

Operator:

Run Time: 09/17/94 05:14:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Ba3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.076	.0143	.0016	.0082	.0003	52.20	.0085
SDev	.004	.0202	.0164	.0042	.0001	.24	.0020
%RSD	.3811	141.7	1014.	51.47	43.92	.4616	23.09
#1	1.075	.0272	-.0025	.0128	.0004	52.17	.0085
#2	1.072	.0246	.0197	.0073	.0003	52.45	.0104
#3	1.080	-.0090	-.0124	.0045	.0001	51.97	.0065
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	.0064	.0042	.0150	54.35	52.95	.0004
SDev	.0023	.0033	.0027	.0031	.51	.07	.0007
%RSD	125.8	51.83	63.93	20.82	.9367	.1254	173.7
#1	.0035	.0032	.0034	.0185	54.06	52.95	.0000
#2	.0028	.0099	.0071	.0140	54.05	53.02	.0000
#3	-.0008	.0062	.0019	.0125	54.94	52.89	-.0012
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mn2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	955.23	.0037	.0086	5.315	.0183	.0101
SDev	.0049	.74	.0051	.0159	.010	.0308	.0111
%RSD	1729.	1.334	139.0	185.6	.1830	163.5	109.4
#1	.0045	54.88	.0007	-.0003	5.308	.0174	.0105
#2	-.0001	54.74	.0096	.0269	5.310	.0503	.0210
#3	-.0053	956.02	.0008	-.0009	5.326	-.0112	-.0011
Errors	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0033	.0043					
SDev	.0006	.0009					
%RSD	19.61	20.75					
#1	.0041	.0052					
#2	.0030	.0040					
#3	.0029	.0035					
Errors	NOCHECK	NOCHECK					

Analysis Report

QC Standard

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Range

Analysis Report

QC Standard

Sat 09-17-94 05:29:11 AM

page 1

Method: CLPM0

Sample Name: CCB

Operator:

Run Time: 09/17/94 05:22:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0244	.0157	-.0639	.0043	-.0001	.1350	-.0024
SDev	.0167	.0532	.0976	.0027	.0001	.0840	.0054
%RSD	68.26	333.5	152.6	63.71	87.76	62.26	222.4
#1	.0053	.0772	Q-.1765	.0075	.0000	.0380	Q-.0027
#2	Q.0319	-.0157	-.0101	.0027	-.0002	.1875	.0003
#3	Q.0360	-.0143	-.0052	.0027	-.0002	.1793	.0011
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0022	-.0007	-.0057	.0378	.0071	.0376	-.0022
SDev	.0022	.0031	.0034	.0347	.1437	.1633	.0026
%RSD	101.1	424.8	60.37	91.84	2097.	448.3	20.41
#1	-.0040	-.0013	-.0078	.0779	-.1505	-.1566	-.0070
#2	.0002	-.0035	-.0017	.0163	.1450	.1430	-.0014
#3	-.0027	.0026	-.0075	.0193	.0268	.1260	-.0014
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2063	Se1940	Tl1009
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0017	.1858	-.0146	-.0139	-.0379	-.0060	-.0021
SDev	.0041	.3417	.0300	.0328	.0343	.0125	.0011
%RSD	237.7	183.9	205.4	237.0	90.53	121.0	23.00
#1	-.0057	-.2087	Q-.0492	Q-.0495	Q-.0774	.0010	-.0023
#2	.0024	.3916	.0036	.0152	-.0150	-.0212	-.0011
#3	-.0018	.3745	.0018	-.0072	-.0214	-.0004	-.0174
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	-.0005	.0066					
SDev	.0009	.0060					
%RSD	172.7	91.72					
#1	-.0007	-.0003					
#2	.0005	.0093					
#3	-.0013	.0107					
Errors	QC Pass	QC Pass					

Analysis Report

QC Standard

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Range .0500

.0200



ICP Run Log

SDG No. _____

Lot No. _____

4664, 4665, 4666, 4667

Instrument I.D.: T Date: 9-18-84 Analyst: RM

Method: CLP Mo File/Archive I.D.: T09184A

All Run QC Good?: Yes (No) Accept All Data?: Yes (No)

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	78509124 ✓		05 ✓			
2		7820916E ✓					
3		LC5W0916E ✓					
4		4664-01L ✓					Use Na from -01L.
5		-01					
6		-01F					
7		-02D	5	CV ✓			Use Na
8		-02					Do not use Na
9		-03D	5				Use Na
10		-03					Do not use Na
11		4665-23					+ Ag, + Pb, + K, + Na
12		-24					
13		-25					
14		-26					
15		-27					
16		-28					
17		LM 7874 -29		CV			
18		-30					
19		-31					
20		-32					

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV	8-130	CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
 OS (Opening Statement): CRI, ICSA, ICSAB
 CV (Continuing Verification): CCV, CCVAg, CCB
 CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
 1-ICV/CCV 4-Prep. Blank 7-Rep. 10-Dil/Rerun
 2-ICSAB 5-LCS 8-An. Spk. 11-Other
 3-ICB/CCB 6-MS 9-Sri. Dil. 12-Other

Review: 77

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ICP Run Log

SDG No. _____
Lot No. _____

4664, 4605, 4606, 4607

Instrument I.D.: _____ Date: 7-18-94 Analyst: Rm

Method: CLPMO File/Archive I.D.: 709174A

All Run QC Good?: Yes (No) Accept All Data?: Yes (No)

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run(1)	Analyst Rev. Fail Code(2)	Tech. Review	Comments
1	Y	4605-33		RM 9-9-94			+by, +30, +k, +A/a
2		-34					
3		-35D	20				Use Mn. Use Cont'd if needed
4		-35					Don't use Mn.
5		-36D	5				Use Cont. Pb if needed
6		-36					
7		PBS0914B		CU			*CCVAg. Round up to 45.0k.
8		LS50914B					
9		4605-40					
10		4606-01L					Use Mn. Cont'd RM 7-19-94
11		-01					
12		-01R					
13		-01S					Re 96%L; 2nd 107%R
14		-01A					Re 93%L; 2nd 99%R
15		-02					
16		-03					
17		-04		CU			
18		-05					
19		-06					
20	Y	-07					Do not use Mn. Pb D.I. RR 10X.

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV	8-130	CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
OS (Opening Statement): CRI, ICSA, ICSAB
CV (Continuing Verification): CCV, CCVAg, CCB
CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
1-ICV/CCV 4-Prep. Blank 7-Rep. 10-Dil/Rerun
2-ICSAB 5-LCS 8-An. Spk. 11-Other
3-ICB/CCB 6-MS 9-Srl. Dil. 12-Other

Review: _____

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ICP Run Log

SDG No. _____

Lot No. _____

4664, 4665, 4666, 4667

Instrument I.D.: T Date: 9-18-94 Analyst: RM

Method: CLP Mo File/Archive I.D.: T09124B

All Run QC Good?: Yes (No)

Accept All Data?: Yes (No)

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4667-01					
2		-02					
3		-03					
4		-04					
5		-05					
6		-06			CV ✓		
7					CS ✓		
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV	8-130	CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
 OS (Opening Statement): CRI, ICSA, ICSAB
 CV (Continuing Verification): CCV, CCVAg, CCB
 CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
 1-ICV/CCV 4-Prep. Blank 7-Rep. 10-Dil/Rerun
 2-ICSAB 5-LCS 8-An. Spk. 11-Other
 3-ICB/CCB 6-MS 9-Srl. Dil. 12-Other

Review: _____

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD1-Blank	T09184A	CLPMO	09/18/94	12:42	X	IR	
2	STD2	T09184A	CLPMO	09/18/94	12:49	X	IR	
3	STD3	T09184A	CLPMO	09/18/94	12:54	X	IR	
4	ICV	T09184A	CLPMO	09/18/94	13:07	Q	CONC	
5	ICB	T09184A	CLPMO	09/18/94	13:14	Q	CONC	
6	CRI	T09184A	CLPMO	09/18/94	13:21	Q	CONC	
7	ICSA	T09184A	CLPMO	09/18/94	13:28	Q	CONC	
8	ICSAB	T09184A	CLPMO	09/18/94	13:36	Q	CONC	
9	PBS0912A	T09184A	CLPMO	09/18/94	13:43	RM S	CONC	
10	PBW0916E	T09184A	CLPMO	09/18/94	13:50	RM S	CONC	
11	LCSW0916E	T09184A	CLPMO	09/18/94	13:57	RM Q	CONC	
12	4664-01LA	T09184A	CLPMO	09/18/94	14:04	RM S	CONC	
13	4664-01	T09184A	CLPMO	09/18/94	14:11	RM S	CONC	
14	4664-01F	T09184A	CLPMO	09/18/94	14:18	RM S	CONC	
15	4664-02D	T09184A	CLPMO	09/18/94	14:26	RM S	CONC	
16	CCV	T09184A	CLPMO	09/18/94	14:33	RM Q	CONC	
17	CCVAG	T09184A	CLPMO	09/18/94	14:40	RM Q	CONC	
18	CCB	T09184A	CLPMO	09/18/94	14:47	RM Q	CONC	
19	4664-02	T09184A	CLPMO	09/18/94	14:54	RM S	CONC	
20	4664-03D	T09184A	CLPMO	09/18/94	15:01	RM S	CONC	
21	4664-03	T09184A	CLPMO	09/18/94	15:09	RM S	CONC	
22	4605-23	T09184A	CLPMO	09/18/94	15:16	RM S	CONC	
23	4605-24	T09184A	CLPMO	09/18/94	15:23	RM S	CONC	
24	4605-25	T09184A	CLPMO	09/18/94	15:30	RM S	CONC	
25	4605-26	T09184A	CLPMO	09/18/94	15:37	RM S	CONC	
26	4605-27	T09184A	CLPMO	09/18/94	15:44	RM S	CONC	
27	4605-28	T09184A	CLPMO	09/18/94	15:51	RM S	CONC	
28	4605-29	T09184A	CLPMO	09/18/94	15:58	RM S	CONC	
29	CCV	T09184A	CLPMO	09/18/94	16:06	RM Q	CONC	
30	CCVAG	T09184A	CLPMO	09/18/94	16:13	RM Q	CONC	
31	CCB	T09184A	CLPMO	09/18/94	16:20	RM Q	CONC	
32	4605-30	T09184A	CLPMO	09/18/94	16:27	RM S	CONC	
33	4605-31	T09184A	CLPMO	09/18/94	16:35	RM S	CONC	
34	4605-32	T09184A	CLPMO	09/18/94	16:42	RM S	CONC	
35	4605-33	T09184A	CLPMO	09/18/94	16:49	RM S	CONC	
36	4605-34	T09184A	CLPMO	09/18/94	16:56	RM S	CONC	
37	4605-35D	T09184A	CLPMO	09/18/94	17:03	RM S	CONC	
38	4605-35	T09184A	CLPMO	09/18/94	17:10	RM S	CONC	
39	4605-36D	T09184A	CLPMO	09/18/94	17:18	RM S	CONC	
40	4605-36	T09184A	CLPMO	09/18/94	17:25	RM S	CONC	
41	PBS0914B	T09184A	CLPMO	09/18/94	17:32	RM S	CONC	
42	CCV	T09184A	CLPMO	09/18/94	17:39	RM Q	CONC	
43	CCVAG	T09184A	CLPMO	09/18/94	17:46	RM Q	CONC	
44	CCB	T09184A	CLPMO	09/18/94	17:53	RM Q	CONC	
45	LCSS0914B	T09184A	CLPMO	09/18/94	18:00	RM S	CONC	
46	4605-40	T09184A	CLPMO	09/18/94	18:08	RM S	CONC	
47	4606-01L	T09184A	CLPMO	09/18/94	18:15	RM S	CONC	
48	4606-01	T09184A	CLPMO	09/18/94	18:22	RM S	CONC	
49	4606-01R	T09184A	CLPMO	09/18/94	18:29	RM S	CONC	
50	4606-01S	T09184A	CLPMO	09/18/94	18:36	RM S	CONC	
51	4606-01A	T09184A	CLPMO	09/18/94	18:43	RM S	CONC	
52	4606-02	T09184A	CLPMO	09/18/94	18:50	RM S	CONC	
53	4606-03	T09184A	CLPMO	09/18/94	18:58	RM S	CONC	

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	4606-04	TD9184A	CLPMO	09/18/94	19:05	RM	S	CONC
55	CCV	TD9184A	CLPMO	09/18/94	19:12	RM	Q	CONC
56	CCVAG	TD9184A	CLPMO	09/18/94	19:19	RM	Q	CONC
57	CCB	TD9184A	CLPMO	09/18/94	19:26	RM	Q	CONC
58	4606-05	TD9184A	CLPMO	09/18/94	19:33	RM	S	CONC
59	4606-06	TD9184A	CLPMO	09/18/94	19:40	RM	S	CONC
60	4606-07	TD9184A	CLPMO	09/18/94	19:48	RM	S	CONC
61	4607-01	TD9184A	CLPMO	09/18/94	19:55	RM	S	CONC
62	4607-02	TD9184A	CLPMO	09/18/94	20:02	RM	S	CONC
63	4607-03	TD9184A	CLPMO	09/18/94	20:09	RM	S	CONC
64	4607-04	TD9184A	CLPMO	09/18/94	20:16	RM	S	CONC
65	4607-05	TD9184A	CLPMO	09/18/94	20:23	RM	S	CONC
66	4607-06	TD9184A	CLPMO	09/18/94	20:31	RM	S	CONC
67	CCV	TD9184A	CLPMO	09/18/94	20:38	RM	Q	CONC
68	CCVAG	TD9184A	CLPMO	09/18/94	20:45	RM	Q	CONC
69	CCB	TD9184A	CLPMO	09/18/94	20:52	RM	Q	CONC
70	ICSA	TD9184A	CLPMO	09/18/94	20:59	RM	Q	CONC
71	ICSAB	TD9184A	CLPMO	09/18/94	21:06	RM	Q	CONC
72	CRI	TD9184A	CLPMO	09/18/94	21:13	RM	Q	CONC
73	CCV	TD9184A	CLPMO	09/18/94	21:20	RM	Q	CONC
74	CCVAG	TD9184A	CLPMO	09/18/94	21:28	RM	Q	CONC
75	CCB	TD9184A	CLPMO	09/18/94	21:35	RM	Q	CONC

#	Element	STD'lank	STD2	STD3	ICV	ICB	CRI
1	Ag3280	-.12698	1.64163		.9981	.0042	0.0250
2	Al3082	.0174		3.22066	.9777	.0029	.0274
3	As1936	-.03513		1.62833	.9522	.0031	.0187
4	Ba4934	-.00053		29.6347	.9541	.0003	0.0008
5	Be3130	.00506		1.49506	.9884	.0001	.0102
6	Ca3179	.00146	23.3895		9.802	.0013	.0097
7	Cd2265	-.00093		.84626	.9825	-.0001	.0116
8	Co2286	.00159		6.58206	.9800	.0001	.1047
9	Cr2677	.00033		2.1496	.9651	.0060	.0246
10	Cu3247	.00666		1.77533	.9809	.0015	.0545
11	Fe2599	0		2.6832	.9861	.0012	.0029
12	K_7664	.01179	2.05299		9.695	.0327	.0670
13	Mg2790	.00086	7.65313		9.668	.0183	.0146
14	Mn2576	.0036		1.47819	.9808	-.0006	.0313
15	Mo2020	-.00099		.46446	.9838	.0010	.0205
16	Na5889	.1634	10.4267		9.965	.0270	.0214
17	Ni2316	.012		4.37624	.9629	.0023	.0861
18	Pb2203	.01213		.3158	.9949	.0295	.1151
19	Sb2068	-.00353	5.90366		.9892	.0144	.1002
20	Se1960	-.02786		5.53226	.9863	.0157	0.0197
21	Tl1908	.00133		.71686	.9437	-.0281	0.0139
22	V_2924	-.00153		9.40986	.9719	.0042	.1054
23	Zn2138	.08186		2.94659	.9732	.0006	.0417

#	Element	ICSA	ICSAB	PBS0912A	PBW0916E	LCS'916E	466'01LA'
1	Ag3280	.0025	.9564	.0044	.0031	0.0435	.0059
2	Al3082	497.1	493.5	.1594	-.0004	9.734	.0426
3	As1936	.0746	1.002	-.0027	-.0026	.4660	.0234
4	Ba4934	.0206	.4648	.0000	.0000	9.012	.0105
5	Be3130	.0001	.4644	.0001	.0001	.2224	.0002
6	Ca3179	469.2	474.4	.1558	.0066	238.6	16.29
7	Cd2265	.0818	.9741	-.0003	.0001	.2629	.0024
8	Co2286	-.0019	.4495	.0000	-.0006	2.288	.0018
9	Cr2677	.0072	.4593	.0055	.0024	.4669	.0110
10	Cu3247	.0232	.5094	.0038	.0004	1.192	.0098
11	Fe2599	174.5	174.1	.0639	.0002	4.628	.3764
12	K_7664	-.3439	-.2062	-.0148	.0049	246.0	7.782
13	Mg2790	508.7	509.7	.1581	-.0122	246.5	16.11
14	Mn2576	.0198	.4718	.0009	-.0023	.7019	.1394
15	Mo2020	.0007	.8855	.0026	.0010	.9333	.0039
16	Na5889	.2705	1.300	.1595	.0075	240.0	233.2
17	Ni2316	.0057	.8878	-.0012	-.0020	1.806	.0053
18	Pb2203	.0525	1.080	.0090	.0075	.2631	.0296
19	Sb2068	-.0464	.9433	-.0021	-.0152	2.944	.0028
20	Se1960	-.1262	4.577	.0114	.0093	1.431	.0144
21	Tl1908	.0992	.9185	.0015	-.0142	1.545	.0035
22	V_2924	.0131	.4659	.0021	.0005	2.309	.0246
23	Zn2138	.0314	.9782	.0039	-.0001	.9544	.0071

#	Element	4664-01	4664-01F	4664-02D	CCV	CCVAG	CCB
1	Ag3280	.0044	.0059	.0062	1.015	.9535	.0040
2	Al3082	.0524	-.0158	.0176	19.33	.0087	.0163
3	As1936	.0801	.0762	.0236	.9909	.0077	.0022
4	Ba4934	.0450	.0171	.0120	18.87	.0041	.0004
5	Be3130	.0000	.0001	.0001	.4942	.0002	.0001
6	Ca3179	79.51	71.81	16.07	8.0030	51.73	.0061
7	Cd2265	.0108	.0122	.0041	.5199	.0094	.0006
8	Co2286	.0004	.0027	-.0003	5.098	.0009	-.0020
9	Cr2677	.0104	.0102	.0100	1.027	.0106	.0001
10	Cu3247	.0211	.0151	.0051	2.388	.0087	-.0006
11	Fe2599	1.770	.1151	.6900	9.955	.0057	.0000
12	K_7664	37.42	36.08	7.691	8.0724	46.84	-.0180
13	Mg2790	78.42	75.91	17.98	9.0114	49.14	.0087
14	Mn2576	.6645	.3128	.1637	1.519	.0028	.0024
15	Mo2020	.0150	.0222	.0028	1.006	.0043	.0016
16	Na5889	H1031.	994.3	223.8	9.1351	46.63	.1133
17	Ni2316	.0171	.0150	.0051	4.088	.0058	-.0002
18	Pb2203	.0048	-.0006	.0208	.5075	.0137	.0130
19	Sb2068	.0171	.0229	.0224	8.0253	4.828	-.0067
20	Se1960	.0478	-.0023	.0037	4.943	.0191	.0038
21	Tl1908	-.0076	.0095	.0120	1.033	.0006	.0002
22	V_2924	.0974	.0936	.0249	4.953	.0036	.0017
23	Zn2138	.0279	.0055	.0083	2.002	.0150	.0037

#	Element	4664-02	4664-03D	4664-03	4605-23	4605-24	4605-25
1	Ag3280	.0076	.0039	.0061	.0010	.0049	.0029
2	Al3082	.0893	.0092	.0122	8.592	9.215	36.82
3	As1936	.0994	.0141	.0800	.0337	.0312	.0652
4	Ba4934	.0562	.0081	.0366	.0912	.2587	.4385
5	Be3130	.0002	.0001	.0002	.0017	.0504	.0124
6	Ca3179	76.23	15.27	73.83	2.114	5.314	65.28
7	Cd2265	.0144	.0035	.0134	.0026	.0019	.0056
8	Co2286	.0024	-.0009	.0003	.0035	.0217	.0182
9	Cr2677	.0247	.0028	.0106	.0137	.0746	.0514
10	Cu3247	.0219	.0021	.0094	.0185	3.212	.2187
11	Fe2599	3.256	.1828	.8629	26.90	22.55	41.57
12	K_7664	37.92	7.501	37.36	1.278	1.500	6.166
13	Mg2790	87.42	17.07	84.01	1.487	2.496	8.120
14	Mn2576	.7798	.1366	.6572	.8717	.6380	1.094
15	Mo2020	.0184	.0046	.0186	.0050	.0048	.0089
16	Na5889	H1027.	223.5	H1020.	.7571	.6765	.7675
17	Ni2316	.0184	.0034	.0135	.0136	.0496	.0402
18	Pb2203	.0478	-.0115	.0009	.0367	.3489	.2237
19	Sb2068	.0260	.0110	.0136	.0080	.0283	.0003
20	Se1960	.0177	.0038	.0046	-.0015	-.0289	.0011
21	Tl1908	.0065	-.0101	.0019	L-.0337	L-.0342	L-.0430
22	V_2924	.1067	.0205	.0966	.0162	.0206	.0682
23	Zn2138	.0182	.0053	.0086	.1214	.1926	.1502

#	Element	4605-26	4605-27	4605-28	4605-29	CCV	CCVAG
1	Ag3280	.0035	.0046	.0037	.0067	1.036	1.002
2	Al3082	19.16	22.13	33.08	16.64	19.79	-.0046
3	As1936	.0536	.0583	.0581	.0588	.9966	.0026
4	Ba4934	.3199	.4193	.4699	.4421	19.55	.0031
5	Be3130	.0161	.0171	.0083	.0072	.4998	.0002
6	Ca3179	86.34	79.06	35.71	191.3	0.0147	52.50
7	Cd2265	.0021	.0042	.0043	.0036	.5183	.0091
8	Co2286	.0088	.0133	.0174	.0161	5.095	.0009
9	Cr2677	.0517	.0509	.0376	.0730	1.036	.0060
10	Cu3247	.2971	.5014	.2110	.5658	2.469	.0093
11	Fe2599	31.32	37.81	35.92	36.90	9.956	.0035
12	K_7664	3.235	4.071	6.164	2.438	0.1075	50.62
13	Mg2790	5.748	6.444	7.293	7.092	0.0019	50.66
14	Mn2576	.8371	.9579	1.043	.8877	1.535	.0026
15	Mo2020	.0014	.0027	.0036	.0086	1.009	.0010
16	Na5889	.7161	.7925	.5944	.7983	0.0893	50.79
17	Ni2316	.0273	.0316	.0339	.0558	4.092	.0026
18	Pb2203	.2968	.1829	.1261	.1678	.5185	-.0163
19	Sb2068	.0062	.0154	.0036	-.0029	0.0111	5.041
20	Se1960	.0292	.0185	.0203	-.0127	5.022	.0233
21	Tl1908	L-.0325	L-.0279	L-.0436	L-.0362	1.017	.0067
22	V_2924	.0554	.0662	.0656	.0745	5.003	-.0005
23	Zn2138	.1299	.1527	.1696	.1170	2.011	.0135

#	Element	CCB	4605-30	4605-31	4605-32	4605-33	4605-34
1	Ag3280	.0025	-.0017	-.0032	-.0013	-.0003	.0015
2	Al3082	.0079	43.89	61.21	77.58	69.89	129.1
3	As1936	.0031	.0505	.0933	.0953	.0885	.2569
4	Ba4934	-.0001	.4541	.6750	1.409	.6893	1.813
5	Be3130	.0001	.0095	.0061	.0061	.0047	.0042
6	Ca3179	.0019	39.22	12.49	26.66	10.39	74.68
7	Cd2265	-.0003	.0038	.0046	.0046	.0072	.0160
8	Co2286	-.0019	.0151	.0322	.0226	.0347	.0619
9	Cr2677	.0009	.0347	.0529	.0544	.0568	.3770
10	Cu3247	-.0027	.1482	.0843	.0486	.0971	.1692
11	Fe2599	-.0003	40.98	67.00	64.64	64.00	142.8
12	K_7664	-.0457	6.413	9.234	14.11	11.88	19.09
13	Mg2790	.0044	7.676	9.005	16.09	10.52	64.87
14	Mn2576	.0007	.9388	1.999	1.218	1.700	2.441
15	Mo2020	-.0022	.0004	.0035	.0027	.0015	.0055
16	Na5889	.0965	.6655	.6619	5.177	.8948	3.663
17	Ni2316	-.0010	.0311	.0473	.0493	.0448	.3887
18	Pb2203	.0032	.1270	.1344	.0634	.1736	.1404
19	Sb2068	-.0087	-.0126	-.0016	-.0042	.0034	.0065
20	Se1960	-.0128	.0108	-.0045	-.0171	.0001	.0030
21	Tl1908	-.0176	L-.0549	L-.0894	L-.0514	L-.0757	L-.0829
22	V_2924	.0014	.0717	.1257	.1006	.1272	.3573
23	Zn2138	.0032	.1436	.1551	.1623	.1509	.4690

#	Element	4606-01R	4606-01S	4606-01A	4606-02	4606-03	4606-04
1	Ag3280	.0015	.0436	.0424	-.0008	.0171	.0041
2	Al3082	58.29	84.14	61.31	75.05	80.38	15.14
3	As1936	.0667	.1258	2.042	.0957	.0878	.0531
4	Ba4934	.4822	2.413	2.351	.5637	.6048	.3587
5	Be3130	.0081	.0566	.0550	.0046	.0134	.0079
6	Ca3179	31.60	36.93	47.91	13.99	12.16	149.6
7	Cd2265	.0033	.0043	.0568	.0055	.0040	.0037
8	Co2286	.0165	.5344	.5309	.0246	.0284	.0112
9	Cr2677	.0472	.2736	.2542	.0559	.0728	.0481
10	Cu3247	.0864	.5137	.3521	.0504	.4671	.4670
11	Fe2599	48.37	59.65	51.24	66.59	62.11	37.39
12	K_7664	8.337	12.22	8.728	12.32	10.95	2.676
13	Mg2790	8.485	11.36	8.681	10.54	10.21	7.135
14	Mn2576	1.106	1.788	1.946	1.509	1.706	.7740
15	Mo2020	.0039	.9893	.9972	.0077	.0037	.0055
16	Na5889	.8201	1.279	.8922	.7210	.7408	.8867
17	Ni2316	.0359	.5556	.5416	.0445	.0580	.0367
18	Pb2203	.1194	.1818	.6555	.0821	.1087	.1886
19	Sb2068	-.0146	.0423	.5022	.0047	-.0082	-.0231
20	Se1960	.0014	.0135	1.957	-.0022	-.0010	.0131
21	Tl1908	L-.0730	L-.0538	1.934	L-.0530	L-.0789	-.0104
22	V_2924	.0820	.6009	.5763	.1082	.1080	.0630
23	Zn2138	.1412	.6804	.6417	.1638	.1877	.1627

#	Element	CCV	CCVAG	CCB	4606-05	4606-06	4606-07
1	Ag3280	1.019	.9621	.0044	.0015	-.0016	.1411
2	Al3082	19.30	-.0102	.0092	49.04	77.02	86.02
3	As1936	1.008	.0057	-.0010	.0624	.0883	3.009
4	Ba4934	18.96	.0024	.0008	.9395	1.008	1.472
5	Be3130	.4887	.0001	.0001	.0034	.0043	.0056
6	Ca3179	.0158	51.18	.0068	10.79	10.82	20.12
7	Cd2265	.5217	.0088	.0006	.0035	.0037	.1093
8	Co2286	5.107	-.0005	-.0002	.0115	.0273	.0453
9	Cr2677	1.040	.0059	.0049	.0343	.0511	.0719
10	Cu3247	2.409	.0073	.0001	.0238	.0321	13.31
11	Fe2599	9.854	.0042	.0090	41.11	65.19	125.6
12	K_7664	.1497	47.69	.0082	7.781	11.71	24.42
13	Mg2790	.0076	48.55	.0091	8.770	13.85	25.19
14	Mn2576	1.530	.0027	.0001	1.007	1.539	H41.81
15	Mo2020	1.011	.0009	-.0016	.0037	.0020	.0838
16	Na5889	.1169	47.77	.1082	1.003	.9113	2.895
17	Ni2316	4.099	.0061	-.0011	.0282	.0414	.0581
18	Pb2203	.5360	.0050	.0083	.0453	.0665	H28.15
19	Sb2068	.0087	4.853	-.0063	.0057	-.0108	.0396
20	Se1960	4.956	-.0029	.0014	-.0003	.0058	.0031
21	Tl1908	1.018	.0100	-.0151	L-.0379	L-.0784	L-.2235
22	V_2924	4.944	.0026	.0013	.0583	.1124	.2302
23	Zn2138	1.985	.0132	.0035	.1188	.1464	29.27

#	Element	4607-01	4607-02	4607-03	4607-04	4607-05	4607-06
1	Ag3280	.0011	-.0006	-.0016	-.0013	-.0009	.0076
2	Al3082	93.35	84.68	113.7	87.24	80.69	85.06
3	As1936	.0951	.0760	.1027	.0845	.0707	.1035
4	Ba4934	.9194	.9119	.9918	.9596	.8375	.8905
5	Be3130	.0376	.0126	.0064	.0061	.0273	.1224
6	Ca3179	14.03	11.38	12.05	11.80	10.88	11.80
7	Cd2265	.0061	.0046	.0051	.0042	.0030	.0036
8	Co2286	.0384	.0337	.0395	.0369	.0311	.0342
9	Cr2677	.0614	.0503	.0600	.0527	.0448	.0550
10	Cu3247	.1264	.0585	.0494	.0494	.0956	.2707
11	Fe2599	68.64	66.04	74.81	67.14	57.49	64.83
12	K_7664	13.30	11.92	12.46	11.88	11.80	12.51
13	Mg2790	11.88	11.52	13.50	11.78	10.33	11.15
14	Mn2576	2.412	2.116	2.242	2.456	1.958	2.219
15	Mo2020	.0056	.0021	.0062	.0040	.0028	.0017
16	Na5889	.7762	.7113	.7905	.7785	.6291	.7571
17	Ni2316	.0510	.0471	.0512	.0469	.0432	.0555
18	Pb2203	.1930	.1343	.1137	.0863	.4698	.8770
19	Sb2068	-.0087	.0094	.0025	-.0108	-.0056	-.0026
20	Se1960	-.0123	.0043	-.0025	-.0068	.0095	-.0114
21	Tl1908	L-.0929	L-.0789	L-.0953	L-.0665	L-.0722	L-.0855
22	V_2924	.1252	.1203	.1373	.1212	.1000	.1129
23	Zn2138	.1726	.1471	.1637	.1484	.1402	.1705

#	Element	CCV	CCVAG	CCB	ICSA	ICSAB	CRI
1	Ag3280	1.008	.9604	.0044	.0050	.9219	0.0260
2	Al3082	19.09	.0062	.0096	473.0	472.6	.0459
3	As1936	.9847	-.0095	-.0028	.1955	1.092	.0164
4	Ba4934	18.75	.0021	.0014	.0197	.4391	0.0000
5	Be3130	.4834	.0001	.0002	.0002	.4470	.0099
6	Ca3179	0.0090	50.92	.0100	477.9	479.2	.0456
7	Cd2265	.5156	.0085	.0015	.0803	.9878	.0110
8	Co2286	5.051	-.0016	-.0002	-.0029	.4424	.1035
9	Cr2677	1.025	.0069	.0076	.0106	.4568	.0246
10	Cu3247	2.379	.0025	.0026	.0250	.4783	.0486
11	Fe2599	9.745	.0032	.0080	170.4	170.1	.0211
12	K_7664	0.2235	48.64	.0278	-.3144	-.3504	-.0572
13	Mg2790	0.0010	48.54	.0253	499.9	500.3	.0430
14	Mn2576	1.512	.0022	.0012	.0203	.4687	.0310
15	Mo2020	.9979	.0007	.0017	.0082	.8879	.0195
16	Na5889	0.1075	48.82	.1215	.3443	1.335	.0994
17	Ni2316	4.051	.0019	.0015	.0086	.8845	.0832
18	Pb2203	.5149	.0049	.0229	.0937	1.073	.1276
19	Sb2068	0.0035	4.820	.0099	-.0246	.9033	.0920
20	Se1960	4.867	.0210	.0001	-.0993	4.441	0.0072
21	Tl1908	1.004	-.0024	-.0000	.0879	.9280	0.0112
22	V_2924	4.891	.0011	.0023	.0158	.4534	.1024
23	Zn2138	1.958	.0114	.0041	.0344	.9587	.0434

#	Element	CCV	CCVAG	CCB
1	Ag3280	.9953	.9543	.0068
2	Al3082	18.88	.0125	.0176
3	As1936	.9809	-.0008	-.0033
4	Ba4934	18.37	.0023	.0009
5	Be3130	.4783	.0002	.0001
6	Ca3179	2.0298	50.93	.0155
7	Cd2265	.5135	.0077	.0008
8	Co2286	5.004	.0008	.0004
9	Cr2677	1.017	.0055	.0066
10	Cu3247	2.339	.0057	.0020
11	Fe2599	9.655	.0067	.0045
12	K_7664	4.1543	47.23	.0457
13	Mg2790	0.0240	48.57	.0222
14	Mn2576	1.494	.0025	.0003
15	Mo2020	.9910	.0034	-.0003
16	Na5889	0.1322	47.57	.1247
17	Ni2316	4.012	.0029	.0004
18	Pb2203	.5213	.0039	-.0084
19	Sb2068	0.0080	4.790	-.0057
20	Se1960	4.799	.0238	.0039
21	Tl1908	1.011	.0046	-.0035
22	V_2924	4.833	.0028	.0013
23	Zn2138	1.950	.0115	.0042

Method: CLPMO

Standard: STD1-Blank

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Avge	-.1270	.0174	-.0351	-.0005	.0051	.0015	-.0009
SDev	.0067	.0020	.0145	.0005	.0001	.0017	.0028
%RSD	5.310	11.67	41.37	86.60	2.279	116.0	301.0
#1	-.1193	.0196	-.0184	.0000	.0052	.0032	.0020
#2	-.1318	.0170	-.0446	-.0008	.0050	-.0002	-.0012
#3	-.1299	.0156	-.0424	-.0008	.0050	.0014	-.0036
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.0016	.0003	.0067	.0000	.0118	.0009	.0036
SDev	.0000	.0057	.0017	.0002	.0026	.0064	.0003
%RSD	.0000	1697.	24.98	.0000	22.03	738.6	9.623
#1	.0016	.0066	.0080	.0002	.0132	.0072	.0040
#2	.0016	-.0044	.0048	-.0002	.0088	.0010	.0034
#3	.0016	-.0012	.0072	.0000	.0134	-.0056	.0034
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Avge	-.0010	.1634	.0120	.0121	-.0035	-.0279	.0013
SDev	.0009	.0072	.0008	.0186	.0465	.0103	.0061
%RSD	87.18	4.408	6.994	153.6	1316.	37.13	459.2
#1	-.0014	.1712	.0129	.0328	.0248	-.0248	.0036
#2	.0000	.1620	.0113	-.0034	.0218	-.0194	.0060
#3	-.0016	.1570	.0118	.0070	-.0572	-.0394	-.0056
Elem	V_2924	Zn2138					
Avge	-.0015	.0819					
SDev	.0016	.0013					
%RSD	101.3	1.627					
#1	.0002	.0830					
#2	-.0020	.0822					
#3	-.0028	.0804					

Method: CLPMO

Standard: STD2

Elem	As3280	Ca3179	K_7664	Mg2790	Na5889	Sb2068
Avge	1.642	23.39	2.053	7.653	10.43	5.904
SDev	.006	.02	.010	.027	.08	.037
%RSD	.3638	.0867	.4955	.3469	.7325	.6251
#1	1.639	23.37	2.046	7.632	10.39	5.869
#2	1.648	23.41	2.065	7.683	10.51	5.943
#3	1.637	23.38	2.049	7.644	10.38	5.899

Method: CLPMO

Standard: STD3

Elem	Al3082	As1936	Ba4934	Be3130	Cd2265	Co2286	Cr2677
Avge	3.221	1.628	29.63	1.495	.8463	6.582	2.150
SDev	.046	.014	.62	.011	.0033	.028	.016
%RSD	1.425	.8777	2.098	.7106	.3914	.4284	.7580
#1	3.242	1.642	29.72	1.501	.8494	6.613	2.162
#2	3.168	1.630	28.98	1.483	.8466	6.575	2.155
#3	3.252	1.613	30.21	1.501	.8428	6.558	2.131
Elem	Cu3247	Fe2599	Mn2576	Mo2020	Ni2316	Pb2203	Se1960
Avge	1.775	2.683	1.478	.4645	4.376	.3158	5.532
SDev	.032	.013	.008	.0006	.023	.0039	.057
%RSD	1.788	.5021	.5346	.1384	.5148	1.236	1.037
#1	1.779	2.697	1.486	.4652	4.399	.3196	5.551
#2	1.742	2.671	1.470	.4642	4.377	.3160	5.468
#3	1.805	2.682	1.478	.4640	4.354	.3118	5.578
Elem	Tl1908	V_2924	Zn2138				
Avge	.7169	9.410	2.947				
SDev	.0088	.062	.014				
%RSD	1.220	.6587	.4683				
#1	.7226	9.451	2.960				
#2	.7068	9.339	2.933				
#3	.7212	9.440	2.947				

Analysis Report

QC Standard

Sun 09-18-94 01:14:36 PM

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Method: CLPMO Sample Name: ICV

Operator:

Run Time: 09/18/94 13:07:32

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9981	.9777	.9522	.9541	.9884	9.802	.9825
SDev	.0004	.0051	.0050	.0045	.0031	.062	.0041
%RSD	.0370	.5236	.5206	.4753	.3137	.6360	.4216
#1	.9977	.9747	.9506	.9537	.9849	9.873	.9867
#2	.9980	.9836	.9578	.9588	.9907	9.757	.9784
#3	.9985	.9748	.9483	.9498	.9895	9.776	.9825
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		1.000	1.000	1.000	1.000	10.00	1.000
Range		10.00	10.00	10.00	10.00	10.00	10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9800	.9651	.9809	.9861	9.695	9.668	.9808
SDev	.0034	.0053	.0039	.0017	.142	.029	.0007
%RSD	.3505	.5467	.3962	.1742	1.466	.3000	.0718
#1	.9839	.9669	.9817	.9881	9.850	9.701	.9817
#2	.9783	.9592	.9843	.9851	9.664	9.660	.9804
#3	.9777	.9693	.9766	.9851	9.571	9.644	.9804
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	1.000	1.000	1.000	10.00	10.00	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9838	9.965	.9629	.9949	.9892	.9863	.9437
SDev	.0101	.118	.0036	.0485	.0119	.0080	.0278
%RSD	1.027	1.188	.3711	4.872	1.206	.8108	2.951
#1	.9937	10.08	.9668	1.028	1.003	.9825	.9579
#2	.9843	9.962	.9599	.9393	.9835	.9810	.9616
#3	.9735	9.848	.9618	1.017	.9812	.9955	.9116
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	1.000	10.00	1.000	1.000	1.000		
Range	10.00	10.00	10.00	10.00	10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.9719	.9732					
SDev	.0023	.0049					
%RSD	.2364	.5011					
#1	.9742	.9767					
#2	.9696	.9753					
#3	.9719	.9677					
Errors	QC Pass	QC Pass					
Value	1.000	1.000					
Range							

Analysis Report

QC Standard

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Range 10.00 10.00

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: ICB

Operator:

Run Time: 09/18/94 13:14:40

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042	.0029	.0031	.0003	.0001	.0013	-.0001
SDev	.0007	.0292	.0130	.0001	.0000	.0021	.0010
%RSD	17.24	1022.	425.4	24.74	44.79	164.4	1255.
#1	.0036	-.0303	-.0028	.0002	.0001	.0037	.0001
#2	.0041	.0138	.0180	.0004	.0000	-.0001	-.0011
#3	.0050	.0251	-.0060	.0004	.0001	.0003	.0008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0060	.0015	.0012	.0327	.0183	-.0006
SDev	.0003	.0041	.0009	.0023	.0102	.0219	.0019
%RSD	174.9	68.58	57.28	185.5	31.22	119.6	318.7
#1	-.0000	.0016	.0013	-.0008	.0441	.0309	-.0028
#2	.0005	.0098	.0008	.0037	.0245	-.0070	.0004
#3	-.0000	.0066	.0025	.0007	.0294	.0309	.0006
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0270	.0023	.0295	.0144	.0157	-.0281
SDev	.0024	.0139	.0016	.0111	.0030	.0150	.0036
%RSD	244.0	51.67	66.63	37.61	20.81	95.54	12.72
#1	-.0017	.0302	.0013	.0178	.0150	.0256	-.0245
#2	.0017	.0117	.0016	0.0399	.0169	.0231	-.0282
#3	.0030	.0390	.0041	.0307	.0111	-.0016	-.0316
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0042	.0006					
SDev	.0014	.0003					
%RSD	34.27	54.04					
#1	.0045	.0008					
#2	.0027	.0002					
#3	.0055	.0008					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					
Range	.0010	.0010					

Analysis Report

QC Standard

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Range .0500 .0200

Method: CLPMO Sample Name: CRI

Operator:

Run Time: 09/18/94 13:21:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0.0250	.0274	.0187	0.0008	.0102	.0097	.0116
SDev	.0019	.0138	.0056	.0006	.0001	.0011	.0030
%RSD	7.705	50.42	29.98	76.92	.6593	11.67	25.74
#1	.0247	.0266	.0158	0.0014	.0102	.0105	.0098
#2	0.0271	.0416	.0151	0.0005	.0102	.0084	0.0150
#3	.0233	.0140	0.0251	0.0004	.0101	.0101	.0099
Errors	QC Fail	NOCHECK	QC Pass	QC Fail	QC Pass	NOCHECK	QC Pass
Value	.0200		.0200	.2000	.0100		.0100
Range	25.00		25.00	25.00	25.00		25.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1047	.0246	.0545	.0029	.0670	.0146	.0313
SDev	.0023	.0029	.0026	.0019	.0374	.0146	.0002
%RSD	2.222	11.96	4.757	64.76	55.89	99.47	.6506
#1	.1073	0.0279	.0573	.0049	.1078	.0090	.0313
#2	.1038	.0234	.0522	.0012	.0588	.0312	.0315
#3	.1029	.0224	.0539	.0027	.0343	.0038	.0311
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	.1000	.0200	.0500				.0300
Range	25.00	25.00	25.00				25.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0205	.0214	.0861	.1151	.1002	0.0197	0.0139
SDev	.0020	.0217	.0027	.0083	.0116	.0169	.0106
%RSD	9.704	101.2	3.157	7.168	11.60	85.52	76.08
#1	.0228	.0175	.0892	.1203	.1010	0.0380	0.0028
#2	.0193	.0448	.0843	.1196	.1114	0.0164	.0239
#3	.0193	.0019	.0848	.1056	0.0882	0.0048	.0151
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail
Value	.0200		.0800	.1060	.1200	.0100	.0200
Range	25.00		25.00	25.00	25.00	25.00	25.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1054	.0417					
SDev	.0019	.0001					
%RSD	1.775	.1791					
#1	.1052	.0418					
#2	.1074	.0416					
#3	.1037	.0418					
Errors	QC Pass	QC Pass					
Value	.1000	.0400					
Range							

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QC Standard

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Range 25.00 25.00

Analysis Report

QC Standard

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Method: CLPMO Sample Name: ICSA

Operator:

Run Time: 09/18/94 13:28:54

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025	497.1	.0746	.0206	.0001	469.2	.0818
SDev	.0016	3.5	.0146	.0003	.0001	1.0	.0008
%RSD	64.58	.6972	19.53	1.367	81.99	.2100	.9461
#1	.0044	500.2	.0584	.0203	.0000	468.7	.0810
#2	.0018	493.3	.0790	.0205	.0002	468.6	.0825
#3	.0014	497.7	.0866	.0209	.0001	470.4	.0821
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0019	.0072	.0232	174.5	-.3439	508.7	.0198
SDev	.0023	.0024	.0033	.5	.1007	1.8	.0003
%RSD	124.4	32.86	14.29	.2659	29.30	.3619	1.575
#1	-.0046	.0062	.0194	174.8	-.4594	510.1	.0195
#2	-.0008	.0099	.0245	173.9	-.2977	506.6	.0197
#3	-.0003	.0055	.0256	174.6	-.2745	509.4	.0201
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.0		500.0	
Range				20.00		20.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.2705	.0057	.0525	-.0464	-.1262	.0992
SDev	.0021	.0142	.0033	.0353	.0117	.0365	.0228
%RSD	290.7	5.248	58.69	67.19	25.24	28.95	22.99
#1	-.0007	.2572	.0026	.0243	-.0585	-.1407	.0799
#2	.0031	.2689	.0052	.0412	-.0456	-.1533	.1244
#3	-.0003	.2855	.0092	.0921	-.0351	-.0846	.0935
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0131	.0314					
SDev	.0003	.0010					
%RSD	2.547	3.219					
#1	.0127	.0302					
#2	.0132	.0319					
#3	.0133	.0321					
Errors	NOCHECK	NOCHECK					
Value							
Range							

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QC Standard

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Range

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: ICSAB

Operator:

Run Time: 09/18/94 13:36:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9564	493.5	1.002	.4648	.4644	474.4	.9741
SDev	.0107	7.8	.059	.0072	.0053	2.6	.0038
%RSD	1.118	1.589	5.883	1.555	1.148	.5415	.3880
#1	.9445	485.1	.9430	.4574	.4584	471.7	.9698
#2	.9652	500.6	1.002	.4718	.4685	474.6	.9771
#3	.9595	494.9	1.061	.4652	.4664	476.9	.9753
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	500.0	1.000	.5000	.5000	500.0	1.000
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4495	.4593	.5094	174.1	-.2062	509.7	.4718
SDev	.0009	.0053	.0049	1.6	.1080	4.6	.0042
%RSD	.1984	1.146	.9553	.8963	52.40	.9062	.8997
#1	.4488	.4653	.5059	172.3	-.0818	504.4	.4669
#2	.4505	.4558	.5150	175.0	-.2602	512.7	.4747
#3	.4492	.4566	.5074	174.9	-.2766	512.1	.4739
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.5000	.5000	.5000	200.0		500.0	.5000
Range	20.00	20.00	20.00	20.00		20.00	20.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8855	1.300	.8878	1.080	.9433	4.577	.9185
SDev	.0098	.003	.0036	.025	.0252	.070	.0113
%RSD	1.112	.2597	.3994	2.270	2.670	1.520	1.230
#1	.8800	1.298	.8876	1.097	.9307	4.497	.9255
#2	.8797	1.298	.8844	1.051	.9723	4.619	.9055
#3	.8969	1.304	.8914	1.090	.9269	4.616	.9246
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000		1.000	1.000	1.000	5.000	1.000
Range	20.00		20.00	20.00	20.00	20.00	20.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.4659	.9782					
SDev	.0047	.0049					
%RSD	1.011	.5042					
#1	.4605	.9729					
#2	.4689	.9791					
#3	.4683	.9826					
Errors	QC Pass	QC Pass					
Value	1.000	1.000					
Range	20.00	20.00					

Analysis Report

QC Standard

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Range 20.00 20.00

Analysis Report

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page 1

Method: CLPMO Sample Name: PBS0912A

Operator: RM

Run Time: 09/18/94 13:43:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0044	.1594	-.0027	.0000	.0002	.1558	-.0003
SDev	.0020	.0800	.0085	.0003	.0000	.0950	.0006
%RSD	46.26	50.19	313.8	1607e6	23.68	60.96	195.6
#1	.0055	H.2491	.0058	-.0002	.0002	.2624	-.0008
#2	.0055	.1334	-.0028	-.0002	.0002	.1247	-.0004
#3	.0020	.0956	L-.0112	.0004	.0001	.0802	.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.2000	.0100	.2000	.0050	5.000	.0050
Low	-.0100	-.2000	-.0100	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0000	.0055	.0038	.0639	-.0148	.1581	.0009
SDev	.0012	.0047	.0018	.0365	.0344	.0948	.0001
%RSD	155700.	85.85	48.22	57.15	231.9	59.97	12.40
#1	.0000	.0015	.0030	H.1045	-.0394	.2609	.0010
#2	-.0012	H.0107	.0025	.0537	-.0295	.1394	.0010
#3	.0012	.0042	.0058	.0336	.0244	.0740	.0008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Low	-.0500	-.0100	-.0250	-.1000	-5.000	-5.000	-.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0026	.1595	-.0012	.0090	-.0021	.0114	.0015
SDev	.0024	.0142	.0010	.0185	.0151	.0032	.0256
%RSD	92.69	8.903	89.25	206.8	722.4	28.38	1681.
#1	.0022	.1549	-.0021	.0139	.0035	.0137	.0207
#2	.0004	.1754	-.0013	.0245	.0095	.0077	-.0276
#3	.0052	.1481	-.0001	-.0115	-.0192	.0128	.0115
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0200	5.000	.0400	.0500	.0600	.0600	.0500
Low	-.0200	-5.000	-.0400	-.0500	-.0600	-.0600	-.0500
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avgc	.0021	.0039					
SDev	.0012	.0003					
%RSD	59.68	7.325					
#1	.0032	.0036					
#2	.0023	.0039					
#3	.0007	.0042					
Errors	LC Pass	LC Pass					
High	.0200	.0200					
Low	-.0200	-.0200					

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO Sample Name: PBWD916E

Operator: RM

Run Time: 09/18/94 13:50:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031	-.0004	-.0026	.0000	.0002	.0066	.0002
SDev	.0038	.0126	.0073	.0009	.0000	.0057	.0024
%RSD	124.4	3113.	281.3	1929.	23.37	87.58	1565.
#1	.0021	.0013	.0045	-.0003	.0002	.0041	-.0008
#2	.0073	.0113	-.0022	.0010	.0002	.0131	.0029
#3	-.0001	-.0138	L-.0101	-.0006	.0001	.0024	-.0017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.2000	.0100	.2000	.0050	5.000	.0050
Low	-.0100	-.2000	-.0100	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0024	.0004	.0002	.0049	-.0122	-.0023
SDev	.0019	.0028	.0047	.0017	.1142	.0321	.0022
%RSD	312.1	116.3	1258.	695.6	2332.	262.3	94.37
#1	-.0021	.0007	-.0021	-.0007	-.0882	-.0109	-.0035
#2	.0015	.0056	.0058	.0022	.1323	.0192	.0002
#3	-.0012	.0009	-.0026	-.0007	-.0294	-.0449	-.0037
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Low	-.0500	-.0100	-.0250	-.1000	-5.000	-5.000	-.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0075	-.0020	.0075	-.0152	.0093	-.0142
SDev	.0010	.0312	.0052	.0359	.0191	.0173	.0096
%RSD	98.94	417.1	263.0	479.8	125.5	186.6	67.33
#1	.0004	.0136	.0002	-.0261	-.0293	.0292	-.0250
#2	.0004	.0351	.0018	.0454	.0065	-.0025	-.0105
#3	.0021	-.0263	-.0078	.0032	-.0228	.0011	-.0070
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0200	5.000	.0400	.0500	.0600	.0600	.0500
Low	-.0200	-5.000	-.0400	-.0500	-.0600	-.0600	-.0500
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0005	-.0001					
SDev	.0011	.0010					
%RSD	229.6	732.8					
#1	.0006	-.0012					
#2	.0015	.0008					
#3	-.0007	-.0000					
Errors	LC Pass	LC Pass					
High	.0200	.0200					
Low	-.0200	-.0200					

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Low -.0500 -.0200

Method: CLPMO Sample Name: LCSW0916E

Operator: RM

Run Time: 09/18/94 13:57:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0.0435	9.734	.4660	9.012	.2224	238.6	.2629
SDev	.0018	.135	.0113	.157	.0018	.3	.0030
%RSD	4.145	1.388	2.422	1.740	.7977	.1278	1.130
#1	0.0451	9.862	.4780	9.163	.2237	238.9	.2622
#2	0.0438	9.593	.4645	8.850	.2204	238.7	.2662
#3	0.0415	9.747	.4555	9.024	.2230	238.3	.2604
Errors	QC Fail	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00		10.00	.2500	250.0	.2500
Range	20.00	20.00		20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.288	.4669	1.192	4.628	246.0	246.5	.7019
SDev	.003	.0054	.015	.027	4.1	1.2	.0025
%RSD	.1161	1.158	1.244	.5816	1.648	.5040	.3528
#1	2.290	.4625	1.205	4.652	250.1	247.5	.7035
#2	2.285	.4729	1.176	4.599	242.0	245.1	.6990
#3	2.289	.4652	1.196	4.634	245.9	246.8	.7031
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		5.000	250.0	250.0	.7500
Range	20.00	20.00		20.00	20.00	20.00	20.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9333	240.0	1.806	.2631	2.944	1.431	1.545
SDev	.0028	4.4	.004	.0328	.018	.029	.009
%RSD	.2961	1.849	.2087	12.45	.5989	2.050	.5986
#1	.9313	244.5	1.810	.2904	2.959	1.421	1.555
#2	.9321	235.6	1.804	.2721	2.924	1.408	1.542
#3	.9364	240.1	1.804	.2268	2.949	1.464	1.537
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	250.0	2.000	.2500	3.000	1.250	1.500
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	2.309	.9544					
SDev	.014	.0073					
%RSD	.6131	.7605					
#1	2.323	.9615					
#2	2.295	.9470					
#3	2.309	.9546					
Errors	QC Pass	QC Pass					
Value							
Range							

Analysis Report

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Range 20.00 20.00

Analysis Report

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page 1

Method: CLPMO Sample Name: 4664-01LA

Operator: RM

Run Time: 09/18/94 14:04:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059	.0426	.0234	.0105	.0002	16.29	.0024
SDev	.0016	.0152	.0063	.0010	.0001	.05	.0006
%RSD	27.57	35.59	27.09	9.285	33.20	.2999	25.89
#1	.0062	.0435	.0204	.0097	.0002	16.25	.0022
#2	.0041	.0573	.0306	.0102	.0001	16.28	.0019
#3	.0073	.0270	.0191	.0116	.0003	16.35	.0031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	.0110	.0098	.3764	7.782	16.11	.1394
SDev	.0019	.0075	.0040	.0030	.094	.04	.0000
%RSD	104.5	68.29	40.38	.7999	1.206	.2326	.0006
#1	-.0000	.0090	.0070	.3732	7.675	16.07	.1394
#2	.0017	.0047	.0081	.3769	7.827	16.15	.1394
#3	.0038	.0193	.0143	.3792	7.846	16.11	.1394
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039	233.2	.0053	.0296	.0028	.0144	.0035
SDev	.0020	.9	.0024	.0433	.0067	.0149	.0152
%RSD	50.75	.3823	45.17	146.0	238.3	103.3	434.8
#1	.0017	232.7	.0037	-.0141	.0078	.0245	.0099
#2	.0056	234.2	.0042	.0305	.0056	.0214	.0145
#3	.0043	232.6	.0080	.0724	-.0049	-.0027	-.0138
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0246	.0071					
SDev	.0026	.0004					
%RSD	10.36	5.453					
#1	.0234	.0075					
#2	.0229	.0068					
#3	.0275	.0069					
Errors	LC Pass	LC Pass					
High							
Low							

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO Sample Name: 4664-01

Operator: RM

Run Time: 09/18/94 14:11:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044	.0524	.0801	.0450	.0000	79.51	.0108
SDev	.0014	.0048	.0043	.0003	.0001	.43	.0005
%RSD	31.14	9.114	5.376	.7550	274.5	.5430	4.903
#1	.0030	.0545	.0753	.0453	.0001	79.05	.0108
#2	.0045	.0469	.0813	.0446	.0001	79.56	.0112
#3	.0057	.0558	.0836	.0450	-.0001	79.91	.0102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0104	.0211	1.770	37.42	78.42	.6645
SDev	.0014	.0033	.0034	.006	.23	.26	.0015
%RSD	353.9	31.64	16.29	.3413	.6195	.3263	.2205
#1	.0011	.0096	.0228	1.766	37.64	78.14	.6629
#2	.0014	.0140	.0234	1.766	37.17	78.50	.6650
#3	-.0012	.0076	.0172	1.777	37.45	78.63	.6658
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0150	H1031.	.0171	.0048	.0171	.0478	-.0076
SDev	.0009	6.	.0014	.0295	.0055	.0255	.0135
%RSD	5.980	.5972	8.485	617.9	32.21	53.30	177.1
#1	.0147	H1036.	.0165	.0375	.0235	.0317	-.0161
#2	.0143	H1024.	.0187	-.0030	.0137	.0346	.0080
#3	.0160	H1034.	.0159	-.0201	.0141	.0772	-.0148
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0974	.0279					
SDev	.0012	.0014					
%RSD	1.203	5.211					
#1	.0983	.0295					
#2	.0978	.0275					
#3	.0960	.0267					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO Sample Name: 4664-01F

Operator: RM

Run Time: 09/18/94 14:18:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0059	-.0158	.0762	.0171	.0001	71.81	.0122
SDev	.0012	.0057	.0074	.0001	.0000	.52	.0008
%RSD	19.91	35.90	9.661	.7895	3.165	.7258	6.427

#1	.0063	-.0099	.0841	.0172	.0001	71.24	.0123
#2	.0046	-.0212	.0749	.0170	.0001	71.96	.0113
#3	.0069	-.0162	.0696	.0171	.0001	72.25	.0129

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	.0102	.0151	.1151	36.08	75.91	.3128
SDev	.0006	.0046	.0013	.0023	.29	.56	.0018
%RSD	21.48	44.59	8.660	1.980	.8111	.7384	.5600

#1	.0033	.0083	.0166	.1131	35.77	75.26	.3110
#2	.0023	.0069	.0143	.1146	36.11	76.18	.3132
#3	.0024	.0155	.0143	.1176	36.35	76.28	.3144

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0222	994.3	.0150	-.0006	.0229	-.0023	.0095
SDev	.0019	7.6	.0009	.0189	.0232	.0083	.0071
%RSD	8.741	.7606	6.038	3140.	101.3	361.1	75.01

#1	.0223	985.8	.0158	-.0151	.0161	-.0047	.0090
#2	.0240	996.6	.0152	-.0075	.0039	.0069	.0169
#3	.0202	H1000.	.0140	.0208	.0488	-.0091	.0026

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0936	.0055
SDev	.0010	.0001
%RSD	1.108	2.669

#1	.0945	.0054
#2	.0925	.0055
#3	.0939	.0057

Errors	LC Pass	LC Pass
High	100.0	10.00
Low	-.0100	-.0250

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Low -.0500 -.0200

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Method: CLPMO

Sample Name: 4664-02D

Operator: RM

Run Time: 09/18/94 14:26:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062	.0176	.0236	.0120	.0001	16.07	.0041
SDev	.0009	.0126	.0106	.0008	.0000	.22	.0031
%RSD	14.71	71.57	45.02	6.389	40.60	1.369	76.15
#1	.0064	.0043	.0161	.0122	.0001	15.93	.0008
#2	.0070	.0193	.0357	.0112	.0001	15.96	.0044
#3	.0052	.0293	.0189	.0126	.0001	16.33	.0071
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0100	.0051	.6900	7.691	17.98	.1637
SDev	.0025	.0013	.0047	.0110	.108	.29	.0039
%RSD	991.6	13.04	93.18	1.595	1.409	1.629	2.360
#1	.0012	.0111	.0075	.6815	7.739	17.74	.1597
#2	-.0032	.0085	-.0004	.6860	7.567	17.89	.1638
#3	.0012	.0103	.0081	.7024	7.768	18.30	.1675
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	223.8	.0051	.0208	.0224	.0037	.0120
SDev	.0030	1.4	.0012	.0104	.0184	.0102	.0320
%RSD	109.6	.6410	23.22	49.89	82.32	275.9	266.3
#1	.0056	222.2	.0040	.0093	.0019	-.0075	-.0224
#2	-.0004	224.6	.0051	.0239	.0377	.0060	.0176
#3	.0030	224.7	.0064	.0293	.0276	.0126	.0408
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0249	.0083					
SDev	.0011	.0011					
%RSD	4.289	13.47					
#1	.0239	.0092					
#2	.0248	.0070					
#3	.0260	.0087					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

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QC Standard

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page 1

Method: CLPMO

Sample Name: CCV

Operator: RM

Run Time: 09/18/94 14:33:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.015	19.33	.9909	18.87	.4942	0.0030	.5199
SDev	.001	.11	.0106	.11	.0022	.0020	.0020
%RSD	.1250	.5745	1.073	.5886	.4415	65.98	.3879
#1	1.016	19.33	.9882	18.85	.4962	0.0041	.5222
#2	1.016	19.44	1.003	18.99	.4944	0.0007	.5186
#3	1.014	19.21	.9818	18.76	.4919	0.0041	.5188
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	1.000	20.00	1.000	20.00	.5000	50.00	.5000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.098	1.027	2.388	9.955	0.0724	0.0114	1.519
SDev	.007	.004	.012	.017	.0689	.0223	.002
%RSD	.1373	.3809	.5147	.1725	95.17	195.2	.1580
#1	5.103	1.024	2.394	9.969	0.0592	0.0324	1.521
#2	5.090	1.025	2.397	9.961	0.0110	0-.0121	1.520
#3	5.100	1.031	2.374	9.936	0.1469	0.0141	1.517
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass
Value	5.000	1.000	2.500	10.00	50.00	50.00	1.500
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.006	0.1351	4.088	.5075	0.0253	4.943	1.033
SDev	.005	.0254	.010	.0255	.0127	.037	.023
%RSD	.5174	18.82	.2404	5.034	50.28	.7498	2.214
#1	1.002	0.1617	4.099	.4896	0.0366	4.980	1.028
#2	1.004	0.1111	4.080	.4960	0.0277	4.906	1.058
#3	1.012	0.1325	4.085	.5367	0.0115	4.942	1.014
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.000	50.00	4.000	.5000	5.000	5.000	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	4.953	2.002					
SDev	.013	.002					
%RSD	.2723	.1124					
#1	4.963	2.005					
#2	4.958	2.001					
#3	4.938	2.001					
Errors	QC Pass	QC Pass					
Value	5.000	0.000					
Range	10.00	10.00					

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QC Standard

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Range 10.00 10.00

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QC Standard

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page 1

Method: CLPMO Sample Name: CCVAG

Operator: RM

Run Time: 09/18/94 14:40:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9535	.0087	.0077	.0041	.0002	51.73	.0094
SDev	.0025	.0157	.0038	.0017	.0001	.35	.0010
%RSD	.2580	180.5	49.20	41.22	29.11	.6751	10.50

#1	.9507	-.0039	.0036	.0058	.0003	51.36	.0101
#2	.9547	.0263	.0084	.0041	.0002	52.06	.0097
#3	.9552	.0037	.0111	.0024	.0002	51.76	.0083

Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0106	.0087	.0057	46.84	49.14	.0028
SDev	.0008	.0056	.0020	.0011	.21	.20	.0002
%RSD	87.45	52.22	23.51	19.89	.4408	.4115	7.141

#1	.0014	.0042	.0109	.0045	46.89	48.96	.0028
#2	.0012	.0134	.0070	.0067	46.62	49.36	.0030
#3	-.0000	.0143	.0081	.0060	47.03	49.10	.0026

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	

Elem	Mo2020	Na5889	N12316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043	46.63	.0058	.0137	4.828	.0191	.0006
SDev	.0026	.27	.0016	.0277	.020	.0220	.0177
%RSD	60.84	.5799	27.58	203.0	.4047	114.8	3138.

#1	.0060	46.83	.0063	-.0184	4.806	.0445	.0017
#2	.0056	46.32	.0071	.0296	4.843	.0056	-.0177
#3	.0013	46.74	.0040	.0297	4.836	.0074	.0177

Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avg	.0036	.0150
SDev	.0009	.0004
%RSD	26.18	3.016

#1	.0025.	.0148
#2	.0043	.0155
#3	.0041	.0147

Errors	NOCHECK	NOCHECK
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Range

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/18/94 14:47:25

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040	.0163	.0022	.0004	.0001	.0061	.0006
SDev	.0012	.0067	.0114	.0011	.0000	.0077	.0019
%RSD	29.97	40.90	514.2	267.4	30.33	125.6	339.5
#1	.0040	.0239	-.0078	.0005	.0002	.0097	-.0016
#2	.0053	.0138	.0146	.0014	.0001	.0114	.0013
#3	.0028	.0113	-.0001	-.0007	.0001	-.0027	.0020
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0020	.0001	-.0006	-.0000	-.0180	.0087	.0024
SDev	.0022	.0040	.0040	.0020	.0564	.0057	.0003
%RSD	113.3	3289.	702.4	30560.	313.7	65.26	13.09
#1	-.0015	-.0045	-.0009	-.0015	-.0196	.0061	.0020
#2	-.0000	.0017	.0036	.0022	.0392	.0048	.0026
#3	-.0044	.0031	-.0043	-.0008	-.0735	.0153	.0024
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.1133	-.0002	.0130	-.0067	.0038	.0002
SDev	.0028	.0039	.0015	.0160	.0070	.0195	.0162
%RSD	177.6	3.474	849.8	122.6	104.5	508.4	8703.
#1	-.0013	.1091	-.0005	.0052	-.0096	.0197	-.0025
#2	.0043	.1140	.0015	.0025	.0013	.0098	.0175
#3	.0017	.1169	-.0014	0.0314	-.0118	-.0179	-.0145
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0017	.0037					
SDev	.0005	.0009					
%RSD	28.85	23.29					
#1	.0014	.0028					
#2	.0015	.0039					
#3	.0023	.0045					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					
Range	.0010	.0010					

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QC Standard

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Range .0500 .0200

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QC Standard

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Range .0500 .0200

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Method: CLPMO Sample Name: 4664-02

Operator: RM

Run Time: 09/18/94 14:54:33

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076	.0893	.0994	.0562	.0002	76.23	.0144
SDev	.0023	.0076	.0024	.0010	.0001	.19	.0008
%RSD	30.55	8.574	2.451	1.819	36.35	.2483	5.625
#1	.0050	.0959	.1006	.0569	.0001	76.43	.0145
#2	.0088	.0809	.1011	.0550	.0002	76.05	.0151
#3	.0091	.0909	.0966	.0566	.0003	76.20	.0135
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	.0247	.0219	3.256	37.92	87.42	.7798
SDev	.0017	.0063	.0028	.021	.49	.50	.0028
%RSD	71.19	25.51	12.76	.6535	1.297	.5694	.3583
#1	.0012	.0207	.0200	3.277	38.37	87.94	.7822
#2	.0017	.0215	.0205	3.235	37.39	86.95	.7767
#3	.0044	.0320	.0251	3.255	38.00	87.37	.7804
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0184	H1027.	.0184	.0478	.0260	.0178	.0065
SDev	.0011	14.	.0043	.0172	.0186	.0166	.0085
%RSD	5.897	1.318	23.20	35.97	71.30	93.48	129.7
#1	.0173	H1039.	.0135	.0406	.0049	.0338	-.0032
#2	.0182	H1012.	.0205	.0354	.0398	.0188	.0107
#3	.0195	H1029.	.0213	.0674	.0333	.0007	.0121
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1067	.0182					
SDev	.0006	.0000					
%RSD	.5713	.1032					
#1	.1068	.0182					
#2	.1060	.0182					
#3	.1072	.0182					
Errors	LC Pass	LC Pass					

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Method: CLPMO Sample Name: 4664-03D

Operator: RM

Run Time: 09/18/94 15:01:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039	.0092	.0141	.0081	.0001	15.27	.0035
SDev	.0005	.0211	.0075	.0002	.0000	.17	.0006
%RSD	13.90	230.3	53.61	2.903	.3012	1.123	16.81
#1	.0044	.0335	.0140	.0083	.0001	15.13	.0042
#2	.0040	-.0042	.0065	.0079	.0001	15.21	.0032
#3	.0033	-.0018	.0216	.0079	.0001	15.46	.0032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0028	.0021	.1828	7.501	17.07	.1366
SDev	.0008	.0053	.0017	.0032	.049	.21	.0016
%RSD	88.14	190.5	83.32	1.779	.6528	1.238	1.162
#1	-.0000	-.0005	.0036	.1806	7.445	16.87	.1356
#2	-.0012	-.0001	.0025	.1813	7.519	17.05	.1358
#3	-.0015	.0089	.0002	.1866	7.538	17.30	.1384
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	223.5	.0034	-.0115	.0110	.0038	-.0101
SDev	.0024	3.6	.0011	.0226	.0111	.0238	.0095
%RSD	51.60	1.626	31.22	196.0	100.9	617.1	93.55
#1	.0073	219.4	.0032	-.0294	.0146	.0148	-.0013
#2	.0030	226.4	.0025	-.0191	-.0015	-.0234	-.0201
#3	.0034	224.6	.0045	.0139	.0199	.0202	-.0090
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0205	.0053					
SDev	.0001	.0006					
%RSD	.3606	10.76					
#1	.0205	.0053					
#2	.0206	.0047					
#3	.0206	.0058					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0250					

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Analysis Report

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Method: CLPMO Sample Name: 4664-03

Operator: RM

Run Time: 09/18/94 15:09:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061	.0122	.0800	.0366	.0002	73.83	.0134
SDev	.0032	.0132	.0123	.0009	.0001	.43	.0007
%RSD	53.05	107.5	15.31	2.341	62.03	.5783	5.291
#1	.0024	.0256	.0773	.0361	.0001	74.02	.0142
#2	.0082	.0119	.0694	.0376	.0003	73.34	.0130
#3	.0077	-.0007	.0934	.0361	.0001	74.13	.0130
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0106	.0094	.8629	37.36	84.01	.6572
SDev	.0029	.0033	.0077	.0067	.78	.85	.0067
%RSD	975.1	30.74	81.90	.7799	2.077	1.008	1.026
#1	-.0017	.0071	.0025	.8694	38.19	84.79	.6635
#2	.0036	.0136	.0177	.8559	36.66	83.11	.6501
#3	-.0011	.0112	.0081	.8634	37.22	84.14	.6580
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0186	H1020.	.0135	.0009	.0136	.0046	.0019
SDev	.0055	24.	.0051	.0363	.0191	.0182	.0128
%RSD	29.66	2.329	37.82	3913.	140.0	401.1	668.8
#1	.0163	H1046.	.0106	-.0036	.0107	.0085	-.0061
#2	.0249	998.4	.0194	.0392	.0340	-.0154	-.0048
#3	.0146	H1017.	.0106	-.0329	-.0038	.0205	.0167
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0966	.0086					
SDev	.0018	.0003					
%RSD	1.861	2.960					
#1	.0984	.0084					
#2	.0966	.0089					
#3	.0948	.0086					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

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Analysis Report

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Method: CLPMO Sample Name: 4605-23

Operator: RM

Run Time: 09/18/94 15:16:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	8.592	.0337	.0912	.0017	2.114	.0026
SDev	.0016	.124	.0058	.0010	.0000	.024	.0015
%RSD	151.0	1.446	17.17	1.111	.3898	1.117	57.30
#1	.0019	8.674	.0321	.0917	.0017	2.131	.0024
#2	-.0008	8.653	.0401	.0917	.0017	2.124	.0012
#3	.0021	8.449	.0289	.0900	.0017	2.087	.0043
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035	.0137	.0185	26.90	1.278	1.487	.8717
SDev	.0003	.0063	.0021	.31	.032	.015	.0095
%RSD	7.506	46.25	11.59	1.166	2.514	.9838	1.084
#1	.0036	.0128	.0194	27.10	1.312	1.498	.8775
#2	.0032	.0078	.0160	27.06	1.248	1.493	.8769
#3	.0036	.0203	.0200	26.54	1.273	1.470	.8608
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050	.7571	.0136	.0367	.0080	-.0015	L-.0337
SDev	.0004	.0278	.0012	.0198	.0084	.0101	.0079
%RSD	8.475	3.670	9.164	53.86	105.0	668.8	23.54
#1	.0046	.7853	.0139	.0232	.0173	-.0122	L-.0289
#2	.0055	.7561	.0122	.0594	.0009	-.0001	L-.0429
#3	.0050	.7298	.0146	.0274	.0057	.0078	L-.0294
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0162	.1214					
SDev	.0025	.0012					
%RSD	15.68	.9796					
#1	.0134	.1227					
#2	.0184	.1205					
#3	.0168	.1209					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0250					

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Method: CLPMO Sample Name: 4605-24

Operator: RM

Run Time: 09/18/94 15:23:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0049	9.215	.0312	.2587	.0504	5.314	.0019
SDev	.0009	.053	.0070	.0010	.0002	.041	.0012
%RSD	18.82	.5703	22.40	.4053	.3547	.7764	64.16
#1	.0050	9.198	.0232	.2575	.0504	5.319	.0022
#2	.0040	9.274	.0362	.2595	.0506	5.353	.0029
#3	.0058	9.174	.0341	.2590	.0503	5.271	.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0217	.0746	3.212	22.55	1.500	2.496	.6380
SDev	.0005	.0039	.002	.14	.050	.045	.0038
%RSD	2.101	5.158	.0516	.6278	3.337	1.794	.5963
#1	.0217	.0783	3.211	22.57	1.443	2.502	.6395
#2	.0213	.0706	3.214	22.67	1.521	2.537	.6407
#3	.0222	.0748	3.211	22.39	1.536	2.448	.6336
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0048	.6765	.0496	.3489	.0283	-.0289	L-.0342
SDev	.0013	.0161	.0039	.0386	.0124	.0130	.0035
%RSD	27.01	2.377	7.820	11.07	43.98	44.97	10.15
#1	.0061	.6811	.0532	.3771	.0423	-.0167	L-.0334
#2	.0048	.6898	.0501	.3648	.0183	-.0274	L-.0312
#3	.0035	.6587	.0455	.3049	.0244	L-.0426	L-.0380
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0206	.1926					
SDev	.0013	.0016					
%RSD	6.213	.8320					
#1	.0198	.1913					
#2	.0221	.1944					
#3	.0198	.1922					
Errors	LC Pass	LC Pass					

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-25

Operator: RM

Run Time: 09/18/94 15:30:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	36.82	.0652	.4385	.0124	65.28	.0056
SDev	.0035	.17	.0084	.0018	.0001	.97	.0003
%RSD	121.4	.4520	12.96	.4099	.5947	1.489	5.686
#1	.0065	36.80	.0713	.4370	.0125	66.39	.0053
#2	-.0005	37.00	.0688	.4405	.0123	64.86	.0059
#3	.0026	36.67	.0556	.4381	.0123	64.58	.0055
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0182	.0514	.2187	41.57	6.166	8.120	1.094
SDev	.0032	.0085	.0042	.34	.162	.092	.009
%RSD	17.64	16.53	1.904	.8275	2.626	1.128	.8645
#1	.0219	.0612	.2224	41.93	6.337	8.222	1.104
#2	.0158	.0455	.2142	41.54	6.015	8.092	1.092
#3	.0170	.0477	.2196	41.25	6.147	8.046	1.085
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0089	.7675	.0402	.2237	.0003	.0011	L-.0430
SDev	.0064	.0327	.0032	.0426	.0204	.0120	.0165
%RSD	71.91	4.261	8.078	19.02	7630.	1059.	38.50
#1	.0115	.7990	.0437	.2728	.0138	.0142	L-.0275
#2	.0016	.7337	.0374	.2024	-.0232	-.0016	L-.0410
#3	.0136	.7697	.0394	.1961	.0102	-.0093	L-.0604
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0682	.1502					
SDev	.0024	.0025					
%RSD	3.446	1.670					
#1	.0709	.1527					
#2	.0665	.1500					
#3	.0673	.1477					
Errors	LC Pass	LC Pass					

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-26

Operator: RM

Run Time: 09/18/94 15:37:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035	19.16	.0536	.3199	.0161	86.34	.0021
SDev	.0015	.04	.0114	.0014	.0001	.58	.0016
%RSD	44.00	.2058	21.25	.4330	.4131	.6675	77.34
#1	.0035	19.20	.0667	.3215	.0161	86.80	.0035
#2	.0050	19.13	.0481	.3196	.0161	85.69	.0024
#3	.0020	19.14	.0460	.3188	.0162	86.52	.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088	.0517	.2971	31.32	3.235	5.748	.8371
SDev	.0008	.0006	.0037	.16	.101	.043	.0053
%RSD	9.137	1.208	1.256	.5224	3.130	.7417	.6337
#1	.0097	.0516	.3004	31.43	3.318	5.783	.8413
#2	.0085	.0524	.2979	31.13	3.265	5.700	.8312
#3	.0082	.0512	.2931	31.39	3.122	5.761	.8389
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.7161	.0273	.2968	.0062	.0292	L-.0325
SDev	.0020	.0136	.0015	.0041	.0116	.0385	.0117
%RSD	136.9	1.905	5.636	1.377	188.1	132.0	35.95
#1	.0010	.7103	.0289	.2927	.0008	.0130	L-.0440
#2	.0036	.7317	.0259	.3008	.0194	.0013	-.0206
#3	-.0003	.7064	.0270	.2968	-.0018	.0731	L-.0329
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0554	.1299					
SDev	.0013	.0023					
%RSD	2.351	1.752					
#1	.0565	.1314					
#2	.0540	.1273					
#3	.0557	.1311					
Errors	LC Pass	LC Pass					
High	100.0	100.0					
Low	-.0100	-.0100					

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-27

Operator: RM

Run Time: 09/18/94 15:44:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	22.13	.0583	.4193	.0171	79.06	.0042
SDev	.0001	.15	.0029	.0029	.0001	.14	.0013
%RSD	1.541	.6727	4.906	.6851	.6179	.1795	30.98
#1	.0045	22.30	.0610	.4224	.0172	79.22	.0027
#2	.0045	22.07	.0553	.4188	.0171	78.98	.0047
#3	.0046	22.02	.0586	.4168	.0169	78.97	.0052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0133	.0509	.5014	37.81	4.071	6.444	.9579
SDev	.0014	.0017	.0012	.15	.060	.045	.0044
%RSD	10.34	3.402	.2458	.4031	1.473	.6931	.4571
#1	.0118	.0489	.5020	37.97	4.005	6.486	.9629
#2	.0146	.0520	.5023	37.77	4.123	6.450	.9563
#3	.0134	.0518	.5000	37.68	4.084	6.397	.9545
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	.7925	.0316	.1829	.0154	.0185	L-.0279
SDev	.0026	.0123	.0008	.0164	.0136	.0146	.0086
%RSD	97.71	1.557	2.381	8.947	88.50	78.62	30.68
#1	.0044	.7814	.0312	.1711	.0203	.0117	-.0186
#2	-.0003	.7902	.0312	.1760	-.0000	.0352	L-.0297
#3	.0040	.8058	.0325	.2016	.0259	.0086	L-.0354
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0662	.1527					
SDev	.0001	.0008					
%RSD	.1829	.5441					
#1	.0661	.1520					
#2	.0661	.1525					
#3	.0663	.1537					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low							

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-28

Operator: RM

Run Time: 09/18/94 15:51:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037	33.08	.0581	.4699	.0083	35.71	.0043
SDev	.0007	.33	.0078	.0056	.0000	.12	.0018
%RSD	19.72	1.011	13.40	1.202	.0376	.3478	41.50
#1	.0040	32.93	.0512	.4667	.0083	35.69	.0022
#2	.0043	32.85	.0565	.4666	.0083	35.59	.0054
#3	.0029	33.47	.0665	.4764	.0083	35.84	.0052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0174	.0376	.2110	35.92	6.164	7.293	1.043
SDev	.0007	.0014	.0019	.19	.198	.039	.004
%RSD	4.033	3.783	.9120	.5271	3.206	.5317	.3541
#1	.0170	.0391	.2088	35.90	5.953	7.280	1.042
#2	.0182	.0363	.2116	35.74	6.193	7.262	1.040
#3	.0170	.0373	.2125	36.12	6.345	7.337	1.047
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036	.5944	.0339	.1261	.0036	.0203	L-.0436
SDev	.0009	.0195	.0019	.0011	.0245	.0106	.0032
%RSD	24.75	3.275	5.462	.8561	673.1	52.52	7.288
#1	.0039	.5719	.0357	.1261	-.0063	.0166	L-.0402
#2	.0043	.6070	.0339	.1271	.0315	.0120	L-.0442
#3	.0026	.6041	.0320	.1250	-.0143	.0322	L-.0465
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0656	.1696					
SDev	.0012	.0003					
%RSD	1.866	.1629					
#1	.0662	.1699					
#2	.0664	.1693					
#3	.0642	.1697					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO Sample Name: 4605-29

Operator: RM

Run Time: 09/18/94 15:58:56

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0067	16.64	.0588	.4421	.0072	191.3	.0036
SDev	.0010	.15	.0132	.0046	.0000	2.0	.0009
%RSD	15.52	.8883	22.51	1.051	.1505	1.053	24.84
#1	.0067	16.77	.0464	.4458	.0072	193.1	.0035
#2	.0057	16.48	.0727	.4369	.0071	191.6	.0045
#3	.0077	16.68	.0574	.4436	.0072	189.1	.0027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0161	.0730	.5658	36.90	2.438	7.092	.8877
SDev	.0030	.0072	.0026	.28	.105	.071	.0075
%RSD	18.41	9.811	.4643	.7690	4.321	1.002	.8461
#1	.0164	.0711	.5687	37.23	2.422	7.174	.8964
#2	.0190	.0809	.5650	36.75	2.550	7.047	.8836
#3	.0130	.0670	.5636	36.73	2.342	7.055	.8832
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	.7983	.0558	.1678	-.0029	-.0127	L-.0362
SDev	.0023	.0373	.0034	.0169	.0137	.0118	.0129
%RSD	26.37	4.672	6.126	10.08	473.6	93.34	35.70
#1	.0095	.7931	.0568	.1486	.0103	-.0107	L-.0383
#2	.0104	.8379	.0585	.1804	-.0020	-.0254	-.0224
#3	.0061	.7639	.0519	.1744	-.0171	-.0019	L-.0480
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0745	.1170					
SDev	.0042	.0006					
%RSD	5.684	.5054					
#1	.0730	.1166					
#2	.0793	.1177					
#3	.0713	.1167					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

Analysis Report

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Low -.0500 -.0200

Method: CLPMO Sample Name: CCV

Operator: RM

Run Time: 09/18/94 16:06:18

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	19.79	.9966	19.55	.4998	0.0147	.5183
SDev	.009	.18	.0037	.17	.0045	.0085	.0081
%RSD	.8656	.9258	.3672	.8814	.8938	57.84	1.561
#1	1.039	19.86	.9997	19.59	.4995	0.0221	.5183
#2	1.026	19.58	.9926	19.36	.4955	0.0165	.5101
#3	1.043	19.93	.9977	19.70	.5044	0.0054	.5263
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	1.000	20.00	1.000	20.00	.5000	50.00	.5000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.095	1.036	2.469	9.956	0.1075	0.0019	1.535
SDev	.063	.012	.016	.107	.0550	.0110	.017
%RSD	1.240	1.191	.6387	1.074	51.13	577.2	1.076
#1	5.080	1.037	2.476	9.947	0.0440	0-.0016	1.534
#2	5.041	1.023	2.451	9.854	0.1407	0-.0069	1.519
#3	5.165	1.047	2.481	10.07	0.1378	0.0142	1.552
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass
Value	5.000	1.000	2.500	10.00	50.00	50.00	1.500
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.009	0.0893	4.092	.5185	0-.0111	5.022	1.017
SDev	.007	.0104	.049	.0073	.0151	.043	.031
%RSD	.6505	11.66	1.186	1.407	136.0	.8476	3.067
#1	1.008	0.0838	4.074	.5103	0-.0214	4.983	.9933
#2	1.004	0.0828	4.055	.5211	0.0062	5.017	1.052
#3	1.017	0.1013	4.147	.5242	0-.0180	5.068	1.005
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.000	50.00	4.000	.5000	5.000	5.000	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	5.003	2.011					
SDev	.046	.013					
%RSD	.9188	.6334					
#1	5.001	2.011					
#2	4.958	1.998					
#3	5.050	2.024					
Errors	QC Pass	QC Pass					
Value	5.000	2.000					
Range	10.00	10.00					

Analysis Report

QC Standard

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Range 10.00 10.00

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/18/94 16:13:40

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	-.0046	.0026	.0031	.0002	52.50	.0091
SDev	.010	.0179	.0061	.0015	.0001	.66	.0018
%RSD	1.017	385.6	237.8	47.79	50.94	1.254	19.88
#1	1.001	.0037	.0067	.0043	.0002	52.37	.0111
#2	1.012	.0075	.0055	.0037	.0003	53.22	.0089
#3	.9921	-.0252	-.0045	.0014	.0001	51.93	.0075
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0060	.0093	.0035	50.62	50.66	.0026
SDev	.0029	.0071	.0022	.0030	.58	.52	.0006
%RSD	312.8	119.1	23.54	86.56	1.151	1.020	25.39
#1	.0018	.0009	.0087	.0030	50.68	50.62	.0030
#2	.0032	.0141	.0118	.0067	51.17	51.20	.0028
#3	-.0023	.0029	.0075	.0007	50.01	50.17	.0018
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	50.79	.0026	-.0163	5.041	.0233	.0067
SDev	.0009	.27	.0011	.0128	.072	.0175	.0181
%RSD	89.10	.5286	41.36	78.20	1.419	74.81	268.3
#1	.0013	50.81	.0029	-.0162	5.088	.0039	.0261
#2	.0000	51.04	.0014	-.0036	5.076	.0378	.0037
#3	.0017	50.51	.0035	-.0292	4.959	.0283	-.0096
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	-.0005	.0135					
SDev	.0008	.0008					
%RSD	151.3	6.142					
#1	.0004	.0138					
#2	-.0011	.0141					
#3	-.0009	.0126					
Errors	NOCHECK	NOCHECK					

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QC Standard

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Range

Analysis Report

QC Standard

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page 1

Method: CLPMO Sample Name: CCB

Operator: RM

Run Time: 09/18/94 16:20:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	.0079	.0031	-.0001	.0001	.0019	-.0003
SDev	.0017	.0129	.0047	.0005	.0001	.0033	.0002
%RSD	67.93	162.5	152.0	404.1	65.77	179.2	74.30
#1	.0026	.0188	.0070	.0004	.0001	.0046	-.0004
#2	.0007	.0114	.0043	-.0000	.0002	.0029	-.0000
#3	.0041	-.0063	-.0021	-.0007	.0000	-.0019	-.0004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	.0009	-.0027	-.0003	-.0457	.0044	.0007
SDev	.0029	.0050	.0027	.0019	.0797	.0126	.0015
%RSD	152.2	570.3	100.5	741.3	174.2	288.2	197.3
#1	-.0002	-.0033	-.0021	-.0023	.0245	.0179	.0024
#2	-.0003	-.0005	-.0004	.0000	-.0294	.0022	-.0000
#3	-.0052	.0064	-.0057	.0015	-.1323	-.0070	-.0002
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0022	.0965	-.0010	.0032	-.0087	-.0128	-.0176
SDev	.0022	.0234	.0026	.0159	.0140	.0134	.0119
%RSD	103.9	24.26	266.3	501.7	160.5	104.6	67.35
#1	-.0009	.1228	-.0005	.0124	.0068	-.0001	-.0085
#2	-.0009	.0779	.0014	.0124	-.0205	-.0115	-.0310
#3	-.0047	.0887	-.0038	-.0152	-.0125	-.0267	-.0133
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0014	.0032					
SDev	.0025	.0008					
%RSD	177.9	25.67					
#1	.0037	.0035					
#2	-.0013	.0038					
#3	.0019	.0023					
Errors	QC Pass	QC Pass					

Analysis Report

QC Standard

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Range .0500 .0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-30

Operator: RM

Run Time: 09/18/94 16:27:56

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	43.89	.0505	.4541	.0095	39.22	.0038
SDev	.0030	.53	.0018	.0068	.0001	.22	.0005
%RSD	174.1	1.209	3.574	1.491	.8775	.5553	13.91
#1	-.0052	44.49	.0506	.4618	.0095	39.13	.0032
#2	.0004	43.49	.0486	.4496	.0095	39.07	.0041
#3	-.0004	43.70	.0523	.4508	.0094	39.47	.0041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0151	.0347	.1482	40.98	6.413	7.676	.9388
SDev	.0029	.0051	.0056	.24	.124	.033	.0052
%RSD	19.01	14.59	3.768	.5937	1.941	.4272	.5482
#1	.0126	.0293	.1432	41.17	6.269	7.695	.9427
#2	.0182	.0393	.1543	40.71	6.490	7.638	.9330
#3	.0144	.0355	.1472	41.07	6.479	7.694	.9407
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.6655	.0311	.1270	-.0126	.0108	L-.0549
SDev	.0029	.0246	.0043	.0181	.0203	.0302	.0103
%RSD	661.5	3.695	13.67	14.22	161.2	280.6	18.73
#1	-.0014	.6382	.0265	.1072	-.0116	-.0180	L-.0665
#2	.0037	.6723	.0349	.1311	L-.0335	.0422	L-.0516
#3	-.0010	.6859	.0318	.1426	.0072	.0081	L-.0467
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0717	.1436					
SDev	.0017	.0005					
%RSD	2.318	.3254					
#1	.0700	.1441					
#2	.0719	.1431					
#3	.0733	.1435					
Errors	LC Pass	LC Pass					
High							
Low							

Analysis Report

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4605-31

Operator: RM

Run Time: 09/18/94 16:35:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0032	61.21	.0933	.6750	.0061	12.49	.0046
SDev	.0003	.55	.0128	.0069	.0000	.12	.0014
%RSD	10.69	.9054	13.70	1.015	.0220	.9964	30.19
#1	-.0029	61.70	.0882	.6814	.0061	12.55	.0051
#2	-.0036	60.61	.0837	.6678	.0061	12.35	.0056
#3	-.0030	61.33	.1078	.6758	.0061	12.58	.0030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0322	.0529	.0843	67.00	9.234	9.005	1.999
SDev	.0010	.0010	.0027	.64	.096	.048	.017
%RSD	3.271	1.865	3.168	.9537	1.036	.5375	.8506
#1	.0328	.0518	.0864	67.33	9.332	9.030	2.008
#2	.0328	.0530	.0853	66.26	9.230	8.949	1.980
#3	.0310	.0538	.0813	67.40	9.141	9.035	2.010
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	.6619	.0473	.1344	-.0016	-.0045	L-.0894
SDev	.0027	.0305	.0013	.0169	.0272	.0290	.0076
%RSD	74.86	4.614	2.691	12.61	1743.	637.6	8.457
#1	.0044	.6538	.0462	.1534	-.0009	-.0095	L-.0963
#2	.0057	.6957	.0487	.1292	.0253	-.0307	L-.0813
#3	.0006	.6362	.0470	.1207	-.0292	.0266	L-.0906
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1257	.1551					
SDev	.0005	.0013					
%RSD	.4217	.8242					
#1	.1252	.1553					
#2	.1262	.1538					
#3	.1259	.1563					
Errors	LC Pass	LC Pass					

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-.0200

Analysis Report

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Method: CLPMO Sample Name: 4605-32

Operator: RM

Run Time: 09/18/94 16:42:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	77.58	.0953	1.409	.0061	26.66	.0046
SDev	.0009	1.45	.0057	.029	.0000	.37	.0006
%RSD	68.21	1.870	5.963	2.058	.0270	1.381	12.44
#1	-.0011	77.34	.0979	1.404	.0061	26.55	.0042
#2	-.0005	79.13	.0888	1.440	.0061	27.07	.0053
#3	-.0022	76.26	.0993	1.383	.0061	26.36	.0044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0226	.0544	.0486	64.64	14.11	16.09	1.218
SDev	.0026	.0024	.0051	.90	.45	.25	.017
%RSD	11.30	4.452	10.42	1.386	3.174	1.546	1.369
#1	.0210	.0553	.0454	64.28	14.20	15.99	1.213
#2	.0213	.0563	.0460	65.66	14.50	16.37	1.237
#3	.0255	.0517	.0545	63.98	13.62	15.90	1.205
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	5.177	.0493	.0634	-.0042	-.0171	L-.0514
SDev	.0054	.157	.0008	.0134	.0378	.0140	.0104
%RSD	201.3	3.036	1.637	21.18	909.2	81.99	20.21
#1	-.0000	5.225	.0484	.0584	L-.0355	-.0009	L-.0456
#2	-.0008	5.304	.0497	.0786	.0378	-.0253	L-.0634
#3	.0090	5.001	.0498	.0532	-.0148	-.0251	L-.0453
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1006	.1623					
SDev	.0006	.0022					
%RSD	.6389	1.375					
#1	.1007	.1610					
#2	.1011	.1648					
#3	.0999	.1609					
Errors	LC Pass	LC Pass					

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Method: CLPMO Sample Name: 4605-33

Operator: RM

Run Time: 09/18/94 16:49:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	69.89	.0885	.6893	.0047	10.39	.0072
SDev	.0033	.07	.0121	.0003	.0000	.13	.0021
%RSD	954.8	.1070	13.67	.0408	.7930	1.299	28.70
#1	.0034	69.97	.0985	.6895	.0047	10.55	.0095
#2	-.0029	69.85	.0920	.6890	.0047	10.33	.0058
#3	-.0015	69.83	.0751	.6894	.0047	10.30	.0062
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0347	.0568	.0971	64.00	11.88	10.52	1.700
SDev	.0019	.0062	.0019	.39	.15	.06	.010
%RSD	5.507	10.90	1.939	.6051	1.281	.5539	.6053
#1	.0345	.0638	.0980	64.45	12.05	10.59	1.712
#2	.0368	.0520	.0983	63.83	11.75	10.51	1.697
#3	.0330	.0547	.0949	63.74	11.83	10.47	1.693
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.8948	.0448	.1736	.0034	.0001	L-.0757
SDev	.0039	.0205	.0037	.0147	.0004	.0202	.0097
%RSD	260.5	2.288	8.307	8.494	12.85	23820.	12.83
#1	.0051	.9149	.0490	.1654	.0031	.0002	L-.0784
#2	.0021	.8954	.0434	.1906	.0033	-.0201	L-.0649
#3	-.0027	.8740	.0419	.1647	.0039	.0202	L-.0838
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1272	.1509					
SDev	.0014	.0022					
%RSD	1.134	1.483					
#1	.1288	.1483					
#2	.1266	.1522					
#3	.1261	.1521					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0100					

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Method: CLPMO Sample Name: 4605-34

Operator: RM

Run Time: 09/18/94 16:56:44

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	129.1	.2569	1.813	.0042	74.68	.0161
SDev	.0028	1.0	.0102	.014	.0000	.66	.0013
%RSD	182.6	.7938	3.970	.7840	.9337	.8876	8.225
#1	.0033	128.7	.2538	1.807	.0042	74.28	.0160
#2	.0029	128.3	.2485	1.802	.0042	74.31	.0148
#3	-.0017	130.2	.2682	1.829	.0042	75.45	.0174
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0619	.3770	.1692	142.8	19.09	64.87	2.441
SDev	.0011	.0059	.0020	1.4	.02	.62	.022
%RSD	1.774	1.561	1.157	.9679	.1022	.9563	.9070
#1	.0626	.3836	.1670	142.0	19.09	64.57	2.432
#2	.0606	.3723	.1704	141.9	19.07	64.45	2.425
#3	.0625	.3752	.1704	144.4	19.11	65.58	2.466
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	3.663	.3887	.1404	.0065	.0030	L-.0829
SDev	.0012	.010	.0030	.0166	.0175	.0234	.0144
%RSD	21.64	.2624	.7692	11.84	268.2	769.4	17.40
#1	.0059	3.657	.3907	.1595	-.0059	-.0210	L-.0719
#2	.0042	3.674	.3852	.1292	-.0011	.0258	L-.0776
#3	.0065	3.659	.3900	.1325	.0266	.0044	L-.0992
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.3573	.4690					
SDev	.0030	.0053					
%RSD	.8422	1.130					
#1	.3568	.4683					
#2	.3546	.4641					
#3	.3606	.4746					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0250					

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Method: CLPMO Sample Name: 4605-35D

Operator: RM

Run Time: 09/18/94 17:03:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0098	4.546	.1529	.0736	.0004	1.039	.0053
SDev	.0020	.043	.0070	.0006	.0000	.005	.0010
%RSD	20.75	.9517	4.602	.8475	9.193	.4876	20.03
#1	.0088	4.537	.1607	.0739	.0004	1.042	.0044
#2	.0122	4.507	.1470	.0728	.0004	1.033	.0065
#3	.0086	4.593	.1510	.0739	.0005	1.041	.0049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0058	.6566	6.726	1.164	1.290	2.004
SDev	.0008	.0051	.0035	.050	.064	.010	.016
%RSD	77.14	87.97	.5377	.7423	5.477	.8126	.7746
#1	.0017	.0025	.6577	6.703	1.229	1.279	1.997
#2	.0012	.0117	.6527	6.691	1.161	1.300	1.994
#3	.0002	.0032	.6594	6.783	1.102	1.291	2.022
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.2374	.0050	1.423	-.0005	-.0058	L-.0280
SDev	.0011	.0129	.0013	.014	.0203	.0148	.0100
%RSD	111.2	5.450	25.81	1.014	3924.	254.2	35.75
#1	.0021	.2299	.0039	1.421	-.0095	.0098	-.0165
#2	-.0000	.2524	.0064	1.439	.0227	-.0075	L-.0328
#3	.0008	.2299	.0046	1.410	-.0148	-.0198	L-.0348
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0136	1.497					
SDev	.0009	.013					
%RSD	6.289	.8730					
#1	.0146	1.491					
#2	.0132	1.488					
#3	.0130	1.512					
Errors	LC Pass	LC Pass					

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Method: CLPMO

Sample Name: 4605-35

Operator: RM

Run Time: 09/18/94 17:10:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1442	92.81	3.139	1.504	.0060	21.20	.1142
SDev	.0029	.49	.042	.011	.0001	.30	.0034
%RSD	2.001	.5244	1.323	.7288	1.720	1.394	2.973
#1	.1470	93.17	3.144	1.514	.0059	21.03	.1105
#2	.1444	92.99	3.178	1.505	.0061	21.54	.1172
#3	.1413	92.25	3.095	1.493	.0060	21.03	.1148

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0472	.0810	13.56	134.2	24.26	26.79	H43.56
SDev	.0021	.0051	.07	1.3	.04	.20	.40
%RSD	4.393	6.306	.5266	.9484	.1470	.7432	.9150
#1	.0448	.0758	13.63	133.6	24.28	26.70	H43.42
#2	.0486	.0860	13.57	135.6	24.22	27.02	H44.00
#3	.0482	.0812	13.49	133.3	24.28	26.65	H43.24

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0838	2.897	.0597	H29.23	.0532	.0134	L-.2494
SDev	.0055	.016	.0027	.35	.0109	.0105	.0223
%RSD	6.524	.5437	4.584	1.200	20.53	78.44	8.930
#1	.0780	2.880	.0566	H29.01	.0406	.0087	L-.2567
#2	.0889	2.911	.0605	H29.63	.0594	.0255	L-.2244
#3	.0844	2.900	.0619	H29.04	.0597	.0061	L-.2671

Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.2474	30.53
SDev	.0011	.21
%RSD	.4649	.6962

#1	.2469	30.41
#2	.2487	30.78
#3	.2466	30.41

Errors	LC Pass	LC Pass
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Analysis Report

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Method: CLPMO Sample Name: 4605-36D

Operator: RM

Run Time: 09/18/94 17:18:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	16.75	.1258	.1729	.0012	21.77	.0436
SDev	.0012	.13	.0004	.0014	.0001	.08	.0004
%RSD	31.41	.7996	.3341	.7974	6.109	.3468	.9843
#1	.0042	16.60	.1261	.1719	.0011	21.70	.0437
#2	.0045	16.78	.1253	.1723	.0012	21.77	.0439
#3	.0024	16.87	.1260	.1745	.0012	21.85	.0431

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0091	.0217	.1142	21.11	3.970	7.219	.5179
SDev	.0010	.0011	.0021	.10	.142	.019	.0013
%RSD	11.56	5.001	1.858	.4513	3.579	.2627	.2522

#1	.0103	.0206	.1164	21.00	3.973	7.200	.5164
#2	.0085	.0227	.1121	21.14	3.826	7.221	.5184
#3	.0085	.0219	.1141	21.18	4.110	7.238	.5188

Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	.3644	.0209	1.261	.0017	.0236	-.0244
SDev	.0037	.0111	.0011	.029	.0121	.0193	.0049
%RSD	105.8	3.037	5.425	2.310	696.0	81.65	20.14

#1	.0077	.3771	.0209	1.277	-.0120	.0181	-.0209
#2	.0025	.3566	.0219	1.227	.0062	.0077	L-.0301
#3	.0004	.3595	.0197	1.278	.0110	.0451	-.0223

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0469	.3221
SDev	.0017	.0004
%RSD	3.608	.1125

#1	.0487	.3217
#2	.0469	.3222
#3	.0453	.3224

Errors	LC Pass	LC Pass
High	100.0	40.00

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Method: CLPMO Sample Name: 4605-36

Operator: RM

Run Time: 09/18/94 17:25:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0195	86.56	.6181	.8779	.0050	109.2	.2132
SDev	.0058	.56	.0046	.0069	.0002	2.1	.0026
%RSD	29.66	.6483	.7505	.7915	4.630	1.950	1.212
#1	.0216	87.02	.6130	.8835	.0052	111.6	.2158
#2	.0129	86.73	.6193	.8801	.0048	107.6	.2106
#3	.0239	85.94	.6220	.8701	.0050	108.3	.2133
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0419	.0991	.5342	103.5	21.07	37.03	2.583
SDev	.0040	.0127	.0049	1.4	.24	.37	.034
%RSD	9.503	12.79	.9227	1.328	1.146	1.008	1.325
#1	.0456	.1094	.5399	105.0	21.31	37.46	2.623
#2	.0377	.0850	.5308	102.5	21.07	36.78	2.562
#3	.0425	.1030	.5319	102.8	20.82	36.86	2.565
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	1.403	.0846	H6.233	.0269	.0109	L-.0584
SDev	.0073	.010	.0062	.114	.0085	.0253	.0105
%RSD	198.9	.7293	7.309	1.821	31.55	231.7	17.92
#1	.0067	1.414	.0889	H6.356	.0191	-.0181	L-.0554
#2	-.0047	1.393	.0775	H6.132	.0359	.0283	L-.0700
#3	.0091	1.403	.0873	H6.211	.0257	.0224	L-.0497
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.2311	1.604					
SDev	.0043	.015					
%RSD	1.860	.9077					
#1	.2353	1.620					
#2	.2267	1.592					
#3	.2314	1.600					
Errors	LC Pass	LC Pass					
High	100.0	100.00					
Low							

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: PBS0914B

Operator: RM

Run Time: 09/18/94 17:32:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	.0129	.0010	.0005	.0001	.0162	.0014
SDev	.0018	.0120	.0040	.0004	.0001	.0024	.0015
%RSD	39.82	92.47	388.5	72.16	161.9	14.49	108.7
#1	.0052	.0012	.0048	.0002	.0000	.0161	-.0000
#2	.0059	.0125	-.0031	.0009	.0002	.0187	.0013
#3	.0025	.0251	.0014	.0004	-.0000	.0140	.0030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.2000	.0100	.2000	.0050	5.000	.0050
Low	-.0100	-.2000	-.0100	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0064	.0103	.0055	.0457	.0253	.0020
SDev	.0013	.0045	.0025	.0017	.0242	.0213	.0010
%RSD	432.9	70.22	24.67	31.48	52.86	84.07	53.05
#1	-.0012	.0039	.0087	.0045	.0294	.0179	.0022
#2	.0012	H.0116	.0132	.0075	.0735	.0087	.0008
#3	-.0009	.0038	.0090	.0045	.0343	.0492	.0028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Low	-.0500	-.0100	-.0250	-.1000	-5.000	-5.000	-.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.2390	.0023	.0185	.0144	.0053	-.0125
SDev	.0041	.0156	.0007	.0161	.0090	.0039	.0126
%RSD	570.1	6.539	32.42	87.05	62.43	74.12	101.2
#1	.0009	.2241	.0014	.0035	.0113	.0008	-.0202
#2	.0047	.2377	.0027	.0355	.0075	.0078	-.0193
#3	-.0034	.2553	.0027	.0164	.0246	.0072	.0021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0200	5.000	.0400	.0500	.0600	.0600	.0500
Low	-.0200	-5.000	-.0400	-.0500	-.0600	-.0600	-.0500
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0021	.0051					
SDev	.0010	.0006					
%RSD	45.94	11.39					
#1	.0021	.0045					
#2	.0031	.0056					
#3	.0011	.0053					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: CCV

Operator: RM

Run Time: 09/18/94 17:39:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.029	19.61	1.007	19.31	.4951	0.0050	.5214
SDev	.006	.11	.001	.20	.0034	.0015	.0019
%RSD	.5905	.5858	.1297	1.019	.6914	30.90	.3666
#1	1.028	19.51	1.007	19.11	.4928	0.0037	.5232
#2	1.024	19.58	1.008	19.32	.4935	0.0067	.5194
#3	1.036	19.74	1.006	19.51	.4991	0.0046	.5217
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	1.000	20.00	1.000	20.00	.5000	50.00	.5000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.118	1.042	2.442	9.927	0.0979	0.0002	1.534
SDev	.018	.004	.022	.041	.0746	.0219	.005
%RSD	.3471	.3948	.9100	.4161	76.18	11430.	.3441
#1	5.120	1.047	2.421	9.908	0.0118	0.0194	1.533
#2	5.099	1.039	2.441	9.899	0.1404	0.0050	1.530
#3	5.135	1.041	2.465	9.975	0.1415	0-.0237	1.540
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass
Value	5.000	1.000	2.500	10.00	50.00	50.00	1.500
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.014	0.0991	4.111	.5094	0.0044	4.986	1.011
SDev	.006	.0337	.012	.0216	.0174	.037	.039
%RSD	.5756	33.99	.2854	4.232	390.2	.7454	3.869
#1	1.013	0.1315	4.115	.5313	0.0243	4.946	1.055
#2	1.008	0.1013	4.098	.5085	0-.0080	4.992	.9972
#3	1.020	0.0643	4.120	.4883	0-.0029	5.020	.9799
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.000	50.00	4.000	.5000	5.000	5.000	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	4.985	2.000					
SDev	.020	.013					
%RSD	.3996	.6626					
#1	4.973	1.996					
#2	4.974	1.990					
#3	5.008	2.015					
Errors	QC Pass	QC Pass					
Value	5.000	2.000					
Range	10.00	10.00					

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QC Standard

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Range 10.00 10.00

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/18/94 17:46:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9447	-.0064	.0046	.0023	.0002	49.32	.0080
SDev	.0071	.0126	.0029	.0006	.0000	.42	.0007
%RSD	.7471	197.4	63.74	27.26	19.14	.8449	9.211
#1	.9371	-.0189	.0034	.0031	.0002	48.90	.0079
#2	.9510	-.0064	.0025	.0021	.0002	49.73	.0088
#3	.9460	.0062	.0080	.0018	.0002	49.32	.0073
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	.0078	.0063	.0032	044.75 44.98	47.64	.0026
SDev	.0012	.0061	.0014	.0019	.28	.31	.0002
%RSD	122.2	78.34	22.09	58.13	.6218	.6435	7.700
#1	-.0023	.0009	.0047	.0015	044.53	47.33	.0024
#2	-.0006	.0100	.0070	.0052	45.07	47.94	.0028
#3	-.0000	.0124	.0073	.0030	044.69	47.65	.0026
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Fail	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	45.07	.0024	-.0024	4.779	.0404	-.0002
SDev	.0025	.27	.0012	.0271	.033	.0398	.0078
%RSD	351.6	.5927	49.88	1124.	.6952	98.64	3564.
#1	.0017	044.88	.0015	.0010	4.742	-.0017	.0028
#2	.0026	45.38	.0019	.0228	4.792	.0775	-.0091
#3	-.0021	044.95	.0038	-.0310	4.804	.0452	.0057
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0023	.0123					
SDev	.0008	.0007					
%RSD	35.59	5.733					
#1	.0013	.0116					
#2	.0029	.0124					
#3	.0026	.0130					
Errors	NOCHECK	NOCHECK					

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QC Standard

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Range

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QC Standard

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page 1

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/18/94 17:53:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0060	.0029	.0009	.0012	.0002	.0087	.0020
SDev	.0006	.0084	.0035	.0002	.0000	.0016	.0019
%RSD	10.33	292.0	372.5	19.99	.9009	18.62	94.23
#1	.0061	-.0064	.0048	.0013	.0002	.0080	-.0000
#2	.0065	.0100	.0000	.0009	.0002	.0076	.0023
#3	.0053	.0050	-.0020	.0013	.0002	.0105	.0036
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0071	.0063	.0085	.0768	.0244	.0020
SDev	.0006	.0022	.0011	.0009	.0198	.0092	.0000
%RSD	59.93	31.73	18.10	10.17	25.80	37.47	.0105
#1	.0012	.0046	.0070	.0075	.0882	.0179	.0020
#2	.0003	.0090	.0050	.0089	.0539	.0205	.0020
#3	.0014	.0076	.0070	.0090	.0882	.0349	.0020
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.1124	.0027	.0252	.0068	.0071	-.0121
SDev	.0035	.0049	.0008	.0263	.0103	.0186	.0069
%RSD	244.3	4.364	30.66	104.5	152.8	262.8	56.62
#1	.0030	.1169	.0020	.0049	-.0052	-.0008	-.0196
#2	-.0026	.1072	.0024	.0158	.0127	.0283	-.0062
#3	.0039	.1130	.0036	0.0549	.0127	-.0062	-.0105
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0024	.0036					
SDev	.0006	.0006					
%RSD	26.63	16.10					
#1	.0019	.0031					
#2	.0031	.0042					
#3	.0021	.0035					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					

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QC Standard

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Range .0500 .0200

Analysis Report

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page 1

Method: CLPMO Sample Name: LCSSD9148

Operator: RM

Run Time: 09/18/94 18:00:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5453	43.00	.8913	.6128	.2712	25.72	.6737
SDev	.0068	.50	.0195	.0083	.0027	.27	.0080
%RSD	1.239	1.172	2.193	1.346	.9798	1.065	1.193
#1	.5376	42.54	.8734	.6056	.2689	25.41	.6647
#2	.5495	42.93	.9122	.6110	.2705	25.89	.6764
#3	.5490	43.54	.8884	.6218	.2741	25.87	.6801
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.050	55.80	3.500	.8800	.3700	31.70	.8600
Low	.2900	19.30	.3500	.4500	.1700	15.80	.3600
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.896	.4599	.8046	77.51	33.42	26.68	1.487
SDev	.015	.0071	.0067	.83	.45	.28	.015
%RSD	.8135	1.540	.8362	1.075	1.342	1.056	.9832
#1	1.879	.4523	.7985	76.62	32.91	26.37	1.471
#2	1.900	.4610	.8033	77.66	33.64	26.76	1.489
#3	1.910	.4663	.8118	78.27	33.72	26.91	1.500
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.460	.6100	1.100	110.0	44.00	36.00	1.900
Low	1.120	.2600	.4800	49.30	20.90	16.10	.9700
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.065	3.365	1.187	.6155	.5975	.7905	.6204
SDev	.009	.052	.016	.0209	.0174	.0186	.0310
%RSD	.8608	1.535	1.338	3.397	2.916	2.348	5.002
#1	1.054	3.314	1.170	.5972	.5783	.7694	.5850
#2	1.072	3.417	1.190	.6383	.6019	.7978	.6425
#3	1.067	3.364	1.201	.6110	.6124	.8043	.6338
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.470	5.060	1.570	.7100	3.500	1.080	.9800
Low	.6400	1.800	.6400	.2700	.3200	.3600	.3100
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.8345	.8583					
SDev	.0071	.0083					
%RSD	.8516	.9690					
#1	.8268	.8488					
#2	.8358	.8615					
#3	.8408	.8645					
Errors	LC Pass	LC Pass					

Analysis Report

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Low .5600 .4500

Analysis Report

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Method: CLPMO Sample Name: 4605-40
 Run Time: 09/18/94 18:08:00
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: RM

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031	17.24	.0495	.1697	.0019	3.959	.0039
SDev	.0034	.19	.0055	.0016	.0000	.027	.0009
%RSD	108.0	1.082	11.09	.9489	.1626	.6845	24.29
#1	.0024	17.27	.0534	.1704	.0019	3.972	.0046
#2	.0002	17.41	.0432	.1708	.0019	3.976	.0028
#3	.0069	17.04	.0518	.1679	.0019	3.928	.0042
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078	.0174	.0327	31.91	2.763	2.710	.8106
SDev	.0019	.0067	.0039	.33	.070	.011	.0079
%RSD	24.22	38.39	11.98	1.040	2.516	.3879	.9749
#1	.0097	.0163	.0350	32.02	2.776	2.721	.8143
#2	.0059	.0113	.0282	32.17	2.688	2.709	.8159
#3	.0079	.0245	.0350	31.54	2.825	2.700	.8015
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086	.6294	.0131	.0750	.0019	.0048	L-.0456
SDev	.0003	.0188	.0027	.0284	.0126	.0181	.0078
%RSD	3.095	2.986	20.71	37.86	676.4	376.2	17.01
#1	.0088	.6216	.0100	.0597	.0042	.0209	L-.0456
#2	.0088	.6158	.0141	.0576	-.0117	.0085	L-.0533
#3	.0083	.6509	.0151	.1078	.0131	-.0149	L-.0378
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0358	.1389					
SDev	.0012	.0018					
%RSD	3.362	1.278					
#1	.0344	.1401					
#2	.0366	.1398					
#3	.0364	.1369					
Errors	LC Pass	LC Pass					
High	100.0	40.00					
Low							

Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4606-01L
 Run Time: 09/18/94 18:15:17
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: RM

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	11.60	.0124	.1007	.0018	9.329	.0012
SDev	.0014	.27	.0043	.0023	.0001	.222	.0010
%RSD	34.11	2.301	34.95	2.279	3.875	2.381	87.10
#1	.0059	11.38	.0089	.0990	.0018	9.138	.0022
#2	.0036	11.53	.0110	.0998	.0017	9.276	.0001
#3	.0032	11.90	.0172	.1033	.0019	9.573	.0012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0044	.0136	.0253	10.06	1.610	1.701	.2830
SDev	.0002	.0009	.0018	.20	.013	.021	.0062
%RSD	4.025	6.792	7.283	2.035	.7968	1.230	2.202
#1	.0046	.0139	.0270	9.873	1.606	1.700	.2780
#2	.0043	.0126	.0234	10.02	1.601	1.680	.2811
#3	.0043	.0143	.0253	10.28	1.625	1.722	.2900
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.2273	.0070	.0092	.0113	.0011	L-.0349
SDev	.0021	.0199	.0012	.0148	.0273	.0328	.0205
%RSD	469.3	8.755	16.73	160.0	241.9	2995.	58.80
#1	-.0020	.2416	.0083	.0192	.0165	L-.0359	-.0113
#2	.0015	.2046	.0060	.0163	-.0182	.0266	L-.0453
#3	.0019	.2358	.0068	-.0078	.0356	.0125	L-.0481
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0190	.0325					
SDev	.0010	.0003					
%RSD	5.082	.9715					
#1	.0179	.0327					
#2	.0197	.0321					
#3	.0194	.0326					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0250					

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Low -.0500 -.0200

Analysis Report

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Method: CLPMO Sample Name: 4606-01

Operator: RM

Run Time: 09/18/94 18:22:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	61.15	.0624	.5248	.0084	48.99	.0041
SDev	.0017	.34	.0149	.0033	.0001	.60	.0007
%RSD	266.0	.5480	23.95	.6322	1.377	1.225	18.02
#1	.0011	61.51	.0770	.5280	.0086	49.68	.0035
#2	-.0023	61.09	.0630	.5251	.0084	48.60	.0049
#3	-.0007	60.85	.0471	.5214	.0084	48.69	.0040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0194	.0476	.1120	51.66	8.795	8.924	1.474
SDev	.0021	.0059	.0043	.39	.182	.068	.012
%RSD	10.82	12.47	3.796	.7581	2.070	.7564	.7847
#1	.0219	.0543	.1169	52.11	9.005	9.002	1.488
#2	.0182	.0451	.1099	51.46	8.692	8.879	1.468
#3	.0182	.0433	.1093	51.41	8.687	8.892	1.467
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Ns5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059	.8837	.0381	.1231	-.0111	-.0013	L-.0519
SDev	.0026	.0112	.0071	.0253	.0087	.0140	.0179
%RSD	43.60	1.272	18.73	20.57	78.47	1050.	34.48
#1	.0057	.8954	.0454	.1215	-.0157	.0056	L-.0717
#2	.0086	.8730	.0311	.0986	-.0167	-.0175	L-.0369
#3	.0035	.8828	.0379	.1492	-.0011	.0079	L-.0471
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0844	.1471					
SDev	.0015	.0011					
%RSD	1.816	.7604					
#1	.0858	.1465					
#2	.0828	.1484					
#3	.0847	.1464					
Errors	LC Pass	LC Pass					
High	100.0	40.00					

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4606-01R

Operator: RM

Run Time: 09/18/94 18:29:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	58.29	.0667	.4822	.0081	31.60	.0033
SDev	.0010	.27	.0086	.0028	.0001	.05	.0008
%RSD	70.86	.4578	12.89	.5878	1.287	.1551	25.67
#1	.0023	58.39	.0757	.4810	.0082	31.64	.0032
#2	.0003	58.49	.0586	.4855	.0081	31.61	.0026
#3	.0018	57.99	.0658	.4802	.0080	31.54	.0043
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0165	.0472	.0864	48.37	8.337	8.485	1.106
SDev	.0014	.0026	.0017	.15	.105	.029	.003
%RSD	8.169	5.509	1.990	.3089	1.256	.3397	.2707
#1	.0150	.0493	.0844	48.42	8.372	8.517	1.107
#2	.0176	.0443	.0875	48.49	8.421	8.461	1.108
#3	.0170	.0482	.0873	48.21	8.220	8.478	1.102
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	.8201	.0359	.1194	-.0146	.0014	L-.0730
SDev	.0030	.0175	.0029	.0038	.0073	.0140	.0141
%RSD	77.98	2.140	8.198	3.214	50.03	999.2	19.38
#1	.0067	.8282	.0375	.1150	-.0131	-.0142	L-.0575
#2	.0042	.7999	.0325	.1210	-.0225	.0128	L-.0763
#3	.0007	.8321	.0378	.1221	-.0082	.0057	L-.0851
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0820	.1412					
SDev	.0005	.0005					
%RSD	.6514	.3491					
#1	.0820	.1411					
#2	.0824	.1418					
#3	.0814	.1408					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low							

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4606-01S
 Run Time: 09/18/94 18:36:38
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: RM

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0436	84.14	.1258	2.413	.0566	36.93	.0043
SDev	.0018	.45	.0126	.018	.0004	.28	.0003
%RSD	4.058	.5342	10.05	.7539	.6612	.7640	7.758
#1	.0426	84.34	.1398	2.420	.0569	37.18	.0040
#2	.0425	84.46	.1224	2.427	.0568	36.97	.0046
#3	.0456	83.63	.1152	2.393	.0562	36.62	.0045
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5344	.2736	.5137	59.65	12.22	11.36	1.788
SDev	.0028	.0049	.0011	.45	.12	.07	.013
%RSD	.5313	1.787	.2084	.7544	1.010	.6061	.7330
#1	.5370	.2757	.5144	60.03	12.07	11.40	1.800
#2	.5349	.2680	.5141	59.77	12.29	11.39	1.791
#3	.5314	.2771	.5124	59.16	12.28	11.28	1.774
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	30.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9893	1.279	.5556	.1818	.0423	.0135	L-.0538
SDev	.0119	.030	.0019	.0158	.0049	.0372	.0093
%RSD	1.202	2.337	.3360	8.708	11.50	276.1	17.34
#1	.9982	1.244	.5566	.1761	.0437	-.0187	L-.0630
#2	.9939	1.294	.5568	.1997	.0369	.0543	L-.0539
#3	.9758	1.298	.5535	.1697	.0463	.0049	L-.0444
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.6009	.6804					
SDev	.0022	.0054					
%RSD	.3585	.7911					
#1	.6031	.6852					
#2	.6006	.6814					
#3	.5989	.6746					
Errors	LC Pass	LC Pass					
High	100.0	40.00					

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4606-01A
 Run Time: 09/18/94 18:43:45
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: RM

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0424	61.31	2.042	2.351	.0550	47.91	.0568
SDev	.0021	.46	.003	.021	.0004	.21	.0011
%RSD	4.925	.7506	.1331	.8878	.6800	.4403	1.864
#1	.0400	61.73	2.039	2.370	.0553	47.79	.0558
#2	.0440	61.36	2.044	2.355	.0552	48.16	.0579
#3	.0432	60.82	2.042	2.329	.0546	47.79	.0567
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5309	.2543	.3521	51.24	8.728	8.681	1.946
SDev	.0025	.0067	.0030	.24	.018	.037	.009
%RSD	.4654	2.637	.8496	.4703	.2006	.4239	.4460
#1	.5300	.2469	.3499	51.29	8.709	8.695	1.949
#2	.5336	.2559	.3555	51.45	8.733	8.708	1.954
#3	.5289	.2600	.3510	50.97	8.743	8.639	1.937
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9972	.8922	.5416	.6555	.5022	1.957	1.934
SDev	.0063	.0299	.0035	.0316	.0101	.032	.017
%RSD	.6275	3.349	.6494	4.825	2.010	1.614	.9022
#1	.9977	.8828	.5428	.6208	.4998	1.969	1.934
#2	1.003	.8681	.5443	.6828	.4936	1.981	1.916
#3	.9908	.9256	.5376	.6628	.5133	1.921	1.951
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.5763	.6417					
SDev	.0032	.0030					
%RSD	.5517	.4667					
#1	.5752	.6400					
#2	.5799	.6451					
#3	.5738	.6399					
Errors	LC Pass	LC Pass					

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4606-02

Operator: RM

Run Time: 09/18/94 18:50:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	75.05	.0957	.5637	.0046	13.99	.0055
SDev	.0026	.25	.0059	.0022	.0001	.07	.0003
%RSD	318.1	.3295	6.162	.3985	1.666	.5271	5.571
#1	.0018	75.21	.0930	.5647	.0047	14.07	.0052
#2	-.0034	74.77	.1025	.5612	.0045	13.93	.0054
#3	-.0008	75.18	.0917	.5654	.0047	13.98	.0058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0246	.0559	.0504	66.59	12.32	10.54	1.509
SDev	.0008	.0052	.0007	.23	.11	.03	.006
%RSD	3.261	9.214	1.411	.3518	.8891	.2802	.4109
#1	.0255	.0609	.0511	66.82	12.37	10.56	1.515
#2	.0240	.0506	.0497	66.35	12.20	10.51	1.503
#3	.0243	.0562	.0505	66.62	12.40	10.54	1.509
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077	.7210	.0445	.0821	.0047	-.0022	L-.0530
SDev	.0020	.0085	.0042	.0145	.0139	.0203	.0233
%RSD	26.24	1.178	9.424	17.67	296.0	926.0	43.98
#1	.0061	.7152	.0487	.0684	-.0059	.0130	L-.0702
#2	.0100	.7171	.0403	.0973	-.0004	-.0252	L-.0624
#3	.0070	.7308	.0444	.0806	.0204	.0057	L-.0265
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1082	.1638					
SDev	.0017	.0005					
%RSD	1.546	.2935					
#1	.1101	.1643					
#2	.1070	.1637					
#3	.1075	.1633					
Errors	LC Pass	LC Pass					
High	100.0	40.00					

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4606-03

Operator: RM

Run Time: 09/18/94 18:58:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0171	80.38	.0878	.6048	.0134	12.16	.0040
SDev	.0006	1.06	.0084	.0090	.0001	.13	.0011
%RSD	3.780	1.318	9.547	1.487	.7611	1.039	28.78
#1	.0175	81.45	.0948	.6134	.0135	12.30	.0047
#2	.0174	80.38	.0902	.6055	.0134	12.14	.0047
#3	.0163	79.33	.0785	.5955	.0133	12.05	.0027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0284	.0728	.4671	62.11	10.95	10.21	1.706
SDev	.0017	.0013	.0051	.71	.17	.11	.020
%RSD	6.077	1.738	1.090	1.147	1.540	1.082	1.177
#1	.0270	.0728	.4706	62.88	10.90	10.32	1.727
#2	.0304	.0715	.4695	61.96	11.14	10.20	1.703
#3	.0279	.0741	.4613	61.48	10.82	10.10	1.687
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	.7408	.0580	.1087	-.0082	-.0010	L-.0789
SDev	.0023	.0123	.0011	.0190	.0251	.0140	.0199
%RSD	61.13	1.655	1.937	17.49	306.2	1338.	25.29
#1	.0020	.7278	.0582	.1306	-.0173	-.0124	L-.0594
#2	.0063	.7522	.0590	.0980	.0202	.0146	L-.0992
#3	.0028	.7425	.0568	.0974	-.0274	-.0052	L-.0780
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1080	.1877					
SDev	.0013	.0008					
%RSD	1.214	.4460					
#1	.1092	.1886					
#2	.1082	.1876					
#3	.1066	.1869					
Errors	LC Pass	LC Pass					
High	100.0	100.00					
Low							

Analysis Report

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Analysis Report

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page 1

Method: CLPMO Sample Name: 4606-04
 Run Time: 09/18/94 19:05:07
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: RM

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041	15.14	.0531	.3587	.0079	149.6	.0037
SDev	.0003	.05	.0168	.0012	.0000	.9	.0013
%RSD	7.029	.3572	31.69	.3415	.0501	.6269	34.48
#1	.0039	15.20	.0704	.3601	.0079	150.6	.0026
#2	.0044	15.11	.0369	.3582	.0079	148.7	.0034
#3	.0039	15.11	.0520	.3578	.0079	149.6	.0051
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0112	.0481	.4670	37.39	2.676	7.135	.7740
SDev	.0003	.0017	.0023	.17	.066	.012	.0038
%RSD	2.831	3.624	.4893	.4465	2.475	.1701	.4873
#1	.0111	.0463	.4695	37.57	2.737	7.141	.7779
#2	.0115	.0498	.4666	37.24	2.685	7.143	.7704
#3	.0109	.0484	.4649	37.37	2.606	7.121	.7737
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055	.8867	.0367	.1886	-.0231	.0131	-.0104
SDev	.0024	.0122	.0017	.0276	.0116	.0427	.0071
%RSD	42.97	1.373	4.706	14.62	50.27	327.2	68.70
#1	.0078	.8828	.0386	.2164	L-.0304	L-.0358	-.0186
#2	.0057	.9003	.0353	.1612	-.0293	.0316	-.0067
#3	.0031	.8769	.0361	.1882	-.0097	.0434	-.0058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0630	.1627					
SDev	.0016	.0019					
%RSD	2.483	1.188					
#1	.0648	.1636					
#2	.0618	.1641					
#3	.0625	.1605					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

QC Standard

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Method: CLPMO

Sample Name: CCV

Operator: RM

Run Time: 09/18/94 19:12:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.019	19.30	1.008	18.96	.4887	Q.0158	.5217
SDev	.015	.25	.006	.35	.0047	.0016	.0042
%RSD	1.510	1.296	.5903	1.833	.9710	10.23	.8032
#1	1.028	19.44	1.002	19.16	.4908	Q.0170	.5241
#2	1.027	19.44	1.012	19.16	.4920	Q.0140	.5242
#3	1.001	19.01	1.012	18.56	.4833	Q.0165	.5169
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	1.000	20.00	1.000	20.00	.5000	50.00	.5000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.107	1.040	2.409	9.854	Q.1497	Q.0076	1.530
SDev	.033	.007	.032	.078	.1204	.0128	.013
%RSD	.6550	.7158	1.337	.7881	80.47	168.2	.8615
#1	5.135	1.047	2.423	9.900	Q.0953	Q.0116	1.538
#2	5.116	1.040	2.431	9.898	Q.0660	Q-.0067	1.537
#3	5.070	1.033	2.372	9.764	Q.2877	Q.0180	1.515
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass
Value	5.000	1.000	2.500	10.00	50.00	50.00	1.500
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.011	Q.1169	4.099	.5360	Q.0087	4.956	1.018
SDev	.012	.0275	.018	.0134	.0091	.027	.016
%RSD	1.164	23.51	.4412	2.497	105.5	.5386	1.540
#1	1.021	Q.1130	4.116	.5236	Q.0007	4.958	1.032
#2	1.013	Q.0916	4.102	.5341	Q.0066	4.981	1.020
#3	.9978	Q.1462	4.080	Q.5502	Q.0186	4.928	1.001
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.000	50.00	4.000	.5000	5.000	5.000	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	4.944	1.985					
SDev	.047	.018					
%RSD	.9414	.9105					
#1	4.971	1.993					
#2	4.971	1.997					
#3	4.891	1.964					
Errors	QC Pass	QC Pass					
Value	1.000	1.000					
Range	10.00	10.00					

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Range 10.00 10.00

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QC Standard

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Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/18/94 19:19:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9621	-.0102	.0057	.0024	.0002	51.18	.0088
SDev	.0061	.0170	.0029	.0008	.0000	.21	.0018
%RSD	.6356	167.0	51.87	33.49	28.23	.4171	20.64
#1	.9559	-.0052	.0035	.0032	.0001	50.94	.0105
#2	.9624	-.0290	.0045	.0016	.0002	51.36	.0089
#3	.9681	.0037	.0091	.0025	.0002	51.23	.0069
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0059	.0073	.0042	47.69	48.55	.0027
SDev	.0016	.0044	.0034	.0009	.36	.23	.0002
%RSD	351.0	75.06	47.24	20.37	.7509	.4648	8.684
#1	.0001	.0015	.0092	.0037	47.87	48.29	.0028
#2	-.0023	.0104	.0033	.0052	47.28	48.68	.0028
#3	.0008	.0058	.0092	.0037	47.93	48.69	.0024
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	47.77	.0061	.0050	4.853	-.0029	.0100
SDev	.0041	.45	.0033	.0171	.010	.0469	.0284
%RSD	476.4	.9373	53.96	341.1	.1990	1592.	284.2
#1	.0004	48.03	.0069	-.0102	4.846	-.0571	.0136
#2	-.0030	47.25	.0090	.0017	4.850	.0247	.0365
#3	.0052	48.03	.0025	.0235	4.864	.0235	-.0201
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0026	.0132					
SDev	.0021	.0001					
%RSD	81.50	.6785					
#1	.0042	.0131					
#2	.0034	.0133					
#3	.0002	.0133					
Errors	NOCHECK	NOCHECK					
Value							

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QC Standard

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Range

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QC Standard

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page 1

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/18/94 19:26:32

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0044	.0092	-.0010	.0008	.0002	.0068	.0006
SDev	.0002	.0117	.0116	.0002	.0001	.0036	.0010
%RSD	3.940	127.2	1111.	30.57	49.29	53.16	156.3
#1	.0043	.0189	.0070	.0005	.0001	.0110	-.0002
#2	.0046	-.0038	.0041	.0009	.0002	.0041	.0017
#3	.0044	.0126	-.0143	.0009	.0001	.0054	.0003
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0002	.0049	.0001	.0090	.0082	.0091	.0001
SDev	.0011	.0030	.0025	.0020	.0204	.0098	.0002
%RSD	524.9	62.51	2621.	22.07	249.9	107.3	172.8
#1	-.0012	.0018	-.0026	.0112	-.0147	.0035	.0000
#2	-.0003	.0079	.0008	.0082	.0245	.0205	.0004
#3	.0009	.0049	.0022	.0075	.0147	.0035	.0000
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0016	.1082	-.0011	.0083	-.0063	.0014	-.0151
SDev	.0033	.0107	.0005	.0063	.0065	.0144	.0210
%RSD	206.5	9.910	48.88	75.49	102.4	1001.	138.3
#1	-.0030	.0974	-.0017	.0015	-.0050	.0062	-.0025
#2	-.0039	.1189	-.0006	.0137	-.0133	-.0147	-.0393
#3	.0021	.1082	-.0010	.0096	-.0006	.0128	-.0036
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avgc	.0013	.0035					
SDev	.0008	.0006					
%RSD	61.52	17.18					
#1	.0010	.0037					
#2	.0021	.0039					
#3	.0006	.0028					
Errors	QC Pass	QC Pass					
Value	.0010	.0010					

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QC Standard

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Range .0500 .0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4606-05

Operator: RM

Run Time: 09/18/94 19:33:40

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	49.04	.0624	.9395	.0034	10.79	.0035
SDev	.0002	.16	.0138	.0021	.0001	.10	.0016
%RSD	11.29	.3356	22.06	.2244	1.929	.8898	45.10
#1	.0017	49.22	.0755	.9409	.0035	10.89	.0033
#2	.0013	48.89	.0635	.9371	.0033	10.70	.0021
#3	.0014	49.02	.0481	.9406	.0034	10.78	.0052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0115	.0343	.0238	41.11	7.781	8.770	1.007
SDev	.0012	.0032	.0026	.25	.109	.056	.007
%RSD	10.77	9.432	11.02	.6105	1.403	.6336	.7031
#1	.0126	.0374	.0268	41.35	7.851	8.825	1.014
#2	.0102	.0310	.0231	40.85	7.836	8.714	.9996
#3	.0118	.0345	.0217	41.11	7.655	8.770	1.008
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037	1.003	.0282	.0453	.0057	-.0003	L-.0379
SDev	.0023	.018	.0016	.0300	.0123	.0106	.0207
%RSD	61.12	1.765	5.597	66.24	217.0	3424.	54.45
#1	.0063	.9977	.0287	.0736	.0199	.0102	-.0144
#2	.0029	.9890	.0265	.0138	-.0027	-.0111	L-.0529
#3	.0020	1.023	.0296	.0485	-.0001	-.0000	L-.0466
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0583	.1188					
SDev	.0016	.0009					
%RSD	2.816	.7601					
#1	.0602	.1193					
#2	.0577	.1194					
#3	.0571	.1178					
Errors	LC Pass	LC Pass					
High	100.0	100.00					
Low							

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4606-06

Operator: RM

Run Time: 09/18/94 19:40:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0016	77.02	.0883	1.008	.0043	10.82	.0037
SDev	.0032	1.46	.0152	.020	.0000	.07	.0018
%RSD	201.4	1.892	17.19	1.980	.9483	.6411	46.84
#1	.0014	75.49	.0983	.9863	.0044	10.75	.0050
#2	-.0050	78.39	.0708	1.026	.0044	10.89	.0044
#3	-.0012	77.18	.0957	1.011	.0043	10.83	.0017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0273	.0511	.0321	65.19	11.71	13.85	1.539
SDev	.0023	.0045	.0060	.83	.35	.17	.017
%RSD	8.557	8.884	18.72	1.280	2.983	1.202	1.134
#1	.0299	.0564	.0386	64.26	11.56	13.67	1.520
#2	.0267	.0491	.0310	65.86	12.11	14.01	1.554
#3	.0254	.0480	.0268	65.45	11.46	13.88	1.543
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.9113	.0414	.0665	-.0108	.0058	L-.0784
SDev	.0026	.0260	.0028	.0287	.0347	.0121	.0117
%RSD	129.1	2.847	6.807	43.08	322.3	208.0	14.93
#1	.0042	.9334	.0411	.0994	.0246	-.0080	L-.0651
#2	.0026	.9178	.0387	.0530	L-.0447	.0110	L-.0827
#3	-.0008	.8828	.0443	.0471	-.0121	.0144	L-.0873
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1124	.1464					
SDev	.0008	.0016					
%RSD	.7214	1.072					
#1	.1126	.1446					
#2	.1115	.1468					
#3	.1131	.1477					
Errors	LC Pass	LC Pass					
High	10.00	10.00					
Low	-.0100	-.0100					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4606-07

Operator: RM

Run Time: 09/18/94 19:48:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1411	86.02	3.009	1.472	.0056	20.12	.1093
SDev	.0018	1.06	.022	.024	.0001	.17	.0027
%RSD	1.264	1.227	.7318	1.604	1.365	.8229	2.450
#1	.1397	87.24	2.988	1.499	.0055	19.94	.1064
#2	.1431	85.38	3.008	1.458	.0057	20.16	.1098
#3	.1406	85.45	3.032	1.459	.0057	20.26	.1117
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0453	.0719	13.31	125.6	24.42	25.19	H41.81
SDev	.0024	.0071	.20	.3	.61	.04	.07
%RSD	5.237	9.818	1.524	.2333	2.492	.1608	.1602
#1	.0431	.0639	13.55	125.4	25.11	25.18	H41.80
#2	.0450	.0747	13.20	125.4	23.97	25.15	H41.74
#3	.0478	.0772	13.19	125.9	24.19	25.23	H41.88
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0838	2.895	.0581	H28.15	.0396	.0031	L-.2235
SDev	.0042	.059	.0070	.37	.0248	.0236	.0060
%RSD	5.049	2.042	12.05	1.312	62.45	754.0	2.665
#1	.0818	2.962	.0502	H27.73	.0149	.0193	L-.2222
#2	.0887	2.851	.0634	H28.27	.0396	-.0240	L-.2300
#3	.0810	2.871	.0608	H28.44	.0644	.0141	L-.2182
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.2302	29.27					
SDev	.0016	.05					
%RSD	.7055	.1612					
#1	.2288	29.25					
#2	.2297	29.24					
#3	.2320	29.32					
Errors	LC Pass	LC Pass					
High	100.0	100.0					
Low	-.0100	-.0100					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4607-01

Operator: RM

Run Time: 09/18/94 19:55:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	93.35	.0951	.9194	.0376	14.03	.0061
SDev	.0024	.89	.0067	.0105	.0002	.04	.0010
%RSD	216.4	.9556	7.007	1.139	.5873	.2705	16.22
#1	-.0009	94.36	.0880	.9307	.0379	14.06	.0053
#2	.0005	92.64	.1012	.9101	.0375	14.04	.0072
#3	.0037	93.06	.0960	.9174	.0374	13.98	.0059
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0384	.0614	.1264	68.64	13.30	11.88	2.412
SDev	.0021	.0030	.0030	.31	.10	.03	.010
%RSD	5.579	4.883	2.392	.4565	.7719	.2556	.4185
#1	.0365	.0590	.1257	69.00	13.41	11.91	2.423
#2	.0407	.0606	.1297	68.42	13.28	11.87	2.406
#3	.0381	.0648	.1237	68.50	13.21	11.86	2.406
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057	.7762	.0510	.1930	-.0087	-.0123	L-.0929
SDev	.0005	.0142	.0010	.0220	.0086	.0124	.0160
%RSD	8.643	1.829	1.910	11.38	98.52	101.0	17.25
#1	.0054	.7629	.0510	.1854	-.0063	-.0224	L-.0914
#2	.0054	.7746	.0520	.2177	-.0183	-.0159	L-.1096
#3	.0062	.7912	.0501	.1758	-.0016	.0015	L-.0777
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1252	.1726					
SDev	.0010	.0031					
%RSD	.8097	1.777					
#1	.1256	.1724					
#2	.1241	.1757					
#3	.1260	.1696					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4607-02

Operator: RM

Run Time: 09/18/94 20:02:32

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	84.68	.0760	.9119	.0126	11.38	.0046
SDev	.0022	.81	.0047	.0101	.0001	.04	.0008
%RSD	368.1	.9599	6.222	1.113	.6109	.3935	17.01
#1	-.0031	85.55	.0715	.9229	.0126	11.40	.0042
#2	.0003	84.55	.0809	.9098	.0126	11.41	.0055
#3	.0010	83.94	.0756	.9029	.0125	11.33	.0041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0337	.0503	.0585	66.04	11.92	11.52	2.116
SDev	.0015	.0033	.0027	.37	.18	.08	.012
%RSD	4.609	6.525	4.692	.5568	1.499	.6530	.5736
#1	.0319	.0501	.0562	66.34	12.13	11.57	2.125
#2	.0348	.0537	.0579	66.15	11.86	11.55	2.120
#3	.0343	.0472	.0615	65.63	11.79	11.43	2.102
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.7113	.0471	.1343	.0094	.0043	L-.0789
SDev	.0009	.0052	.0017	.0073	.0084	.0057	.0083
%RSD	43.95	.7249	3.693	5.420	88.58	131.2	10.50
#1	.0031	.7074	.0452	.1268	.0147	.0008	L-.0737
#2	.0014	.7171	.0477	.1347	-.0002	.0013	L-.0746
#3	.0018	.7093	.0485	.1413	.0138	.0109	L-.0885
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1203	.1471					
SDev	.0011	.0022					
%RSD	.8870	1.524					
#1	.1209	.1474					
#2	.1209	.1492					
#3	.1190	.1447					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4607-03

Operator: RM

Run Time: 09/18/94 20:09:39

Comment:

Mode: CONC Corr. Factor: 1

Elem	Aa3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0016	113.7	.1027	.9918	.0064	12.05	.0051
SDev	.0006	.7	.0060	.0051	.0000	.08	.0015
%RSD	37.21	.6062	5.839	.5114	.5824	.6315	29.07
#1	-.0012	114.4	.0973	.9977	.0064	12.13	.0059
#2	-.0013	113.2	.1091	.9886	.0064	12.04	.0060
#3	-.0023	113.3	.1017	.9892	.0064	11.98	.0034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0395	.0600	.0494	74.81	12.46	13.50	2.242
SDev	.0010	.0029	.0026	.41	.21	.10	.013
%RSD	2.667	4.833	5.247	.5448	1.664	.7312	.5986
#1	.0383	.0619	.0471	75.26	12.70	13.61	2.257
#2	.0401	.0615	.0522	74.70	12.32	13.45	2.238
#3	.0401	.0567	.0488	74.46	12.36	13.43	2.230
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062	.7905	.0512	.1137	.0025	-.0025	L-.0953
SDev	.0015	.0146	.0006	.0073	.0165	.0223	.0119
%RSD	25.13	1.850	1.135	6.415	674.2	894.0	12.51
#1	.0066	.8048	.0514	.1089	.0216	-.0268	L-.0816
#2	.0044	.7756	.0516	.1221	-.0066	.0022	L-.1018
#3	.0074	.7912	.0506	.1101	-.0076	.0171	L-.1026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1373	.1637					
SDev	.0010	.0005					
%RSD	.7461	.2969					
#1	.1364	.1642					
#2	.1384	.1637					
#3	.1370	.1632					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4607-04

Operator: RM

Run Time: 09/18/94 20:16:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0013	87.24	.0845	.9596	.0061	11.80	.0042
SDev	.0010	.57	.0043	.0054	.0000	.08	.0007
%RSD	78.19	.6501	5.107	.5609	.6506	.6783	16.33
#1	-.0022	87.67	.0796	.9645	.0061	11.88	.0050
#2	-.0002	86.60	.0862	.9538	.0061	11.72	.0038
#3	-.0014	87.46	.0878	.9604	.0061	11.78	.0039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0369	.0527	.0494	67.14	11.88	11.78	2.456
SDev	.0005	.0015	.0010	.43	.10	.08	.015
%RSD	1.259	2.794	2.064	.6459	.8740	.6746	.6123
#1	.0365	.0524	.0491	67.55	11.99	11.85	2.471
#2	.0368	.0514	.0505	66.69	11.78	11.70	2.441
#3	.0374	.0543	.0485	67.20	11.86	11.79	2.456
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040	.7785	.0469	.0863	-.0108	-.0068	L-.0665
SDev	.0033	.0137	.0018	.0343	.0046	.0178	.0099
%RSD	83.56	1.766	3.890	39.68	42.45	261.9	14.86
#1	.0023	.7766	.0480	.1092	-.0154	.0135	L-.0574
#2	.0078	.7658	.0448	.0469	-.0107	-.0140	L-.0770
#3	.0018	.7931	.0479	.1028	-.0062	-.0197	L-.0651
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1212	.1484					
SDev	.0006	.0022					
%RSD	.4847	1.484					
#1	.1218	.1493					
#2	.1212	.1459					
#3	.1206	.1501					
Errors	LC Pass	LC Pass					
High	100.0	10.00					
Low	-.0100	-.0250					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4607-05

Operator: RM

Run Time: 09/18/94 20:23:54

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	80.69	.0707	.8375	.0273	10.88	.0030
SDev	.0028	.60	.0129	.0069	.0003	.09	.0008
%RSD	323.0	.7407	18.25	.8224	1.092	.8473	26.93
#1	-.0025	80.00	.0567	.8296	.0269	10.78	.0022
#2	.0024	81.09	.0821	.8402	.0274	10.95	.0029
#3	-.0025	80.97	.0732	.8426	.0275	10.92	.0038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0311	.0448	.0956	57.49	11.80	10.33	1.958
SDev	.0006	.0022	.0011	.51	.18	.08	.016
%RSD	2.036	4.834	1.196	.8885	1.538	.7470	.8208
#1	.0304	.0468	.0969	56.90	11.81	10.24	1.939
#2	.0316	.0450	.0949	57.78	11.98	10.40	1.968
#3	.0313	.0425	.0949	57.79	11.61	10.34	1.966
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	.6291	.0432	.4698	-.0056	.0095	L-.0722
SDev	.0024	.0242	.0014	.0221	.0094	.0167	.0145
%RSD	84.88	3.845	3.214	4.696	168.7	175.5	20.05
#1	.0055	.6431	.0428	.4541	.0013	-.0097	L-.0875
#2	.0021	.6431	.0447	.4602	-.0018	.0192	L-.0588
#3	.0009	.6012	.0420	.4950	-.0163	.0190	L-.0702
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.1000	.1402					
SDev	.0014	.0016					
%RSD	1.357	1.153					
#1	.0988	.1386					
#2	.1015	.1419					
#3	.0998	.1402					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

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page 1

Method: CLPMO Sample Name: 4607-06

Operator: RM

Run Time: 09/18/94 20:31:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0076	85.06	.1035	.8905	.1224	11.80	.0036
SDev	.0020	.74	.0123	.0081	.0010	.11	.0008
%RSD	25.62	.8653	11.92	.9141	.7966	.9191	21.92
#1	.0054	85.38	.1091	.8934	.1223	11.74	.0037
#2	.0088	85.59	.0893	.8969	.1235	11.93	.0043
#3	.0088	84.22	.1120	.8813	.1216	11.74	.0028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.000	500.0	20.00	40.00	10.00	500.0	10.00
Low	-.0100	-.2000	-.0250	-.2000	-.0050	-5.000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0342	.0550	.2707	64.83	12.51	11.15	2.219
SDev	.0003	.0073	.0018	.62	.29	.11	.021
%RSD	.7687	13.32	.6521	.9499	2.317	1.016	.9371
#1	.0340	.0468	.2713	64.64	12.84	11.11	2.215
#2	.0345	.0572	.2721	65.51	12.40	11.27	2.242
#3	.0340	.0609	.2688	64.33	12.30	11.06	2.201
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		20.00	50.00	200.0	1000.	1000.	30.00
Low		-.0100	-.0250	-.1000	-5.000	-.1750	-.0030
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.7571	.0555	.8770	-.0026	-.0114	L-.0855
SDev	.0023	.0129	.0078	.0141	.0090	.0186	.0169
%RSD	134.9	1.703	14.11	1.611	348.0	162.5	19.81
#1	.0026	.7619	.0472	.8610	-.0108	-.0116	L-.0971
#2	.0035	.7425	.0565	.8821	-.0039	-.0299	L-.0660
#3	-.0009	.7668	.0628	.8878	.0070	.0072	L-.0933
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.00	1000.	80.00	5.000	100.0	10.00	20.00
Low	-.0100	-.1600	-.0400	-.0350	-.0300	-.0350	-.0250
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.1129	.1705					
SDev	.0008	.0007					
%RSD	.6936	.3972					
#1	.1121	.1701					
#2	.1136	.1713					
#3	.1130	.1701					
Errors	LC Pass	LC Pass					

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Low -.0500 -.0200

Analysis Report

QC Standard

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page 1

Method: CLPMO Sample Name: CCV

Operator: RM

Run Time: 09/18/94 20:38:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.008	19.09	.9847	18.75	.4834	0.0090	.5156
SDev	.014	.44	.0066	.50	.0077	.0039	.0027
%RSD	1.410	2.282	.6669	2.685	1.596	43.21	.5197
#1	1.000	18.84	.9882	18.46	.4792	0.0105	.5131
#2	1.024	19.59	.9889	19.33	.4923	0.0046	.5152
#3	.9986	18.83	.9772	18.46	.4787	0.0118	.5184
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	1.000	20.00	1.000	20.00	.5000	50.00	.5000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.051	1.025	2.379	9.745	0.2235	0.0010	1.512
SDev	.035	.003	.057	.109	.1235	.0298	.017
%RSD	.6980	.2997	2.409	1.121	55.25	3043.	1.108
#1	5.030	1.025	2.344	9.681	0.3557	0.0232	1.503
#2	5.092	1.027	2.445	9.871	0.1111	0-.0329	1.531
#3	5.032	1.021	2.347	9.682	0.2038	0.0127	1.502
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass
Value	5.000	1.000	2.500	10.00	50.00	50.00	1.500
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9979	0.1075	4.051	.5149	0.0035	4.867	1.004
SDev	.0068	.0501	.029	.0214	.0100	.104	.010
%RSD	.6836	46.61	.7145	4.160	283.9	2.141	.9915
#1	1.002	0.1384	4.038	.5210	0.0071	4.862	1.013
#2	1.002	0.0497	4.084	.4911	0.0112	4.974	1.006
#3	.9900	0.1345	4.030	.5326	0-.0078	4.765	.9934
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.000	50.00	4.000	.5000	5.000	5.000	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	4.891	1.958					
SDev	.069	.017					
%RSD	1.405	.8540					
#1	4.851	1.943					
#2	4.970	1.976					
#3	4.851	1.955					
Errors	QC Pass	QC Pass					

Analysis Report

QC Standard

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Range 10.00 10.00

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/18/94 20:45:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9604	.0062	-.0095	.0021	.0001	50.92	.0085
SDev	.0081	.0091	.0031	.0009	.0000	.58	.0004
%RSD	.8398	145.7	32.29	41.86	31.38	1.144	4.759
#1	.9650	-.0013	-.0101	.0031	.0001	51.25	.0089
#2	.9650	.0163	-.0122	.0013	.0001	51.27	.0081
#3	.9510	.0037	-.0062	.0020	.0002	50.25	.0086
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0016	.0069	.0025	.0032	48.64	48.54	.0022
SDev	.0014	.0033	.0022	.0004	.74	.38	.0003
%RSD	86.50	47.28	91.58	13.25	1.526	.7757	15.75
#1	-.0024	.0032	.0016	.0037	47.93	48.67	.0024
#2	-.0024	.0094	.0008	.0030	48.58	48.83	.0018
#3	-.0000	.0082	.0050	.0030	49.41	48.11	.0024
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	48.82	.0019	.0049	4.820	.0210	-.0024
SDev	.0017	.83	.0009	.0250	.050	.0306	.0245
%RSD	242.4	1.697	46.84	511.0	1.038	145.7	1026.
#1	.0017	48.09	.0028	-.0054	4.824	.0465	-.0295
#2	-.0013	48.66	.0019	-.0133	4.868	.0294	.0182
#3	.0017	49.72	.0010	.0334	4.768	-.0129	.0041
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0011	.0114					
SDev	.0014	.0006					
%RSD	127.6	5.712					
#1	.0027	.0113					
#2	.0006	.0122					
#3	-.0000	.0109					
Errors	NOCHECK	NOCHECK					

Analysis Report

QC Standard

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Range

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/18/94 20:52:26

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0044	.0096	-.0028	.0014	.0002	.0100	.0015
SDev	.0008	.0051	.0017	.0006	.0001	.0040	.0005
%RSD	18.08	53.19	58.92	43.64	50.15	40.51	36.51
#1	.0048	.0087	-.0046	.0020	.0003	.0131	.0020
#2	.0035	.0151	-.0025	.0014	.0001	.0114	.0015
#3	.0050	.0050	-.0014	.0008	.0002	.0054	.0009
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0076	.0026	.0080	.0278	.0253	.0012
SDev	.0002	.0019	.0006	.0023	.0102	.0124	.0014
%RSD	113.7	25.12	24.74	28.73	36.74	48.91	115.4
#1	-.0000	.0054	.0030	.0060	.0392	.0349	.0028
#2	-.0002	.0086	.0030	.0104	.0196	.0113	.0004
#3	-.0005	.0087	.0019	.0075	.0245	.0296	.0004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.1215	.0015	.0229	.0099	.0001	-.0000
SDev	.0022	.0224	.0008	.0114	.0032	.0124	.0187
%RSD	125.0	18.46	52.08	49.61	32.34	10930.	154000.
#1	.0017	.1442	.0006	.0250	.0128	.0078	.0104
#2	.0039	.0994	.0020	.0331	.0103	-.0142	-.0216
#3	-.0004	.1208	.0020	.0107	.0065	.0067	.0112
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0023	.0041					
SDev	.0018	.0009					
%RSD	77.97	22.97					
#1	.0042	.0051					
#2	.0008	.0039					
#3	.0017	.0032					
Errors	QC Pass	QC Pass					
Value							
Range							

Analysis Report

QC Standard

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Range .0500 .0200

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: IC5A

Operator: RM

Run Time: 09/18/94 20:59:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0050	473.0	.1955	.0197	.0002	477.9	.0803
SDev	.0017	7.4	.0027	.0003	.0000	3.2	.0011
%RSD	33.53	1.575	1.380	1.426	21.19	.6732	1.355
#1	.0032	479.4	.1939	.0198	.0001	480.8	.0794
#2	.0065	474.7	.1986	.0194	.0002	478.6	.0815
#3	.0053	464.8	.1939	.0199	.0002	474.5	.0801
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0029	.0106	.0250	170.4	-.3144	499.9	.0203
SDev	.0005	.0030	.0016	1.8	.0436	5.5	.0004
%RSD	15.77	27.83	6.235	1.036	13.87	1.093	2.001
#1	-.0033	.0083	.0239	172.0	-.3214	505.0	.0203
#2	-.0024	.0140	.0242	170.7	-.3540	500.7	.0199
#3	-.0030	.0096	.0268	168.5	-.2677	494.1	.0207
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.0		500.0	
Range				20.00		20.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0082	.3443	.0086	.0937	-.0246	-.0993	.0879
SDev	.0030	.0222	.0016	.0118	.0358	.0736	.0179
%RSD	36.12	6.437	18.59	12.63	145.4	74.09	20.31
#1	.0107	.3196	.0087	.0838	-.0457	-.0981	.0707
#2	.0089	.3508	.0070	.1068	.0167	-.1734	.0867
#3	.0049	.3625	.0102	.0905	-.0448	-.0263	.1063
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0158	.0344					
SDev	.0011	.0004					
%RSD	7.106	1.309					
#1	.0159	.0341					
#2	.0146	.0342					
#3	.0168	.0349					
Errors	NOCHECK	NOCHECK					
Value							
Range							

Range

Analysis Report

QC Standard

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page 1

Method: CLPM0 Sample Name: ICSAB

Operator: RM

Run Time: 09/18/94 21:06:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9219	472.6	1.092	.4391	.4470	479.2	.9878
SDev	.0073	2.0	.054	.0013	.0026	3.9	.0064
%RSD	.7928	.4186	4.965	.2986	.5726	.8078	.6483
#1	.9135	470.6	1.029	.4379	.4442	475.5	.9822
#2	.9253	474.6	1.124	.4405	.4492	483.2	.9948
#3	.9269	472.7	1.122	.4388	.4477	479.0	.9863
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	500.0	1.000	.5000	.5000	500.0	1.000
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4424	.4568	.4783	170.1	-.3504	500.3	.4687
SDev	.0043	.0053	.0028	1.2	.0205	3.5	.0036
%RSD	.9800	1.151	.5920	.7059	5.850	.7032	.7591
#1	.4391	.4518	.4751	168.8	-.3737	496.6	.4651
#2	.4473	.4623	.4794	171.2	-.3353	503.6	.4722
#3	.4408	.4563	.4805	170.2	-.3421	500.9	.4688
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.5000	.5000	.5000	200.0		500.0	.5000
Range	20.00	20.00	20.00	20.00		20.00	20.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8879	1.335	.8845	1.073	.9033	4.441	.9280
SDev	.0060	.006	.0100	.029	.0092	.084	.0170
%RSD	.6759	.4461	1.136	2.671	1.024	1.891	1.827
#1	.8811	1.336	.8738	1.043	.9138	4.345	.9084
#2	.8924	1.340	.8860	1.075	.8963	4.476	.9380
#3	.8902	1.328	.8937	1.100	.8997	4.502	.9376
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000		1.000	1.000	1.000	5.000	1.000
Range	20.00		20.00	20.00	20.00	20.00	20.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.4534	.9587					
SDev	.0035	.0044					
%RSD	.7739	.4554					
#1	.4497	.9541					
#2	.4566	.9628					
#3	.4541	.9593					
Errors	QC Pass	QC Pass					

Analysis Report

QC Standard

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Range 20.00 20.00

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: CRI

Operator: RM

Run Time: 09/18/94 21:13:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	0.0260	.0459	.0164	0-.0000	.0099	.0456	.0110
SDev	.0005	.0238	.0118	.0003	.0001	.0276	.0006
%RSD	1.823	51.82	71.95	600.0	.6788	60.60	5.520
#1	0.0257	.0732	0.0276	0.0002	.0100	.0768	.0108
#2	0.0265	.0355	.0175	0-.0003	.0099	.0358	.0105
#3	0.0256	.0292	0.0041	0-.0000	.0098	.0242	.0117
Errors	QC Fail	NOCHECK	QC Pass	QC Fail	QC Pass	NOCHECK	QC Pass
Value	.0200		.0200	.2000	.0100		.0100
Range	25.00		25.00	25.00	25.00		25.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.1035	.0246	.0486	.0211	-.0572	.0430	.0310
SDev	.0009	.0016	.0018	.0099	.0584	.0057	.0004
%RSD	.8934	6.513	3.738	46.75	102.2	13.26	1.365
#1	.1030	.0227	.0499	.0318	.0097	.0495	.0313
#2	.1029	0.0257	.0466	.0191	-.0833	.0390	.0305
#3	.1046	0.0254	.0494	.0124	-.0980	.0403	.0311
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	.1000	.0200	.0500				.0300
Range	25.00	25.00	25.00				25.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0195	.0994	.0832	.1276	.0920	0.0072	0.0112
SDev	.0014	.0143	.0025	.0087	.0109	.0104	.0330
%RSD	7.103	14.44	2.985	6.814	11.83	145.5	294.5
#1	.0210	.0828	.0860	.1270	0.0823	0-.0047	0.0488
#2	.0185	.1072	.0812	0.1366	0.0898	0.0152	0-.0129
#3	.0189	.1082	.0825	.1192	.1037	.0110	0-.0023
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail
Value	.0200		.0800	.1060	.1200	.0100	.0200
Range	25.00		25.00	25.00	25.00	25.00	25.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avgc	.1024	.0434					
SDev	.0006	.0017					
%RSD	.6204	3.813					
#1	.1030	.0441					
#2	.1023	.0415					
#3	.1018	.0446					
Errors	QC Pass	QC Pass					
Value	.1000	.0400					

Analysis Report

QC Standard

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Range 25.00 25.00

Method: CLPM0 Sample Name: CCV

Operator: RM

Run Time: 09/18/94 21:20:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9953	18.88	.9809	18.37	.4783	0.0298	.5135
SDev	.0091	.22	.0056	.22	.0035	.0089	.0021
%RSD	.9131	1.173	.5711	1.202	.7370	29.83	.4016
#1	1.003	19.08	.9744	18.58	.4805	0.0400	.5153
#2	.9978	18.92	.9837	18.40	.4801	0.0247	.5141
#3	.9853	18.64	.9845	18.14	.4742	0.0247	.5112
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	1.000	20.00	1.000	20.00	.5000	50.00	.5000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.004	1.017	2.339	9.655	0.1543	0.0240	1.494
SDev	.031	.005	.023	.067	.0500	.0179	.011
%RSD	.6146	.5280	.9963	.6959	32.41	74.68	.7349
#1	5.031	1.023	2.360	9.712	0.1310	0.0362	1.503
#2	5.010	1.016	2.343	9.672	0.1202	0.0323	1.498
#3	4.970	1.013	2.314	9.581	0.2117	0.0034	1.482
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass
Value	5.000	1.000	2.500	10.00	50.00	50.00	1.500
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9910	0.1322	4.012	.5213	0.0080	4.799	1.011
SDev	.0037	.0120	.020	.0171	.0069	.034	.038
%RSD	.3694	9.098	.4945	3.281	86.70	.7116	3.799
#1	.9909	0.1423	4.029	.5399	0.0159	4.829	1.054
#2	.9874	0.1189	4.018	.5179	0.0046	4.807	.9980
#3	.9948	0.1354	3.990	.5062	0.0034	4.762	.9800
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1.000	50.00	4.000	.5000	5.000	5.000	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	4.833	1.950					
SDev	.039	.012					
%RSD	.8052	.6256					
#1	4.864	1.959					
#2	4.844	1.955					
#3	4.789	1.936					
Errors	QC Pass	QC Pass					
Value	5.000	0.000					
Range	5.000	0.000					

Analysis Report

QC Standard

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Range 10.00 10.00

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: CCVAG

Operator: RM

Run Time: 09/18/94 21:28:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9543	.0125	-.0008	.0023	.0002	50.93	.0077
SDev	.0089	.0178	.0113	.0002	.0001	.41	.0013
%RSD	.9271	142.7	1417.	6.792	38.48	.8147	16.33
#1	.9505	.0264	-.0114	.0021	.0001	50.55	.0085
#2	.9480	.0188	-.0022	.0024	.0002	50.87	.0083
#3	.9644	-.0076	.0112	.0024	.0002	51.37	.0062
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1.000					50.00	
Range	10.00					10.00	
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0055	.0057	.0067	47.23	48.57	.0025
SDev	.0028	.0056	.0049	.0020	.73	.36	.0006
%RSD	364.6	100.9	85.51	29.50	1.546	.7475	23.40
#1	-.0024	-.0006	.0002	.0090	47.24	48.33	.0028
#2	.0023	.0070	.0075	.0052	46.49	48.40	.0028
#3	.0024	.0102	.0095	.0060	47.95	48.99	.0018
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK
Value					50.00	50.00	
Range					10.00	10.00	
Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034	47.57	.0029	.0039	4.790	.0238	.0046
SDev	.0026	.85	.0009	.0123	.051	.0066	.0122
%RSD	76.02	1.794	29.13	318.9	1.059	27.75	268.7
#1	.0017	47.64	.0035	.0126	4.769	.0184	-.0096
#2	.0064	46.68	.0033	-.0102	4.754	.0311	.0119
#3	.0021	48.38	.0020	.0092	4.848	.0218	.0114
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		50.00			5.000		
Range		10.00			10.00		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avg	.0028	.0115					
SDev	.0010	.0016					
%RSD	36.64	13.57					
#1	.0019	.0099					
#2	.0039	.0130					
#3	.0027	.0116					
Errors	NOCHECK	NOCHECK					

Range

Analysis Report

QC Standard

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page 1

Method: CLPMO

Sample Name: CCB

Operator: RM

Run Time: 09/18/94 21:35:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0068	.0176	-.0033	.0009	.0002	.0155	.0008
SDev	.0022	.0078	.0045	.0013	.0000	.0128	.0010
%RSD	33.11	44.51	135.8	140.9	23.60	82.63	131.0

#1	.0068	.0239	-.0028	.0016	.0002	.0281	-.0000
#2	.0090	.0201	.0009	.0018	.0002	.0161	.0019
#3	.0045	.0088	-.0080	-.0006	.0001	.0024	.0004

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0100	.2000	.1000	.2000	.0050	5.000	.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0066	.0020	.0045	.0457	.0222	.0003
SDev	.0024	.0025	.0058	.0034	.1372	.0008	.0001
%RSD	685.7	37.63	292.9	76.38	300.1	3.399	34.70

#1	.0015	.0078	.0019	.0082	.1225	.0218	.0004
#2	.0020	.0084	.0078	.0037	.1274	.0218	.0004
#3	-.0024	.0038	-.0038	.0015	-.1127	.0231	.0002

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0500	.0100	.0250	.1000	5.000	5.000	.0150

Elem	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.1247	.0004	-.0084	-.0057	.0039	-.0035
SDev	.0061	.0070	.0046	.0190	.0097	.0120	.0161
%RSD	2143.	5.634	1278.	225.3	169.3	303.7	457.5

#1	-.0017	.1306	.0043	-.0282	-.0108	.0065	-.0176
#2	.0064	.1267	.0014	.0096	.0054	.0144	-.0071
#3	-.0056	.1169	-.0046	-.0067	-.0118	-.0091	.0141

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0010	.0010	.0010	.0010	.0010	.0010	.0010
Range	.0200	5.000	.0400	.0300	.0600	.1000	.1000

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0013	.0042
SDev	.0014	.0009
%RSD	104.0	22.38

#1	.0028	.0036
#2	.0011	.0036
#3	.0001	.0052

Errors	QC Pass	QC Pass
Value	.0010	.0010

Analysis Report

QC Standard

Sun 09-18-94 09:42:17 PM

page 2

Range .0500

.0200



ICP Run Log

SDG No. _____

Lot No. _____

4606, 4607, 4605

Instrument I.D.: J

Date: 9/21/94

Analyst: MM

Method: CLPMO

File/Archive I.D.: 509214A

All Run QC Good?: Yes (No)

Accept All Data?: Yes (No)

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	PBS0913H		05			+GFAA
2		LCSS0913A					-K
3		4605-01L					
4		01					
5		01R					
6		01S					-Mg
7		01A		CV			
8		02					-Mg
9		03					
10		04					-Mg
11		05					-Mg
12		06					-Mg
13		07					-Mg
14		08					-Mg
15		09					
16		10		CV			
17		11					-Mg
18		12					
19		13					
20	↓	14					✓

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV		CCV		ICSA		CRI	
ICVAq		CCV		ICSAB			

(1) Standard Series Run After Sample:

OS (Opening Statement): CRI, ICSA, ICSAB

CV (Continuing Verification): CCV, CCVAq, CCB

CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAq, CCB

(2) QC Failure Codes:

1-ICV/CCV

2-ICSAB

3-ICB/CCB

4-Prep. Blank

5-LCS

6-MS

7-Rep.

8-An. Spk.

9-Srl. Dil.

10-Dil/Rerun

11-Other

12-Other

Review: _____

SA-11, Rev. 7/94



Con't

ICP Run Log

SDG No. _____

Lot No. _____

Instrument I.D.: _____ Date: _____ Analyst: _____

Method: _____ File/Archive I.D.: _____

All Run QC Good?: Yes No

Accept All Data?: Yes No

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4605-15					+ GFAA
2		16					- Mg
3		17					- Mg
4		18		CV			- Mg
5		PB50913B					
6		LC550913B					- K
7		4605-19					- Mg
8		20					
9		21L					
10		21					
11		21K					
12		21S		CV			
13		21A					
14		22					
15		23					
16		24					
17		25					
18		26					
19		27					
20	✓	28					✓

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV		CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:

OS (Opening Statement): CRI, ICSA, ICSAB

CV (Continuing Verification): CCV, CCVAg, CCB

CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:

1-ICV/CCV

2-ICSAB

3-ICB/CCB

4-Prod. Blank

5-LCS

6-MS

7-Rep.

8-An. Spk.

9-Sri. Dil.

10-Dil/Rerun

11-Other

12-Other

Review: _____

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Cont

ICP Run Log

SDG No. _____

Lot No. _____

Instrument I.D.: _____ Date: _____ Analyst: _____

Method: _____ File/Archive I.D.: _____

All Run QC Good?: Yes No

Accept All Data?: Yes No

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4605-29		CV			↑GFAH
2		30					
3		31					
4		32					-Mg
5		33					-Mg
6		34					-Mg - Fe
7		35					-Mg - Fe - Mn - Zn
8		36					-Mg - Fe
9		PB50914B		CV			
10		LC50914B					
11		4605-40					
12		4606-01L					
13		01					
14		01K					
15		01S					
16		01A					
17		02		CV			-Mg
18		4606-03					-Mg
19		04					
20	✓	-085					✓

→ 9/21/94

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV		CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
 OS (Opening Statement): CRI, ICSA, ICSAB
 CV (Continuing Verification): CCV, CCVAg, CCB
 CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
 1-ICV/CCV 4-Prep. Blank 7-Rep. 10-Dil/Rerun
 2-ICSAB 5-LCS 8-An. Spk. 11-Other
 3-ICB/CCB 6-MS 9-Sri. Dil. 12-Other

Review: _____

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cont

ICP Run Log

SDG No. _____

Lot No. _____

Instrument I.D.: _____ Date: _____ Analyst: _____

Method: _____ File/Archive I.D.: _____

All Run QC Good?: Yes No

Accept All Data?: Yes No

Sample Rack Position	Accept Data Y/N	Sample I.D.	Dilution Factor	Std. Run ⁽¹⁾	Analyst Rev. Fail Code ⁽²⁾	Tech. Review	Comments
1	Y	4606-07					-Mg - Fe - Mn - Zn + GFAP
2		4607-01					-Mg - Fe
3		02					-Mg
4		03		CV			-Mg
5		04					-Mg
6		05					-Mg
7		06		CS			-Mg
8							
9							
10	Y	4606-06					-Mg ✓
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.	Standard	Std. Log No.
ICV		CCV		ICSA		CRI	
ICVAg		CCV		ICSAB			

(1) Standard Series Run After Sample:
 OS (Opening Statement): CRI, ICSA, ICSAB
 CV (Continuing Verification): CCV, CCVAg, CCB
 CS (Closing Statement): ICSA, ICSAB, CRI, CCV, CCVAg, CCB

(2) QC Failure Codes:
 1-ICV/CCV 4-Prep. Blank 7-Rep. 10-Dil/Rerun
 2-ICSAB 5-LCS 8-An. Spk. 11-Other
 3-ICB/CCB 5-MS 9-Srl. Dil. 12-Other

Review: _____

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	FE100	J09214A	CLPMO	09/21/94	13:18		S	CONC
2	STD1-Blank	J09214A	CLPMO	09/21/94	13:40		X	IR
3	STD3	J09214A	CLPMO	09/21/94	13:46		X	IR
4	ICV	J09214A	CLPMO	09/21/94	13:52	LB	Q	CONC
5	STD1-Blank	J09214A	CLPMO	09/21/94	14:00		X	IR
6	STD3	J09214A	CLPMO	09/21/94	14:06		X	IR
7	ICV	J09214A	CLPMO	09/21/94	14:13	LB	Q	CONC
8	ICB	J09214A	CLPMO	09/21/94	14:19	LB	Q	CONC
9	CRI	J09214A	CLPMO	09/21/94	14:26	LB	Q	CONC
10	ICSA	J09214A	CLPMO	09/21/94	14:32	LB	Q	CONC
11	ICSAB	J09214A	CLPMO	09/21/94	14:39	LB	Q	CONC
12	PBS0913A	J09214A	CLPMO	09/21/94	14:45	LB	S	CONC
13	LCSS0913A	J09214A	CLPMO	09/21/94	14:51	LB	S	CONC
14	4605-01L	J09214A	CLPMO	09/21/94	14:58	LB	S	CONC
15	4605-01	J09214A	CLPMO	09/21/94	15:04	LB	S	CONC
16	4605-01R	J09214A	CLPMO	09/21/94	15:11	LB	S	CONC
17	4605-01S	J09214A	CLPMO	09/21/94	15:17	LB	S	CONC
18	4605-01A	J09214A	CLPMO	09/21/94	15:23	LB	S	CONC
19	CCV	J09214A	CLPMO	09/21/94	15:30	LB	Q	CONC
20	CCB	J09214A	CLPMO	09/21/94	15:36	LB	Q	CONC
21	4605-02	J09214A	CLPMO	09/21/94	15:43	LB	S	CONC
22	4605-03	J09214A	CLPMO	09/21/94	15:49	LB	S	CONC
23	4605-04	J09214A	CLPMO	09/21/94	15:55	LB	S	CONC
24	4605-05	J09214A	CLPMO	09/21/94	16:02	LB	S	CONC
25	4605-06	J09214A	CLPMO	09/21/94	16:08	LB	S	CONC
26	4605-07	J09214A	CLPMO	09/21/94	16:15	LB	S	CONC
27	4605-08	J09214A	CLPMO	09/21/94	16:21	LB	S	CONC
28	4605-09	J09214A	CLPMO	09/21/94	16:27	LB	S	CONC
29	4605-10	J09214A	CLPMO	09/21/94	16:34	LB	S	CONC
30	CCV	J09214A	CLPMO	09/21/94	16:40	LB	Q	CONC
31	CCB	J09214A	CLPMO	09/21/94	16:47	LB	Q	CONC
32	4605-11	J09214A	CLPMO	09/21/94	16:53	LB	S	CONC
33	4605-12	J09214A	CLPMO	09/21/94	16:59	LB	S	CONC
34	4605-13	J09214A	CLPMO	09/21/94	17:06	LB	S	CONC
35	4605-14	J09214A	CLPMO	09/21/94	17:12	LB	S	CONC
36	4605-15	J09214A	CLPMO	09/21/94	17:18	LB	S	CONC
37	4605-16	J09214A	CLPMO	09/21/94	17:25	LB	S	CONC
38	4605-17	J09214A	CLPMO	09/21/94	17:31	LB	S	CONC
39	4605-18	J09214A	CLPMO	09/21/94	17:38	LB	S	CONC
40	CCV	J09214A	CLPMO	09/21/94	17:44	LB	Q	CONC
41	CCB	J09214A	CLPMO	09/21/94	17:50	LB	Q	CONC
42	PBS0913B	J09214A	CLPMO	09/21/94	17:57	LB	S	CONC
43	LCSS0913B	J09214A	CLPMO	09/21/94	18:03	LB	S	CONC
44	4605-19	J09214A	CLPMO	09/21/94	18:10	LB	S	CONC
45	4605-20	J09214A	CLPMO	09/21/94	18:16	LB	S	CONC
46	4605-21L	J09214A	CLPMO	09/21/94	18:23	LB	S	CONC
47	4605-21	J09214A	CLPMO	09/21/94	18:29	LB	S	CONC
48	4605-21R	J09214A	CLPMO	09/21/94	18:35	LB	S	CONC
49	4605-21S	J09214A	CLPMO	09/21/94	18:42	LB	S	CONC
50	CCV1	J09214A	CLPMO	09/21/94	18:48	LB	Q	CONC
51	CCB1	J09214A	CLPMO	09/21/94	18:55	LB	Q	CONC
52	4605-21A	J09214A	CLPMO	09/21/94	19:01	LB	S	CONC
53	4605-22	J09214A	CLPMO	09/21/94	19:07	LB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	4605-23	J09214A	CLPMO	09/21/94	19:14	LB	S	CONC
55	4605-24	J09214A	CLPMO	09/21/94	19:20	LB	S	CONC
56	4605-25	J09214A	CLPMO	09/21/94	19:27	LB	S	CONC
57	4605-26	J09214A	CLPMO	09/21/94	19:33	LB	S	CONC
58	4605-27	J09214A	CLPMO	09/21/94	19:39	LB	S	CONC
59	4605-28	J09214A	CLPMO	09/21/94	19:46	LB	S	CONC
60	4605-29	J09214A	CLPMO	09/21/94	19:52	LB	S	CONC
61	CCV1	J09214A	CLPMO	09/21/94	19:59	LB	Q	CONC
62	CCB1	J09214A	CLPMO	09/21/94	20:05	LB	Q	CONC
63	4605-30	J09214A	CLPMO	09/21/94	20:11	LB	S	CONC
64	4605-31	J09214A	CLPMO	09/21/94	20:18	LB	S	CONC
65	4605-32	J09214A	CLPMO	09/21/94	20:24	LB	S	CONC
66	4605-33	J09214A	CLPMO	09/21/94	20:31	LB	S	CONC
67	4605-34	J09214A	CLPMO	09/21/94	20:37	LB	S	CONC
68	4605-35	J09214A	CLPMO	09/21/94	20:43	LB	S	CONC
69	4605-36	J09214A	CLPMO	09/21/94	20:50	LB	S	CONC
70	PBS0914B	J09214A	CLPMO	09/21/94	20:56	LB	S	CONC
71	CCV1	J09214A	CLPMO	09/21/94	21:03	LB	Q	CONC
72	CCB1	J09214A	CLPMO	09/21/94	21:09	LB	Q	CONC
73	LCSS0914B	J09214A	CLPMO	09/21/94	21:15	LB	S	CONC
74	4605-40	J09214A	CLPMO	09/21/94	21:22	LB	S	CONC
75	4606-01L	J09214A	CLPMO	09/21/94	21:28	LB	S	CONC
76	4606-01	J09214A	CLPMO	09/21/94	21:35	LB	S	CONC
77	4606-01R	J09214A	CLPMO	09/21/94	21:41	LB	S	CONC
78	4606-01S	J09214A	CLPMO	09/21/94	21:48	LB	S	CONC
79	4606-01A	J09214A	CLPMO	09/21/94	21:54	LB	S	CONC
80	4606-02	J09214A	CLPMO	09/21/94	22:00	LB	S	CONC
81	CCV2	J09214A	CLPMO	09/21/94	22:07	LB	Q	CONC
82	CCB2	J09214A	CLPMO	09/21/94	22:13	LB	Q	CONC
83	4606-03	J09214A	CLPMO	09/21/94	22:20	LB	S	CONC
84	4606-04	J09214A	CLPMO	09/21/94	22:26	LB	S	CONC
85	4606-05	J09214A	CLPMO	09/21/94	22:32	LB	S	CONC
86	4606-06	J09214A	CLPMO	09/21/94	22:39	LB	S	CONC
87	4606-07	J09214A	CLPMO	09/21/94	22:45	LB	S	CONC
88	4607-01	J09214A	CLPMO	09/21/94	22:52	LB	S	CONC
89	4607-02	J09214A	CLPMO	09/21/94	22:58	LB	S	CONC
90	4607-03	J09214A	CLPMO	09/21/94	23:05	LB	S	CONC
91	CCV2	J09214A	CLPMO	09/21/94	23:11	LB	Q	CONC
92	CCB2	J09214A	CLPMO	09/21/94	23:17	LB	Q	CONC
93	4607-04	J09214A	CLPMO	09/21/94	23:24	LB	S	CONC
94	4607-05	J09214A	CLPMO	09/21/94	23:30	LB	S	CONC
95	4607-06	J09214A	CLPMO	09/21/94	23:37	LB	S	CONC
96	CRI	J09214A	CLPMO	09/21/94	23:43	LB	Q	CONC
97	ICSA	J09214A	CLPMO	09/21/94	23:49	LB	Q	CONC
98	ICSAB	J09214A	CLPMO	09/21/94	23:56	LB	Q	CONC
99	CCV2	J09214A	CLPMO	09/22/94	00:02	LB	Q	CONC
100	CCB2	J09214A	CLPMO	09/22/94	00:09	LB	Q	CONC

#	Element	FE100	STD'lank	ST03	ICV	STD'lank	STD3
1	Ag3280	-.1094	.96151	32.2104	1.009	.97201	32.3848
2	Al3082	-.2774	1.26386	4.11994	1.014	1.28085	4.14442
3	As1890	-.0012	-.1839	53.1289	1.064	-.17441	53.4833
4	Ba4934	.0002	-.00149	222.947	1.001	.01199	223.437
5	Be3130	.0008	-8.5875	386.918	1.027	-8.5497	391.186
6	Ca3179	-.0003	.28835	4.53273	Q100.7	.28685	4.56571
7	Cd2265	.0068	.17841	358.626	1.004	.23688	363.455
8	Co2286	-.0000	1.81759	42.7241	1.002	1.82558	43.0575
9	Cr2677	.0003	-.00924	22.2931	1.022	.00149	22.5302
10	Cu3247	-.0006	.01449	10.1629	1.007	.01499	10.1494
11	Fe2714	90.80	-.00049	.83014	1.005	.01017	.84284
12	K_7664	-.0054	.04297	49.3398	9.932	.03148	49.4063
13	Mg2795	.2158	-.02948	2.16041	9.835	-.02948	2.1904
14	Mn2576	-.0027	.02398	1.53323	.9864	.02398	1.54522
15	Mo2020	.0015	4.08046	98.3748	1.031	4.14092	99.3803
16	Na5889	-.0069	.33383	74.9995	10.08	.35482	75.1734
17	Ni2316	.0006	-.34582	137.845	1.000	-.34657	139.328
18	2203/1	.0005	.23338	89.5327	1.004	.22638	90.2509
19	2203/2	.0007	.05347	57.1394	.9999	.10594	57.6442
20	2068/1	.0007	.21339	72.4993	1.023	.11094	72.8016
21	2068/2	.0011	.09095	39.1594	1.016	.16741	39.2284
22	1960/1	.0006	-.81209	40.1119	1.078	-.68515	40.2279
23	1960/2	-.0025	.86206	58.9006	1.069	.84207	59.1574
24	Tl1908	.0051	-.22413	27.9458	.9925	-.17166	28.1587
25	V_2924	-.0014	.01074	33.976	.9511	.01099	34.2426
26	Zn2138	.0007	-.03973	44.4218	1.014	-.03748	44.8543
27	PB2203	.0015			1.001		
28	SE1960	-.0004			1.075		
29	SB2068	.0015			1.018		

#	Element	ICV	ICB	CRI	ICSA	ICSAB	PBS0913A
1	Ag3280	1.007	.0001	.0195	.0017	.9665	-.0004
2	Al3082	1.011	.0042	.0370	98.86	100.3	.0247
3	As1890	1.059	.0017	.0216	.0009	.9991	.0005
4	Ba4934	1.001	.0001	.0000	-.0002	.4743	.0004
5	Be3130	1.022	.0001	.0101	.0001	.4755	-.0003
6	Ca3179	10.04	.0059	.0378	244.5	243.0	.0985
7	Cd2265	.9971	-.0000	.0102	.0007	.9212	.0002
8	Co2286	.9991	.0001	.1003	.0005	.4695	-.0008
9	Cr2677	1.018	-.0002	.0199	.0003	.4660	-.0001
10	Cu3247	1.006	-.0004	.0519	.0019	.5101	.0031
11	Fe2714	.9914	-.0052	.0142	88.43	88.22	.0078
12	K_7664	9.919	.0047	.0010	.0117	.0179	-.0012
13	Mg2795	9.862	-.0246	.0428	9.566	9.573	-.0048
14	Mn2576	.9826	.0000	.0299	-.0014	.4637	.0000
15	Mo2020	1.024	-.0004	.0201	.0002	.9671	-.0008
16	Na5889	10.07	.0014	-.0006	.0031	1.307	.1017
17	Ni2316	.9944	-.0002	.0811	.0021	.9346	-.0002
18	2203/1	.9977	.0006	.0055	-.0021	.9601	-.0010
19	2203/2	1.002	-.0005	.0050	-.0003	.9651	.0012
20	2068/1	1.028	.0018	.0960	.0021	1.024	.0016

#	Element	ICV	ICB	CRI	ICSA	ICSAB	PBS0913A
21	2068/2	1.015	.0018	.0950	.0010	1.006	-.0020
22	1960/1	1.075	-.0012	.0113	-.0116	.9579	.0000
23	1960/2	1.078	-.0030	.0075	-.0138	.9650	-.0024
24	T11908	.9893	.0034	.0180	-.0033	.9716	.0030
25	V_2924	.9493	.0002	.1014	-.0017	.4680	.0000
26	Zn2138	1.011	.0003	.0410	.0025	.9601	.0017
27	PB2203	.9976	.0008	.0044	.0000	.9623	-.0003
28	SE1960	1.076	-.0018	.0100	-.0123	.9603	-.0008
29	SB2068	1.020	.0018	.0948	.0013	1.012	-.0008

#	Element	LCS'913A	4605-01L	4605-01	4605-01R	4605-01S	4605-01A
1	Ag3280	.4668	.0004	.0017	.0004	.0535	.0544
2	Al3082	46.57	6.234	31.51	36.55	56.67	33.27
3	As1890	.8702	.0028	.0066	.0063	.0473	2.099
4	Ba4934	.7013	.2400	1.181	1.338	3.361	3.195
5	Be3130	.2850	.0004	.0021	.0020	.0521	.0511
6	Ca3179	26.16	2.313	11.33	11.77	13.45	11.15
7	Cd2265	.6941	.0002	.0017	.0015	.0017	.0530
8	Co2286	2.004	.0041	.0203	.0213	.5349	.5320
9	Cr2677	.4915	.0063	.0322	.0327	.2473	.2378
10	Cu3247	.9004	.0481	.2429	.2415	1.193	.5026
11	Fe2714	75.05	7.764	37.97	40.27	47.81	38.40
12	K_7664	<u>H45.37</u>	1.100	6.846	7.258	9.696	6.794
13	Mg2795	21.38	1.846	8.309	9.026	<u>H11.03</u>	8.201
14	Mn2576	1.528	.3393	1.662	1.755	2.293	2.137
15	Mo2020	1.137	.0002	.0010	.0012	.9944	1.001
16	Na5889	4.562	.0952	.5585	.6926	1.190	.5558
17	Ni2316	1.263	.0063	.0325	.0322	.5592	.5491
18	2203/1	.5967	.0099	.0509	.0480	.0700	.5656
19	2203/2	.5934	.0101	.0499	.0467	.0667	.5621
20	2068/1	.7812	.0014	.0018	.0013	.0483	.5192
21	2068/2	.7696	-.0007	-.0018	-.0030	.0541	.5277
22	1960/1	.8672	.0003	-.0012	-.0056	.0082	2.068
23	1960/2	.8582	-.0022	-.0048	-.0061	.0024	2.068
24	T11908	.7437	.0027	-.0023	-.0048	.0429	2.071
25	V_2924	.9062	.0177	.0872	.0928	.6260	.6021
26	Zn2138	.9141	.0304	.1502	.1489	.6817	.6617
27	PB2203	.5956	.0115	.0506	.0466	.0704	.5669
28	SE1960	.8642	-.0005	-.0024	L-.0057	.0068	2.068
29	SB2068	.7740	.0000	-.0006	-.0015	.0522	.5249

#	Element	CCV	CCB	4605-02	4605-03	4605-04	4605-05
1	Ag3280	1.008	-.0004	.0009	.0086	.0137	.0167
2	Al3082	1.021	.0064	134.1	13.99	83.08	85.02
3	As1890	1.014	.0004	.0232	.0090	.0192	.0157
4	Ba4934	1.014	.0000	2.847	.5227	1.245	3.945
5	Be3130	1.007	-.0001	.0065	.1643	.0104	.0045
6	Ca3179	10.08	.0001	43.42	14.62	14.15	11.85
7	Cd2265	1.007	-.0002	.0004	.0022	.0038	.0055
8	Co2286	1.006	-.0002	.0486	.0103	.0416	.0311

TV
10.0

#	Element	CCV	CCB	4605-02	4605-03	4605-04	4605-05
9	Cr2677	1.006	-.0004	.0666	.1014	.0718	.0614
10	Cu3247	1.010	-.0004	.0501	2.579	.7010	34.69
11	Fe2714	1.026	-.0083	80.34	23.22	69.37	57.60
12	K_7664	10.17	-.0022	10.10	2.021	11.57	9.156
13	Mg2795	9.994	-.0267	<u>H14.44</u>	5.831	<u>H15.56</u>	<u>H12.49</u>
14	Mn2576	1.005	.0010	2.562	.4810	2.299	1.867
15	Mo2020	1.007	-.0005	.0020	.0022	.0036	.0039
16	Na5889	10.24	.0007	6.767	.4134	.8401	.9347
17	Ni2316	1.007	-.0004	.0577	.0732	.0529	.2754
18	2203/1	1.006	-.0009	.0805	.8478	.1049	.2734
19	2203/2	1.005	-.0011	.0847	.8527	.1232	.2799
20	2068/1	1.010	.0005	.0020	.0081	-.0007	-.0041
21	2068/2	1.012	-.0024	-.0024	.0102	.0001	.0017
22	1960/1	1.010	.0007	-.0072	-.0023	-.0105	-.0048
23	1960/2	1.012	-.0025	-.0109	-.0058	-.0060	-.0079
24	Ti1908	1.016	-.0004	-.0029	-.0032	-.0047	-.0043
25	V_2924	1.010	-.0001	.1394	.0418	.1350	.1098
26	Zn2138	1.006	.0002	.1500	.2904	.2449	1.486
27	PB2203	1.004	-.0010	.0809	.8464	.1095	.2761
28	SE1960	1.010	-.0004	K -.0084	-.0035	K -.0090	K -.0058
29	SB2068	1.012	-.0010	-.0010	.0095	-.0001	-.0002

#	Element	4605-06	4605-07	4605-08	4605-09	4605-10	CCV
1	Ag3280	-.0001	-.0008	.0001	.0256	-.0001	1.004
2	Al3082	88.23	80.20	67.30	61.42	17.43	1.016
3	As1890	.0159	.0196	.0145	.0171	.0116	1.006
4	Ba4934	.6616	1.142	1.073	.8101	.2778	1.008
5	Be3130	.0064	.0040	.0039	.0058	.0012	.9998
6	Ca3179	14.14	11.32	14.45	9.225	7.250	^{n.v.} _{h.o.} 9.970
7	Cd2265	.0002	.0005	.0112	.0021	.0022	.9971
8	Co2286	.0230	.0343	.0246	.0378	.0070	.9965
9	Cr2677	.0563	.0562	.0461	.0535	.0112	.9959
10	Cu3247	.0318	.0352	.2051	.1946	.0404	1.010
11	Fe2714	53.47	73.78	58.42	61.98	26.45	1.014
12	K_7664	11.44	8.529	14.27	11.14	3.451	10.14
13	Mg2795	<u>H14.31</u>	<u>H11.78</u>	<u>H11.75</u>	9.958	3.591	9.997
14	Mn2576	1.461	1.903	1.564	2.533	1.171	.9934
15	Mo2020	.0045	.0021	.0015	.0032	.0012	.9980
16	Na5889	5.672	.9835	.6867	.4917	.4297	10.21
17	Ni2316	.0508	.0435	.0412	.0412	.0115	.9989
18	2203/1	.0350	.0582	.4331	.0968	.0478	.9968
19	2203/2	.0379	.0619	.4357	.1075	.0458	.9995
20	2068/1	.0012	.0028	.0025	.0070	.0013	1.006
21	2068/2	-.0018	-.0002	.0005	-.0009	-.0005	1.008
22	1960/1	-.0047	-.0046	-.0001	-.0144	.0002	1.008
23	1960/2	-.0082	-.0075	-.0072	-.0025	-.0034	1.014
24	Ti1908	-.0022	-.0037	-.0039	-.0048	-.0012	1.007
25	V_2924	.0851	.1326	.1110	.1322	.0280	1.002
26	Zn2138	.1367	.1447	.2100	.1931	.1433	1.000
27	PB2203	.0335	.0580	.4340	.0988	.0462	.9962
28	SE1960	K -.0058	K -.0056	-.0025	K -.0104	-.0005	1.010
29	SB2068	-.0008	.0008	.0012	.0022	.0006	1.008

#	Element	CCB	4605-11	4605-12	4605-13	4605-14	4605-15
1	Ag3280	-.0008	-.0003	-.0001	.0001	.0094	.0068
2	Al3082	.0062	90.21	33.70	26.33	21.32	21.52
3	As1890	.0021	.0158	.0137	.0127	.0317	.0109
4	Ba4934	.0001	.9704	.4981	.2382	.3951	.5109
5	Be3130	8 -.0001	.0046	.0025	.0036	.0772	.0466
6	Ca3179	-.0070	14.81	6.559	5.171	8.462	8.518
7	Cd2265	-.0001	.0004	.0010	.0002	.0021	.0018
8	Co2286	-.0007	.0271	.0166	.0066	.0108	.0074
9	Cr2677	-.0003	.0424	.0235	.0176	.0512	.0426
10	Cu3247	-.0003	.0349	.0720	.0648	18.53	4.723
11	Fe2714	-.0071	52.78	37.98	29.12	24.80	24.90
12	K_7664	-.0052	12.90	6.192	3.369	3.369	3.454
13	Mg2795	-.0042	<u>H10.89</u>	5.870	4.724	5.125	5.325
14	Mn2576	.0013	1.434	1.443	.8365	.6478	.7007
15	Mo2020	-.0010	.0006	.0016	.0021	.0030	.0022
16	Na5889	.0009	.7900	.4722	.5497	.4514	.4565
17	Ni2316	.0000	.0409	.0216	.0239	.0456	.0373
18	2203/1	.0010	.0507	.0780	.0624	5.941	.3588
19	2203/2	-.0015	.0547	.0760	.0613	5.955	.3596
20	2068/1	.0008	.0017	.0022	.0049	.0513	.0162
21	2068/2	-.0001	-.0008	-.0003	.0001	.0511	.0178
22	1960/1	-.0018	-.0020	-.0038	-.0005	-.0037	-.0047
23	1960/2	-.0008	-.0099	-.0051	-.0063	-.0043	-.0054
24	Ti1908	-.0018	-.0025	-.0044	-.0046	-.0022	-.0038
25	V_2924	.0000	.0949	.0540	.0341	.0423	.0346
26	Zn2138	.0003	.1208	.1556	.1340	.3464	.3322
27	PB2203	.0002	.0525	.0769	.0635	5.945	.3591
28	SE1960	-.0015	K -.0051	-.0042	-.0030	-.0029	-.0049
29	SB2068	.0002	-.0005	.0005	.0017	.0517	.0172
#	Element	4605-16	4605-17	4605-18	CCV	CCB	PBS0913B
1	Ag3280	-.0002	-.0001	.0000	1.003	-.0007	-.0011
2	Al3082	93.62	78.15	97.03	1.021	.0047	.0135
3	As1890	.0149	.0159	.0206	1.009	.0006	.0004
4	Ba4934	1.212	1.076	1.680	1.010	.0001	.0002
5	Be3130	.0053	.0042	.0056	.9976	8 -.0002	-.0006
6	Ca3179	11.83	13.15	24.37	^{T.K.} 9.958	-.0035	-.0011
7	Cd2265	.0006	.0011	.0006	^{10.0} .9914	-.0002	-.0002
8	Co2286	.0375	.0300	.0238	.9944	-.0006	-.0015
9	Cr2677	.0554	.0488	.0585	.9919	-.0004	-.0004
10	Cu3247	.0410	.2283	.0489	1.013	-.0003	.0046
11	Fe2714	66.07	59.21	69.05	1.016	-.0054	-.0081
12	K_7664	15.13	13.05	20.12	10.17	-.0051	.0012
13	Mg2795	<u>H11.91</u>	<u>H11.08</u>	<u>H15.68</u>	9.864	-.0088	-.0245
14	Mn2576	2.348	1.700	1.084	.9901	.0010	.0000
15	Mo2020	.0019	.0014	.0016	.9950	-.0008	-.0014
16	Na5889	.7101	.6279	6.378	10.24	.0011	.1042
17	Ni2316	.0497	.0422	.0517	.9939	-.0002	-.0001
18	2203/1	.0623	.2303	.0447	.9975	-.0006	-.0004
19	2203/2	.0641	.2295	.0502	.9976	-.0004	-.0003
20	2068/1	.0011	.0010	.0020	1.001	.0002	.0007

#	Element	4605-16	4605-17	4605-18	CCV	CCB	PBS0913B
21	2068/2	-.0022	-.0023	-.0019	1.009	-.0015	-.0012
22	1960/1	-.0021	-.0052	-.0054	1.010	-.0011	-.0007
23	1960/2	-.0096	-.0086	-.0113	1.007	-.0024	-.0028
24	Tl1908	-.0048	-.0029	-.0053	.9967	-.0011	-.0019
25	V_2924	.1212	.1155	.1026	.9995	.0000	-.0001
26	Zn2138	.1664	.1708	.1843	.9960	.0001	.0015
27	PB2203	.0634	.2300	.0435	.9961	-.0005	-.0004
28	SE1960	-.0046	X -.0064	X -.0074	1.010	-.0020	-.0014
29	SB2068	-.0011	-.0012	-.0006	1.007	-.0014	-.0005

#	Element	LCS'913B	4605-19	4605-20	4605-21L	4605-21	4605-21R
1	Ag3280	.4741	-.0005	.0000	.0006	.0042	.0593
2	Al3082	46.89	72.82	60.18	5.240	26.35	25.23
3	As1890	.8977	.0174	.0178	.0051	.0144	.0143
4	Ba4934	.7145	.8561	.5890	.1046	.5159	.5718
5	Be3130	.2902	.0041	.0035	.0025	.0139	.0146
6	Ca3179	26.53	9.024	13.36	1.552	7.637	7.879
7	Cd2265	.7010	.0011	.0009	.0002	.0012	.0110
8	Co2286	2.026	.0399	.0233	.0018	.0084	.0099
9	Cr2677	.4863	.0541	.0394	.0060	.0311	.0294
10	Cu3247	.9162	.0771	.0418	.8297	4.135	5.791
11	Fe2714	69.94	62.69	52.13	6.004	29.54	31.99
12	K_7664	<u>H46.05</u>	13.70	12.27	.5308	3.233	3.143
13	Mg2795	21.48	<u>H10.48</u>	9.236	1.106	5.227	5.042
14	Mn2576	1.552	2.512	1.662	.1715	.8408	.9773
15	Mo2020	1.127	.0024	.0027	.0001	.0028	.0025
16	Na5889	4.703	.5163	.6456	.1013	.5785	.5504
17	Ni2316	1.279	.0473	.0324	.0066	.0335	.0318
18	2203/1	.6049	.0745	.1130	.3867	1.923	2.681
19	2203/2	.6089	.0740	.1140	.3882	1.928	2.681
20	2068/1	.6111	.0019	.0018	.0111	.0492	.0067
21	2068/2	.5975	-.0019	-.0020	.0105	.0461	.0138
22	1960/1	.9025	-.0018	.0003	-.0013	-.0074	-.0003
23	1960/2	.9022	-.0073	-.0047	.0003	-.0055	-.0066
24	Tl1908	.7484	-.0008	-.0051	.0006	-.0020	-.0034
25	V_2924	.9101	.1269	.0804	.0080	.0403	.0445
26	Zn2138	.9157	.1659	.1631	.0743	.3665	.2711
27	PB2203	.6062	.0744	.1139	.3887	1.925	2.681
28	SE1960	.9024	-.0036	-.0013	-.0008	X -.0068	-.0024
29	SB2068	.6020	-.0007	-.0002	.0107	.0471	.0114

#	Element	4605-21S	CCV1	CCB1	4605-21A	4605-22	4605-23
1	Ag3280	.0579	1.018	-.0005	.0562	-.0003	-.0008
2	Al3082	45.62	1.033	.0078	27.90	7.663	8.944
3	As1890	.0618	1.026	.0030	2.100	.0078	.0050
4	Ba4934	2.578	1.024	.0000	2.538	.1367	.1034
5	Be3130	.0678	1.019	X -.0004	.0624	.0011	.0007
6	Ca3179	8.278	10.11	-.0012	7.412	3.306	2.012
7	Cd2265	.0010	1.014	-.0002	.0523	.0001	-.0000
8	Co2286	.5334	1.014	-.0004	.5181	.0031	.0028

#	Element	4605-21S	CCV1	CCB1	4605-21A	4605-22	4605-23
9	Cr2677	.2544	1.012	-.0007	.2356	.0189	.0111
10	Cu3247	5.324	1.027	-.0002	4.330	.0560	.0172
11	Fe2714	41.22	1.015	-.0108	29.70	18.43	25.82
12	K_7664	5.751	10.28	.0014	3.189	1.384	1.285
13	Mg2795	6.893	10.08	.0072	5.122	1.158	1.722
14	Mn2576	1.319	1.010	.0000	1.321	1.232	.8669
15	Mo2020	1.027	1.013	-.0001	1.011	.0025	.0018
16	Na5889	.6850	10.26	.0001	.5800	.7454	.5591
17	Ni2316	.5747	1.013	-.0001	.5466	.0290	.0143
18	2203/1	4.054	1.015	.0018	2.391	.0578	.0141
19	2203/2	4.057	1.016	-.0013	2.394	.0559	.0096
20	2068/1	.0869	1.019	.0004	.5680	.0018	-.0004
21	2068/2	.0896	1.024	-.0002	.5688	.0005	.0001
22	1960/1	.0050	1.032	-.0012	2.059	-.0020	-.0041
23	1960/2	.0048	1.032	-.0037	2.076	-.0017	-.0059
24	Tl1908	.0442	1.020	-.0024	2.045	.0013	-.0034
25	V_2924	.5817	1.018	-.0001	.5541	.0102	.0122
26	Zn2138	.8087	1.012	.0001	.8668	.1234	.1224
27	PB2203	4.057	1.014	.0007	2.394	.0581	.0141
28	SE1960	.0049	1.032	-.0020	2.065	-.0019	-.0046
29	SB2068	.0887	1.022	.0000	.5685	.0004	-.0001

#	Element	4605-24	4605-25	4605-26	4605-27	4605-28	4605-29
1	Ag3280	.0032	.0029	.0031	.0060	.0036	.0052
2	Al3082	9.535	39.69	20.32	23.24	35.14	18.06
3	As1890	.0068	.0159	.0106	.0124	.0113	.0108
4	Ba4934	.2881	.4939	.3556	.4609	.5273	.4910
5	Be3130	.0499	.0115	.0152	.0159	.0073	.0062
6	Ca3179	5.133	63.99	83.88	76.02	34.63	187.9
7	Cd2265	.0011	.0014	.0006	.0014	.0016	.0013
8	Co2286	.0220	.0176	.0107	.0145	.0166	.0130
9	Cr2677	.0730	.0457	.0436	.0473	.0344	.0592
10	Cu3247	3.419	.2345	.3238	.5415	.2228	.6118
11	Fe2714	21.56	40.46	30.13	36.19	34.79	35.98
12	K_7664	1.538	7.708	4.006	4.897	7.299	3.138
13	Mg2795	3.422	8.667	6.554	7.179	7.815	7.789
14	Mn2576	.6335	1.094	.8292	.9396	1.034	.8883
15	Mo2020	.0043	.0091	.0022	.0032	.0012	.0042
16	Na5889	.5259	.7673	.7147	.7914	.5669	.8650
17	Ni2316	.0463	.0392	.0266	.0302	.0325	.0502
18	2203/1	.3002	.1910	.2560	.1528	.1067	.1130
19	2203/2	.2995	.1910	.2580	.1534	.1054	.1150
20	2068/1	.0117	.0047	.0011	.0004	.0030	.0017
21	2068/2	.0076	.0025	-.0025	.0001	.0013	-.0010
22	1960/1	-.0024	-.0044	-.0052	-.0058	-.0031	-.0068
23	1960/2	-.0048	-.0056	-.0040	-.0051	-.0071	-.0075
24	Tl1908	-.0034	-.0018	-.0017	-.0002	-.0046	-.0028
25	V_2924	.0217	.0669	.0533	.0639	.0626	.0735
26	Zn2138	.1955	.1545	.1312	.1546	.1729	.1193
27	PB2203	.2980	.1905	.2577	.1520	.1068	.1151
28	SE1960	-.0032	-.0048	✓-.0053	✓-.0056	-.0044	✓-.0071
29	SB2068	.0090	.0032	-.0018	.0002	.0019	-.0001

#	Element	CCV1	CCB1	4605-30	4605-31	4605-32	4605-33
1	Ag3280	1.017	-.0004	.0017	.0001	-.0001	-.0005
2	Al3082	1.038	.0155	46.29	64.91	82.09	75.17
3	As1890	1.025	.0006	.0106	.0236	.0209	.0166
4	Ba4934	1.029	.0000	.5047	.7510	1.547	.7755
5	Be3130	1.018	-.0005	.0085	.0051	.0051	.0038
6	Ca3179	<i>T.V. 10.0</i> 10.05	-.0023	37.64	11.99	25.51	9.982
7	Cd2265	1.014	-.0000	.0012	.0008	.0004	.0024
8	Co2286	1.010	-.0002	.0165	.0336	.0235	.0350
9	Cr2677	1.012	-.0004	.0361	.0549	.0531	.0531
10	Cu3247	1.025	-.0002	.1557	.0830	.0482	.0943
11	Fe2714	1.016	-.0072	39.33	64.99	62.54	62.81
12	K_7664	10.34	.0009	7.811	11.51	17.93	14.89
13	Mg2795	10.08	-.0087	8.070	9.402	<u>H14.57</u>	<u>H10.64</u>
14	Mn2576	1.010	.0000	.9220	1.969	1.197	1.693
15	Mo2020	1.014	-.0005	.0015	.0029	.0022	.0018
16	Na5889	10.30	.0003	.6595	.6827	6.109	.9588
17	Ni2316	1.013	.0000	.0309	.0448	.0494	.0425
18	2203/1	1.013	-.0021	.1035	.1012	.0471	.1437
19	2203/2	1.013	-.0002	.1051	.1013	.0493	.1466
20	2068/1	1.019	.0014	.0030	.0043	-.0003	.0017
21	2068/2	1.028	.0002	-.0003	.0022	.0007	.0006
22	1960/1	1.031	.0034	-.0056	-.0000	-.0054	-.0036
23	1960/2	1.032	.0017	-.0081	-.0062	-.0078	-.0072
24	Tl1908	1.024	-.0001	-.0036	-.0036	-.0026	-.0041
25	V_2924	1.019	.0001	.0679	.1202	.0935	.1218
26	Zn2138	1.013	.0001	.1465	.1598	.1656	.1578
27	PB2203	1.012	-.0014	.1030	.1013	.0478	.1447
28	SE1960	1.031	.0028	-.0065	-.0021	-.0062	-.0048
29	SB2068	1.025	.0006	.0008	.0029	.0004	.0009
#	Element	4605-34	4605-35	4605-36	PBS0914B	CCV1	CCB1
1	Ag3280	.0007	.1595	.0231	-.0010	1.021	-.0006
2	Al3082	140.2	102.7	94.28	.0335	1.049	.0226
3	As1890	.0871	3.270	.5268	.0008	1.035	.0015
4	Ba4934	2.020	1.709	.9852	.0001	1.034	.0000
5	Be3130	.0031	.0048	.0039	-.0009	<i>T.V. 1.023</i>	-.0005
6	Ca3179	70.77	19.80	104.1	.0012	<i>10.05</i>	-.0094
7	Cd2265	.0030	.1028	.1995	-.0001	<i>1.023</i>	-.0001
8	Co2286	.0624	.0465	.0444	-.0013	1.012	-.0006
9	Cr2677	.3742	.0966	.1018	-.0003	1.016	-.0007
10	Cu3247	.1732	14.78	.5849	.0063	1.024	-.0004
11	Fe2714	<u>H139.6</u>	<u>H131.1</u>	<u>H101.1</u>	-.0013	1.016	-.0089
12	K_7664	27.41	33.61	28.71	.0017	10.39	-.0002
13	Mg2795	<u>H30.05</u>	<u>H20.27</u>	<u>H23.99</u>	-.0203	10.13	-.0109
14	Mn2576	2.380	<u>H34.12</u>	2.510	.0000	1.004	.0000
15	Mo2020	.0060	.0948	.0069	-.0007	1.021	-.0004
16	Na5889	4.923	3.757	1.761	.1032	10.34	.0001
17	Ni2316	.3862	.0599	.0841	.0002	1.022	-.0006
18	2203/1	.0541	26.69	5.756	.0017	1.010	-.0006
19	2203/2	.0651	26.87	5.802	.0017	1.018	-.0005
20	2068/1	.0046	.0415	.0310	.0008	1.021	.0010

#	Element	4605-34	4605-35	4605-36	PBS0914B	CCV1	CCB1
21	2068/2	.0023	.0504	.0286	-.0003	1.034	-.0005
22	1960/1	-.0026	-.0021	-.0009	.0007	1.032	-.0033
23	1960/2	-.0110	-.0098	-.0088	-.0033	1.039	-.0011
24	T11908	-.0068	X-.0100	.0021	-.0005	1.031	-.0010
25	V_2924	.3494	.2429	.2234	.0001	1.023	.0001
26	Zn2138	.4819	H20.00	1.633	.0022	1.018	.0003
27	PB2203	.0558	26.75	5.771	.0017	1.013	-.0006
28	SE1960	X-.0054	-.0047	-.0036	-.0006	1.034	-.0020
29	SB2068	.0031	.0475	.0294	.0006	1.030	-.0000

#	Element	LCS'914B	4605-40	4606-01L	4606-01	4606-01R	4606-01S
1	Ag3280	.5024	-.0004	-.0001	.0013	.0009	.0555
2	Al3082	48.84	18.99	12.80	65.14	63.05	90.54
3	As1890	.8772	.0141	.0027	.0128	.0132	.0546
4	Ba4934	.7215	.2014	.1198	.5883	.5508	2.706
5	Be3130	.2823	.0009	.0010	.0076	.0072	.0581
6	Ca3179	25.86	3.970	9.587	47.11	30.68	35.64
7	Cd2265	.6802	.0006	-.0002	.0006	.0006	.0004
8	Co2286	1.964	.0068	.0041	.0218	.0190	.5342
9	Cr2677	.4751	.0125	.0089	.0452	.0464	.2747
10	Cu3247	.8948	.0280	.0227	.1161	.0902	.5571
11	Fe2714	79.05	32.52	10.33	50.37	47.88	58.37
12	K_7664	H45.68	3.172	1.692	10.91	10.45	15.45
13	Mg2795	21.04	3.215	2.158	9.229	8.991	H11.38
14	Mn2576	1.514	.8350	.2981	1.446	1.102	1.778
15	Mo2020	1.114	.0039	.0003	.0021	.0023	1.001
16	Na5889	4.601	.5791	.1557	.9562	.8805	1.466
17	Ni2316	1.249	.0111	.0078	.0375	.0366	.5721
18	2203/1	.5854	.0576	.0164	.0842	.0961	.1649
19	2203/2	.5984	.0530	.0168	.0878	.0996	.1683
20	2068/1	.6404	.0006	.0006	.0032	.0020	.0278
21	2068/2	.6274	.0019	-.0014	-.0022	-.0013	.0315
22	1960/1	.8721	-.0024	-.0008	-.0041	-.0072	.0064
23	1960/2	.8805	-.0034	-.0039	-.0068	-.0068	.0024
24	T11908	.7314	.0002	-.0003	-.0046	-.0033	.0419
25	V_2924	.8918	.0331	.0162	.0803	.0780	.6253
26	Zn2138	.9069	.1480	.0308	.1530	.1486	.7110
27	PB2203	.5897	.0556	.0180	.0844	.0963	.1675
28	SE1960	.8749	-.0027	-.0018	-.0045	L-.0066	.0050
29	SB2068	.6317	.0015	-.0007	-.0004	-.0002	.0303

#	Element	4606-01A	4606-02	CCV2	CCB2	4606-03	4606-04
1	Ag3280	.0541	-.0013	1.021	-.0010	.0216	.0038
2	Al3082	66.03	80.38	1.055	.0331	84.89	16.32
3	As1890	2.125	.0181	1.038	.0019	.0151	.0143
4	Ba4934	2.616	.6366	1.036	.0000	.6722	.4027
5	Be3130	.0559	.0035	1.018	-.0006	.0126	.0071
6	Ca3179	45.99	13.15	10.06	-.0093	11.49	144.6
7	Cd2265	.0514	.0006	1.019	.0000	.0010	.0020
8	Co2286	.5226	.0244	1.003	-.0006	.0312	.0118

#	Element	4606-01A	4606-02	CCV2	CCB2	4606-03	4606-04
9	Cr2677	.2468	.0522	1.011	-.0005	.0734	.0467
10	Cu3247	.3770	.0467	1.022	-.0009	.5018	.5084
11	Fe2714	50.24	64.94	1.009	-.0086	60.56	36.65
12	K_7664	10.77	15.12	10.46	-.0008	13.61	3.508
13	Mg2795	9.068	<u>H10.52</u>	10.05	-.0200	<u>H10.58</u>	7.848
14	Mn2576	1.915	1.476	1.000	.0000	1.677	.7680
15	Mo2020	1.017	.0027	1.019	-.0007	.0034	.0027
16	Na5889	.9431	.7538	10.45	-.0003	.8079	.9951
17	Ni2316	.5451	.0423	1.016	-.0001	.0582	.0377
18	2203/1	.5893	.0520	1.007	.0001	.0903	.1566
19	2203/2	.5976	.0554	1.019	-.0013	.0919	.1622
20	2068/1	.5237	.0018	1.019	.0028	.0008	.0033
21	2068/2	.5324	-.0005	1.033	-.0005	.0003	-.0020
22	1960/1	2.088	-.0025	1.026	-.0001	-.0053	-.0068
23	1960/2	2.118	-.0097	1.043	.0013	-.0097	-.0049
24	Ti1908	2.083	-.0004	1.034	-.0005	-.0010	-.0025
25	V_2924	.5886	.1015	1.020	.0000	.1075	.0639
26	Zn2138	.6597	.1720	1.015	.0002	.1978	.1694
27	PB2203	.5936	.0531	1.010	-.0004	.0894	.1585
28	SE1960	2.097	-.0049	1.032	-.0001	-.0068	-.0062
29	SB2068	.5295	.0002	1.028	-.0004	.0010	-.0003

#	Element	4606-05	4606-06	4606-07	4607-01	4607-02	4607-03
1	Ag3280	-.0006	-.0009	.1585	.0026	-.0000	-.0009
2	Al3082	52.38	83.36	96.35	99.15	91.74	122.3
3	As1890	.0131	.0169	3.268	.0160	.0165	.0202
4	Ba4934	1.066	1.147	1.697	1.026	1.041	1.120
5	Be3130	.0025	.0035	.0047	.0373	.0120	.0057
6	Ca3179	10.20	10.44	19.21	13.10	10.94	11.51
7	Cd2265	-.0002	-.0001	.1024	.0004	.0003	-.0000
8	Co2286	.0104	.0298	.0447	.0368	.0350	.0388
9	Cr2677	.0331	.0588	.0921	.0583	.0533	.0607
10	Cu3247	.0204	.0326	14.61	.1227	.0595	.0436
11	Fe2714	40.19	65.21	<u>H126.6</u>	66.75	65.94	74.33
12	K_7664	9.185	14.65	32.81	16.55	15.04	16.14
13	Mg2795	9.138	<u>H13.36</u>	<u>H19.95</u>	<u>H11.78</u>	<u>H11.67</u>	<u>H13.05</u>
14	Mn2576	.9972	1.546	<u>H33.79</u>	2.338	2.109	2.220
15	Mo2020	.0015	.0032	.0928	.0021	.0020	.0014
16	Na5889	1.021	1.002	3.669	.8339	.7651	.8764
17	Ni2316	.0292	.0450	.0589	.0498	.0466	.0515
18	2203/1	.0216	.0455	26.31	.1275	.1080	.0731
19	2203/2	.0218	.0492	26.74	.1312	.1129	.0789
20	2068/1	.0015	.0040	.0339	.0028	.0028	.0019
21	2068/2	-.0015	-.0024	.0411	-.0026	-.0009	-.0011
22	1960/1	-.0031	-.0039	.0013	-.0050	-.0033	-.0041
23	1960/2	-.0090	-.0100	-.0103	-.0098	-.0094	-.0107
24	Ti1908	-.0021	-.0017	-.0087	-.0050	-.0043	-.0063
25	V_2924	.0540	.1106	.2324	.1208	.1188	.1328
26	Zn2138	.1239	.1592	<u>H19.89</u>	.1834	.1593	.1758
27	PB2203	.0227	.0467	26.46	.1257	.1096	.0750
28	SE1960	-.0051	-.0060	-.0026	-.0066	-.0053	-.0063
29	SB2068	-.0010	-.0003	.0387	-.0008	.0003	-.0001

#	Element	CCV2	CCB2	4607-04	4607-05	4607-06	CRI
1	Ag3280	1.028	-.0006	-.0006	.0016	.0094	.0196
2	Al3082	1.072	.0420	92.82	86.25	93.19	.0846
3	As1890	1.046	.0013	.0153	.0156	.0179	.0227
4	Ba4934	1.045	.0001	1.071	.9447	1.027	.0000
5	Be3130	1.025	8 -.0005	.0053	.0273	.1273	.0098
6	Ca3179	<i>T.V.</i> <i>100</i> 10.05	-.0070	11.22	10.37	11.29	.0261
7	Cd2265	1.032	-.0001	.0002	.0003	.0005	.0102
8	Co2286	1.008	-.0003	.0374	.0320	.0356	.1008
9	Cr2677	1.021	-.0003	.0530	.0463	.0600	.0203
10	Cu3247	1.022	-.0007	.0436	.0964	.2963	.0520
11	Fe2714	1.017	-.0053	66.25	56.90	64.79	.0140
12	K_7664	10.55	.0060	14.69	14.51	15.96	.0043
13	Mg2795	10.22	-.0201	<u>H11.67</u>	<u>H10.70</u>	<u>H11.74</u>	.0271
14	Mn2576	1.002	.0000	2.417	1.943	2.219	.0305
15	Mo2020	1.026	-.0005	.0013	.0018	.0021	.0208
16	Na5889	10.53	.0001	.8502	.6660	.8051	-.0012
17	Ni2316	1.029	-.0001	.0490	.0448	.0546	.0829
18	2203/1	1.007	.0021	.0648	.4478	.7924	.0073
19	2203/2	1.027	-.0031	.0709	.4593	.8140	.0056
20	2068/1	1.021	.0015	.0027	.0033	.0017	.0989
21	2068/2	1.041	.0014	-.0017	-.0020	.0000	.0988
22	1960/1	1.026	.0004	-.0025	-.0037	-.0065	.0076
23	1960/2	1.053	-.0056	-.0100	-.0081	-.0079	.0093
24	Tl1908	1.044	-.0004	-.0022	-.0042	-.0060	.0164
25	V_2924	1.028	.0001	.1182	.0984	.1160	.1036
26	Zn2138	1.023	.0004	.1570	.1519	.1835	.0423
27	PB2203	1.013	.0003	.0668	.4511	.7966	.0052
28	SE1960	1.035	-.0016	-.0050	X -.0052	C -.0074	.0082
29	SB2068	1.035	.0014	-.0002	-.0002	.0001	.0989
#	Element	ICSA	ICSAB	CCV2	CCB2		
1	Ag3280	.0010	.9863	1.028	-.0007		
2	Al3082	101.0	102.2	1.077	8 .0492		
3	As1890	.0030	1.032	1.045	.0011		
4	Ba4934	.0002	.4901	1.045	.0000		
5	Be3130	-.0004	.4848	<i>T.V.</i> <i>100</i> 1.026	8 -.0004		
6	Ca3179	240.9	240.0	100 10.02	-.0117		
7	Cd2265	.0004	.9475	1.035	-.0001		
8	Co2286	.0004	.4703	1.006	-.0002		
9	Cr2677	.0004	.4739	1.024	-.0006		
10	Cu3247	.0013	.5138	1.014	-.0008		
11	Fe2714	89.92	89.75	1.020	-.0087		
12	K_7664	.0142	.0230	10.54	-.0056		
13	Mg2795	9.505	9.670	10.24	-.0109		
14	Mn2576	-.0015	.4642	1.005	.0000		
15	Mo2020	.0004	.9898	1.030	-.0007		
16	Na5889	.0033	1.362	10.51	-.0003		
17	Ni2316	.0020	.9562	1.030	-.0003		
18	2203/1	-.0031	.9663	1.006	.0014		
19	2203/2	.0001	.9899	1.030	-.0006		
20	2068/1	.0013	1.045	1.023	.0022		

#	Element	ICSA	ICSAB	CCV2	CCB2
21	2068/2	.0001	1.037	1.040	.0001
22	1960/1	-.0100	.9831	1.024	-.0031
23	1960/2	-.0094	1.008	1.055	-.0008
24	T11908	-.0053	1.010	1.053	.0008
25	V_2924	-.0020	.4765	1.027	-.0001
26	Zn2138	.0027	.9796	1.025	.0002
27	PB2203	-.0005	.9741	1.014	.0008
28	SE1960	-.0098	.9914	1.035	-.0024
29	SB2068	.0005	1.040	1.034	.0013

Method: CLPMO Sample Name: FE100 Operator:
 Run Time: 09/21/94 13:18 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: Cust. Smp1. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.1094	-.2774	-.0012	.0002	.0008	-.0003
SDev	.0005	.0004	.0007	0	0	.0034
%RSD	.4217	.1339	58.01	20.8	3.308	1194

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0068	-.0000	.0003	-.0006	90.80	-.0054
SDev	.0002	.0001	.0002	.0001	.332	.0037
%RSD	3.019	333.1	77.82	13.35	.3656	68.82

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2158	-.0027	.0015	-.0069	.0006	.0005
SDev	.0417	.0009	.0004	.0002	.0003	.0023
%RSD	19.32	35.59	26.29	2.608	47.55	466.4

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.0007	.0007	.0011	.0006	-.0025	.0051
SDev	.0013	.0017	.001	.0018	.0017	.0024
%RSD	199.3	258.1	89.07	308.3	66.93	47.79

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	.0007	.0015	-.0004	.0015
SDev	.0001	.0002	.002	.0013	.0018
%RSD	10.76	27.64	127.4	290.8	121.4

Method: CLPMO Sample Name: STD1-Blank Operator:
 Run Time: 09/21/94 13:40 Filename: J09214A
 Mode: IR Type: X Corr. Factor: 1.00000
 Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96151	1.26386	-.1839	-.00149	-8.5875	.28835
SDev	.00458	.00259	.09482	.00259	.0175	.00086
%RSD	.47636	.20546	51.5626	173.205	.20384	.30017
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17841	1.81759	-.00924	.01449	-.00049	.04297
SDev	.05623	.00708	.00868	.00229	.00458	.05241
%RSD	31.521	.38981	93.9748	15.802	917.028	121.96
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.02948	.02398	4.08046	.33383	-.34582	.23338
SDev	.00229	0	.02554	.00229	.04153	.021
%RSD	7.76707	0	.62605	.68601	12.011	9.00121
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.05347	.21339	.09095	-.81209	.86206	-.22413
SDev	.04051	.11209	.03373	.11913	.12711	.10149
%RSD	75.7701	52.5306	37.091	14.67	14.7457	45.2841
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm				
Avge	.01074	-.03973				
SDev	.00499	.00198				
%RSD	46.4534	4.99198				

Method: CLPMO Sample Name: STD3 Operator:
 Run Time: 09/21/94 13:46 Filename: J09214A
 Mode: IR Type: X Corr. Factor: 1.00000
 Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	32.2104	4.11994	53.1289	222.947	386.918	4.53273
SDev	.07228	.01227	.2304	.05806	.52918	.00605
%RSD	.2244	.29786	.43367	.02604	.13676	.13367

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	358.626	42.7241	22.2931	10.1629	.83014	49.3398
SDev	.92084	.02926	.03768	.01724	.00456	.02977
%RSD	.25676	.06849	.16903	.16969	.54955	.06034

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	2.16041	1.53323	98.3748	74.9995	137.845	89.5327
SDev	.02522	.00173	.06086	.07297	.3333	.10603
%RSD	1.16742	.1129	.06186	.0973	.24179	.11843

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	57.1394	72.4993	39.1594	40.1119	58.9006	27.9458
SDev	.33567	.12524	.12606	.21352	.20688	.03181
%RSD	.58746	.17275	.32192	.53232	.35123	.11384

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm			
Avge	33.976	44.4218			
SDev	.03556	.09316			
%RSD	.10467	.20971			

Method: CLPMO Sample Name: ICV Operator: LB
 Run Time: 09/21/94 13:52 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.009	1.014	1.064	1.001	1.027	Q100.7
SDev	.0043	.006	.0074	.0026	.0052	.4796
%RSD	.4283	.5882	.6959	.2559	.5096	.4764

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.004	1.002	1.022	1.007	1.005	9.932
SDev	.0069	.0048	.0051	.0021	.009	.0231
%RSD	.6887	.4832	.5027	.2078	.8987	.2321

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.835	.9864	1.031	10.08	1.000	1.004
SDev	.0429	.0046	.0055	.0337	.0062	.0072
%RSD	.4366	.4615	.5309	.334	.6223	.7213

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.9999	1.023	1.016	1.078	1.069	.9925
SDev	.0063	.0054	.0085	.0034	.0077	.0239
%RSD	.6287	.5239	.8375	.3134	.725	2.404

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.9511	1.014	1.001	1.075	1.018
SDev	.005	.0052	.0067	.0047	.0072
%RSD	.5234	.51	.6687	.4351	.7039

Method: CLPMO Sample Name: STD1-Blank Operator:
 Run Time: 09/21/94 14:00 Filename: J09214A
 Mode: IR Type: X Corr. Factor: 1.00000
 Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97201	1.28085	-.17441	.01199	-8.5497	.28685
SDev	.00173	.00481	.03677	.00749	.01509	.00312
%RSD	.1781	.37626	21.0835	62.5	.17651	1.08797
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.23688	1.82558	.00149	.01499	.01017	.03148
SDev	.01332	.00377	.00224	.00149	.00709	.04157
%RSD	5.62543	.20667	150	10	69.755	132.052
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.02948	.02398	4.14092	.35482	-.34657	.22638
SDev	.00229	0	.02735	.00346	.06861	.04888
%RSD	7.76707	0	.66069	.9758	19.7969	21.5918
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.10594	.11094	.16741	-.68515	.84207	-.17166
SDev	.03018	.11042	.06258	.05938	.13871	.02552
%RSD	28.4899	99.5332	37.3802	8.66753	16.4728	14.3664
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm				
Avge	.01099	-.03748				
SDev	.00676	.00449				
%RSD	61.4898	12				

Method: CLPMO Sample Name: STD3 Operator:
 Run Time: 09/21/94 14:06 Filename: J09214A
 Mode: IR Type: X Corr. Factor: 1.00000
 Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	32.3848	4.14442	53.4833	223.437	391.186	4.56571
SDev	.04057	.00086	.11067	.8512	.81772	.00692
%RSD	.12528	.02088	.20693	.38096	.20903	.15166

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	363.455	43.0575	22.5302	10.1494	.84284	49.4063
SDev	1.16427	.08659	.04102	.02977	.00664	.19339
%RSD	.32033	.20112	.18206	.29333	.78811	.39143

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	2.1904	1.54522	99.3803	75.1734	139.328	90.2509
SDev	.00793	.00312	.36438	.26959	.58679	.19858
%RSD	.36218	.20197	.36666	.35862	.42116	.22003

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	57.6442	72.8016	39.2284	40.2279	59.1574	28.1587
SDev	.23296	.20224	.24144	.07346	.31997	.22754
%RSD	.40414	.27779	.61547	.18261	.54088	.80806

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm			
Avge	34.2426	44.8543			
SDev	.0816	.09891			
%RSD	.23832	.22052			

Method: CLPMO Sample Name: ICV Operator: LB
 Run Time: 09/21/94 14:13 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.007	1.011	1.059	1.001	1.022	10.04
SDev	.0016	.0028	.0017	.0011	.0011	.004
%RSD	.1561	.2774	.1636	.112	.1064	.0399

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9971	.9991	1.018	1.006	.9914	9.919
SDev	.0012	.0013	.0019	.0028	.0047	.0281
%RSD	.1234	.1292	.1897	.2777	.4714	.2836

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.862	.9826	1.024	10.07	.9944	.9977
SDev	.0439	.0017	.0026	.0376	.0027	.0003
%RSD	.445	.1737	.2584	.3731	.2739	.0254

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.002	1.028	1.015	1.075	1.078	.9893
SDev	.0009	.0005	.0031	.0037	.0031	.0107
%RSD	.0898	.0526	.3079	.3426	.2852	1.087

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.9493	1.011	.9976	1.076	1.020
SDev	.0014	.0015	.0005	.0029	.0019
%RSD	.1445	.1495	.0456	.2696	.1877

Method: CLPMO Sample Name: ICB Operator: LB
 Run Time: 09/21/94 14:19 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0042	.0017	.0001	.0001	.0059
SDev	.0001	.0011	.0012	0	0	.0035
%RSD	158.3	25.98	73.42	34.58	17.35	59.73

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0001	-.0002	-.0004	-.0052	.0047
SDev	.0001	.0001	.0001	.0002	.0013	.006
%RSD	204.5	112.1	73.46	43.31	25.75	126.3

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0246	.0000	-.0004	.0014	-.0002	.0006
SDev	.0079	0	.0003	.0007	.0003	.0017
%RSD	31.96	39.88	70.46	49.87	150.5	270.1

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0005	.0018	.0018	-.0012	-.0030	.0034
SDev	.0015	.0027	.0013	.002	.0016	.003
%RSD	327.5	149.8	69.24	160.8	53.77	88.42

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0003	.0008	-.0018	.0018
SDev	.0001	.0001	.0005	.0018	.0017
%RSD	37.15	29.3	71.44	101.6	95.75

Method: CLPMO Sample Name: CRI Operator: LB
 Run Time: 09/21/94 14:26 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0195	.0370	.0216	.0000	.0101	.0378
SDev	.0002	.0011	.0009	0	0	.0054
%RSD	1.231	3.073	4.224	354.1	.2068	14.25

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	.1003	.0199	.0519	.0142	.0010
SDev	.0001	.0001	0	.0002	.005	.0051
%RSD	1.349	.0557	.0969	.4344	34.85	496.6

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0428	.0299	.0201	-.0006	.0811	.0055
SDev	.0077	.0006	.0005	.0002	.0001	.0015
%RSD	17.87	1.906	2.458	31.26	.1351	27.88

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0050	.0960	.0950	.0113	.0075	.0180
SDev	.0009	.0008	.0019	.0034	.0029	.0016
%RSD	17.05	.811	2.023	30.27	38.87	8.831

Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1014	.0410	0.0044	.0100	.0948
SDev	.0003	.0001	.0015	.0032	.0007
%RSD	.2813	.3643	33.89	32.1	.758

Method: CLPMO Sample Name: ICSA Operator: LB
 Run Time: 09/21/94 14:32 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	98.86	.0009	-.0002	.0001	244.5
SDev	.0002	.054	.0023	0	0	.061
%RSD	10.42	.0546	253.4	1.99	32.54	.0249
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0005	.0003	.0019	88.43	.0117
SDev	.0003	.0001	.0002	.0004	.0476	.0094
%RSD	40.25	25.83	64.56	22.81	.0539	80.67
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.566	-.0014	.0002	.0031	.0021	-.0021
SDev	.0893	0	.0005	.0001	.0003	.0007
%RSD	.9333	.1945	267.4	3.059	16.53	32.81
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0003	.0021	.0010	-.0116	-.0138	-.0033
SDev	.0005	.0012	.0003	.001	.001	.0025
%RSD	158.2	59.26	28.39	8.341	7.053	75.06
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0017	.0025	.0000	-.0123	.0013	
SDev	.0001	.0001	.0005	.001	.0005	
%RSD	6.191	4.37	52070	7.845	35.89	

Method: CLPMO Sample Name: ICSAB Operator: LB
 Run Time: 09/21/94 14:39 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9665	100.3	.9991	.4743	.4755	243.0
SDev	.0016	.1386	.0096	.0005	.0007	.3688
%RSD	.1631	.1382	.9579	.095	.1435	.1518

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9212	.4695	.4660	.5101	88.22	.0179
SDev	.0021	.0005	.0008	.0005	.2027	.0052
%RSD	.2253	.1125	.1815	.0931	.2297	29.24

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.573	.4637	.9671	1.307	.9346	.9601
SDev	.0616	.001	.0022	.0039	.0017	.002
%RSD	.6432	.2101	.2224	.297	.1834	.2098

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.9651	1.024	1.006	.9579	.9650	.9716
SDev	.0036	.0032	.004	.0041	.0082	.0157
%RSD	.3736	.3164	.4016	.4228	.8541	1.619

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.4680	.9601	.9623	.9603	1.012
SDev	.0009	.0021	.0014	.0054	.0024
%RSD	.1869	.2144	.148	.5635	.2368

Method: CLPM0 Sample Name: PBS0913A Operator: LB
 Run Time: 09/21/94 14:45 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0247	.0005	.0004	-.0003	.0985
SDev	0	.004	.0023	0	.0001	.0107
%RSD	6.694	16.19	502.8	7.205	51.26	10.88
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0008	-.0001	.0031	.0078	-.0012
SDev	.0001	.0001	.0001	.0003	.0048	.0248
%RSD	85.19	15.09	53.93	10.08	61.55	2041
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0048	.0000	-.0008	.1017	-.0002	-.0010
SDev	.0272	0	.0003	.0002	.0003	.0009
%RSD	562.5	54.48	32.02	.2014	123.3	85.76
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0012	.0016	-.0020	.0000	-.0024	.0030
SDev	.0022	.0007	.0008	.005	.0014	.0007
%RSD	187.9	42.16	38.62	10760	59.29	24.89
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0000	.0017	-.0003	-.0008	-.0008	
SDev	.0002	0	.0002	.0038	.0007	
%RSD	1529	1.689	73.75	483.8	91.41	

Method: CLPM0 Sample Name: LCSS0913A Operator: LB
 Run Time: 09/21/94 14:51 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4668	46.57	.8702	.7013	.2850	26.16
SDev	.002	.1196	.0062	.0023	.0015	.148
%RSD	.4374	.2568	.7136	.3318	.5389	.5656

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6941	2.004	.4915	.9004	75.05	H45.37
SDev	.0047	.0104	.002	.002	.3882	.1039
%RSD	.679	.5197	.4159	.2235	.5172	.229

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	21.38	1.528	1.137	4.562	1.263	.5967
SDev	.1297	.008	.0062	.0038	.0077	.0042
%RSD	.6066	.5237	.5427	.0829	.6063	.7007

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.5934	.7812	.7696	.8672	.8582	.7437
SDev	.0037	.0056	.0027	.0057	.0034	.0079
%RSD	.6285	.7132	.3533	.6628	.3983	1.062

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.9062	.9141	.5956	.8642	.7740
SDev	.0046	.0048	.0015	.0044	.001
%RSD	.5136	.5305	.26	.5043	.1256

Method: CLPMO Sample Name: 4605-01L Operator: LB
 Run Time: 09/21/94 14:58 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	6.234	.0028	.2400	.0004	2.313
SDev	.0002	.0334	.0021	.0012	0	.014
%RSD	50.54	.5363	73.88	.4893	4.177	.6054

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0041	.0063	.0481	7.764	1.100
SDev	.0001	.0003	.0003	.0001	.0447	.0186
%RSD	64.9	6.209	4.276	.1761	.5753	1.691

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	1.846	.3393	.0002	.0952	.0063	.0099
SDev	.0262	.0015	.0001	.0004	.0003	.0007
%RSD	1.416	.443	59.29	.4342	4.533	6.945

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0101	.0014	-.0007	.0003	-.0022	.0027
SDev	.0007	.001	.0004	.0038	.0034	.0039
%RSD	6.608	68.28	61.32	1295	156.4	143.4

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0177	.0304	.0115	-.0005	.0000
SDev	0	.0002	.0007	.0036	.0002
%RSD	.174	.6126	5.866	676.2	9277

Method: CLPMO Sample Name: 4605-01 Operator: LB
 Run Time: 09/21/94 15:04 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	31.51	.0066	1.181	.0021	11.33
SDev	.0001	.0776	.0018	.0022	.0001	.0455
%RSD	6.276	.2462	28.09	.1886	3.848	.4015
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0203	.0322	.2429	37.97	6.846
SDev	.0002	.0003	.0002	.0006	.1398	.0391
%RSD	14.47	1.351	.6257	.2666	.368	.5714
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	8.309	1.662	.0010	.5585	.0325	.0509
SDev	.0843	.0069	.0004	.0016	.0006	.0004
%RSD	1.014	.4161	37.3	.2887	1.735	.8704
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0499	.0018	-.0018	-.0012	-.0048	-.0023
SDev	.0024	.0012	.0028	.0041	.0025	.001
%RSD	4.84	66.28	158.7	350.2	52.36	42.92
Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0872	.1502	.0506	-.0024	-.0006	
SDev	.0006	.0008	.0006	.0028	.0015	
%RSD	.6489	.5296	1.179	119	263.7	

Method: CLPMO Sample Name: 4605-01R Operator: LB
 Run Time: 09/21/94 15:11 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	36.55	.0063	1.338	.0020	11.77
SDev	.0001	.1441	.0005	.005	0	.058
%RSD	12.7	.3943	7.368	.3713	1.477	.4934
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0213	.0327	.2415	40.27	7.258
SDev	.0001	.0004	.0003	.001	.1849	.0486
%RSD	8.204	2.088	.9824	.402	.4593	.6699
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.026	1.755	.0012	.6926	.0322	.0480
SDev	.0618	.008	.0006	.0024	.0007	.0021
%RSD	.6844	.457	50.12	.3437	2.064	4.386
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0467	.0013	-.0030	-.0056	-.0061	-.0048
SDev	.0012	.0014	.0007	.003	.0015	.0009
%RSD	2.532	103.6	22.6	54.14	24.1	19.25
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0928	.1489	.0466	L-.0057	-.0015	
SDev	.0005	.0006	.0026	.002	.0007	
%RSD	.5451	.3956	5.492	35.6	42.65	

Method: CLPMO Sample Name: 4605-01S Operator: LB
 Run Time: 09/21/94 15:17 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0535	56.67	.0473	3.361	.0521	13.45
SDev	.0002	.2349	.0023	.0145	.0001	.0206
%RSD	.418	.4146	4.776	.4299	.2417	.1533

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.5349	.2473	1.193	47.81	9.696
SDev	.0001	.001	.0007	.0053	.088	.0506
%RSD	4.891	.1928	.2749	.4478	.184	.5214

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H11.03	2.293	.9944	1.190	.5592	.0700
SDev	.1713	.0035	.0019	.0059	.0014	.0004
%RSD	1.553	.1548	.19	.4981	.2558	.5285

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0667	.0483	.0541	.0082	.0024	.0429
SDev	.001	.0008	.0033	.0026	.0029	.0026
%RSD	1.443	1.588	6.016	31.39	121.8	6.049

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.6260	.6817	.0704	.0068	.0522
SDev	.0023	.0008	.0003	.0007	.002
%RSD	.3629	.1126	.4269	10.34	3.821

Method: CLPMO Sample Name: 4605-01A Operator: LB
 Run Time: 09/21/94 15:23 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0544	33.27	2.099	3.195	.0511	11.15
SDev	0	.1106	.0104	.014	.0001	.0305
%RSD	.0911	.3323	.4946	.4395	.2458	.2737

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0530	.5320	.2378	.5026	38.40	6.794
SDev	.0002	.0021	.0012	.0022	.0941	.0545
%RSD	.4306	.3952	.5182	.4346	.2449	.8016

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	8.201	2.137	1.001	.5558	.5491	.5656
SDev	.1172	.0049	.0046	.0033	.002	.0033
%RSD	1.429	.2272	.4649	.5927	.3577	.5753

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.5621	.5192	.5277	2.068	2.068	2.071
SDev	.0019	.0027	.0029	.0036	.0087	.0168
%RSD	.3379	.5178	.5581	.1755	.4189	.8096

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.6021	.6617	.5669	2.068	.5249
SDev	.0027	.0024	.001	.0005	.0011
%RSD	.4402	.3698	.1818	.0228	.2099

Method: CLPMO Sample Name: CCV Operator: LB
 Run Time: 09/21/94 15:30 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.008	1.021	1.014	1.014	1.007	010.08
SDev	.0008	.0027	.0015	.0031	.0004	.0146
%RSD	.0809	.2677	.1476	.3066	.0386	.1453

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.007	1.006	1.006	1.010	1.026	10.17
SDev	.0002	.0011	.0006	.0025	.0009	.06
%RSD	.0219	.1062	.058	.2478	.8737	.5896

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.994	1.005	1.007	10.24	1.007	1.006
SDev	.0618	.0011	.0018	.0462	.0014	.0011
%RSD	.6184	.1133	.1747	.4512	.1391	.1119

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.005	1.010	1.012	1.010	1.012	1.016
SDev	.0042	.0015	.0026	.0002	.0043	.0002
%RSD	.4159	.1524	.2534	.0232	.4215	.0239

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.010	1.006	1.004	1.010	1.012
SDev	.001	.0005	.0007	.0023	.0021
%RSD	.1009	.0456	.0677	.2254	.2088

Method: CLPM0 Sample Name: CCB Operator: LB
 Run Time: 09/21/94 15:36 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0064	.0004	.0000	0-.0001	.0001
SDev	.0002	.001	.0023	0	.0001	.002
%RSD	43.33	15.04	582.1	265.1	41.42	3677

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0002	-.0004	-.0004	-.0083	-.0022
SDev	.0002	.0001	.0001	.0001	.0028	.0057
%RSD	92.63	58.95	18.73	21.66	33.22	264.2

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0267	.0010	-.0005	.0007	-.0004	-.0009
SDev	.0196	0	.0001	.0007	.0001	.0014
%RSD	73.23	.0187	31.59	107.9	35.07	164.6

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0011	.0005	-.0024	.0007	-.0025	-.0004
SDev	.0009	.0017	.0015	.0028	.0009	.0024
%RSD	80.57	360.7	61.34	392.9	37.05	614.3

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0002	-.0010	-.0004	-.0010
SDev	.0001	.0001	.0011	.0021	.0015
%RSD	63.36	38	117.4	590.5	151.6

Method: CLPMO Sample Name: 4605-02 Operator: LB
 Run Time: 09/21/94 15:43 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	134.1	.0232	2.847	.0065	43.42
SDev	.0001	.1592	.002	.0029	.0001	.145
%RSD	15.87	.1187	8.572	.1016	1.658	.3339

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0486	.0666	.0501	80.34	10.10
SDev	.0002	.0001	.0006	.0002	.1462	.0297
%RSD	48.9	.2948	.9083	.4466	.182	.294

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H14.44	2.562	.0020	6.767	.0577	.0805
SDev	.0943	.0075	.0003	.0101	.0005	.0013
%RSD	.6532	.2911	16.26	.1492	.8929	1.658

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0847	.0020	-.0024	-.0072	-.0109	-.0029
SDev	.0012	.0018	.0019	.0033	.0023	.0016
%RSD	1.361	90.93	77.46	45.12	21.5	57.23

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1394	.1500	.0809	L-.0084	-.0010
SDev	.0002	.0006	.0004	.0025	.001
%RSD	.1457	.3737	.5094	29.98	108.3

Method: CLPMO Sample Name: 4605-03 Operator: LB
 Run Time: 09/21/94 15:49 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	13.99	.0090	.5227	.1643	14.62
SDev	.0002	.0343	.0005	.0007	.0002	.0233
%RSD	1.896	.2453	5.879	.1399	.1334	.1594
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0103	.1014	2.579	23.22	2.021
SDev	.0001	0	.0003	.005	.0449	.0248
%RSD	7.319	.3796	.298	.1932	.1936	1.226
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.831	.4810	.0022	.4134	.0732	.8478
SDev	.0475	.0011	.0003	.0018	.0007	.0031
%RSD	.8154	.2362	14.64	.4306	.9364	.3626
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.8527	.0081	.0102	-.0023	-.0058	-.0032
SDev	.003	.0016	.0013	.0029	.0007	.0017
%RSD	.3537	19.59	12.28	122	12.15	53.41
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0418	.2904	.8464	-.0035	.0095	
SDev	.0002	.0006	.003	.0021	.0004	
%RSD	.5492	.2173	.3487	60.47	4.425	

Method: CLPMO Sample Name: 4605-04 Operator: LB
 Run Time: 09/21/94 15:55 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0137	83.08	.0192	1.245	.0104	14.15
SDev	.0001	.2086	.0013	.0022	.0001	.0105
%RSD	.6288	.2511	6.899	.1786	.5119	.074
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	.0416	.0718	.7010	69.37	11.57
SDev	.0001	.0001	.0003	.0023	.0794	.0324
%RSD	3.955	.2303	.4448	.327	.1145	.28
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H15.56	2.299	.0036	.8401	.0529	.1049
SDev	.0383	.003	.0004	.003	.0002	.0007
%RSD	.2464	.1308	10.67	.3611	.3323	.707
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1232	-.0007	.0001	-.0105	-.0060	-.0047
SDev	.0037	.0018	.0006	.002	.0025	.001
%RSD	3.04	278.7	579.6	19.35	41.83	20.61
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.1350	.2449	.1095	L-.0090	-.0001	
SDev	.0003	.0004	.0016	.0006	.0008	
%RSD	.2038	.1432	1.443	6.387	530.6	

Method: CLPM0 Sample Name: 4605-05 Operator: LB
 Run Time: 09/21/94 16:02 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0167	85.02	.0157	3.945	.0045	11.85
SDev	.0001	.1165	.0038	.008	.0001	.0053
%RSD	.7288	.137	24.31	.2034	1.781	.045

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	.0311	.0614	34.69	57.60	9.156
SDev	.0001	.0002	.0001	.0714	.0432	.0251
%RSD	2.594	.6335	.2362	.2058	.0751	.2737

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H12.49	1.867	.0039	.9347	.2754	.2734
SDev	.0744	0	.0003	.0034	.0008	.0005
%RSD	.5956	.0001	7.307	.3602	.2961	.1714

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.2799	-.0041	.0017	-.0048	-.0079	-.0043
SDev	.0029	.0031	.0007	.0032	.0029	.001
%RSD	1.028	75.74	39.62	67.79	36.96	23.4

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1098	1.486	.2761	L-.0058	-.0002
SDev	.0003	.001	.0019	.003	.001
%RSD	.2985	.0652	.7011	50.62	413.6

Method: CLPMO Sample Name: 4605-06 Operator: LB
 Run Time: 09/21/94 16:08 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	88.23	.0159	.6616	.0064	14.14
SDev	.0001	.0168	.0023	.0007	.0001	.0227
%RSD	125.6	.0191	14.67	.1111	1.866	.1608

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0230	.0563	.0318	53.47	11.44
SDev	.0004	.0002	.0003	.0013	.0826	.0186
%RSD	193.9	.8766	.5356	4.057	.1545	.1629

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H14.31	1.461	.0045	5.672	.0508	.0350
SDev	.0803	.0023	.0004	.003	.0004	.0007
%RSD	.5612	.1555	8.986	.0523	.7293	1.863

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0379	.0012	-.0018	-.0047	-.0082	-.0022
SDev	.0018	.0014	.002	.0022	.0045	.0013
%RSD	4.838	114.1	113.6	46.81	55.33	58.56

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0851	.1367	.0335	L-.0058	-.0008
SDev	.0001	.0005	.0011	.0028	.0015
%RSD	.1642	.3353	3.382	48.12	196.4

Method: CLPMO Sample Name: 4605-07 Operator: LB
 Run Time: 09/21/94 16:15 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	80.20	.0196	1.142	.0040	11.32
SDev	.0001	.113	.0023	.0016	.0001	.0333
%RSD	9.281	.1409	11.92	.1413	1.869	.2942

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0343	.0562	.0352	73.78	8.529
SDev	.0002	.0003	.0001	.0002	.1235	.0109
%RSD	39.92	.7674	.2803	.6386	.1674	.1283

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H11.78	1.903	.0021	.9835	.0435	.0582
SDev	.1051	.002	.0004	.0003	.0006	.0014
%RSD	.892	.1076	17.06	.0296	1.356	2.464

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0619	.0028	-.0002	-.0046	-.0075	-.0037
SDev	.0013	.0036	.0017	.0027	.005	.0032
%RSD	2.107	129.4	827.5	59.35	65.91	86.26

Elms	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1326	.1447	.0580	L-.0056	.0008
SDev	.0003	.0004	.0005	.0022	.0005
%RSD	.2061	.2575	.9201	39.26	62.58

Method: CLPMO Sample Name: 4605-08 Operator: LB
 Run Time: 09/21/94 16:21 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	67.30	.0145	1.073	.0039	14.45
SDev	.0001	.1558	.0013	.0023	.0001	.0474
%RSD	169	.2315	8.853	.2167	2.183	.3283

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0112	.0246	.0461	.2051	58.42	14.27
SDev	.0001	.0002	.0004	.0005	.134	.0291
%RSD	1.131	.6617	.8117	.22	.2294	.2037

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H11.75	1.564	.0015	.6867	.0412	.4331
SDev	.0996	.002	.0001	.0007	.0005	.0007
%RSD	.8481	.1307	6.737	.1087	1.158	.1511

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.4357	.0025	.0005	-.0001	-.0072	-.0039
SDev	.0031	.0007	.002	.0035	.0016	.0019
%RSD	.7185	29.46	399.4	2568	22.14	49.52

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1110	.2100	.4340	-.0025	.0012
SDev	.0001	.0002	.0011	.0019	.0015
%RSD	.1137	.1106	.2461	75.35	129.4

Analysis Report

Averages

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Method: CLPMO
Run Time: 09/21/94 16:27
Mode: CONC
Lab ID.: S3

Sample Name: 4605-09
Type: S
Cust. Smpl. ID.:

Operator: LB
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0256	61.42	.0171	.8101	.0058	9.225
SDev	.0007	.088	.0004	.0019	.0001	.1629
%RSD	2.785	.1433	2.289	.2291	2.415	1.765

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.0378	.0535	.1946	61.98	11.14
SDev	.0001	.0013	.0007	.001	.9363	.1206
%RSD	3.427	3.33	1.387	.5352	1.511	1.083

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.958	2.533	.0032	.4917	.0412	.0968
SDev	.4437	.0375	.0016	.0004	.0007	.0053
%RSD	4.456	1.48	50.42	.0837	1.628	5.512

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1075	.0070	-.0009	-.0144	-.0025	-.0048
SDev	.0058	.0058	.0028	.0116	.0052	.0038
%RSD	5.387	82.52	299.1	81.03	209.6	78.6

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1322	.1931	.0988	L-.0104	.0022
SDev	.0018	.0017	.0016	.0062	.0011
%RSD	1.38	.8808	1.651	59.62	48.87

Method: CLPMO Sample Name: 4605-10 Operator: LB
 Run Time: 09/21/94 16:34 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	17.43	.0116	.2778	.0012	7.250
SDev	.0002	.0566	.0008	.0006	.0001	.0264
%RSD	115.8	.3246	7.225	.2208	4.245	.3636
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0070	.0112	.0404	26.45	3.451
SDev	.0002	.0001	.0001	.0003	.0996	.0134
%RSD	8.334	.9594	1.407	.6383	.3764	.3894
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.591	1.171	.0012	.4297	.0115	.0478
SDev	.0589	.0035	.0001	.0026	.0002	.0005
%RSD	1.641	.3031	6.905	.603	1.79	1.127
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0458	.0013	-.0005	.0002	-.0034	-.0012
SDev	.0013	.0012	.0014	.0011	.0027	.0004
%RSD	2.772	89.53	272.3	569.4	79.31	32.41
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0280	.1433	.0462	-.0005	.0006	
SDev	.0001	.0005	.0008	.001	.0014	
%RSD	.4283	.3347	1.682	198	245	

Method: CLPMO Sample Name: CCV Operator: LB
 Run Time: 09/21/94 16:40 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.004	1.016	1.006	1.008	.9998	99.970
SDev	.0017	.0014	.0036	.0012	.0011	.03
%RSD	.1714	.1395	.3564	.1145	.1121	.3004
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9971	.9965	.9959	1.010	1.014	10.14
SDev	.0011	.0017	.0019	.0008	.0043	.0236
%RSD	.109	.1658	.1876	.0751	.4203	.2329
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.997	.9934	.9980	10.21	.9989	.9968
SDev	.0321	.001	.0011	.0167	.0014	.0017
%RSD	.3214	.0992	.1135	.1632	.1376	.1699
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.9995	1.006	1.008	1.008	1.014	1.007
SDev	.0032	.0037	.0041	.0047	.0093	.0083
%RSD	.3171	.363	.4072	.4693	.9198	.821
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	1.002	1.000	.9962	1.010	1.008	
SDev	.0007	.001	.0021	.0053	.0033	
%RSD	.0657	.0952	.2109	.5245	.3307	

Method: CLPMO
Run Time: 09/21/94 16:47
Mode: CONC
Lab ID.: S3

Sample Name: CCB
Type: Q
Cust. Smpl. ID.:

Filename: J09214A
Corr. Factor:

Operator: LB
1.00000
Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0062	.0021	.0001	0-.0001	-.0070
SDev	.0001	.0021	.0015	0	0	.002
%RSD	9.135	33.38	72.27	27.85	24.24	28.68

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0007	-.0003	-.0003	-.0071	-.0052
SDev	.0003	.0001	.0004	.0001	.0069	.0071
%RSD	604.2	13.41	106.2	50.18	97.79	137.2

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0042	.0013	-.0010	.0009	.0000	.0010
SDev	.0101	.0006	.0003	.0007	.0003	.0018
%RSD	239	43.28	33.26	75.06	928.3	175.3

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0015	.0008	-.0001	-.0018	-.0008	-.0018
SDev	.0005	.0019	.0012	.0017	.0025	.003
%RSD	35.82	231	1646	94.26	307.5	165.6

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0003	.0002	-.0015	.0002
SDev	.0001	.0001	.0012	.001	.0008
%RSD	359.5	47.82	651.2	65.62	378.9

Method: CLPMO Sample Name: 4605-11 Operator: LB
 Run Time: 09/21/94 16:53 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	90.21	.0158	.9704	.0046	14.81
SDev	.0002	.1395	.0007	.0011	0	.0259
%RSD	64.54	.1546	4.592	.1096	.9832	.1748
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0271	.0424	.0349	52.78	12.90
SDev	.0002	.0001	.0001	.0002	.0687	.0271
%RSD	56.79	.5381	.2753	.6418	.1301	.2098
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H10.89	1.434	.0006	.7900	.0409	.0507
SDev	.0143	.0028	.0003	.0011	.0003	.0014
%RSD	.131	.1982	50.63	.1393	.7609	2.769
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0547	.0017	-.0008	-.0020	-.0099	-.0025
SDev	.0016	.0026	.0026	.0015	.0022	.0022
%RSD	2.844	147.5	324.2	75.99	22.47	86.77
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0949	.1208	.0525	L-.0051	-.0005	
SDev	.0002	.0002	.0011	.0012	.0016	
%RSD	.236	.14	2.172	24.31	350.7	

Analysis Report

Averages

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Method: CLPMO
Run Time: 09/21/94 16:59
Mode: CONC
Lab ID.: S3

Sample Name: 4605-12
Type: S
Cust. Smpl. ID.:

Operator: LB
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	33.70	.0137	.4981	.0025	6.559
SDev	.0001	.0099	.0026	.0001	.0001	.0174
%RSD	181.1	.0295	18.96	.0303	5.256	.2647
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0166	.0235	.0720	37.98	6.192
SDev	.0002	.0001	.0002	.0003	.0224	.0198
%RSD	21.97	.6679	.7358	.4738	.0591	.3191
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.870	1.443	.0016	.4722	.0216	.0780
SDev	.0498	.0006	.0004	.0014	.0005	.0021
%RSD	.8476	.0395	26.6	.3014	2.495	2.63
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0760	.0022	-.0003	-.0038	-.0051	-.0044
SDev	.0023	.0005	.0019	.0031	.0037	.003
%RSD	3.061	23.26	620	80.72	73.33	69.12
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0540	.1556	.0769	-.0042	.0005	
SDev	.0001	.0001	.0016	.0032	.0014	
%RSD	.1861	.0495	2.103	74.87	262.6	

Method: CLPMO Sample Name: 4605-13 Operator: LB
 Run Time: 09/21/94 17:06 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	26.33	.0127	.2382	.0036	5.171
SDev	.0002	.0362	.0003	.0003	.0001	.0245
%RSD	247.9	.1376	2.199	.1341	1.8	.4745
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0066	.0176	.0648	29.12	3.369
SDev	.0001	.0001	.0002	.0004	.0761	.0167
%RSD	30.59	1.907	1.182	.573	.2614	.4966
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.724	.8365	.0021	.5497	.0239	.0624
SDev	.0259	.0025	.0003	.0003	.0003	.0011
%RSD	.5481	.2961	15.82	.0634	1.233	1.738
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0613	.0049	.0001	-.0005	-.0063	-.0046
SDev	.002	.0011	.0022	.0023	.0023	.0022
%RSD	3.228	22.48	2167	429.8	37.01	48.41
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0341	.1340	.0635	-.0030	.0017	
SDev	.0001	.0006	.0003	.0018	.0011	
%RSD	.1846	.4108	.5189	60.06	65.61	

Method: CLPMO Sample Name: 4605-14 Operator: LB
 Run Time: 09/21/94 17:12 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0094	21.32	.0317	.3951	.0772	8.462
SDev	0	.0409	.0027	.0009	.0002	.0395
%RSD	.2326	.1917	8.545	.2328	.2085	.4663
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.0108	.0512	18.53	24.80	3.369
SDev	.0002	.0003	.0004	.0173	.1232	.022
%RSD	8.667	2.584	.794	.0933	.4966	.6518
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	5.125	.6478	.0030	.4514	.0456	5.941
SDev	.0088	.0023	.0001	.0008	0	.0279
%RSD	.1709	.3503	2.943	.18	.1006	.4694
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	5.955	.0513	.0511	-.0037	-.0043	-.0022
SDev	.0124	.0011	.0013	.0032	.0013	.0021
%RSD	.2084	2.063	2.512	87.51	29.96	95.58
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0423	.3464	5.945	-.0029	.0517	
SDev	.0003	.0013	.0192	.0032	.0001	
%RSD	.7622	.3651	.3226	112.3	.2485	

Method: CLPMO
Run Time: 09/21/94 17:18
Mode: CONC
Lab ID.: S3

Sample Name: 4605-15
Type: S
Cust. Smpl. ID.:
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Operator: LB

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0068	21.52	.0109	.5109	.0466	8.518
SDev	.0001	.0563	.0017	.0012	.0002	.0358
%RSD	1.08	.2616	15.23	.2315	.533	.4205
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0074	.0426	4.723	24.90	3.454
SDev	.0001	.0001	.0003	.0087	.0799	.015
%RSD	4.218	1.445	.6251	.1846	.321	.4346
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.325	.7007	.0022	.4565	.0373	.3588
SDev	.0285	.0015	.0003	.0011	.0007	.0014
%RSD	.5349	.2142	13.68	.2396	1.995	.3982
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3596	.0162	.0178	-.0047	-.0054	-.0038
SDev	.0018	.0027	.0004	.0006	.0023	.0022
%RSD	.498	16.65	2.511	12.9	43.06	56.61
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0346	.3322	.3591	-.0049	.0172	
SDev	.0004	.0008	.0004	.0012	.0007	
%RSD	1.186	.2468	.1094	23.72	4.18	

Method: CLPMO Sample Name: 4605-16 Operator: LB
 Run Time: 09/21/94 17:25 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	93.62	.0149	1.212	.0053	11.83
SDev	.0001	.2173	.0006	.0026	.0001	.0416
%RSD	60.75	.2321	4.1	.2122	1.093	.3517

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0375	.0554	.0410	66.07	15.13
SDev	.0001	.0003	.0005	.0006	.1824	.0397
%RSD	17.08	.8528	.8672	1.37	.276	.2623

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H11.91	2.348	.0019	.7101	.0497	.0623
SDev	.1106	.0073	.0006	.0015	.0001	.0014
%RSD	.9288	.3091	30.34	.2127	.3055	2.263

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0641	.0011	-.0022	-.0021	-.0096	-.0048
SDev	.001	.0018	.0016	.0021	.0023	.0025
%RSD	1.521	158.2	74.44	101.2	24.08	51.6

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1212	.1664	.0634	-.0046	-.0011
SDev	.0003	.0007	.0014	.0019	.0014
%RSD	.2601	.4282	2.259	42.4	131.7

Method: CLPMO Sample Name: 4605-17 Operator: LB
 Run Time: 09/21/94 17:31 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	78.15	.0159	1.076	.0042	13.15
SDev	.0003	.0985	.001	.0015	.0001	.0278
%RSD	405.2	.126	6.375	.1427	3.084	.2114
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0300	.0488	.2283	59.21	13.05
SDev	.0002	.0001	.0003	.0008	.0377	.0353
%RSD	15.78	.2989	.5939	.343	.0637	.2702
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H11.08	1.700	.0014	.6279	.0422	.2303
SDev	.0601	.0015	.0005	.0007	.0004	.0011
%RSD	.5428	.0885	32.9	.114	.9202	.4952
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.2295	.0010	-.0023	-.0052	-.0086	-.0029
SDev	.0015	.0008	.0014	.0018	.0008	.0005
%RSD	.6579	82.42	62.94	33.64	8.881	16.36
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.1155	.1708	.2300	L-.0064	-.0012	
SDev	.0003	.0001	.0004	.001	.001	
%RSD	.2314	.0904	.1853	16.3	86.76	

Method: CLPMO Sample Name: 4605-18 Operator: LB
 Run Time: 09/21/94 17:38 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	97.03	.0206	1.680	.0056	24.37
SDev	.0002	.0246	.0024	.0011	.0001	.0194
%RSD	606.4	.0254	11.72	.0654	1.203	.0798

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0238	.0585	.0489	69.05	20.12
SDev	.0001	.0002	.0003	.0003	.0765	.0264
%RSD	17.21	.856	.5129	.6966	.1107	.1311

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H15.68	1.084	.0016	6.378	.0517	.0447
SDev	.0714	.001	.0002	.0132	.0001	.0004
%RSD	.4553	.0906	10.68	.2068	.2132	.8604

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0502	.0020	-.0019	-.0054	-.0113	-.0053
SDev	.0006	.0005	.0004	.0033	.004	.0021
%RSD	1.261	27.06	22.73	60.13	35.17	38.8

Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1026	.1843	.0435	L-.0074	-.0006
SDev	.0003	.0002	0	.0018	.0001
%RSD	.3204	.1093	.1082	24.48	18.53

Method: CLPMO
Run Time: 09/21/94 17:44
Mode: CONC
Lab ID.: S3

Sample Name: CCV
Type: G
Cust. Smpl. ID.:

Filename: J09214A
Corr. Factor:

Operator: LB

1.00000

Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.003	1.021	1.009	1.010	.9976	99.958
SDev	.0018	.0055	.0018	.0037	.0029	.0386
%RSD	.1772	.5347	.1827	.3711	.2944	.3875

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9914	.9944	.9919	1.013	1.016	10.17
SDev	.0044	.0025	.0032	.0027	.0039	.0243
%RSD	.4462	.2551	.3274	.2634	.3884	.2385

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.864	.9901	.9950	10.24	.9939	.9975
SDev	.0309	.003	.0032	.02	.0036	.0017
%RSD	.3134	.3041	.3193	.1951	.3626	.1702

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.9976	1.001	1.009	1.010	1.007	.9967
SDev	.0028	.0021	.0016	.0074	.0026	.001
%RSD	.2829	.2123	.157	.7372	.2535	.1022

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.9995	.9960	.9961	1.010	1.007
SDev	.0024	.0026	.0023	.0051	.0004
%RSD	.2443	.2645	.2271	.5042	.0446

Method: CLPMO Sample Name: CCB Operator: LB
 Run Time: 09/21/94 17:50 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0047	.0006	.0001	Q-.0002	-.0035
SDev	.0002	.0009	.001	0	.0001	.0054
%RSD	28.79	19.93	174	30.65	31.89	154

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0006	-.0004	-.0003	-.0054	-.0051
SDev	.0001	.0002	.0002	.0001	.0042	.0111
%RSD	63.54	37.47	46.26	24.79	77.2	218.5

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0088	.0010	-.0008	.0011	-.0002	-.0006
SDev	.0135	0	.0005	.0009	.0002	.0001
%RSD	154	.026	58.07	79.74	89.34	28.96

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0004	.0002	-.0015	-.0011	-.0024	-.0011
SDev	.0011	.0013	.0009	.0001	.001	.0031
%RSD	239	587.9	57.8	12.14	41.72	286.9

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0001	-.0005	-.0020	-.0014
SDev	.0001	0	.0003	.0008	.0011
%RSD	335.3	34.45	67.42	37.09	77.08

Method: CLPM0 Sample Name: PBS0913B Operator: LB
 Run Time: 09/21/94 17:57 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	.0135	.0004	.0002	-.0006	-.0011
SDev	.0001	.001	.0017	0	.0001	.0035
%RSD	11.86	7.114	392.6	20.76	13.66	310.7

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0015	-.0004	.0046	-.0081	.0012
SDev	.0001	.0002	.0001	.0001	.0024	.0122
%RSD	36.2	12.48	32.77	1.842	29.25	1030

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0245	.0000	-.0014	.1042	-.0001	-.0004
SDev	.0196	0	.0004	.0001	.0004	.0015
%RSD	80.15	36.39	31.02	.1068	409.8	350.7

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0003	.0007	-.0012	-.0007	-.0028	-.0019
SDev	.0008	.0022	.0029	.0011	.003	.003
%RSD	289.9	312.7	254.5	149.1	105.9	154.8

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0015	-.0004	-.0014	-.0005
SDev	.0001	.0001	.0008	.0008	.0019
%RSD	50.41	6.261	207.4	53.22	363.4

Method: CLPMO Sample Name: LCSS0913B Operator: LB
 Run Time: 09/21/94 18:03 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4741	46.89	.8977	.7145	.2902	26.53
SDev	.0004	.1207	.0009	.0012	.0002	.0357
%RSD	.0804	.2573	.1035	.1631	.0785	.1344

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7010	2.026	.4863	.9162	69.94	H46.05
SDev	.0003	.0016	.0003	.0015	.0469	.1945
%RSD	.0455	.079	.0684	.1616	.0671	.4224

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	21.48	1.552	1.127	4.703	1.279	.6049
SDev	.1396	.0011	.0014	.0226	.0006	.0013
%RSD	.6498	.0733	.1198	.4797	.0443	.2214

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.6089	.6111	.5975	.9025	.9022	.7484
SDev	.0024	.0045	.0003	.006	.0027	.0121
%RSD	.392	.7314	.0481	.6662	.2958	1.622

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.9101	.9157	.6062	.9024	.6020
SDev	.0007	.001	.0014	.0033	.0013
%RSD	.0716	.1138	.229	.3677	.2238

Method: CLPMO Sample Name: 4605-19 Operator: LB
 Run Time: 09/21/94 18:10 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	72.82	.0174	.8561	.0041	9.024
SDev	.0002	.0905	.0018	.0014	.0002	.039
%RSD	35.87	.1243	10.26	.1587	4.974	.4324
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0399	.0541	.0771	62.69	13.70
SDev	.0001	.0001	.0004	.0001	.1361	.0427
%RSD	7.179	.2796	.6861	.1875	.217	.3118
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H10.48	2.512	.0024	.5163	.0473	.0745
SDev	.0495	.0069	.0004	.0007	.0002	.0025
%RSD	.4724	.2744	16.42	.138	.5075	3.407
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0740	.0019	-.0019	-.0018	-.0073	-.0008
SDev	.0017	.0023	.0024	.0063	.0046	.0029
%RSD	2.231	120.6	125.9	348.1	63.48	365.6
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.1269	.1659	.0744	-.0036	-.0007	
SDev	.0002	.0002	.0018	.0048	.0011	
%RSD	.197	.1426	2.425	132.3	161	

Method: CLPMO
Run Time: 09/21/94 18:16
Mode: CONC
Lab ID.: S3

Sample Name: 4605-20
Type: S
Cust. Smpl. ID.:
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Operator: LB

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	60.18	.0178	.5890	.0035	13.36
SDev	.0002	.0826	.002	.0018	.0001	.0285
%RSD	595.5	.1471	11.36	.2997	3.113	.2131
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0233	.0394	.0418	52.13	12.27
SDev	.0001	.0002	.0001	.0005	.1105	.0257
%RSD	12.52	.9401	.194	1.141	.2119	.2091
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.236	1.662	.0027	.6456	.0324	.1130
SDev	.0652	.0035	.0001	.0019	.0004	.0005
%RSD	.7062	.2135	2.447	.287	1.334	.4321
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1140	.0018	-.0020	.0003	-.0047	-.0051
SDev	.0021	.0013	.0006	.0015	.0025	.0043
%RSD	1.803	73.15	28.47	427	52.69	84.26
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0804	.1631	.1139	-.0013	-.0002	
SDev	.0005	.0003	.0012	.0004	.0005	
%RSD	.643	.2001	1.082	27.96	216.2	

Method: CLPMO Sample Name: 4605-21L Operator: LB
 Run Time: 09/21/94 18:23 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	5.240	.0051	.1046	.0025	1.552
SDev	.0001	.0068	.0014	0	.0001	.0054
%RSD	12.42	.1303	27.76	.0449	3.864	.346

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0018	.0060	.8297	6.004	.5308
SDev	.0002	.0003	.0001	.0018	.0166	.0029
%RSD	99.5	13.87	2.549	.2227	.2762	.5554

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	1.106	.1715	.0001	.1013	.0066	.3867
SDev	.0159	.0006	.0003	.0002	.0001	.0008
%RSD	1.435	.3315	201.5	.1975	2.119	.2068

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.3882	.0111	.0105	-.0013	.0003	.0006
SDev	.0027	.0005	.0018	.0039	.0037	.0014
%RSD	.6906	4.473	17.65	308.8	1415	228.2

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0080	.0743	.3887	-.0008	.0107
SDev	.0003	.0003	.0005	.0038	.0011
%RSD	3.119	.4204	.1382	500.8	9.98

Method: CLPMO Sample Name: 4605-21 Operator: LB
 Run Time: 09/21/94 18:29 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	26.35	.0144	.5159	.0139	7.637
SDev	.0001	.0225	.0008	.0012	.0001	.0126
%RSD	2.813	.0854	5.444	.229	.3893	.1653
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0084	.0311	4.135	29.54	3.233
SDev	.0001	.0001	.0002	.0092	.075	.0157
%RSD	6.998	1.522	.5347	.2234	.2538	.4848
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	5.227	.8408	.0028	.5785	.0335	1.923
SDev	.0271	.0011	.0006	.0012	.0003	.0022
%RSD	.5186	.1351	21.03	.203	1.003	.1149
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.928	.0492	.0461	-.0074	-.0055	-.0020
SDev	.0117	.0019	.0023	.0009	.0006	.0033
%RSD	.6049	3.902	5.028	12.78	11.21	164
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0403	.3665	1.925	L-.0068	.0471	
SDev	.0003	.0002	.0037	.0008	.0011	
%RSD	.6281	.0578	.1912	11.86	2.244	

Method: CLPMO Sample Name: 4605-21R Operator: LB
 Run Time: 09/21/94 18:35 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0593	25.23	.0143	.5718	.0146	7.879
SDev	.0003	.0359	.0035	.0009	.0001	.006
%RSD	.5079	.1422	24.85	.1554	.4979	.0764

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0110	.0099	.0294	5.791	31.99	3.143
SDev	.0001	.0001	.0001	.0122	.0506	.0295
%RSD	1.04	.8407	.4579	.2099	.158	.9398

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	5.042	.9773	.0025	.5504	.0318	2.681
SDev	.0665	.0023	.0002	.0019	.0003	.0147
%RSD	1.319	.2327	9.605	.3487	1.043	.5467

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	2.681	.0067	.0138	-.0003	-.0066	-.0034
SDev	.0199	.0017	.0001	.0029	.0016	.0002
%RSD	.7427	24.81	1.037	941.8	24.01	5.203

Elms	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0445	.2711	2.681	-.0024	.0114
SDev	.0001	.0011	.0107	.0021	.0005
%RSD	.1839	.3903	.3984	85.94	4.43

Method: CLPMO Sample Name: 4605-21S Operator: LB
 Run Time: 09/21/94 18:42 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0579	45.62	.0618	2.578	.0678	8.278
SDev	.0003	.1404	.003	.008	.0003	.0365
%RSD	.5831	.3077	4.874	.3102	.4649	.4415

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.5334	.2544	5.324	41.22	5.751
SDev	.0001	.0021	.0013	.0122	.1201	.0225
%RSD	8.837	.3914	.5278	.2287	.2914	.3916

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	6.893	1.319	1.027	.6850	.5747	4.054
SDev	.0677	.003	.0014	.0025	.001	.0035
%RSD	.9818	.2278	.1355	.3684	.1711	.0854

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	4.057	.0869	.0896	.0050	.0048	.0442
SDev	.0173	.0009	.0031	.0041	.0056	.0014
%RSD	.4267	1.079	3.456	81.57	115.5	3.167

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.5817	.8087	4.057	.0049	.0887
SDev	.0012	.0014	.0079	.0041	.0018
%RSD	.2085	.1751	.1956	82.46	1.976

Method: CLPMO Sample Name: CCV1 Operator: LB
 Run Time: 09/21/94 18:48 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.018	1.033	1.026	1.024	1.019	010.11
SDev	.0014	.004	.0074	.0023	.0022	.0179
%RSD	.1411	.3907	.7179	.2244	.2206	.1773
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.014	1.014	1.012	1.027	1.015	10.28
SDev	.0033	.0023	.0016	.0033	.0052	.0188
%RSD	.3266	.2287	.1598	.3201	.5095	.1833
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	10.08	1.010	1.013	10.26	1.013	1.015
SDev	.0612	.0023	.0029	.0273	.0017	.0012
%RSD	.6067	.2254	.2826	.2664	.1722	.1161
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.016	1.019	1.024	1.032	1.032	1.020
SDev	.0042	.0027	.0028	.0036	.0034	.0038
%RSD	.4159	.266	.2687	.3533	.3304	.373
Elms	V_2924	Zn2138	Pb2203	Se1960	Sb2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	1.018	1.012	1.014	1.032	1.022	
SDev	.0018	.0022	.0015	.0031	.0022	
%RSD	.1762	.2216	.1501	.3026	.2177	

Method: CLPMO
Run Time: 09/21/94
Mode: CONC
Lab ID.: S3

Sample Name: CCB1
18:55
Type: Q
Cust. Smpl. ID.:

Filename: J09214A
Corr. Factor:

Operator: LB
1.00000
Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0078	.0030	.0000	0-.0004	-.0012
SDev	.0003	.0003	.0004	0	.0001	.0035
%RSD	60.35	3.897	12.03	88.43	15.01	295

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0004	-.0007	-.0002	-.0108	.0014
SDev	.0001	.0003	.0001	.0002	.0007	.0008
%RSD	58.1	65.68	10.24	86.62	6.596	54.82

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0072	.0000	-.0001	.0001	-.0001	.0018
SDev	.0217	0	.0004	.0005	.0001	.0007
%RSD	301.6	6.669	266.5	820.9	38.8	40.99

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0013	.0004	-.0002	-.0012	-.0037	-.0024
SDev	.0009	.0008	.0018	.0017	.0014	.0004
%RSD	70.01	191.9	853.6	150.5	36.56	18.37

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0001	.0007	-.0020	.0000
SDev	0	.0001	.0022	.0014	.001
%RSD	23.92	44.97	295.5	72.21	14150

Method: CLPMO
Run Time: 09/21/94 19:01
Mode: CONC
Lab ID.: S3

Sample Name: 4605-21A
Filename: J09214A
Type: S
Cust. Smpl. ID.:

Operator: LB
Corr. Factor: 1.00000
Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0562	27.90	2.100	2.538	.0624	7.412
SDev	.0002	.0377	.0072	.0035	.0002	.0124
%RSD	.3995	.135	.3411	.1378	.3194	.1669

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0523	.5181	.2356	4.330	29.70	3.189
SDev	.0001	.0006	.0005	.0114	.0204	.0124
%RSD	.2417	.1139	.2259	.2627	.0687	.3906

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.122	1.321	1.011	.5800	.5466	2.391
SDev	.0258	.0015	.0013	.0022	.0019	.0035
%RSD	.5044	.1139	.1249	.3805	.3564	.1466

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	2.394	.5680	.5688	2.059	2.076	2.045
SDev	.0099	.0029	.0009	.0027	.0174	.0094
%RSD	.414	.5155	.1514	.1299	.8397	.4601

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.5541	.8668	2.394	2.065	.5685
SDev	.0005	.0007	.0056	.0076	.0004
%RSD	.0947	.0751	.2334	.3675	.0725

Method: CLPMO
Run Time: 09/21/94 19:07
Mode: CONC
Lab ID.: S3

Sample Name: 4605-22
Type: S
Cust. Smpl. ID.:
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Operator: LB

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	7.663	.0078	.1367	.0011	3.306
SDev	.0001	.0071	.0013	.0003	.0001	.0061
%RSD	22.4	.093	16.35	.2083	10.3	.1847

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0031	.0189	.0560	18.43	1.384
SDev	.0001	.0003	.0001	.0004	.0135	.0225
%RSD	37	9.521	.8042	.6668	.0731	1.628

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.158	1.232	.0025	.7454	.0290	.0578
SDev	.0339	.0028	.0004	.0024	.0002	.0017
%RSD	2.93	.231	18.09	.3263	.7702	2.984

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0559	.0018	.0005	-.0020	-.0017	.0013
SDev	.0012	.0022	.0011	.0028	.0034	.0038
%RSD	2.081	118.3	239	142.3	206.3	288.7

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0102	.1234	.0581	-.0019	.0004
SDev	.0001	.0003	.0019	.0011	.0009
%RSD	.5391	.2303	3.206	60.58	211.3

Method: CLPMO Sample Name: 4605-23 Operator: LB
 Run Time: 09/21/94 19:14 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	8.944	.0050	.1034	.0007	2.012
SDev	.0001	.0242	.0029	.0002	.0001	.0162
%RSD	12.47	.271	57.17	.1937	7.836	.8056

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0028	.0111	.0172	25.82	1.285
SDev	.0002	.0001	.0001	.0001	.0469	.0148
%RSD	1133	2.916	.8619	.5039	.1816	1.15

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.722	.8669	.0018	.5591	.0143	.0141
SDev	.0265	.0026	.0002	.0024	.0005	.001
%RSD	1.536	.3005	12	.4266	3.705	6.94

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0096	-.0004	.0001	-.0041	-.0059	-.0034
SDev	.0014	.0004	.0005	.0025	.0005	.0046
%RSD	14.96	120.3	534.1	61.22	9.089	136.1

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0122	.1224	.0141	-.0046	-.0001
SDev	0	.0003	.0003	.0015	.0002
%RSD	.3613	.2109	2.01	31.96	406.2

Method: CLPMO Sample Name: 4605-24 Operator: LB
 Run Time: 09/21/94 19:20 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	9.535	.0068	.2881	.0499	5.133
SDev	.0002	.032	.001	.0011	.0001	.0214
%RSD	6.039	.3353	14.43	.3717	.1964	.4167

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0220	.0730	3.419	21.56	1.538
SDev	.0002	.0002	.0004	.0081	.0958	.0088
%RSD	15.14	.8339	.5692	.2386	.4445	.5734

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.422	.6335	.0043	.5259	.0463	.3002
SDev	.0519	.0017	.0003	.002	.0001	.0014
%RSD	1.518	.2686	8.197	.3733	.2876	.4663

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2995	.0117	.0076	-.0024	-.0048	-.0034
SDev	.0022	.0012	.0006	.0026	.0038	.0009
%RSD	.7352	9.79	8.334	110.3	79.94	25.44

Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0217	.1955	.2980	-.0032	.0090
SDev	.0001	.0006	.0007	.0009	.0002
%RSD	.6423	.2886	.2285	28.02	1.858

Method: CLPMO Sample Name: 4605-25 Operator: LB
 Run Time: 09/21/94 19:27 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	39.69	.0159	.4939	.0115	63.99
SDev	.0001	.0724	.0013	.0015	.0001	.1005
%RSD	3.532	.1824	8.271	.3065	.4795	.1571

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0176	.0457	.2345	40.46	7.708
SDev	.0001	.0001	.0004	.0006	.0565	.0252
%RSD	10.22	.875	.9122	.2549	.1396	.3268

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	8.667	1.094	.0091	.7673	.0392	.1910
SDev	.0191	.001	.0001	.003	.0004	.0005
%RSD	.2201	.0903	.598	.3924	1.064	.2547

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Ti1908
Units						ppm
Avge	.1910	.0047	.0025	-.0044	-.0056	-.0018
SDev	.0006	.0011	.001	.004	.004	.001
%RSD	.3055	22.83	41.65	91.16	71.35	52.77

Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0669	.1545	.1905	-.0048	.0032
SDev	.0001	.0004	.0007	.0023	.001
%RSD	.0903	.2645	.3915	47.11	30.53

Method: CLPMO Sample Name: 4605-26 Operator: LB
 Run Time: 09/21/94 19:33 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	20.32	.0106	.3556	.0152	83.88
SDev	.0001	.0229	.0018	.0004	.0001	.2479
%RSD	3.543	.1129	17.21	.1065	.5525	.2956
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0107	.0436	.3238	30.13	4.006
SDev	.0001	0	.0005	.0005	.0335	.0206
%RSD	10.64	.3698	1.032	.1602	.1112	.5147
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.554	.8292	.0022	.7147	.0266	.2560
SDev	.0588	.001	.0003	.0012	.0001	.0024
%RSD	.8977	.1187	14.41	.1706	.4889	.9249
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.2580	.0011	-.0025	-.0052	-.0040	-.0017
SDev	.0007	.0004	.0015	.004	.0017	.003
%RSD	.2779	35.78	60.96	76.05	42.01	181.3
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0533	.1312	.2577	L-.0053	-.0018	
SDev	.0003	.0003	.0014	.0036	.0019	
%RSD	.494	.2577	.5277	68.5	105	

Method: CLPMO Sample Name: 4605-27 Operator: LB
 Run Time: 09/21/94 19:39 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0060	23.24	.0124	.4609	.0159	76.02
SDev	.0001	.0473	.0009	.0013	0	.0826
%RSD	2.51	.2035	6.935	.2849	.1813	.1087
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0145	.0473	.5415	36.19	4.897
SDev	.0001	.0002	.0002	.0008	.0493	.0327
%RSD	10.81	1.67	.3538	.1553	.1361	.6681
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	7.179	.9396	.0032	.7914	.0302	.1528
SDev	.0332	.0011	.0007	.0028	.0006	.0008
%RSD	.4627	.1209	21.43	.3518	1.984	.5294
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1534	.0004	.0001	-.0058	-.0051	-.0002
SDev	.0003	.0023	.0011	.0005	.0019	.0022
%RSD	.1762	533.6	672.9	7.977	37.65	1015
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0639	.1546	.1520	L-.0056	.0002	
SDev	.0002	.0003	.0015	.0009	.0008	
%RSD	.3392	.1903	.98	16.77	322.5	

Method: CLPMO Sample Name: 4605-28 Operator: LB
 Run Time: 09/21/94 19:46 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	35.14	.0113	.5273	.0073	34.63
SDev	.0001	.0619	.0038	.001	.0001	.0856
%RSD	2.079	.1762	33.89	.1967	.9278	.2471

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0166	.0344	.2228	34.79	7.299
SDev	.0001	.0001	.0002	.0005	.026	.0385
%RSD	3.281	.877	.6227	.2026	.0749	.5273

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	7.815	1.034	.0012	.5669	.0325	.1067
SDev	.0576	.001	.0003	.0016	.0004	.002
%RSD	.7371	.0952	28.19	.2782	1.35	1.88

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1054	.0030	.0013	-.0031	-.0071	-.0046
SDev	.0028	.003	.002	.004	.0028	.0011
%RSD	2.669	100	154.7	128.7	39.92	24.07

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0626	.1729	.1068	-.0044	.0019
SDev	.0001	.0001	.0018	.0023	.0009
%RSD	.1738	.0911	1.648	52.31	47.99

Method: CLPMO Sample Name: 4605-29 Operator: LB
 Run Time: 09/21/94 19:52 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	18.06	.0108	.4910	.0062	187.9
SDev	.0001	.042	.0022	.0009	.0002	.8527
%RSD	2.362	.2324	20.79	.1925	2.664	.4538

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0130	.0592	.6118	35.98	3.138
SDev	.0002	.0001	.0003	.0013	.1265	.0147
%RSD	16.49	.6991	.5401	.2193	.3515	.4676

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	7.789	.8883	.0042	.8650	.0502	.1130
SDev	.0654	.0025	.0006	.0008	.0005	.0026
%RSD	.8391	.2784	13.03	.0894	1.046	2.324

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1150	.0017	-.0010	-.0068	-.0075	-.0028
SDev	.0021	.001	.0015	.0065	.0032	.0022
%RSD	1.818	56.28	160.5	95.29	42.19	77.04

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0735	.1193	.1151	L-.0071	-.0001
SDev	.0002	.0005	.0014	.0033	.0012
%RSD	.3097	.3989	1.206	46.37	1753

Method: CLPMO
Run Time: 09/21/94 19:59
Mode: CONC
Lab ID.: S3

Sample Name: CCV1
Type: Q
Cust. Smpl. ID.:

Operator: LB
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.017	1.038	1.025	1.029	1.018	Q10.05
SDev	.0023	.0029	.0027	.0012	.0021	.0252
%RSD	.2263	.2772	.2643	.1141	.2032	.2502

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.014	1.010	1.012	1.025	1.016	10.34
SDev	.0023	.0016	.0026	.0013	.0061	.0296
%RSD	.229	.1552	.2564	.1258	.6003	.2862

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.08	1.010	1.014	10.30	1.013	1.013
SDev	.123	.0032	.0047	.0171	.004	.0018
%RSD	1.22	.3138	.4604	.1656	.3982	.1753

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.013	1.019	1.028	1.031	1.032	1.024
SDev	.0015	.0043	.0005	.006	.0025	.007
%RSD	.1523	.4183	.0512	.585	.2401	.6809

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.019	1.013	1.012	1.031	1.025
SDev	.002	.0025	.0001	.0045	.0012
%RSD	.1979	.2425	.0151	.4391	.1176

Method: CLPMO
Run Time: 09/21/94 20:05
Mode: CONC
Lab ID.: S3

Sample Name: CCB1
Type: Q
Cust. Smpl. ID.:

Operator: LB
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0155	.0006	.0000	Q-.0005	-.0023
SDev	.0001	.0006	.0016	0	0	.0021
%RSD	21.38	4.099	282.2	88.14	2.027	89.84

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	-.0002	-.0004	-.0002	-.0072	.0009
SDev	0	.0002	.0003	.0002	.0062	.0073
%RSD	88.33	93.37	75.04	91.7	85.25	812.3

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0087	.0000	-.0005	.0003	.0000	-.0021
SDev	.0309	0	.0001	.0005	.0001	.0015
%RSD	353.7	89.11	17.82	198.2	174.2	72.96

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0002	.0014	.0002	.0034	.0017	-.0001
SDev	.0002	.0028	.0019	.0012	.0013	.0032
%RSD	118.2	206.6	812.4	36.27	77.3	4035

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0001	-.0014	.0028	.0006
SDev	.0001	.0001	.0011	.0006	.0015
%RSD	110	42.92	72.39	22.49	241.4

Analysis Report

Averages

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Method: CLPMO
Run Time: 09/21/94 20:11
Mode: CONC
Lab ID.: S3

Sample Name: 4605-30
Type: S
Cust. Smpl. ID.:

Operator: LB
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	46.29	.0106	.5047	.0085	37.64
SDev	.0001	.1691	.0015	.0017	.0001	.1243
%RSD	4.818	.3653	13.93	.3444	.8925	.3303
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0165	.0361	.1557	39.33	7.811
SDev	.0002	.0001	.0001	.0005	.1267	.0299
%RSD	15.78	.7621	.1417	.2913	.3221	.3825
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.070	.9220	.0015	.6595	.0309	.1035
SDev	.0226	.0035	.0002	.0023	.0002	.0005
%RSD	.2796	.3747	13.19	.3443	.7166	.4793
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1051	.0030	-.0003	-.0056	-.0081	-.0036
SDev	.0011	.0018	.0004	.0027	.0033	.0027
%RSD	1.07	61.12	135.4	47.5	40.95	73.65
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0679	.1465	.1030	L-.0065	.0008	
SDev	.0002	.0003	.0014	.0029	.0009	
%RSD	.3569	.2023	1.347	44.39	111	

Method: CLPM0 Sample Name: 4605-31 Operator: LB
 Run Time: 09/21/94 20:18 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	64.91	.0236	.7510	.0051	11.99
SDev	.0002	.0544	.0003	.0008	.0001	.0041
%RSD	147.1	.0838	1.289	.1017	1.284	.0345
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0336	.0549	.0830	64.99	11.51
SDev	.0001	.0001	.0001	.0001	.0457	.0238
%RSD	12.67	.382	.1211	.1025	.0703	.2065
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.402	1.969	.0029	.6827	.0448	.1012
SDev	.0289	.0011	.0004	.0017	.0007	.0023
%RSD	.3069	.0577	14.72	.2434	1.479	2.302
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.1013	.0043	.0022	-.0000	-.0062	-.0036
SDev	.0016	.0003	.0021	.0021	.0005	.0035
%RSD	1.62	7.506	98.08	4614	7.63	96.77
Elms	V_2924	Zn2138	PB2203	SE1960	S82068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.1202	.1598	.1013	-.0021	.0029	
SDev	.0004	.0004	.0013	.0012	.0015	
%RSD	.3613	.2762	1.314	59.17	52.94	

Method: CLPM0 Sample Name: 4605-32 Operator: LB
 Run Time: 09/21/94 20:24 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	82.09	.0209	1.547	.0051	25.51
SDev	.0002	.1095	.0009	.0023	0	.0448
%RSD	272.9	.1334	4.158	.1502	.9308	.1756
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0235	.0531	.0482	62.54	17.93
SDev	.0001	.0001	.0001	.0001	.1112	.0518
%RSD	22.33	.41	.2734	.1763	.1779	.2991
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H14.57	1.197	.0022	6.109	.0494	.0471
SDev	.0857	.002	.0005	.0178	.0009	.0021
%RSD	.5883	.1711	24.25	.2913	1.812	4.457
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0493	-.0003	.0007	-.0054	-.0078	-.0026
SDev	.0026	.0018	.0024	.0046	.0027	.0028
%RSD	5.209	586.7	333.9	84.88	34.95	108.4
Elms	V_2924	Zn2138	PB2203	SE1960	SB2062	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0935	.1656	.0478	L-.0062	.0004	
SDev	.0001	.0007	.0006	.0035	.001	
%RSD	.1443	.4144	1.302	56.28	273.3	

Method: CLPMO Sample Name: 4605-33 Operator: LB
 Run Time: 09/21/94 20:31 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	75.17	.0166	.7755	.0038	9.982
SDev	.0001	.09	.0015	.0004	.0001	.0244
%RSD	22.54	.1197	9.322	.0546	2.487	.2445

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0350	.0531	.0943	62.81	14.89
SDev	.0002	.0001	.0002	.0004	.191	.0308
%RSD	7.827	.3917	.4711	.3963	.3041	.2068

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H10.64	1.693	.0018	.9588	.0425	.1437
SDev	.1036	.0045	.0004	.0018	.0008	.0003
%RSD	.9742	.2682	23.98	.1863	1.802	.2433

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1466	.0017	.0006	-.0036	-.0072	-.0041
SDev	.0019	.0019	.0022	.0018	.0064	.0032
%RSD	1.283	112.2	402.6	50.25	89.12	78.17

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1218	.1578	.1447	-.0048	.0009
SDev	.0003	.0002	.0008	.0013	.0012
%RSD	.2444	.1193	.5704	27.28	122.9

Method: CLPMO Sample Name: 4605-34 Operator: LB
 Run Time: 09/21/94 20:37 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	140.2	.0871	2.020	.0031	70.77
SDev	.0001	.1999	.0005	.0041	.0001	.1051
%RSD	17.7	.1425	.5429	.2018	1.775	.1485

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030	.0624	.3742	.1732	H139.6	27.41
SDev	.0001	.0002	.0006	.0001	.2018	.0754
%RSD	2.593	.3964	.1615	.0475	.1446	.2751

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avg	H30.05	2.380	.0060	4.923	.3862	.0541
SDev	.2537	.0043	.0002	.0104	.0007	.0024
%RSD	.8442	.18	2.817	.2115	.1725	4.473

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avg	.0651	.0046	.0023	-.0026	-.0110	-.0062
SDev	.0017	.0023	.0022	.0047	.0005	.0043
%RSD	2.637	49.03	95.59	183.8	4.306	63.26

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avg	.3494	.4819	.0558	L-.0054	.0031
SDev	.0004	.0009	.0014	.0033	.0009
%RSD	.1241	.1836	2.474	61.62	29.72

Method: CLPMO Sample Name: 4605-35 Operator: LB
 Run Time: 09/21/94 20:43 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1595	102.7	3.270	1.709	.0048	19.80
SDev	.0005	.1441	.008	.0016	.0001	.0685
%RSD	.3147	.1403	.2454	.0928	2.819	.346
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1028	.0465	.0966	14.78	H131.1	33.61
SDev	.0003	.0002	.0004	.0048	.308	.0276
%RSD	.2603	.4274	.3889	.0326	.2349	.082
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H20.27	H34.12	.0948	3.757	.0599	26.69
SDev	.1038	.1181	.0004	.004	.0005	.0129
%RSD	.5123	.3462	.4634	.1076	.8974	.0709
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	26.87	.0415	.0504	-.0021	-.0098	L-.0100
SDev	.1574	.0023	.0017	.001	.006	.0005
%RSD	.5857	5.523	3.362	47.92	61.4	4.361
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.2429	H20.00	26.75	-.0047	.0475	
SDev	.0003	.0561	.0574	.0016	.0004	
%RSD	.1252	.2806	.2147	35.15	.848	

Method: CLPMO
Run Time: 09/21/94 20:50
Mode: CONC
Lab ID.: S3

Sample Name: 4605-36
20:50
Type: S
Cust. Smpl. ID.:

Operator: LB
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0231	94.28	.5268	.9852	.0039	104.1
SDev	.0001	.0997	.0026	.0016	.0001	.2198
%RSD	.6065	.1057	.4864	.1581	3.071	.2111

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1995	.0444	.1018	.5849	H101.1	28.71
SDev	.0004	.0002	.0002	.0016	.0981	.1234
%RSD	.179	.4686	.1858	.2663	.097	.43

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H23.99	2.510	.0069	1.761	.0841	5.756
SDev	.0682	.0023	.0002	.0038	.0001	.0079
%RSD	.2842	.0905	3.291	.2184	.1405	.1381

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	5.802	.0310	.0286	-.0009	-.0088	.0021
SDev	.0237	.0028	.0045	.006	.0027	.0019
%RSD	.4078	9.185	15.75	634.9	30.58	92.79

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.2234	1.633	5.771	-.0036	.0294
SDev	.0002	.0014	.011	.0031	.0023
%RSD	.0902	.0867	.1898	88.31	7.955

Method: CLPMO Sample Name: PBS09148 Operator: LB
 Run Time: 09/21/94 20:56 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elements	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	.0335	.0008	.0001	-.0009	.0012
SDev	0	.0014	.0001	0	.0001	.0054
%RSD	2.883	4.136	16.43	21.54	5.385	446.5

Elements	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0013	-.0003	.0063	-.0013	.0017
SDev	.0001	.0002	.0001	.0002	.0016	.0194
%RSD	55.39	16.84	36.33	2.726	125.5	1145

Elements	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0203	.0000	-.0007	.1032	.0002	.0017
SDev	.0104	0	.0006	.0005	.0001	.0009
%RSD	51.36	391	83.95	.4503	69.55	55.49

Elements	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0008	-.0003	.0007	-.0033	-.0005
SDev	.0014	.0023	.0003	.0042	.0016	.0002
%RSD	82.46	285.1	123.1	605.4	48.64	36.29

Elements	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0022	.0017	-.0006	.0006
SDev	.0002	.0001	.0002	.0033	.0017
%RSD	167.7	3.025	10.1	510.5	301.6

Method: CLPMO
Run Time: 09/21/94 21:03
Mode: CONC
Lab ID.: S3

Sample Name: CCV1
Type: Q
Cust. Smpl. ID.:

Operator: LB
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.021	1.049	1.035	1.034	1.023	010.05
SDev	.0003	.0023	.0048	.0011	.0009	.0266
%RSD	.0286	.2148	.4613	.1021	.0883	.2643

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.023	1.012	1.016	1.024	1.016	10.39
SDev	.0003	.0011	.0003	.0014	.0051	.0126
%RSD	.0266	.1038	.0278	.1323	.4997	.1212

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.13	1.004	1.021	10.34	1.022	1.010
SDev	.0648	.0021	.001	.0112	.0012	.002
%RSD	.6398	.2045	.0934	.1088	.1148	.1986

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	1.018	1.021	1.034	1.032	1.039	1.031
SDev	.0021	.0022	.002	.0028	.0122	.0042
%RSD	.2083	.2137	.1949	.2752	1.173	.4033

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.023	1.018	1.013	1.034	1.030
SDev	.0008	.0002	.002	.0039	.0007
%RSD	.0824	.0183	.1989	.3816	.0639

Method: CLPMO Sample Name: CCB1 Operator: LB
 Run Time: 09/21/94 21:09 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0226	.0015	.0000	Q-.0005	-.0094
SDev	.0001	.0008	.0006	0	.0001	.002
%RSD	13	3.695	40.95	56.07	10.85	21.62

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0006	-.0007	-.0004	-.0089	-.0002
SDev	0	.0002	.0001	.0001	.0034	.0119
%RSD	19.2	30.22	20.14	33.35	38.38	5564

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0109	.0000	-.0004	.0001	-.0006	-.0006
SDev	.0039	0	.0006	.0006	.0001	.0019
%RSD	35.63	30.17	176	473.3	19.23	300.1

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0005	.0010	-.0005	-.0033	-.0011	-.0010
SDev	.0017	.0003	.001	.001	.0026	.0011
%RSD	336	31.05	173.2	31.78	234.8	117.6

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0003	-.0006	-.0020	-.0000
SDev	.0001	0	.0018	.0006	.0007
%RSD	54.3	5.605	297.5	31.75	2200

Method: CLPMO Sample Name: LCSS09148 Operator: LB
 Run Time: 09/21/94 21:15 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5024	48.84	.8772	.7215	.2823	25.86
SDev	.0008	.1163	.0035	.001	.0008	.0845
%RSD	.1624	.2382	.3976	.1368	.2727	.3266
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6802	1.964	.4751	.8948	79.05	H45.68
SDev	.0009	.004	.0005	.0029	.0844	.1244
%RSD	.1287	.2036	.1112	.3224	.1068	.2723
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	21.04	1.514	1.114	4.601	1.249	.5854
SDev	.0575	.0015	.0026	.0145	.0018	.0005
%RSD	.2731	.0992	.2291	.3154	.1411	.0843
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.5984	.6404	.6274	.8721	.8805	.7314
SDev	.0062	.0049	.0016	.0032	.0026	.0124
%RSD	1.038	.7594	.2577	.3662	.2937	1.7
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.8918	.9069	.5897	.8749	.6317	
SDev	.0007	.0011	.0023	.0027	.0023	
%RSD	.0793	.126	.3934	.3052	.3589	

Method: CLPMO
Run Time: 09/21/94 21:22
Mode: CONC
Lab ID.: S3

Sample Name: 4605-40
21:22
Type: S
Cust. Smpl. ID.:

Operator: LB
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	18.99	.0141	.2014	.0009	3.970
SDev	.0003	.0314	.0008	.0005	.0001	.0123
%RSD	83.1	.1651	5.357	.2388	14.25	.3101

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0068	.0125	.0280	32.52	3.172
SDev	.0002	.0001	.0001	.0003	.0618	.0203
%RSD	31.44	1.037	1.105	1.101	.1899	.6391

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	3.215	.8350	.0039	.5791	.0111	.0576
SDev	.0281	.001	.0002	.0012	.0003	.0014
%RSD	.8752	.1177	5.026	.2107	2.886	2.501

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0530	.0006	.0019	-.0024	-.0034	.0002
SDev	.0012	.0003	.0016	.0025	.0028	.0038
%RSD	2.335	39.57	84.03	103	81.48	2238

Elems	V_2924	Zn2138	P82203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0331	.1480	.0556	-.0027	.0015
SDev	.0002	.0003	.0015	.001	.0011
%RSD	.5113	.1835	2.644	35.56	73.06

Method: CLPMO
Run Time: 09/21/94
Mode: CONC
Lab ID.: S3

Sample Name: 4606-01L
21:28
Type: S
Cust. Smpl. ID.:
Filename: J09214A
Corr. Factor:
Cust. ID.:

Operator: LB
1.00000
Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	12.80	.0027	.1198	.0010	9.587
SDev	.0002	.015	.0019	.0001	.0001	.0146
%RSD	287.1	.1171	68.51	.1279	7.333	.1522

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0041	.0089	.0227	10.33	1.692
SDev	0	.0001	.0001	.0005	.0192	.0095
%RSD	7.262	3.377	1.201	2.094	.1858	.5641

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.158	.2981	.0003	.1557	.0078	.0164
SDev	.0236	0	.0004	.0003	.0005	.0013
%RSD	1.095	.0004	108.7	.1947	7.046	7.831

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0168	.0006	-.0014	-.0008	-.0039	-.0003
SDev	.0016	.0011	.0009	.0028	.0006	.0049
%RSD	9.533	203.2	66.86	344.9	15.73	1784

Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0162	.0308	.0180	-.0018	-.0007
SDev	.0003	.0002	.0004	.0021	.0004
%RSD	1.659	.5828	2.224	112.1	57.56

Method: CLPMO
Run Time: 09/21/94
Mode: CONC
Lab ID.: S3

Sample Name: 4606-01

21:35

Type: S

Cust. Smpl. ID.:

Filename: J09214A

Corr. Factor:

Operator: LB

1.00000

Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	65.14	.0128	.5883	.0076	47.11
SDev	.0002	.0598	.0027	.0001	.0001	.116
%RSD	13.61	.0919	21.09	.0171	1.634	.2462
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0218	.0452	.1161	50.37	10.91
SDev	.0001	.0001	.0004	.0003	.0373	.0242
%RSD	17.27	.6852	.7864	.254	.074	.2213
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.229	1.446	.0021	.9562	.0375	.0842
SDev	.1124	.002	.0003	.0012	.0002	.0028
%RSD	1.217	.1417	15.92	.1232	.4745	3.385
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0878	.0032	-.0022	-.0041	-.0068	-.0046
SDev	.0015	.0017	.0025	.0018	.0033	.004
%RSD	1.762	54.96	116.1	43.52	49.45	87.57
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0803	.1530	.0844	-.0045	-.0004	
SDev	.0002	.0004	.0022	.0011	.0011	
%RSD	.2158	.2888	2.648	24.6	283.1	

Analysis Report

Averages

Thu 09-22-94 08:43:30 AM

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Method: CLPMO
Run Time: 09/21/94 21:41
Mode: CONC
Lab ID.: S3

Sample Name: 4606-01R
Filename: J09214A
Type: S
Cust. Smpl. ID.:

Operator: LB
Corr. Factor: 1.00000
Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	63.05	.0132	.5508	.0072	30.68
SDev	.0001	.1285	.0019	.0004	.0001	.0983
%RSD	14.8	.2037	14.28	.0739	2.065	.3206
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0190	.0464	.0902	47.28	10.45
SDev	0	.0001	.0005	.0004	.1039	.0152
%RSD	6.261	.3276	1.015	.4315	.217	.1455
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.991	1.102	.0023	.8805	.0366	.0961
SDev	.129	.0032	.0004	.0016	.0002	.0015
%RSD	1.434	.2871	17.39	.1854	.5769	1.572
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0996	.0020	-.0013	-.0072	-.0068	-.0033
SDev	.0019	.0013	.0031	.0045	.0027	.0005
%RSD	1.954	65.78	231.6	62.11	39.57	15.39
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0780	.1486	.0963	L-.0066	-.0002	
SDev	.0003	.0004	.0013	.0032	.0017	
%RSD	.3748	.2756	1.396	49.41	769.5	

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Method: CLPMO Sample Name: 4606-01S Operator: LB
 Run Time: 09/21/94 21:48 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0555	90.54	.0546	2.706	.0581	35.64
SDev	.0002	.3419	.0007	.0106	.0001	.0929
%RSD	.3679	.3776	1.21	.3919	.2365	.2607

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.5342	.2747	.5571	58.87	15.45
SDev	.0001	.0014	.0009	.0025	.161	.1245
%RSD	21.42	.2598	.333	.442	.2734	.8059

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H11.38	1.778	1.001	1.466	.5721	.1649
SDev	.1034	.005	.0042	.0091	.0014	.0031
%RSD	.9087	.2786	.4193	.6222	.2488	1.882

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1683	.0278	.0315	.0064	.0024	.0419
SDev	.0029	.0027	.0038	.0015	.0025	.0067
%RSD	1.704	9.785	11.93	24.13	104.5	16

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.6253	.7110	.1675	.0050	.0303
SDev	.0018	.0016	.0011	.0018	.0018
%RSD	.2821	.2313	.6697	36.67	6.087

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Averages

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Method: CLPMO
Run Time: 09/21/94 21:54
Mode: CONC
Lab ID.: S3

Sample Name: 4606-01A
Filename: J09214A
Type: S
Cust. Smpl. ID.:

Operator: LB
Corr. Factor: 1.00000
Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0541	66.03	2.125	2.616	.0559	45.99
SDev	.0003	.0885	.0082	.0078	.0003	.184
%RSD	.5287	.134	.3856	.2998	.4498	.4001
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0514	.5226	.2468	.3770	50.24	10.77
SDev	0	.0022	.0007	.0011	.1203	.0465
%RSD	.051	.4244	.265	.2992	.2395	.4317
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.068	1.915	1.017	.9431	.5451	.5893
SDev	.0665	.0044	.0016	.0023	.0017	.0043
%RSD	.733	.2317	.1606	.2455	.3127	.7294
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.5976	.5237	.5324	2.088	2.118	2.083
SDev	.0007	.0026	.0032	.0032	.0059	.0093
%RSD	.1194	.5014	.595	.155	.2791	.4479
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.5886	.6597	.5936	2.097	.5295	
SDev	.0009	.0008	.0016	.0023	.003	
%RSD	.1526	.1276	.2706	.1075	.5606	

Method: CLPMO Sample Name: 4606-02 Operator: LB
 Run Time: 09/21/94 22:00 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	80.38	.0181	.6366	.0035	13.15
SDev	.0001	.3648	.0017	.002	0	.072
%RSD	9.345	.4539	9.16	.3128	.9694	.5474

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0244	.0522	.0467	64.94	15.12
SDev	.0001	.0003	.0002	.0001	.219	.0536
%RSD	25.59	1.083	.3303	.1865	.3373	.3544

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H10.52	1.476	.0027	.7538	.0423	.0520
SDev	.0807	.0057	.0001	.0046	.0005	.0022
%RSD	.7671	.3847	3.156	.6096	1.131	4.155

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0554	.0018	-.0005	-.0025	-.0097	-.0004
SDev	.0014	.0013	.004	.0013	.001	.0031
%RSD	2.538	72.37	761.7	50.31	9.883	868.7

Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1015	.1720	.0531	-.0049	.0002
SDev	.0005	.0005	.0011	.0009	.0031
%RSD	.4492	.2713	2.06	17.62	1260

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Method: CLPMO
Run Time: 09/21/94 22:07
Mode: CONC
Lab ID.: S3

Sample Name: CCV2
Type: Q
Cust. Smpl. ID.:

Filename: J09214A
Corr. Factor:

Operator: LB
1.00000
Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.021	1.055	1.038	1.036	1.018	010.06
SDev	.0007	.0022	.0026	.0024	.0003	.0165
%RSD	.0725	.208	.2538	.2312	.0264	.1641
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.019	1.003	1.011	1.022	1.009	10.46
SDev	.0002	.0005	.0012	.0016	.0085	.0206
%RSD	.0202	.0475	.1167	.161	.8419	.1969
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.05	1.000	1.019	10.45	1.016	1.007
SDev	.0548	0	.0022	.0036	.0012	.0005
%RSD	.5454	.0001	.22	.0344	.1177	.0461
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.019	1.019	1.033	1.026	1.043	1.034
SDev	.0039	.0029	.0008	.0048	.0037	.0046
%RSD	.3838	.2894	.0785	.4696	.3551	.4507
Elms	V_2924	Zn2138	Pb2203	Se1960	Sb2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	1.020	1.015	1.010	1.032	1.028	
SDev	.0007	.0016	.0022	.004	.0015	
%RSD	.0719	.1548	.2149	.3858	.1479	

Method: CLPMO Sample Name: CC82 Operator: LB
 Run Time: 09/21/94 22:13 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.0331	.0019	.0000	0-.0006	-.0093
SDev	0	.0005	.0001	0	0	.004
%RSD	2.909	1.646	7.017	76.44	2.02	43.29
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0006	-.0005	-.0009	-.0086	-.0008
SDev	.0002	.0001	.0001	.0003	.0055	.009
%RSD	743.4	14.98	25.7	28.86	64.03	1079
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0200	.0000	-.0007	-.0003	-.0001	.0001
SDev	.0143	0	.0003	.0005	.0003	.0003
%RSD	71.41	55.88	36.67	160.3	483.8	437.5
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	-.0013	.0028	-.0005	-.0001	.0013	-.0005
SDev	.0005	.0007	.001	.0013	.0019	.0021
%RSD	41.14	23.76	187.8	1365	151	402.6
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0000	.0002	-.0004	-.0001	-.0004	
SDev	.0001	.0001	.0004	.0006	.0005	
%RSD	12030	42.4	101.9	457	127	

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Method: CLPMO
Run Time: 09/21/94
Mode: CONC
Lab ID.: S3

Sample Name: 4606-03
22:20
Type: S
Cust. Smpl. ID.:
Filename: J09214A
Corr. Factor:
Cust. ID.:

Operator: LB

1.00000

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0216	84.89	.0151	.6722	.0126	11.49
SDev	.0002	.03	.0021	.0005	.0001	.0369
%RSD	.776	.0354	13.74	.067	.8482	.3215
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0312	.0734	.5018	60.56	13.61
SDev	0	0	.0002	.0007	.0342	.0159
%RSD	4.803	.0723	.3143	.1329	.0565	.1167
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H10.58	1.677	.0034	.8079	.0582	.0903
SDev	.0494	.0011	.0006	.0004	.0008	.0024
%RSD	.4675	.0678	17.8	.0512	1.3	2.621
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0919	.0008	.0003	-.0053	-.0097	-.0010
SDev	.0016	.0018	.0004	.0038	.0019	.0014
%RSD	1.745	215	125.6	71.86	19.87	142.2
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.1075	.1978	.0894	L-.0068	.0010	
SDev	.0003	.0002	.0011	.0031	.0005	
%RSD	.2574	.1258	1.22	45.85	46.61	

Method: CLPMO Sample Name: 4606-04 Operator: LB
 Run Time: 09/21/94 22:26 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	16.32	.0143	.4027	.0071	144.6
SDev	.0003	.0138	.0039	.0002	.0001	.0967
%RSD	7.592	.0845	27.48	.0461	1.382	.0669
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.0118	.0467	.5084	36.65	3.508
SDev	.0001	.0003	.0004	.001	.0661	.027
%RSD	4.477	2.765	.8252	.1907	.1802	.7694
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	7.848	.7680	.0027	.9951	.0377	.1566
SDev	.0742	.0011	.0003	.0045	.0004	.0018
%RSD	.9451	.148	10.44	.4472	.9518	1.163
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1622	.0033	-.0020	-.0068	-.0049	-.0025
SDev	.0022	.0013	.0017	.0009	.0037	.0017
%RSD	1.38	41.13	86.65	13.83	75.52	67.69
Elms	V_2924	Zn2138	Pb2203	Se1960	Sb2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0639	.1694	.1585	L-.0062	-.0003	
SDev	.0003	.0001	.0008	.0007	.0009	
%RSD	.5018	.0744	.5028	10.71	364	

Method: CLPM0 Sample Name: 4606-05 Operator: LB
 Run Time: 09/21/94 22:32 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	52.38	.0131	1.066	.0025	10.20
SDev	.0003	.0643	.0016	.0014	.0001	.0258
%RSD	47.85	.1228	11.91	.131	2.372	.2528
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0104	.0331	.0204	40.19	9.185
SDev	.0002	.0004	.0001	.0001	.0667	.0536
%RSD	75.68	3.562	.4182	.4215	.1659	.5833
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.138	.9972	.0015	1.021	.0292	.0216
SDev	.08	.001	.0004	.002	.0004	.0015
%RSD	.8759	.0985	24.63	.1942	1.364	6.85
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.0218	.0015	-.0015	-.0031	-.0090	-.0021
SDev	.0015	.0014	.002	.0018	.0004	.003
%RSD	6.816	96.47	136.6	59.61	4.254	143.9
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.0540	.1239	.0227	L-.0051	-.0010	
SDev	0	.0003	.0011	.0011	.0015	
%RSD	.057	.2757	4.905	21.91	155	

Method: CLPMO Sample Name: 4606-06 Operator: LB
 Run Time: 09/21/94 22:39 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	83.36	.0169	1.147	.0035	10.44
SDev	.0002	.0358	.0002	.0008	.0001	.0101
%RSD	20.67	.0429	1.416	.0705	1.65	.0967
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0298	.0588	.0326	65.21	14.65
SDev	.0003	.0002	.0001	.0001	.015	.0486
%RSD	206.2	.6442	.2467	.4523	.0231	.332
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H13.36	1.546	.0032	1.002	.0450	.0455
SDev	.0345	0	.0003	.0021	.0005	.0016
%RSD	.258	.0001	9.349	.2131	1.014	3.421
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0492	.0040	-.0024	-.0039	-.0100	-.0017
SDev	.0013	.0029	.0021	.0031	.001	.0011
%RSD	2.668	73.06	87.72	78.29	10.41	63.56
Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.1106	.1592	.0467	L-.0060	-.0003	
SDev	.0004	.0001	.0014	.0023	.0015	
%RSD	.3416	.0371	3.079	38.9	539.2	

Method: CLPMO Sample Name: 4606-07 Operator: LB
 Run Time: 09/21/94 22:45 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1585	96.35	3.268	1.697	.0047	19.21
SDev	.0002	.1361	.0128	.0035	.0001	.0418
%RSD	.1566	.1413	.3921	.2058	1.492	.2178
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1024	.0447	.0921	14.61	H126.6	32.31
SDev	.0002	.0003	.0001	.0133	.2531	.1274
%RSD	.2158	.6097	.1411	.0909	.1998	.3882
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H19.95	H33.79	.0928	3.669	.0589	26.31
SDev	.1381	.1127	.0003	.0077	.0006	.0316
%RSD	.6923	.3336	.3459	.2094	1.019	.1203
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	26.74	.0339	.0411	.0013	-.0103	-.0087
SDev	.1073	.001	.0019	.0024	.0038	.0011
%RSD	.4014	2.81	4.522	186.9	37.27	12.52
Elems	V_2924	Zn2138	Pb2203	Se1960	Sb2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.2324	H19.89	26.46	-.0026	.0387	
SDev	.0002	.0593	.0565	.0027	.0013	
%RSD	.1067	.298	.2135	103.6	3.401	

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Method: CLPMO Sample Name: 4607-01 Operator: LB
 Run Time: 09/21/94 22:52 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	99.15	.0160	1.026	.0373	13.10
SDev	.0001	.1147	.0012	.0017	.0001	.0291
%RSD	4.605	.1157	7.739	.1675	.1657	.2221

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0368	.0583	.1227	66.75	16.55
SDev	.0003	.0002	.0001	.0001	.0944	.0545
%RSD	61.62	.6122	.1182	.1215	.1414	.3292

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H11.78	2.338	.0021	.8339	.0498	.1275
SDev	.0814	.0034	.0006	.0016	.0001	.0012
%RSD	.6914	.1458	27.01	.1859	.157	.9032

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.1312	.0028	-.0026	-.0050	-.0098	-.0050
SDev	.0038	.0012	.0029	.0023	.0009	.002
%RSD	2.904	41.84	110.1	46.21	8.911	39.63

Elms	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1208	.1834	.1257	L-.0066	-.0008
SDev	.0007	.0006	.0006	.0013	.0016
%RSD	.6205	.3466	.4612	19.27	198.5

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Method: CLPMO
Run Time: 09/21/94 22:58
Mode: CONC
Lab ID.: S3

Sample Name: 4607-02
Type: S
Cust. Smpl. ID.:

Operator: LB
Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	91.74	.0165	1.041	.0120	10.94
SDev	.0002	.0333	.0002	.0005	.0001	.0496
%RSD	757.2	.0363	1.05	.044	.4746	.4533

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0350	.0533	.0595	65.94	15.04
SDev	.0001	.0002	.0003	.0002	.1787	.0533
%RSD	19.7	.7066	.5115	.3822	.271	.3542

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H11.67	2.109	.0020	.7651	.0466	.1080
SDev	.0557	.0049	.0004	.0024	.0003	.0002
%RSD	.4769	.2301	21.93	.3192	.651	.1865

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1129	.0028	-.0009	-.0033	-.0094	-.0043
SDev	.0026	.0012	.0006	.0021	.0037	.0035
%RSD	2.263	44.58	65.14	63.63	39.11	79.9

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1188	.1593	.1096	L-.0053	.0003
SDev	.0003	.0004	.001	.0006	.0007
%RSD	.2255	.2241	.8882	10.49	251.9

Method: CLPMO Sample Name: 4607-03 Operator: LB
 Run Time: 09/21/94 23:05 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	122.3	.0202	1.120	.0057	11.51
SDev	.0001	.3348	.0029	.0032	.0001	.0063
%RSD	11.55	.2738	14.61	.2894	1.275	.0544

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0388	.0607	.0436	74.33	16.14
SDev	.0001	.0002	.0003	.0001	.0439	.1
%RSD	826.9	.5889	.4942	.1988	.0591	.6193

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H13.05	2.220	.0014	.8764	.0515	.0731
SDev	.0721	.0015	.0003	.0047	.0003	.0012
%RSD	.5528	.0678	21.99	.5332	.5636	1.689

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0789	.0019	-.0011	-.0041	-.0107	-.0063
SDev	.002	.0013	.0016	.0058	.0045	.0026
%RSD	2.491	68.7	144.1	141.4	42.32	41.9

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1328	.1758	.0750	L-.0063	-.0001
SDev	.0004	.0003	.0008	.0025	.0012
%RSD	.285	.156	1.035	40.5	979.3

Method: CLPMO

Sample Name: CCV2

Operator: LB

Run Time: 09/21/94 23:11

Filename: J09214A

Mode: CONC

Type: Q

Corr. Factor:

1.00000

Lab ID.: S3

Cust. Smpl. ID.:

Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.028	1.072	1.046	1.045	1.025	010.05
SDev	.0014	.0029	.0019	.001	.0022	.03
%RSD	.1359	.274	.1816	.098	.2155	.2984
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.032	1.008	1.021	1.022	1.017	10.55
SDev	.002	.0029	.0025	.0003	.011	.0171
%RSD	.1896	.2832	.2487	.03	1.085	.1617
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.22	1.002	1.026	10.53	1.029	1.007
SDev	.0133	.0026	.0013	.0042	.0026	.0026
%RSD	.1307	.2601	.1301	.04	.2515	.2615
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	1.027	1.021	1.041	1.026	1.053	1.044
SDev	.0031	.0034	.0034	.0031	.0074	.0046
%RSD	.3037	.3326	.3306	.304	.7031	.4448
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	1.028	1.023	1.013	1.035	1.035	
SDev	.0014	.0021	.0028	.0042	.0034	
%RSD	.1337	.2074	.2733	.4072	.3298	

Method: CLPMO Sample Name: CCB2 Operator: LB
 Run Time: 09/21/94 23:17 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0420	.0013	.0001	0-.0005	-.0070
SDev	.0001	.0018	.0003	0	0	.0041
%RSD	19.81	4.205	23.05	56.85	8.669	57.96

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0003	-.0003	-.0007	-.0053	.0060
SDev	.0001	.0002	.0002	.0004	.0016	.0115
%RSD	170.7	59.11	60.93	52.92	31.07	190.8

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0201	.0000	-.0005	.0001	-.0001	.0021
SDev	.017	0	.0003	.0005	.0002	.0007
%RSD	84.48	33.51	67.3	751.6	176.9	34.72

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	-.0031	.0015	.0014	.0004	-.0056	-.0004
SDev	.0006	.0005	.0019	.0016	.0007	.0019
%RSD	20.32	33.64	135.3	423	12.47	452.8

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0004	.0003	-.0016	.0014
SDev	.0001	.0001	.0003	.0008	.0012
%RSD	36.35	12.64	79.75	49.85	84.38

Method: CLPMO Sample Name: 4607-04 Operator: LB
 Run Time: 09/21/94 23:24 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	92.82	.0153	1.071	.0053	11.22
SDev	.0002	.2939	.0016	.0024	.0001	.0554
%RSD	37.48	.3167	10.71	.2239	2.142	.4935
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0374	.0530	.0436	66.25	14.69
SDev	.0001	.0004	.0004	.0002	.1581	.058
%RSD	53.52	.9418	.7418	.3885	.2386	.3947
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H11.67	2.417	.0013	.8502	.0490	.0648
SDev	.1168	.0082	.0002	.0025	.0006	.001
%RSD	1.001	.3393	16.83	.299	1.174	1.544
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Ti1908
Units						ppm
Avge	.0709	.0027	-.0017	-.0025	-.0100	-.0022
SDev	.001	.0008	.0012	.0013	.003	.0017
%RSD	1.378	27.73	74.12	53.08	30.25	75.4
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.1182	.1570	.0668	-.0050	-.0002	
SDev	.0004	.0004	.0009	.0006	.001	
%RSD	.3251	.2851	1.28	12.33	489.4	

Method: CLPMO Sample Name: 4607-05 Operator: LB
 Run Time: 09/21/94 23:30 Filename: J09214A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	86.25	.0156	.9447	.0273	10.37
SDev	.0001	.1336	.002	.0013	.0001	.0158
%RSD	8.13	.1549	12.49	.1405	.4676	.1524

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0320	.0463	.0964	56.90	14.51
SDev	0	.0001	.0002	.0001	.1152	.0411
%RSD	15.38	.2954	.5034	.0868	.2024	.2831

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H10.70	1.943	.0018	.6660	.0448	.4478
SDev	.0242	.0035	.0001	.0008	.0006	.002
%RSD	.2264	.1778	7.996	.1203	1.365	.4365

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.4593	.0033	-.0020	-.0037	-.0081	-.0042
SDev	.0006	.002	.0021	.0047	.0022	.0016
%RSD	.1207	59.73	105.9	127.8	26.94	38.71

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.0984	.1519	.4511	L-.0052	-.0002
SDev	.0003	.0002	.002	.0025	.0021
%RSD	.271	.1189	.452	49.26	881.4

Method: CLPMO
Run Time: 09/21/94 23:37
Mode: CONC
Lab ID.: S3

Sample Name: 4607-06
Filename: J09214A
Type: S
Cust. Smpl. ID.:

Operator: LB
Corr. Factor: 1.00000
Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0094	93.19	.0179	1.027	.1273	11.29
SDev	.0001	.0386	.0008	.0021	.0004	.0486
%RSD	1.58	.0414	4.242	.2027	.279	.4307

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0356	.0600	.2963	64.79	15.96
SDev	.0002	.0003	.0003	.001	.119	.0832
%RSD	41.58	.8568	.448	.349	.1836	.5212

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	H11.74	2.219	.0021	.8051	.0546	.7924
SDev	.058	.0025	.0004	.0036	.0004	.0029
%RSD	.4942	.1115	16.46	.442	.6407	.371

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	T11908
Units						ppm
Avge	.8140	.0017	.0000	-.0065	-.0079	-.0060
SDev	.0065	.0023	.0032	.0019	.0002	.0031
%RSD	.8003	135.1	15050	29.98	2.309	52.2

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1160	.1835	.7966	L-.0074	.0001
SDev	.0001	.0003	.0034	.0019	.0009
%RSD	.0809	.1825	.4327	25.86	1113

Method: CLPMO
Run Time: 09/21/94 23:43
Mode: CONC
Lab ID.: S3

Sample Name: CRI
Type: Q
Cust. Smpl. ID.:

Filename: J09214A
Corr. Factor: 1.00000
Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0196	.0846	.0227	.0000	.0098	.0261
SDev	.0001	.0011	.0029	0	0	.0035
%RSD	.4221	1.289	12.79	15.88	.1855	13.54

Elms	Cd2265	Co2286	Cr2677	CU3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	.1008	.0203	.0520	.0140	.0043
SDev	.0001	.0003	.0001	.0004	.0008	.0046
%RSD	.7918	.3358	.7406	.7148	5.975	105.5

Elms	Mg2795	Mn2576	Mo2020	Na5289	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0271	.0305	.0208	-.0012	.0829	.0073
SDev	.017	0	.0004	.0002	.0006	.0015
%RSD	62.96	.0006	2.021	20.01	.7076	20.98

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	.0989	.0988	.0076	.0093	.0164
SDev	.0018	.0006	.0014	.0023	.0024	.0019
%RSD	32.87	.5571	1.439	30.67	26.22	11.72

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.1036	.0423	.0052	.0082	.0989
SDev	.0002	.0002	.001	.0015	.0011
%RSD	.2116	.5247	18.82	18.83	1.072

Method: CLPMO Sample Name: ICSEA Operator: LB
 Run Time: 09/21/94 23:49 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	101.0	.0030	.0002	-.0004	240.9
SDev	.0002	.124	.0016	0	.0001	.1838
%RSD	24.34	.1227	53.8	9.839	15.8	.0763
Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0004	.0004	.0013	89.92	.0142
SDev	.0001	.0002	.0002	.0003	.1331	.0204
%RSD	20.51	50.08	44.65	19.27	.148	143.6
Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.505	-.0015	.0004	.0033	.0020	-.0031
SDev	.036	0	.0002	0	.0002	.0034
%RSD	.3788	.5242	46.08	.4225	12.05	109.8
Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.0001	.0013	.0001	-.0100	-.0094	-.0053
SDev	.0031	.0013	.0031	.0025	.0029	.0038
%RSD	2037	97.67	3816	24.79	30.61	71.17
Elems	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	-.0020	.0027	-.0005	-.0098	.0005	
SDev	.0003	.0001	.0012	.0008	.0018	
%RSD	15.31	2.358	248.1	8.555	365.9	

Method: CLPMO Sample Name: ICSAB Operator: LB
 Run Time: 09/21/94 23:56 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9863	102.2	1.032	.4901	.4848	240.0
SDev	.0003	.0951	.0022	.0004	.0005	.193
%RSD	.0294	.0931	.216	.0857	.1109	.0804

Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9475	.4703	.4739	.5138	89.75	.0230
SDev	.001	.0011	.0009	.0006	.1322	.017
%RSD	.1032	.2366	.1898	.1089	.1473	73.65

Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	
Avge	9.670	.4642	.9898	1.362	.9562	.9663
SDev	.0852	.0006	.0011	.0011	.0019	.0022
%RSD	.8813	.1209	.11	.0774	.1956	.2324

Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units						ppm
Avge	.9899	1.045	1.037	.9831	1.008	1.010
SDev	.0028	.0045	.0036	.0024	.0017	.0248
%RSD	.2856	.4282	.3468	.2441	.1687	2.453

Elms	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.4765	.9796	.9741	.9914	1.040
SDev	.0003	.0012	.0016	.0021	.0013
%RSD	.0658	.1192	.1597	.2134	.1259

Method: CLPMO Sample Name: CCV2 Operator: LB
 Run Time: 09/22/94 00:02 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elms	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.028	1.077	1.045	1.045	1.026	010.02
SDev	.0009	.0006	.002	.001	.0015	.03
%RSD	.0921	.0602	.1949	.1	.1487	.2991
Elms	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.035	1.006	1.024	1.014	1.020	10.54
SDev	.0006	.002	.0017	.0016	.0055	.0106
%RSD	.0589	.1992	.1625	.1627	.5379	.1002
Elms	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.24	1.005	1.030	10.51	1.030	1.006
SDev	.051	.0015	.0023	.0092	.0016	.0014
%RSD	.4983	.1499	.2253	.0877	.1549	.1411
Elms	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.030	1.023	1.040	1.024	1.055	1.053
SDev	.0015	.0031	.0049	.0021	.0031	.0051
%RSD	.1446	.3065	.4735	.2046	.2933	.4812
Elms	V_2924	Zn2138	PB2203	SE1960	SB2068	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	1.027	1.025	1.014	1.035	1.034	
SDev	.0015	.0009	.0006	.0007	.0029	
%RSD	.1477	.0881	.0631	.0685	.2789	

Method: CLPMO Sample Name: CCB2 Operator: LB
 Run Time: 09/22/94 00:09 Filename: J09214A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: S3 Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	0.0492	.0011	.0000	0-.0004	-.0117
SDev	.0002	.0011	.0009	0	0	0
%RSD	24.17	2.337	80.27	133.6	4.652	.3923

Elems	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0002	-.0006	-.0008	-.0087	-.0056
SDev	.0001	.0001	.0001	.0002	.0014	.0044
%RSD	176	32.75	21.84	26.97	16.42	79.47

Elems	Mg2795	Mn2576	Mo2020	Na5889	Ni2316	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0109	.0000	-.0007	-.0003	-.0003	.0014
SDev	.0237	0	0	.0006	.0002	.001
%RSD	217	17.19	5.495	182.6	56.42	71.23

Elems	2203/2	2068/1	2068/2	1960/1	1960/2	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0022	.0001	-.0031	-.0008	.0008
SDev	.0009	.0008	.0019	.0009	.0009	.0028
%RSD	153.1	36.33	1464	29.55	110	365.9

Elems	V_2924	Zn2138	PB2203	SE1960	SB2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0002	.0008	-.0024	.0013
SDev	.0002	.0001	.0008	.0008	.0008
%RSD	429	33.99	108.1	32.98	57.84

File : 0915HG1.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type Matrix	Instrument Dil.	Date	Time	Flags
1	BLANK	S0	3		09/15/94	08:00:00	
2	STD1	S1	3		09/15/94	08:01:00	
3	STD2	S1	3		09/15/94	08:02:00	
4	STD3	S5	3		09/15/94	08:03:00	
5	STD4	S10	3		09/15/94	08:04:00	
6	ICV1-1		0	1.0	09/15/94	08:10:00	
7	ICB1-1		0	1.0	09/15/94	08:11:00	
8	CRA1		0	1.0	09/15/94	08:12:00	
9	PBS0915A		0	1.0	09/15/94	08:13:00	
10	PBS0915B		0	1.0	09/15/94	08:14:00	
11	CLPLCS0915A		0	1.0	09/15/94	08:15:00	
12	CLPLCS0915B		0	1.0	09/15/94	08:16:00	
13	4605-01		0	1.0	09/15/94	08:17:00	
14	4605-02		0	1.0	09/15/94	08:18:00	
15	4605-03		0	1.0	09/15/94	08:19:00	
16	4605-04		0	1.0	09/15/94	08:20:00	
17	4605-05		0	1.0	09/15/94	08:21:00	
18	CCV1-1		0	1.0	09/15/94	08:22:00	
19	CCB1-1		0	1.0	09/15/94	08:23:00	
20	4605-06		0	1.0	09/15/94	08:24:00	
21	4605-07		0	1.0	09/15/94	08:25:00	
22	4605-08		0	1.0	09/15/94	08:26:00	
23	4605-09		0	1.0	09/15/94	08:27:00	
24	4605-10		0	1.0	09/15/94	08:28:00	
25	4605-11		0	1.0	09/15/94	08:29:00	
26	4605-12		0	1.0	09/15/94	08:30:00	
27	4605-13		0	1.0	09/15/94	08:31:00	
28	4605-14		0	1.0	09/15/94	08:32:00	
29	4605-15		0	1.0	09/15/94	08:33:00	
30	CCV1-2		0	1.0	09/15/94	08:34:00	
31	CCB1-2		0	1.0	09/15/94	08:35:00	
32	4605-16		0	1.0	09/15/94	08:36:00	
33	4605-17		0	1.0	09/15/94	08:37:00	
34	4605-18		0	1.0	09/15/94	08:38:00	
35	4605-19		0	1.0	09/15/94	08:39:00	
36	4605-20		0	1.0	09/15/94	08:40:00	
37	4605-21		0	1.0	09/15/94	08:41:00	
38	4605-22		0	1.0	09/15/94	08:42:00	
39	4605-23		0	1.0	09/15/94	08:43:00	
40	4605-24		0	1.0	09/15/94	08:44:00	
41	4605-25		0	1.0	09/15/94	08:45:00	
42	CCV1-3		0	1.0	09/15/94	08:46:00	
43	CCB1-3		0	1.0	09/15/94	08:47:00	
44	4605-26		0	1.0	09/15/94	08:48:00	
45	4605-27		0	1.0	09/15/94	08:49:00	
46	4605-28		0	1.0	09/15/94	08:50:00	
47	4605-29		0	1.0	09/15/94	08:51:00	
48	4605-30		0	1.0	09/15/94	08:52:00	
49	4605-31		0	1.0	09/15/94	08:53:00	
50	4605-32		0	1.0	09/15/94	08:54:00	
51	4605-33		0	1.0	09/15/94	08:55:00	
52	4605-37		0	1.0	09/15/94	08:56:00	
53	4605-38		0	1.0	09/15/94	08:57:00	
54	CCV1-4		0	1.0	09/15/94	08:58:00	
55	CCB1-4		0	1.0	09/15/94	08:59:00	
56	4605-39		0	1.0	09/15/94	09:00:00	
57	4605-40		0	1.0	09/15/94	09:01:00	
58	CCV1F		0	1.0	09/15/94	09:02:00	
59	CCB1F		0	1.0	09/15/94	09:03:00	

Calculated Data for HG 253.700

Calibration Coefficients : A0 A1 A2 Exponent
 0.00253 0.02208 0.00000 1.00

#	Lab. Name	Date	Time	Type	Dil	Concentration in UG/L			4
						1	2	3	
1	ICV1-1	09/15/94	08:10:00	0	1.0	4.0518			
2	ICB1-1	09/15/94	08:11:00	0	1.0	-0.1147			
3	CRA1	09/15/94	08:12:00	0	1.0	1.0175			
4	PBS0915A	09/15/94	08:13:00	0	1.0	-0.1147			
5	PBS0915B	09/15/94	08:14:00	0	1.0	-0.1147			
6	CLPLCS0915A	09/15/94	08:15:00	0	1.0	2.6026			
7	CLPLCS0915B	09/15/94	08:16:00	0	1.0	3.6895			
8	4605-01	09/15/94	08:17:00	0	1.0	0.3834			
9	4605-02	09/15/94	08:18:00	0	1.0	0.2476			
10	4605-03	09/15/94	08:19:00	0	1.0	-0.1147			
11	4605-04	09/15/94	08:20:00	0	1.0	-0.1147			
12	4605-05	09/15/94	08:21:00	0	1.0	2.8743			
13	CCV1-1	09/15/94	08:22:00	0	1.0	5.5916			
14	CCB1-1	09/15/94	08:23:00	0	1.0	-0.1147			
15	4605-06	09/15/94	08:24:00	0	1.0	-0.1147			
16	4605-07	09/15/94	08:25:00	0	1.0	0.5193			
17	4605-08	09/15/94	08:26:00	0	1.0	-0.1147			
18	4605-09	09/15/94	08:27:00	0	1.0	-0.1147			
19	4605-10	09/15/94	08:28:00	0	1.0	1.1533			
20	4605-11	09/15/94	08:29:00	0	1.0	-0.1147			
21	4605-12	09/15/94	08:30:00	0	1.0	0.2023			
22	4605-13	09/15/94	08:31:00	0	1.0	-0.1147			
23	4605-14	09/15/94	08:32:00	0	1.0	0.2476			
24	4605-15	09/15/94	08:33:00	0	1.0	-0.1147			
25	CCV1-2	09/15/94	08:34:00	0	1.0	4.7311			
26	CCB1-2	09/15/94	08:35:00	0	1.0	-0.1147			
27	4605-16	09/15/94	08:36:00	0	1.0	-0.1147			
28	4605-17	09/15/94	08:37:00	0	1.0	0.5193			
29	4605-18	09/15/94	08:38:00	0	1.0	3.4177			
30	4605-19	09/15/94	08:39:00	0	1.0	1.2439			
31	4605-20	09/15/94	08:40:00	0	1.0	-0.1147			
32	4605-21	09/15/94	08:41:00	0	1.0	-0.1147			
33	4605-22	09/15/94	08:42:00	0	1.0	-0.1147			
34	4605-23	09/15/94	08:43:00	0	1.0	-0.1147			
35	4605-24	09/15/94	08:44:00	0	1.0	1.9232			
36	4605-25	09/15/94	08:45:00	0	1.0	0.3381			
37	CCV1-3	09/15/94	08:46:00	0	1.0	4.2329			
38	CCB1-3	09/15/94	08:47:00	0	1.0	-0.1147			
39	4605-26	09/15/94	08:48:00	0	1.0	-0.1147			
40	4605-27	09/15/94	08:49:00	0	1.0	0.3381			
41	4605-28	09/15/94	08:50:00	0	1.0	-0.1147			
42	4605-29	09/15/94	08:51:00	0	1.0	1.4704			
43	4605-30	09/15/94	08:52:00	0	1.0	0.7910			
44	4605-31	09/15/94	08:53:00	0	1.0	-0.1147			
45	4605-32	09/15/94	08:54:00	0	1.0	-0.1147			
46	4605-33	09/15/94	08:55:00	0	1.0	-0.1147			
47	4605-37	09/15/94	08:56:00	0	1.0	-0.1147			
48	4605-38	09/15/94	08:57:00	0	1.0	4.1424			
49	CCV1-4	09/15/94	08:58:00	0	1.0	4.1424			
50	CCB1-4	09/15/94	08:59:00	0	1.0	-0.1147			
51	4605-39	09/15/94	09:00:00	0	1.0	0.8363			
52	4605-40	09/15/94	09:01:00	0	1.0	0.2023			
53	CCV1F	09/15/94	09:02:00	0	1.0	4.8670			
54	CCB1F	09/15/94	09:03:00	0	1.0	-0.1147			



Mercury Analysis Bench Log

Run ID: H109154A
 Analyst: 8
 Date: 091594
 Method: 7471
 Correlation Coefficient: 0.9971
 Calibration Prep Batch ID: LSH0915A/B

Calibration Standard	Absorbance	Cal. Point Used (Y/N)
1 <u>0.0</u> ppb	<u>0.000</u>	<u>Y</u>
2 <u>0.5</u> ppb	<u>0.015</u>	<u>Y</u>
3 <u>1.0</u> ppb	<u>0.032</u>	<u>*Y</u>
4 <u>2.0</u> ppb	<u>.2</u>	<u>*N</u>
5 <u>7.5</u> ppb	<u>.2</u>	<u>*N</u>
6 <u>10.0</u> ppb	<u>0.228</u>	<u>*Y</u>
7 <u>5.0</u> ppb	<u>0.102</u>	<u>Y</u>

S-Cubed Sample ID	Absorbance	Serial Dilution	Sample Prep./ Spike	Conc.	% Recovery	Comments
ICV	<u>0.092</u>		5 ppb	<u>4.05</u>	<u>81</u>	
ICB	<u>0.000</u>			<u><0.2</u>		
CLF	<u>0.025</u>		<u>1 ppb</u>	<u>1.02</u>		
PBS 0915A	<u>0.000</u>			<u><0.2</u>		
PBS 0915B	<u>0.000</u>			<u>↓</u>		
LCSS 0915A	<u>0.060</u>		<u>CR219, 3.07</u>	<u>2.60</u>	<u>85</u>	
LCSS 0915B	<u>0.084</u>		<u>" 3.52</u>	<u>3.69</u>	<u>105</u>	
4605-01	<u>0.011</u>			<u>0.38</u>		
02	<u>0.008</u>			<u>0.25</u>		
03	<u>0.000</u>			<u><0.2</u>		
04	<u>0.000</u>			<u>↓</u>		
↓ 05	<u>0.066</u>			<u>2.87</u>		
CCV 01	<u>0.126</u>		5 ppb	<u>5.59</u>	<u>112</u>	
CCB 01	<u>0.000</u>			<u><0.2</u>		
4605-06	<u>0.000</u>			<u>↓</u>		
07	<u>0.014</u>			<u>0.52</u>		
08	<u>0.000</u>			<u><0.2</u>		
09	<u>0.000</u>			<u>↓</u>		
10	<u>0.028</u>			<u>1.15</u>		
11	<u>0.000</u>			<u><0.2</u>		
12	<u>0.007</u>			<u>0.20</u>		
13	<u>0.000</u>			<u><0.2</u>		
14	<u>0.008</u>			<u>0.25</u>		
↓ 15	<u>0.006</u>			<u><0.2</u>		

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SDG: 4605.1

ICE GRAPH SHEET

LOT# 4605

QC1

FILE ID	ANALYSIS	EXCEPTION	ADDITION	SAMPLE ID
T09164B	LANL LIST			PBS/LC550913B, 4605-21, 21L, 21R, 21S, 21A, 22
		AG, BA, K, NA		4605-23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34
		AG, BA, K, NA, PB, MN		4605-35
		AG, BA, K, NA, PB		4605-36
T09184A	AG, BA, K, NA			4605-23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34
	AG, BA, K, NA, PB, MN			4605-35D*, 36D (USE PB ONLY IF needed) Do Not USE 4605-35, 36
	LANL LIST			4605-40
J09214A	AS, PB, SE, TL			PB/LC550913B 4605-21, 21L, 21R, 21S, 21A, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 40

#2

QC2

#2

QC3

#3

SAMPLE ID BC ZH



Prep. Batch ID.: CS0913B
Analyst: CV Date: 9/13/94

Reagents Added		
10 mL 1:1 HNO ₃	4 mL H ₂ O ₂	
5 mL HNO ₃	5 mL 1:1 HCl	

Sample Digestion Log

Form: 4S
Digestion Method: CLP ICP
Matrix Type: Soil

Bkr. No.	Sample ID Color Code: <u>P</u>	Sample Size (g)	Final Volume (mL)	Color		Texture		Comments/ Spikes		
				Init.	Final	Text.	Artif.			
	PBS 0913B	1.00	200.00							
	LCSS 0913B	2.00								
1	4635-A	1.00		begin	yellow fine			ERA 249		
2	-20									
3	-21									
4	-21R									
5	-21S							2 mL. manganese 0.2 mL spike		
6	-22							2 mL. PCL 2.0 mL		
7	-23							2 mL. PCL 2.0 mL		
8	-24									
9	-25									
10	-26									
11	-27									
12	-28									
13	-29									
14	-30									
15	-31									
16	-32									
17	-33									
18	-34									
19	-35									
20	-36									

Matrix Type: Soil

Reagents Added	
5 mL H ₂ O	
5 mL Aqua Regia	

Prep.

Batch No.: CS10915 B

[illegible]

Analyst: h Date: 06/15/94

100

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Lot No. 4605.1

Metals Internal Traffic Log

DC No.

Date Received: 8-27-1994

Received by: **AMY SMITH**

Date Printed: 8-29-1994

Turnaround Required: 30 DAY

Reporting Level: FULL CLP

Date Sampled: 7-28-1994

Client SDG:

Client Code: LANL

Project Notes:

Data Due Date: 9-16-1994

S-Cubed Project Manager: R. PHILLIPS

Charge Number: 32507-30-73

Case No./Project Code: 18681

SDG No.: 4605.1

S-Cubed Sample No.	Sample Identification	Samp. Type	Samp Storage				
4605-21	94.20325	SOIL		W11			
4605-22	94.20326	SOIL		W11			
4605-23	94.20327	SOIL		W11			
4605-24	94.20328	SOIL		W11			
4605-25	94.20329	SOIL	.	W11			
4605-26	94.20330	SOIL		W11			
4605-27	94.20331	SOIL		W11			
4605-28	94.20332	SOIL		W11			
4605-29	94.20333	SOIL		W11			
4605-30	94.20334	SOIL		W11			
4605-31	94.20335	SOIL		W11			
4605-32	94.20336	SOIL		W11			
4605-33	94.20337	SOIL		W11			
4605-34 *	94.20338	SOIL		W11			

QC Level:

1 - Low (Blank, LCS)

2 - CLP

3 - RCRA

3 - RCHA
4- Other:
NAL = Non-Aqueous Liquid
N33 = Non-Soln Cont

[illegible]

Soil = Soil/Sediment/Sludge

Water = Aqueous

NSS = Non-Soil Solid

NAL = Non-Aqueous Liquid

Analysis Requirements

Analysis Code: ICPILM

Analysis Code: 10711
 Analyte List: Ag, Al, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, P, Sb, V, Zn

Sample Prep.: Leaching:

Digestion:CLP

Extraction:

Other

Spiking: CLP Calibration: CLP

QC Level: O MS MSD Rep LCS Blank

Notes: NO Ag

Holding Time Expiration: 2-23-1995

Custody Record

Sample Prep.	Analyst	Date	Storage
Analytical Runs			
1		9/13/04	
2			
3			
4			
5			
6			
7			
8			
Data Reduction			

Metals Internal Traffic Log

Lot No. 4605.1

DC No.

Date Received: 8-27-1994

Date Sampled: 8-16-1994

Client Code: LANL

Received by: **AMY SMITH**

Client SDG:

Project Notes:

Date Printed: 8-29-1994

Data Due Date: 9-16-1994

Turnaround Required: 30 DAY

S-Cubed Project Manager: R. PHILLIPS

Reporting Level: FULL CLP

Charge Number: 32507-30-73

Analysis Requirements

Case No./Project Code: 18681

SDG No.: 4605.1

[illegible]**QC Level:**

1 - Low (Blank, LCS)

2-CLP

3-RCRA

4- Other:

Container Description

Sample Type
Soil = Soil/Sediment/Sludge

Water = Aqueous

NSS = Non-Soil Solid

NAL = Non-Aqueous Liquid

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Review:

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MAXWELL

S-CUBED Division

Lot No. 4605.1

Metals Internal Traffic Log

DC No. _____

Date Received: 8-27-1994

Date Sampled: 7-28-1994

Client Code: LANL

Received by: AMY SMITH

Client SDG:

Project Notes:

Date Printed: 8-29-1994

Data Due Date: 9-16-1994

Turnaround Required: 30 DAY

S-Cubed Project Manager: R. PHILLIPS

Reporting Level: FULL CLP

Charge Number: 32507-30-73

N

Analysis Requirements

SDG No.: 4605.1

Case No./Project Code: 18681

S-Cubed Sample No.	Sample Identification	Samp. Type	Samp Storage			
4605-21	94.20326	SOIL		W11		
4605-22	94.20326	SOIL		W11		
4605-23	94.20327	SOIL		W11		
4605-24	94.20328	SOIL		W11		
4605-25	94.20329	SOIL		W11		
4605-26	94.20330	SOIL		W11		
4605-27	94.20331	SOIL		W11		
4605-28	94.20332	SOIL		W11		
4605-29	94.20333	SOIL		W11		
4605-30	94.20334	SOIL		W11		
4605-31	94.20336	SOIL		W11		
4605-32	94.20336	SOIL		W11		
4605-33	94.20337	SOIL		W11		
4605-37	94.20341	SOIL		W11		

QC Level:

1 - Low (Blank, LCS)

2 - CLP

3 - RCRA

4 - Other: _____

Sample Type

Soil = Soil/Sediment/Sludge

Water = Aqueous

NSS = Non-Soil Solid

NAL = Non-Aqueous Liquid

Container Description

Analysis Code: HGILM

Analyte List:

Sample Prep.: Leaching:

Digestion: CLP

Extraction:

Other

Spiking: CLP Calibration: CLP

QC Level: O MS MSD Rep LCS Blank

Notes:

Holding Time Expiration: 9-22-1994

Custody Record

Sample Prep.	Analyst	Date	Storage
1	g	09/05/94	
2	g	09/05/94	
3			
4			
5			
6			
7			
8			
Data Reduction			

Metals Internal Traffic Log

Lot No. 4605.1

DC No. *

Date Received: 8-27-1994

Date Sampled: 8-16-1994

Client Code: LANL

Received by: **AMY SMITH**

Client SDG:

Project Notes:

Date Printed: 8-29-1994

Data Due Date: 9-16-1994

Turnaround Required: 30 DAY

S-Cybed Project Manager: R. PHILLIPS

Reporting Level: FULL CLP

Charge Number: 32507-30-73

2

Analysis Requirements

[illegible]

QC Level:

1 - Low (Blank, LCS)

2 - GLP

3 - BCRA

4- Other:

Sample Type

Soil = Soil/Sediment/Sludge

Soil = Soil/Seawater
Water = Aqueous

SSN = Non-Soil Solid

NAL = Non-Aqueous Liquid

[illegible]

Analysis Code: HGILM

Analyte List:

Sample Prep.: Leaching:

Diagnosis:CLP

Extraction:

Other

Spiking: CLP

Calibration: CLP

QC Level: O MS MSD Rep LCS Blank

Notes:

Holding Time Expiration: 9-22-1994

Custody Record

Sample Prep.	Analyst	Date	Storage
Analytical Runs 1 <u>11/07/13 4A</u>	J	01/15/14	
2	J	07/15/14	
3			
4			
5			
6			
7			
8			
Data Reduction			

Review:

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