Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 214-238-5591
Fax. 214-238-5592

AT Kearney
WA
R05020

CUSTOMER: AT KEARNEY, Inc.
PROJECT: G200-R05-020 BC
RE: BASF North Works
MID 064 197 742
REPORT NUMBER: D96-10809
SAMPLES RECEIVED: 27-September-1996

US EPA RECORDS CENTER REGION 5
1004375

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(D96-10809)

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SDG NARRATIVE

Inchcape Testing Services
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Richardson, TX 75081
Tel. 214-238-5591
Fax. 214-238-5592

DATE RECEIVED: 27-SEP-1996

REPORT NUMBER: D96-10809
REPORT DATE: 31-SEP-1996

SAMPLE SUBMITTED BY :	AT Kearney, Inc.
ADDRESS :	Third Floor, One Wall Street Court New York, NY 10005
ATTENTION :	Ms. Julie Shanahan
PROJECT :	G200-R05-020 BC
DATE SAMPLED :	26-SEP-1996
SAMPLE NUMBERS :	MWOOORFIMW16, TB001, MWOOORFIMW2, RFIMW15, RFIMW115F
SDG NUMBER:	D96-10809
CONTRACT NUMBER:	N/A

SDG NARRATIVE

This is a Level IV data package, containing CLP forms for the analysis of metals.

The volatile organics, semivolatile organics, pesticides, herbicides, and general chemistry data were submitted previously.

Total Metals Analysis

Matrix Spike Analysis

For the matrix spike and matrix spike duplicate of sample D96-10809-5, the recoveries for arsenic and thallium were outside of QC limits. Since the laboratory control sample was within QC limits the results were authorized.

Duplicate Sample Analysis

For the duplicate analysis of sample D96-10809-5, the %RPD for arsenic and thallium were not considered since the results were less than five times CRDL (<5XCRDL).

Dissolved Metals Analysis

Matrix Spike Analysis

For the matrix spike and matrix spike duplicate of sample D96-10556-1, the spike for silver was not recovered due to matrix interference. The results are flagged with a "N" on the form V. Since the laboratory control sample was within QC limits, the results were authorized.

Duplicate Analysis

For the duplicate analysis of sample D96-10556-1, the %RPD was outside of QC limits. The results are flagged with a "*" on the form VI.

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No other issues were encountered during the sample analysis for this task.

If there are any questions, feel free to contact Ms. Janice McKittrick, at (972) 238-5591.

"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 in diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Gregory K. Horton
Data Review

11-27-96
Date

METALS DATA

COVER PAGE

U.S. EPA

CP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Inchcape Testing Services SDG No.: 10809

EPA Sample No.	Lab Sample ID.
10814-2	10814-2
10814-2D	10814-2D
10814-2MS	10814-2MS
10814-2MSD	10814-2MSD
10814-2L	10814-2L
MWOOOR	10809-1
FINWZ	10809-3
RFIMW15	10809-4
W115F	10809-5

Were ICP interelement corrections applied? Yes/No Yes

Were ICP backgrounds 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 diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Gregory K Horton Name: Gregory K. Horton

Date: 11-27-96 Title: Data Review

SAMPLE DATA

U.S. EPA

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MWOOOR

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Matrix (soil/water): WATER Lab Sample ID: 10809-1

Level (low/med): LOW Date Received: 09/27/96

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	<2.57			F
7440-38-2	Arsenic	39.2			F
7440-39-3	Barium	244			P
7440-41-7	Beryllium	< 1.2			P
7440-43-9	Cadmium	<0.09			F
7440-70-2	Calcium				
7440-47-3	Chromium	44.5			P
7440-48-4	Cobalt	<8.7			P
7440-50-8	Copper	<10.8			P
7439-89-6	Iron				
7439-92-1	Lead	8.74			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.20			AV
7440-02-0	Nickel	51.4			P
7440-09-7	Potassium				
7782-49-2	Selenium	4.0			F
7440-22-4	Silver	< 0.36			P
7440-23-5	Sodium				
7440-28-0	Thallium	<0.74			F
7440-62-2	Vanadium	224			P
7440-66-6	Zinc	53.2			P
	Cyanide				
	Tin	209			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

008

U.S. EPA

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FINWZ

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Matrix (soil/water): WATER Lab Sample ID: 10809-3

Level (low/med): LOW Date Received: 09/27/96

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	<2.57			F
7440-38-2	Arsenic	5.9			F
7440-39-3	Barium	434			P
7440-41-7	Beryllium	< 1.2			P
7440-43-9	Cadmium	<0.09			F
7440-70-2	Calcium				
7440-47-3	Chromium	15.4			P
7440-48-4	Cobalt	<8.7			P
7440-50-8	Copper	<10.8			P
7439-89-6	Iron				
7439-92-1	Lead	16.0			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.045			AV
7440-02-0	Nickel	44.8			P
7440-09-7	Potassium				
7782-49-2	Selenium	<3.39			F
7440-22-4	Silver	< 0.36			P
7440-23-5	Sodium				
7440-28-0	Thallium	3.6			F
7440-62-2	Vanadium	10.2			P
7440-66-6	Zinc	39.9			P
	Cyanide				
	Tin	410			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

COSA

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

RFIMW15

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Matrix (soil/water): WATER Lab Sample ID: 10809-4

Level (low/med): LOW Date Received: 09/27/96

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	<2.57			F
7440-38-2	Arsenic	2.60			F
7440-39-3	Barium	145			P
7440-41-7	Beryllium	< 1.2			P
7440-43-9	Cadmium	0.50			F
7440-70-2	Calcium				
7440-47-3	Chromium	8.4			P
7440-48-4	Cobalt	17.2			P
7440-50-8	Copper	<10.8			P
7439-89-6	Iron				
7439-92-1	Lead	31.85			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.28			AV
7440-02-0	Nickel	26.9			P
7440-09-7	Potassium				
7782-49-2	Selenium	<3.39			F
7440-22-4	Silver	< 0.36			P
7440-23-5	Sodium				
7440-28-0	Thallium	<0.74			F
7440-62-2	Vanadium	13			P
7440-66-6	Zinc	87.2			P
	Cyanide				
	Tin	622			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

009

U.S. EPA

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

W115F

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Matrix (soil/water): WATER Lab Sample ID: 10809-5

Level (low/med): LOW Date Received: 09/27/96

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	<2.57			F
7440-38-2	Arsenic	1.4			F
7440-39-3	Barium	137			P
7440-41-7	Beryllium	< 1.2			P
7440-43-9	Cadmium	0.39			F
7440-70-2	Calcium				
7440-47-3	Chromium	<7.7			P
7440-48-4	Cobalt	27.7			P
7440-50-8	Copper	<10.8			P
7439-89-6	Iron				
7439-92-1	Lead	15.34			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.14			AV
7440-02-0	Nickel	<1.1			P
7440-09-7	Potassium				
7782-49-2	Selenium	<3.39			F
7440-22-4	Silver	10.8			P
7440-23-5	Sodium				
7440-28-0	Thallium	<0.74			F
7440-62-2	Vanadium	8.72			P
7440-66-6	Zinc	59.3			P
	Cyanide				
	Tin	657			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

010

QUALITY CONTROL DATA

U.S. EPA
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony	40.0	38.90	97.3	50.0	51.60	103.2	48.90	97.8	F
Arsenic	40.0	39.60	99.0	25.0	24.90	99.6	23.80	95.2	F
Barium	1000.0	1005.98	100.6	1000.0	1056.39	105.6	1046.47	104.6	P
Beryllium	1000.0	986.55	98.7	1000.0	1055.07	105.5	1053.66	105.4	P
Cadmium	6.0	5.66	94.3	5.0	4.94	98.8	4.85	97.0	F
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	20.0	20.75	103.8	30.0	30.04	101.3	30.38	101.3	F
Magnesium									
Manganese									
Mercury	2.5	2.49	99.6	3.0	2.92	97.3	2.93	97.7	AV
Nickel									
Potassium									
Selenium	20.0	19.10	95.5	25.0	23.30	93.2	20.40	81.6	F
Silver									
Sodium									
Thallium	40.0	39.10	97.8	25.0	24.60	98.4	24.10	96.4	F
Vanadium	1000.0	996.61	99.7	1000.0	1006.51	100.7	1004.06	100.4	P
Zinc									
Cyanide									
Tin	400.0	419.22	104.8	400.0	417.27	104.3	434.99	108.7	P

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115
(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony				50.0	46.40	92.8	46.40	92.8	F
Arsenic				25.0	26.30	105.2			F
Barium				1000.0	1047.34	104.7	1037.57	103.8	P
Beryllium				1000.0	1050.05	105.0	1062.98	106.3	P
Cadmium				5.0	6.00	120.0	4.99	99.8	F
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				30.0	28.77	95.9	25.90	86.3	F
Magnesium									
Manganese									
Mercury				3.0	2.92	97.3			AV
Nickel									
Potassium									
Selenium				25.0	20.20	80.8	21.20	84.8	F
Silver									
Sodium									
Thallium				25.0	23.50	94.0	24.60	98.4	F
Vanadium				1000.0	1000.06	100.0	1014.14	101.4	P
Zinc									
Cyanide									
Tin				400.0	424.85	106.2	416.12	104.0	P

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115

(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

Forms by WindowChem(707)864-0845;p/n11014;v3.0.1/1/96

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony				50.0	47.70	95.4	49.80	99.6	F
Arsenic									
Barium				1000.0	1039.46	103.9	1051.62	105.2	P
Beryllium				1000.0	1055.69	105.6	1065.75	106.6	P
Cadmium				5.0	5.63	112.6	5.47	109.4	F
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				30.0	27.76	92.5	26.13	87.1	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				25.0	21.70	86.8	21.00	84.0	F
Silver									
Sodium									
Thallium				25.0	26.00	104.0	25.70	102.8	F
Vanadium				1000.0	1008.11	100.8	1015.65	101.6	P
Zinc									
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115
(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony				50.0	50.40	100.8			F
Arsenic									
Barium				1000.0	1048.48	104.8	1052.47	105.2	P
Beryllium				1000.0	1072.27	107.2	1077.61	107.8	P
Cadmium				5.0	5.68	113.6	5.75	115.0	F
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				30.0	29.79	99.3	31.33	104.4	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				25.0	22.40	89.6	20.00	80.0	F
Silver									
Sodium									
Thallium				25.0	25.40	101.6	23.50	94.0	F
Vanadium				1000.0	1012.63	101.3	1017.87	101.8	P
Zinc									
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115

(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

U.S. EPA
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium				5.0	5.47	109.4			F
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				30.0	29.45	98.2	27.79	92.6	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				25.0	22.00	88.0	22.70	90.8	F
Silver									
Sodium									
Thallium				25.0	24.10	96.4	23.60	94.4	F
Vanadium									
Zinc									
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115
(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				30.0	27.48	91.6	30.75	102.5	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				25.0	22.80	91.2	22.40	89.6	F
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115

(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				30.0	31.03	103.4	31.31	104.4	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115
(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				30.0	29.90	99.7	30.60	102.0	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115

(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

U.S. EPA
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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				30.0	31.51	105.0	30.73	102.4	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115
(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

020

U.S. EPA

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				30.0	30.18	100.6	30.85	102.8	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115

(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

U.S. EPA
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				30.0	28.45	94.8			P
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115
(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

Forms by WindowChem

U.S. EPA

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony									
Arsenic	40.0	42.30	105.8	25.0	25.90	103.6	24.10	96.4	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	20.0	19.77	98.9	30.0	29.38	97.9	31.48	104.9	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver	10000.0	9828.00	98.3	10000.0	10105.59	101.1	10073.74	100.7	P
Sodium									
Thallium									
Vanadium									
Zinc	5000.0	5164.00	103.3	10000.0	10147.30	101.5	10154.94	101.5	P
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115

(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

U.S. EPA

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic				25.0	24.10	96.4	24.40	97.6	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				30.0	30.43	101.4	29.79	99.3	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver				10000.0	10110.98	101.1	10073.19	100.7	P
Sodium									
Thallium									
Vanadium									
Zinc				10000.0	10024.94	100.2	10115.21	101.2	P
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115

(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

U.S. EPA

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic				25.0	22.70	90.8	20.90	83.6	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				30.0	28.82	96.1			F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver				10000.0	10104.79	101.0	10084.97	100.8	P
Sodium									
Thallium									
Vanadium									
Zinc				10000.0	9879.30	98.8	9753.15	97.5	P
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115

(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

U.S. EPA
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver				10000.0	10197.34	102.0	10240.67	102.4	P
Sodium									
Thallium									
Vanadium									
Zinc				10000.0	10302.11	103.0	10321.88	103.2	P
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115
(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

026

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony	<2.57		<2.57		<2.57		<2.57		<2.57		F
Arsenic	1.7	B	<0.9		<0.9		<0.9		<0.9		F
Barium	< 8.6		< 8.6		< 8.6		< 8.6		< 8.6		P
Beryllium	< 1.2		< 1.2		3.1		< 1.2		< 1.2		P
Cadmium	<0.09		<0.09		<0.09		<0.09		<0.09		F
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead	<1.49		<1.49		<1.49		<1.49		<1.49		F
Magnesium											
Manganese											
Mercury	<0.10		<0.10		<0.10		<0.10		<0.10		AV
Nickel											
Potassium											
Selenium	<3.39		<3.39		<3.39		<3.39		<3.39		F
Silver											
Sodium											
Thallium	<0.74		<0.74		<0.49		<0.74		<0.74		F
Vanadium	< 2.1		< 2.1		4.0		< 2.1		< 2.1		P
Zinc											
Cyanide											
Tin	1.4	B	2.7	B	5.9	B	3.7	B	14.850		P

U.S. EPA
3
BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony			<2.57		<2.57		<2.57				F
Arsenic											
Barium			< 8.6		< 8.6		< 8.6				P
Beryllium			< 1.2		< 1.2		< 1.2				P
Cadmium			<0.09		<0.09		<0.09				F
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			<1.49		<1.49		2.3	B			F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium			<3.39		<3.39		<3.39				F
Silver											
Sodium											
Thallium			<0.74		<0.74		<0.74				F
Vanadium			< 2.1		< 2.1		< 2.1				P
Zinc											
Cyanide											
Tin			2.1	B							P

U.S. EPA
3
BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony			<2.57								F
Arsenic											
Barium			< 8.6		< 8.6		< 8.6				P
Beryllium			< 1.2		< 1.2		< 1.2				P
Cadmium			<0.09		<0.09		<0.09				F
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			1.9	B	<1.49		<1.49				F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium			<3.39		<3.39		<3.39				F
Silver											
Sodium											
Thallium			<0.74		<0.74		<0.74				F
Vanadium			< 2.1		< 2.1		< 2.1				P
Zinc											
Cyanide											

U.S. EPA
3
BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			<1.49		<1.49		<1.49				F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium			<3.39		<3.39		<3.39				F
Silver											
Sodium											
Thallium			<0.74								F
Vanadium											
Zinc											
Cyanide											

U.S. EPA
3
BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			<1.49		<1.49		<1.49				F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Vanadium											
Zinc											
Cyanide											

U.S. EPA
3
BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			<1.49		<1.49		<1.49				F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Vanadium											
Zinc											
Cyanide											

U.S. EPA
3
BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			<1.49		<1.49		<1.49				F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Vanadium											
Zinc											
Cyanide											

U.S. EPA
3
BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic	1.7	B	1.6	B	<0.9		<0.9				F
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead	<1.5		<1.5		<1.5		<1.5				F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver	< 0.36		< 0.36		4.0		< 0.36		3.049		P
Sodium											
Thallium											
Vanadium											
Zinc	< 2.2		< 2.2		< 2.2		< 2.2		8.146		P
Cyanide											

034

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic			1.8	B	<0.9		<0.9				F
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			<1.5		<1.5						F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver			1.1		13.7		6.3				P
Sodium											
Thallium											
Vanadium											
Zinc			< 2.2		< 2.2		< 2.2				P
Cyanide											

Forms by WindowChem(707)864-0845;p/n11014,v3 0;1/1/96

U.S. EPA
3
BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver			6.5				< 0.36				P
Sodium											
Thallium											
Vanadium											
Zinc			< 2.2				< 2.2				P
Cyanide											

U.S. EPA

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_3 ICS Source: HIGH PURITY

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	426994	433646.4	86.7	430244	435354.4	87.1
Antimony								
Arsenic								
Barium		500		479.5	95.9		479.9	96.0
Beryllium		500		467.7	93.5		476.6	95.3
Cadmium								
Calcium	500000	500000	436541	441005.2	88.2	439636	445596.7	89.1
Chromium								
Cobalt								
Copper								
Iron	200000	200000	177008	178372.3	89.2	178714	181679.4	90.8
Lead								
Magnesium	500000	500000	473822	473637.1	94.7	474101	484699.9	96.9
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium		500		464.0	92.8		471.7	94.3
Zinc								

U.S. EPA

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_1 ICS Source: HIGH PURITY

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	499498	500045.0	100.0	505851	504287.5	100.9
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron	200000	200000	179675	178872.1	89.4	187127	185517.0	92.8
Lead								
Magnesium	500000	500000	481075	481522.2	96.3	485791	483580.4	96.7
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver		1000		952.5	95.2		968.9	96.9
Sodium								
Thallium								
Vanadium								
Zinc		1000		963.0	96.3		987.3	98.7

U.S. EPA

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_1 ICS Source: HIGH PURITY

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	507550	512170.0	102.4	525580	527800.0	105.6
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium	500000	500000	486450	491180.0	98.2	498480	499070.0	99.8
Chromium								
Cobalt								
Copper								
Iron	200000	200000	179480	180880.0	90.4	181120	181630.0	90.8
Lead								
Magnesium	500000	500000	495700	499110.0	99.8	503170	503850.0	100.8
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								
Tin		400		328.7	82.2		326.5	81.6

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10814-2MS

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium	75-125	9031.6842		94.9553		10000.00	89.4		P
Beryllium	75-125	963.4833		< 1.2		1000.00	96.3		P
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver	75-125	95.3541		< 0.36		100.00	95.4		P
Sodium									
Thallium									
Vanadium	75-125	927.1717		2.9641		1000.00	92.4		P
Zinc	75-125	960.7234		9.1677		1000.00	95.2		P
Cyanide									

Comments:

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10814-2MSD

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium	75-125	9083.5953		94.9553		10000.00	89.9		P
Beryllium	75-125	962.0107		< 1.2		1000.00	96.2		P
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver	75-125	96.3021		< 0.36		100.00	96.3		P
Sodium									
Thallium									
Vanadium	75-125	930.7117		2.9641		1000.00	92.8		P
Zinc	75-125	941.6877		9.1677		1000.00	93.3		P
Cyanide									

Comments:

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10809-5MS

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic	75-125	28.1000		5.9000		40.00	55.5	N	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	75-125	20.9000		3.6000		30.00	57.7	N	F
Vanadium									
Zinc									
Cyanide									
Tin									

Comments:

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10809-5MSD

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic	75-125	26.2000		5.9000		40.00	50.8	N	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	75-125	22.7000		3.6000		30.00	63.7	N	F
Vanadium									
Zinc									
Cyanide									
Tin									

Comments:

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10759-2MS

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony	75-125	52.0000		<2.6		50.00	104.0		F
Arsenic									
Barium									
Beryllium									
Cadmium	75-125	2.8300		<0.9		3.00	94.0		F
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

Comments:

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10759-2MSD

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony	75-125	51.8000		<2.6		50.00	103.0		F
Arsenic									
Barium									
Beryllium									
Cadmium	75-125	3.0800		<0.9		3.00	102.0		F
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

Comments:

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10851-2MS

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	80-120	1.0300		<0.1		1.00	103.0		AV
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

Comments:

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10851-2MSD

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	80-120	1.0400		<0.1		1.00	104.0		AV
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

Comments:

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10809-3MS

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	75-125	30.0000		16.0000		20.00	70.0	N	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

Comments:

047A

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10809-3MSD

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	75-125	34.3000		16.0000		20.00	91.5		F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

Comments:

0476

U.S. EPA
6
DUPLICATES

EPA SAMPLE NO.

10759-2D

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

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

% Solids for Sample: _____ % Solids for Duplicate: _____

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

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum						
Antimony		<2.6	<2.6	0.0		F
Arsenic						
Barium						
Beryllium						
Cadmium		<0.9	<0.9	0.0		F
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc						
Cyanide						

U.S. EPA
6
DUPLICATES

EPA SAMPLE NO.

10851-2D

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample: % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury		<0.1		<0.1		0.0		AV
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								
Cyanide								

U.S. EPA
6
DUPLICATES

EPA SAMPLE NO.

10814-2D

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

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

% Solids for Sample: _____ % Solids for Duplicate: _____

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic								
Barium		< 8.6		92.9635		NC		P
Beryllium		< 1.2		< 1.2		0.0		P
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver		< 0.36		< 0.36		0.0		P
Sodium								
Thallium								
Vanadium		2.9641		<2.1		NC		P
Zinc		< 2.2		9.4952		NC		P
Cyanide								

U.S. EPA
6
DUPLICATES

EPA SAMPLE NO.

10809-5D

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

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

% Solids for Sample: _____ % Solids for Duplicate: _____

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

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum						
Antimony						
Arsenic		5.9000	4.2000	33.7		F
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium		15.7000	3.6000	125.4		F
Vanadium						
Zinc						
Cyanide						
Tin		656.8100	608.07	7.7		P

U.S. EPA
6
DUPLICATES

EPA SAMPLE NO.
10809-3D

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

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

% Solids for Sample: _____ % Solids for Duplicate: _____

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead		16.0000		15.2000		5.1		F
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								
Cyanide								

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U.S. EPA
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LABORATORY CONTROL SAMPLE

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Solid LCS Source:

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony	50.0	50.20	100.4						
Arsenic	25.0	25.30	101.2						
Barium	10000.0	8853.00	88.5						
Beryllium	1000.0	943.13	94.3						
Cadmium	3.0	3.05	101.7						
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	20.0	20.12	100.6						
Magnesium									
Manganese									
Mercury	1000.0	982.00	98.2						
Nickel									
Potassium									
Selenium	20.0	18.80	94.0						
Silver	100.0	93.80	93.8						
Sodium									
Thallium	40.0	35.80	89.5						
Vanadium	1000.0	916.99	91.7						
Zinc	1000.0	965.96	96.6						
Cyanide									
Tin	10000.0	9222.20	92.2						

U.S. EPA
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PREPARATION LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW	09/28/96		100
LCSW	09/28/96		100
10814-2	09/28/96		100
10814-2D	09/28/96		100
10814-2MS	09/28/96		100
10814-2MSD	09/28/96		100
MWOOOR	09/28/96		100
FINWZ	09/28/96		100
RFMW15	09/28/96		100
W115F	09/28/96		100

U.S. EPA
13
PREPARATION LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Method: F

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW	09/29/96		100
LCSW	09/29/96		100
FINWZ	09/29/96		100
FINWZD	09/29/96		100
FINWZMS	09/29/96		100
FINWZMSD	09/29/96		100
MWOOR	09/29/96		100
RFMW15	09/29/96		100
W115F	09/29/96		100

U.S. EPA
13
PREPARATION LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Method: F

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW	09/28/96		50
LCSW	09/28/96		50
10759-2	09/28/96		50
10759-2D	09/28/96		50
10759-2MS	09/28/96		50
10759-2MSD	09/28/96		50
MWOOOR	09/28/96		50
FINWZ	09/28/96		50
RFMW15	09/28/96		50
W115F	09/28/96		50

U.S. EPA
13
PREPARATION LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Method: AV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW	09/29/96		100
LCSW	09/29/96		100
10851-2	09/29/96		100
10851-2D	09/29/96		100
10859-2MS	09/29/96		100
10859-2MSD	09/29/96		100
MWOOOR	09/29/96		100
FINWZ	09/29/96		100
RFMW15	09/29/96		100
W115F	09/29/96		100

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_3 Method: P

Start Date 10/07/96 End Date: 10/08/96

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	KE	SE	AG	NA	TL	V	ZN	CN					
LRV4	1.00	19:23					X	X																								
ICVA	1.00	19:54					X	X																X								
ICB	1.00	20:04					X	X																X								
ZZZZZZ	1.00	20:15																														
ICSABI	1.00	20:20					X	X																X								
CCV1A	1.00	20:40					X	X																X								
CCB1	1.00	20:45					X	X																X								
CCV2A	1.00	22:50					X	X																X								
CCB2	1.00	22:55					X	X																X								
CCV3A	1.00	00:02					X	X																X								
CCB3	1.00	00:07					X	X																X								
CCV4A	1.00	01:13					X	X																X								
CCB4	1.00	01:18					X	X																X								
CCV5A	1.00	02:39					X	X																X								
CCB5	1.00	02:44					X	X																X								
PBW:14739	1.00	02:54					X	X																X								
LCSW:14739	1.00	02:59					X	X																X								
10814-2	1.00	03:04					X	X																X								
10814-2D	1.00	03:09					X	X																X								
10814-2MS	1.00	03:14					X	X																X								
10814-2MSD	1.00	03:20					X	X																X								
10814-2L	1.00	03:24					X	X																X								
CCV6A	1.00	03:51					X	X																X								
CCB6	1.00	03:56					X	X																X								
10809-1	1.00	04:26					X	X																X								
10809-3	1.00	04:32					X	X																X								
10809-4	1.00	04:37					X	X																X								
10809-5	1.00	04:42					X	X																X								
CCB7	1.00	05:08					X	X																X								
CCV8A	1.00	06:19					X	X																X								
CCB8	1.00	06:24					X	X																X								
ZZZZZZ	1.00	06:34																														
ICSABF	1	06:40					X	X																X								

U.S. EPA

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: ____________

Lab Code: ________ Case No.: ________ SAS No.: ________ SDG No.: 10809

Instrument ID Number ICP_3 Method: P

Start Date 10/08/96 End Date: ________

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV9A	1.00	07:00					X	X																	X		
CCB9	1.00	07:05					X	X																	X		
ZZZZZZ																											
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U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: ____________

Lab Code: ________ Case No.: ________ SAS No.: ________ SDG No.: 10809

Instrument ID Number: ____________ Method: P

Start Date: ________ End Date: ________

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ																											
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U.S. EPA

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: ____________

Lab Code: ________ Case No.: ________ SAS No.: ________ SDG No.: 10809

Instrument ID Number: ____________ Method: P

Start Date: ________ End Date: ________

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ																											
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U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number: _____ Method: P

Start Date: _____ End Date: _____

EPA Sample No.	D/F	Time	% R	Analytes
				ALBSASABBECDCACRCOCUFEPBMGMNHGNIKSEAGANALTVZNCN
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				

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FORM XIV - IN SW-846

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_1 Method: P

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	VI	ZN	CN			
LRV2	1.00	10:52																			X									
ICVA	1.00	10:56																			X				X					
ICB	1.00	11:06																			X				X					
ZZZZZZ	1.00	11:13																												
ICSABI	1.00	11:17																			X				X					
CCV1A	1.00	11:20																							X					
CCV1B	1.00	11:24																			X									
CCB1	1.00	11:27																			X				X					
CCV2A	1.00	12:08																							X					
CCV2B	1.00	12:12																			X									
CCB2	1.00	12:15																			X				X					
CCV3A	1.00	12:54																							X					
CCV3B	1.00	12:58																			X									
CCB3	1.00	13:01																			X				X					
CCV4A	1.00	13:37																							X					
CCV4B	1.00	13:40																			X									
CCB4	1.00	13:44																			X				X					
PBW:14739	1.00	13:48																			X				X					
LCS:14739	1.00	13:51																			X				X					
10814-2	1.00	13:55																			X				X					
10814-2D	1.00	13:58																			X				X					
10814-2MS	1.00	14:02																			X				X					
10814-2MSD	1.00	14:05																			X				X					
10814-2L	1.00	14:09																			X				X					
10809-1	1.00	14:13																			X				X					
10809-3	1.00	14:16																			X				X					
10809-4	1.00	14:20																			X				X					
CCV5A	1.00	14:23																							X					
CCV5B	1.00	14:27																			X									
CCB5	1.00	14:30																			X				X					
10809-5	1.00	14:34																			X				X					
ZZZZZZ	1.00	14:56																												
ZZZZZZ	1	14:59																												

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_1 Method: P

Start Date 10/10/96 End Date: _____

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	SA	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	KE	SE	AG	NA	TL	VN	ZN	CN			
ZZZZZZ	1.00	15:03																												
ZZZZZZ	1.00	15:06																												
CCV6A	1.00	15:10																							X					
CCV6B	1.00	15:13																			X									
CCB6	1.00	15:17																			X				X					
ZZZZZZ	1.00	15:20																												
ZZZZZZ	1.00	15:24																												
ZZZZZZ	1.00	15:27																												
ZZZZZZ	1.00	15:31																												
ZZZZZZ	1.00	15:35																												
ZZZZZZ	1.00	15:38																												
ZZZZZZ	1.00	15:42																												
ZZZZZZ	1.00	15:45																												
CCV7A	1.00	15:49																								X				
CCV7B	1.00	15:53																				X								
CCB7	1.00	15:56																				X				X				
ZZZZZZ	1.00	16:00																												
ZZZZZZ	1.00	16:03																												
ZZZZZZ	1.00	16:16																												
ZZZZZZ	1.00	16:19																												
ZZZZZZ	1.00	16:23																												
ICSABF	1.00	16:26																				X				X				
CCV8A	1.00	16:30																								X				
CCV8B	1.00	16:33																				X								
CCB8	1.00	16:37																				X				X				
ZZZZZZ																														
ZZZZZZ																														
ZZZZZZ																														
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U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_1 Method: P

Start Date: _____ End Date: _____

EPA Sample No.	D/F	Time	% R	Analytes
				ALBSSAABAEBEDCACRCOCUFEPBMGMNHGNIKSEAGNALTLVNZCN
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: ____________

Lab Code: ________ Case No.: ________ SAS No.: ________ SDG No.: 10809

Instrument ID Number ICP_1 Method: P

Start Date: ________ End Date: ________

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ																											
ZZZZZZ																											
ZZZZZZ																											
ZZZZZZ																											
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ZZZZZZ																											
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U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_1 Method: P

Start Date: _____ End Date: _____

EPA Sample No.	D/F	Time	% R	Analytes
				ALSBSASABAEBEDCACARCOCUEFBPGMNMGHINKSESAGNALTVNZCN
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_2 Method: P

Start Date 11/15/96 End Date 11/15/96

EPA Sample No.	D/F	Time	% R	Analytes																											
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN				
S0	1.00	0734																								X					
S1	1.00	0735																								X					
ZZZZZZ	1.00	0736																													
ZZZZZZ	1.00	0736																													
ZZZZZZ	1.00	0736																													
LRV1	1.00	0737																								X					
ZZZZZZ	1.00	0739																													
ZZZZZZ	1.00	0740																													
ZZZZZZ	1.00	0742																													
ICV	1.00	0743																								X					
ICB	1.00	0745																								X					
ZZZZZZ	1.00	0747																													
ICSAI	1.00	0748		X						X				X		X															
ICSABI	1.00	0750		X						X				X		X										X					
CCV	1.00	0752																								X					
CCB	1.00	0754																								X					
ZZZZZZ	1.00	0756																													
ZZZZZZ	1.00	0758																													
ZZZZZZ	1.00	0800																													
ZZZZZZ	1.00	0802																													
ZZZZZZ	1.00	0804																													
ZZZZZZ	1.00	0806																													
ZZZZZZ	1.00	0808																													
PBW	1.00	0811																								X					
LCSW	1.00	0813																								X					
W115F	1.00	0815																								X					
CCV	1.00	0818																								X					
CCB	1.00	0820																								X					
W115FD	1.00	0823																								X					
W115FMS	1.00	0825																								X					
W115FMSD	1.00	0828																								X					
W115FL	5.00	0830																								X					
RFIMW15	1.00	0833																								X					
FINWZ	1.00	0836																								X					
MWOOOR	1.00	0839																								X					

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U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_2 Method: P

Start Date 11/15/96 End Date: 11/15/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	0841																									
ZZZZZZ	1.00	0844																									
ZZZZZZ	1.00	0847																									
CCV	1.00	0850																									X
CCB	1.00	0853																									X
ZZZZZZ	1.00	0856																									
ZZZZZZ	1.00	0900																									
ZZZZZZ	1.00	0903																									
ZZZZZZ	1.00	0906																									
ZZZZZZ	1.00	0909																									
ZZZZZZ	1.00	0913																									
ZZZZZZ	1.00	0916																									
ZZZZZZ	1.00	0919																									
ICSAF	1.00	0923		X						X				X		X											
ICSABF	1.00	0926		X						X				X		X											X
CCV	1.00	0929																									X
CCB	1.00	0932																									X

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/14/96 End Date: 10/14/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
S0	1.00	0551				X																					
S1	1.00	0553				X																					
S2	1.00	0555				X																					
S3	1.00	0558				X																					
S4	1.00	0600				X																					
ICV	1.00	0602				X																					
ICB	1.00	0604				X																					
ZZZZZZ	1.00	0606																									
ZZZZZZ	1.00	0609																									
CCV	1.00	0611				X																					
CCB	1.00	0613				X																					
ZZZZZZ	1.00	0615																									
ZZZZZZ	1.00	0617																									
ZZZZZZ	1.00	0619																									
ZZZZZZ	1.00	0621																									
ZZZZZZ	1.00	0623																									
ZZZZZZ	1.00	0625																									
ZZZZZZ	1.00	0627																									
ZZZZZZ	1.00	0630																									
PBW	1.00	0631																									
PBWA	1.00	0634	110.4			X																					
LCSW	1.00	0636				X																					
LCSWA	1.00	0638	98.1			X																					
FINWZ	1.00	0640				X																					
FINWZA	1.00	0642	67.8			X																					
FINWZD	1.00	0644				X																					
FINWZDA	1.00	0646	65.8			X																					
FINWZMS	1.00	0648				X																					
ZZZZZZ	1.00	0650																									
FINWZMSD	1.00	0652				X																					
ZZZZZZ	1.00	0655																									
CCV	1.00	0657				X																					
CCB	1.00	0659				X																					

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/14/96 End Date: 10/14/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
MWOOOR	1.00	0701				X																					
MWOOORA	1.00	0703	88.4			X																					
ZZZZZZ	1.00	0705																									
ZZZZZZ	1.00	0707																									
ZZZZZZ	1.00	0709																									
ZZZZZZ	1.00	0711																									
ZZZZZZ	1.00	0713																									
ZZZZZZ	1.00	0715																									
ZZZZZZ	1.00	0717																									
ZZZZZZ	1.00	0720																									
ZZZZZZ	1.00	0722																									
ZZZZZZ	1.00	0724																									
ZZZZZZ	1.00	0726																									
ZZZZZZ	1.00	0728																									
ZZZZZZ	1.00	0730																									
ZZZZZZ	1.00	0733																									
ZZZZZZ	1.00	0736																									
CCV	1.00	0738				X																					
CCB	1.00	0740				X																					

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/14/96 End Date: 10/14/96

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN					
S0	1.00	1650				X																										
S1	1.00	1653				X																										
S2	1.00	1655				X																										
S3	1.00	1657				X																										
S4	1.00	1659				X																										
ICV	1.00	1702				X																										
ICB	1.00	1704				X																										
ZZZZZZ	1.00	1706																														
ZZZZZZ	1.00	1708																														
CCV	1.00	1710				X																										
CCB	1.00	1712				X																										
RFMW15	2.00	1714				X																										
RFMW15A	2.00	1716	84.3			X																										
ZZZZZZ	1.00	1718																														
ZZZZZZ	1.00	1720																														
ZZZZZZ	1.00	1722																														
ZZZZZZ	1.00	1725																														
ZZZZZZ	1.00	1727																														
ZZZZZZ	1.00	1729																														
ZZZZZZ	1.00	1731																														
ZZZZZZ	1.00	1733																														
ZZZZZZ	1.00	1735																														
ZZZZZZ	1.00	1737																														
ZZZZZZ	1.00	1739																														
ZZZZZZ	1.00	1741																														
ZZZZZZ	1.00	1743																														
ZZZZZZ	1.00	1745																														
ZZZZZZ	1.00	1747																														
ZZZZZZ	1.00	1749																														
ZZZZZZ	1.00	1751																														
CCV	1.00	1753				X																										
CCB	1.00	1755				X																										
ZZZZZZ	1.00	1757																														

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/14/96 End Date: 10/14/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALSBSAABEBEDCACRCOCUFEPBMGMNHGNIKSEAGANALTVZNSN
ZZZZZZ	1.00	1759		
ZZZZZZ	1.00	1801		
ZZZZZZ	1.00	1804		
ZZZZZZ	1.00	1806		
ZZZZZZ	1.00	1808		
ZZZZZZ	1.00	1810		
ZZZZZZ	1.00	1812		
ZZZZZZ	1.00	1814		
ZZZZZZ	1.00	1816		
ZZZZZZ	1.00	1818		
ZZZZZZ	1.00	1820		
ZZZZZZ	2.00	1822		
ZZZZZZ	2.00	1825		
ZZZZZZ	1.00	1827		
ZZZZZZ	1.00	1829		
ZZZZZZ	1.00	1831		
ZZZZZZ	1.00	1833		
ZZZZZZ	1.00	1835		
ZZZZZZ	1.00	1838		
CCV	1.00	1840		X
CCB	1.00	1842		X
ZZZZZZ	1.00	1844		
ZZZZZZ	1.00	1846		
ZZZZZZ	1.00	1848		
ZZZZZZ	1.00	1850		
ZZZZZZ	1.00	1852		
ZZZZZZ	1.00	1855		
CCV	1.00	1857		X
CCB	1.00	1859		X
ZZZZZZ	1.00	1837		
CCV	1.00	1940		X
CCB	1.00	1942		X
W115F	1.00	1944		X
W115FA	1.00	1946	86.8	X
CCV	1.00	1948		X
CCB	1.00	1950		X

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN				
S0	1.00	0515			X																									
S1	1.00	0518			X																									
S2	1.00	0520			X																									
S3	1.00	0522			X																									
ICV	1.00	0525			X																									
ICB	1.00	0527			X																									
ZZZZZZ	1.00	0529																												
ZZZZZZ	1.00	0532																												
CCV	1.00	0534			X																									
CCB	1.00	0536			X																									
ZZZZZZ	1.00	0538																												
ZZZZZZ	2.00	0541																												
ZZZZZZ	2.00	0543																												
ZZZZZZ	1.00	0545																												
ZZZZZZ	1.00	0547																												
ZZZZZZ	1.00	0550																												
ZZZZZZ	1.00	0552																												
ZZZZZZ	1.00	0554																												
ZZZZZZ	1.00	0556																												
ZZZZZZ	1.00	0559																												
ZZZZZZ	1.00	0601																												
ZZZZZZ	1.00	0603																												
ZZZZZZ	1.00	0605																												
ZZZZZZ	1.00	0608																												
ZZZZZZ	1.00	0610																												
ZZZZZZ	1.00	0612																												
CCV	1.00	0614			X																									
CCB	1.00	0617			X																									
ZZZZZZ	1.00	0619																												
ZZZZZZ	1.00	0621																												
ZZZZZZ	1.00	0623																												
ZZZZZZ	1.00	0626																												
ZZZZZZ	1.00	0628																												
ZZZZZZ	1.00	0630																												
ZZZZZZ	1.00	0632																												
ZZZZZZ	1.00	0635																												

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALSBSASBABEBCDCACRCOCUFEPBMGMNHGNIKSESAGANALTLVZNSN
ZZZZZZ	1.00	0637		
ZZZZZZ	1.00	0639		
ZZZZZZ	1.00	0641		
ZZZZZZ	1.00	0644		
ZZZZZZ	1.00	0646		
ZZZZZZ	1.00	0648		
ZZZZZZ	1.00	0651		
ZZZZZZ	1.00	0653		
CCV	1.00	0655		X
CCB	1.00	0657		X
ZZZZZZ	1.00	0700		
ZZZZZZ	2.00	0702		
ZZZZZZ	2.00	0704		
ZZZZZZ	1.00	0707		
ZZZZZZ	1.00	0709		
ZZZZZZ	1.00	0711		
ZZZZZZ	1.00	0713		
ZZZZZZ	1.00	0716		
ZZZZZZ	1.00	0718		
ZZZZZZ	1.00	0720		
ZZZZZZ	1.00	0723		
ZZZZZZ	1.00	0725		
ZZZZZZ	1.00	0727		
ZZZZZZ	1.00	0730		
ZZZZZZ	1.00	0832		
ZZZZZZ	1.00	0734		
CCV	1.00	0736		X
CCB	1.00	0739		X
ZZZZZZ	1.00	0741		
ZZZZZZ	1.00	0743		
ZZZZZZ	1.00	0745		
ZZZZZZ	1.00	0748		
ZZZZZZ	1.00	0754		
CCV	1.00	0757		X
CCB	1.00	0759		X
PBW	1.00	0801		X

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
PBWA	1.00	0803	99.9		X																					
LCSW	1.00	0806			X																					
LCSWA	1.00	0808	68.0		X																					
ZZZZZZ	1.00	0810																								
ZZZZZZ	1.00	0813																								
ZZZZZZ	1.00	0815																								
ZZZZZZ	1.00	0817																								
ZZZZZZ	1.00	0819																								
ZZZZZZ	1.00	0822																								
ZZZZZZ	1.00	0824																								
ZZZZZZ	1.00	0826																								
ZZZZZZ	2.00	0828																								
ZZZZZZ	2.00	0830																								
ZZZZZZ	1.00	0832																								
ZZZZZZ	1.00	0835																								
CCV	1.00	0837			X																					
CCB	1.00	0839			X																					
ZZZZZZ	1.00	0841																								
ZZZZZZ	1.00	0843																								
MWOOOR	1.00	0845			X																					
MWOOORA	1.00	0848	119.2		X																					
FINWZ	1.00	0850			X																					
FINWZA	1.00	0852	103.1		X																					
RFMW15	1.00	0854			X																					
RFMW15A	1.00	0857	79.5		X																					
W115F	1.00	0859			X																					
W115FA	1.00	0901	82.7		X																					
ZZZZZZ	1.00	0903																								
ZZZZZZ	1.00	0906																								
ZZZZZZ	1.00	0908																								
ZZZZZZ	1.00	0910																								
ZZZZZZ	1.00	0912																								
ZZZZZZ	1.00	0915																								
CCV	1.00	0917			X																					
CCB	1.00	0919			X																					

U.S. EPA
14
ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-2 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN			
S0	1.00	0500													X															
S1	1.00	0502													X															
S2	1.00	0504													X															
S3	1.00	0507													X															
S4	1.00	0509													X															
ICV	1.00	0511													X															
ICB	1.00	0513													X															
ZZZZZZ	1.00	0515																												
ZZZZZZ	1.00	0517																												
CCV	1.00	0519													X															
CCB	1.00	0521													X															
ZZZZZZ	1.00	0523																												
ZZZZZZ	1.00	0525																												
ZZZZZZ	1.00	0532																												
ZZZZZZ	1.00	0543																												
CCV	1.00	0545													X															
CCB	1.00	0547													X															
ZZZZZZ	1.00	0549																												
ZZZZZZ	1.00	0551																												
ZZZZZZ	1.00	0553																												
ZZZZZZ	1.00	0556																												
ZZZZZZ	1.00	0558																												
ZZZZZZ	1.00	0600																												
ZZZZZZ	1.00	0602																												
ZZZZZZ	1.00	0604																												
ZZZZZZ	1.00	0606																												
ZZZZZZ	1.00	0608																												
ZZZZZZ	1.00	0610																												
ZZZZZZ	1.00	0612																												
ZZZZZZ	1.00	0614																												
ZZZZZZ	1.00	0616																												
ZZZZZZ	1.00	0618																												
ZZZZZZ	1.00	0620																												
ZZZZZZ	1.00	0622																												
ZZZZZZ	1.00	0625																												
ZZZZZZ	1.00	0626																												

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-2 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	KI	SE	AG	NA	TL	VI	ZN	SN			
ZZZZZZ	1.00	0629																												
CCV	1.00	0631													X															
CCB	1.00	0633													X															
ZZZZZZ	1.00	0635																												
ZZZZZZ	1.00	0637																												
ZZZZZZ	1.00	0639																												
ZZZZZZ	1.00	0641																												
ZZZZZZ	1.00	0643																												
ZZZZZZ	1.00	0645																												
ZZZZZZ	1.00	0647																												
ZZZZZZ	1.00	0649																												
ZZZZZZ	1.00	0651																												
ZZZZZZ	1.00	0654																												
ZZZZZZ	1.00	0656																												
ZZZZZZ	1.00	0658																												
ZZZZZZ	1.00	0700																												
ZZZZZZ	1.00	0702																												
ZZZZZZ	1.00	0704																												
ZZZZZZ	1.00	0706																												
ZZZZZZ	1.00	0708																												
ZZZZZZ	1.00	0710																												
ZZZZZZ	1.00	0713																												
ZZZZZZ	1.00	0715																												
CCV	1.00	0717													X															
CCB	1.00	0719													X															
ZZZZZZ	1.00	0729																												
CCV	1.00	0731													X															
CCB	1.00	0733													X															
ZZZZZZ	1.00	0735																												
ZZZZZZ	1.00	0737																												
ZZZZZZ	1.00	0739																												
ZZZZZZ	1.00	0741																												
ZZZZZZ	1.00	0743																												
ZZZZZZ	1.00	0075																												
ZZZZZZ	1.00	0747																												
ZZZZZZ	1.00	0750																												

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-2 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	0752																									
ZZZZZZ	1.00	0754																									
ZZZZZZ	1.00	0756																									
ZZZZZZ	1.00	0758																									
ZZZZZZ	1.00	0800																									
ZZZZZZ	1.00	0802																									
ZZZZZZ	1.00	0804																									
ZZZZZZ	1.00	0806																									
ZZZZZZ	1.00	0807																									
ZZZZZZ	1.00	0809																									
ZZZZZZ	1.00	0811																									
ZZZZZZ	1.00	0813																									
ZZZZZZ	1.00	0815																									
ZZZZZZ	1.00	0817																									
ZZZZZZ	1.00	0819																									
ZZZZZZ	1.00	0831																									
CCV	1.00	0833												X													
CCB	1.00	0835												X													
ZZZZZZ	1.00	0842																									
CCV	1.00	0844												X													
CCB	1.00	0846												X													
ZZZZZZ	1.00	0848																									
ZZZZZZ	1.00	0850																									
ZZZZZZ	1.00	0852																									
ZZZZZZ	1.00	0855																									
ZZZZZZ	1.00	0857																									
ZZZZZZ	1.00	0859																									
ZZZZZZ	1.00	0901																									
ZZZZZZ	1.00	0903																									
ZZZZZZ	1.00	0905																									
ZZZZZZ	1.00	0907																									
ZZZZZZ	1.00	0909																									
ZZZZZZ	1.00	0911																									
ZZZZZZ	1.00	0913																									
ZZZZZZ	1.00	0915																									
ZZZZZZ	1.00	0917																									

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-2 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALBSASBABEBCDCACRCOCUFEPBMGMNHGNIKSEAGNATLVZNSN
ZZZZZZ	1.00	0919		
ZZZZZZ	1.00	0921		
ZZZZZZ	1.00	0923		
ZZZZZZ	1.00	0925		
CCV	1.00	0927		X
CCB	1.00	0929		X
ZZZZZZ	1.00	0931		
ZZZZZZ	1.00	0933		
ZZZZZZ	1.00	0935		
ZZZZZZ	1.00	0938		
ZZZZZZ	1.00	0940		
ZZZZZZ	1.00	0942		
ZZZZZZ	1.00	0944		
ZZZZZZ	1.00	0946		
ZZZZZZ	1.00	0948		
ZZZZZZ	1.00	0950		
ZZZZZZ	1.00	0952		
ZZZZZZ	1.00	0954		
ZZZZZZ	1.00	0956		
ZZZZZZ	1.00	0958		
ZZZZZZ	1.00	1000		
ZZZZZZ	1.00	1003		
ZZZZZZ	1.00	1005		
ZZZZZZ	1.00	1007		
ZZZZZZ	1.00	1009		
ZZZZZZ	1.00	1011		
CCV	1.00	1013		X
CCB	1.00	1015		X
ZZZZZZ	1.00	1017		
ZZZZZZ	1.00	1019		
ZZZZZZ	1.00	1021		
ZZZZZZ	1.00	1024		
ZZZZZZ	1.00	1026		
ZZZZZZ	1.00	1028		
ZZZZZZ	1.00	1030		
ZZZZZZ	1.00	1032		

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-2 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	1034																									
ZZZZZZ	1.00	1034																									
ZZZZZZ	1.00	1038																									
ZZZZZZ	1.00	1041																									
ZZZZZZ	1.00	1043																									
ZZZZZZ	1.00	1045																									
ZZZZZZ	1.00	1047																									
ZZZZZZ	1.00	1049																									
ZZZZZZ	1.00	1051																									
ZZZZZZ	1.00	1053																									
ZZZZZZ	1.00	1055																									
ZZZZZZ	1.00	1057																									
CCV	1.00	1059													X												
CCB	1.00	1101													X												
ZZZZZZ	1.00	1103																									
ZZZZZZ	1.00	1106																									
ZZZZZZ	1.00	1108																									
ZZZZZZ	1.00	1110																									
ZZZZZZ	1.00	1112																									
ZZZZZZ	1.00	1114																									
ZZZZZZ	1.00	1116																									
ZZZZZZ	1.00	1118																									
ZZZZZZ	1.00	1120																									
ZZZZZZ	1.00	1122																									
ZZZZZZ	1.00	1123																									
ZZZZZZ	1.00	1125																									
ZZZZZZ	1.00	1127																									
ZZZZZZ	1.00	1129																									
ZZZZZZ	1.00	1131																									
ZZZZZZ	1.00	1133																									
ZZZZZZ	1.00	1135																									
ZZZZZZ	1.00	1137																									
ZZZZZZ	1.00	1139																									
ZZZZZZ	1.00	1141																									
CCV	1.00	1143													X												
CCB	1.00	1145													X												

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-2 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALSBSASABEBCDCACRCOCUFEPBMGMNHGNIKSEAGNALTLVZNSN
ZZZZZZ	1.00	1147		
ZZZZZZ	1.00	1157		
CCV	1.00	1159		X
CCB	1.00	1201		X
ZZZZZZ	1.00	1203		
ZZZZZZ	1.00	1205		
ZZZZZZ	1.00	1207		
ZZZZZZ	1.00	1209		
ZZZZZZ	1.00	1211		
ZZZZZZ	1.00	1213		
ZZZZZZ	1.00	1215		
ZZZZZZ	1.00	1218		
ZZZZZZ	1.00	1220		
CCV	1.00	1222		X
CCB	1.00	1224		X
ZZZZZZ	1.00	1226		
ZZZZZZ	1.00	1314		
CCV	1.00	1316		X
CCB	1.00	1318		X
ZZZZZZ	1.00	1321		
ZZZZZZ	1.00	1323		
ZZZZZZ	1.00	1325		
ZZZZZZ	1.00	1327		
ZZZZZZ	1.00	1329		
ZZZZZZ	1.00	1331		
ZZZZZZ	1.00	1333		
ZZZZZZ	1.00	1335		
ZZZZZZ	1.00	1337		
ZZZZZZ	1.00	1339		
ZZZZZZ	1.00	1341		
ZZZZZZ	1.00	1344		
ZZZZZZ	1.00	1346		
ZZZZZZ	1.00	1348		
ZZZZZZ	1.00	1350		
ZZZZZZ	1.00	1352		
ZZZZZZ	1.00	1354		

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-2 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALSBSASABEBCDCACRCOCUFEPBMGMNHGNIKSEAGANITLVZNSN
ZZZZZZ	1.00	1405		
CCV	1.00	1407		X
CCB	1.00	1409		X
ZZZZZZ	1.00	1411		
ZZZZZZ	1.00	1416		
CCV	1.00	1418		X
CCB	1.00	1420		X
PBW	1.00	1422		X
PBWA	1.00	1424	105.9	X
LCSW	1.00	1426		X
LCSWA	1.00	1428	95.7	X
ZZZZZZ	1.00	1430		
ZZZZZZ	1.00	1432		
ZZZZZZ	1.00	1434		
ZZZZZZ	1.00	1437		
ZZZZZZ	1.00	1439		
ZZZZZZ	1.00	1441		
ZZZZZZ	1.00	1443		
ZZZZZZ	1.00	1445		
MWOOOR	1.00	1447		X
MWOOORA	1.00	1449	85.1	X
ZZZZZZ	1.00	1451		
ZZZZZZ	1.00	1453		
W115F	1.00	1455		X
W115FA	1.00	1457	94.3	X
ZZZZZZ	1.00	1459		
ZZZZZZ	1.00	1501		
CCV	1.00	1503		X
CCB	1.00	1505		X
ZZZZZZ	1.00	1507		
ZZZZZZ	1.00	1509		
ZZZZZZ	1.00	1511		
ZZZZZZ	1.00	1514		
ZZZZZZ	1.00	1516		
ZZZZZZ	1.00	1517		
ZZZZZZ	1.00	1520		

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-2 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
CCV	1.00	1522													X												
CCB	1.00	1524													X												
ZZZZZZ	1.00	1526																									
ZZZZZZ	1.00	1528																									
ZZZZZZ	1.00	1530																									
ZZZZZZ	1.00	1533																									
ZZZZZZ	1.00	1535																									
ZZZZZZ	1.00	1537																									
ZZZZZZ	1.00	1539																									
ZZZZZZ	1.00	1541																									
ZZZZZZ	1.00	1543																									
ZZZZZZ	1.00	1545																									
ZZZZZZ	1.00	1547																									
ZZZZZZ	1.00	1549																									
ZZZZZZ	1.00	1551																									
ZZZZZZ	1.00	1554																									
ZZZZZZ	1.00	1556																									
ZZZZZZ	1.00	1558																									
ZZZZZZ	1.00	1600																									
ZZZZZZ	1.00	1602																									
ZZZZZZ	1.00	1604																									
ZZZZZZ	1.00	1606																									
CCV	1.00	1608													X												
CCB	1.00	1610													X												
ZZZZZZ	1.00	1613																									
ZZZZZZ	1.00	1615																									
ZZZZZZ	1.00	1617																									
ZZZZZZ	1.00	1619																									
ZZZZZZ	1.00	1621																									
ZZZZZZ	1.00	1623																									
ZZZZZZ	1.00	1625																									
ZZZZZZ	1.00	1627																									
ZZZZZZ	1.00	1629																									
ZZZZZZ	1.00	1632																									
ZZZZZZ	1.00	1634																									
ZZZZZZ	1.00	1636																									

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-2 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	1638																												
ZZZZZZ	1.00	1640																												
ZZZZZZ	1.00	1642																												
ZZZZZZ	1.00	1644																												
ZZZZZZ	1.00	1646																												
ZZZZZZ	1.00	1658																												
CCV	1.00	1700													X															
CCB	1.00	1702													X															
ZZZZZZ	1.00	1704																												
ZZZZZZ	1.00	1706																												
ZZZZZZ	1.00	1708																												
ZZZZZZ	1.00	1710																												
ZZZZZZ	1.00	1712																												
ZZZZZZ	1.00	1714																												
ZZZZZZ	1.00	1716																												
ZZZZZZ	1.00	1719																												
RFMW15	5.00	1721													X															
RFMW15A	5.00	1723	91.4												X															
ZZZZZZ	1.00	1725																												
ZZZZZZ	1.00	1727																												
ZZZZZZ	1.00	1729																												
ZZZZZZ	1.00	1731																												
ZZZZZZ	1.00	1733																												
ZZZZZZ	1.00	1735																												
ZZZZZZ	1.00	1737																												
ZZZZZZ	1.00	1739																												
ZZZZZZ	1.00	1741																												
ZZZZZZ	1.00	1743																												
CCV	1.00	1745													X															
CCB	1.00	1747													X															

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/24/96 End Date: 10/24/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALBSASBABECDCACRCOCUFEPBMGMNHGINKSEAGANLTLVNZNSN
S0	1.00	0421		X
S1	1.00	0423		X
S2	1.00	0425		X
S3	1.00	0427		X
ICV	1.00	0429		X
ICB	1.00	0431		X
ZZZZZZ	1.00	0433		
ZZZZZZ	1.00	0435		
ZZZZZZ	1.00	0438		
CCV	1.00	0440		X
CCB	1.00	0442		X
ZZZZZZ	1.00	0444		
ZZZZZZ	1.00	0446		
ZZZZZZ	1.00	0448		
ZZZZZZ	1.00	0450		
ZZZZZZ	1.00	0452		
ZZZZZZ	1.00	0454		
ZZZZZZ	1.00	0456		
ZZZZZZ	1.00	0458		
ZZZZZZ	1.00	0459		
ZZZZZZ	1.00	0502		
ZZZZZZ	1.00	0503		
ZZZZZZ	1.00	0506		
ZZZZZZ	1.00	0507		
ZZZZZZ	1.00	0510		
ZZZZZZ	1.00	0511		
ZZZZZZ	1.00	0514		
ZZZZZZ	1.00	0515		
ZZZZZZ	1.00	0518		
ZZZZZZ	1.00	0519		
ZZZZZZ	1.00	0522		
CCV	1.00	0523		X
CCB	1.00	0525		X
ZZZZZZ	1.00	0527		
ZZZZZZ	1.00	0529		
ZZZZZZ	1.00	0531		

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/24/96 End Date: 10/24/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	KE	SE	AG	NA	TL	VN	ZN	SN			
ZZZZZZ	1.00	0533																												
ZZZZZZ	1.00	0535																												
ZZZZZZ	1.00	0538																												
ZZZZZZ	1.00	0539																												
ZZZZZZ	1.00	0542																												
ZZZZZZ	1.00	0544																												
ZZZZZZ	1.00	0546																												
ZZZZZZ	1.00	0548																												
ZZZZZZ	1.00	0550																												
ZZZZZZ	1.00	0552																												
ZZZZZZ	1.00	0554																												
ZZZZZZ	1.00	0556																												
ZZZZZZ	1.00	0558																												
ZZZZZZ	1.00	0600																												
ZZZZZZ	1.00	0602																												
ZZZZZZ	1.00	0604																												
ZZZZZZ	1.00	0606																												
CCV	1.00	0608																					X							
CCB	1.00	0610																					X							
ZZZZZZ	1.00	0611																												
ZZZZZZ	1.00	0613																												
ZZZZZZ	1.00	0615																												
ZZZZZZ	1.00	0617																												
ZZZZZZ	1.00	0619																												
ZZZZZZ	1.00	0621																												
ZZZZZZ	1.00	0623																												
ZZZZZZ	1.00	0625																												
ZZZZZZ	1.00	0627																												
ZZZZZZ	1.00	0629																												
ZZZZZZ	1.00	0631																												
ZZZZZZ	1.00	0633																												
ZZZZZZ	1.00	0635																												
ZZZZZZ	1.00	0637																												
ZZZZZZ	1.00	0639																												
ZZZZZZ	1.00	0641																												
ZZZZZZ	1.00	0643																												

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/24/96 End Date: 10/24/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN			
ZZZZZZ	1.00	0645																												
ZZZZZZ	1.00	0647																												
ZZZZZZ	1.00	0649																												
CCV	1.00	0651																					X							
CCB	1.00	0653																					X							
ZZZZZZ	1.00	0654																												
ZZZZZZ	1.00	0657																												
ZZZZZZ	1.00	0658																												
ZZZZZZ	1.00	0700																												
ZZZZZZ	1.00	0702																												
ZZZZZZ	1.00	0705																												
CCV	1.00	0707																					X							
CCB	1.00	0709																					X							
ZZZZZZ	1.00	0711																												
ZZZZZZ	1.00	0713																												
ZZZZZZ	1.00	0715																												
ZZZZZZ	1.00	0717																												
ZZZZZZ	1.00	0719																												
ZZZZZZ	1.00	0721																												
ZZZZZZ	1.00	0723																												
ZZZZZZ	1.00	0725																												
ZZZZZZ	1.00	0727																												
ZZZZZZ	1.00	0729																												
ZZZZZZ	1.00	0731																												
ZZZZZZ	1.00	0733																												
ZZZZZZ	1.00	0735																												
ZZZZZZ	1.00	0737																												
ZZZZZZ	1.00	0739																												
ZZZZZZ	1.00	0741																												
ZZZZZZ	1.00	0743																												
ZZZZZZ	1.00	0758																												
CCV	1.00	0800																					X							
CCB	1.00	0802																					X							
ZZZZZZ	1.00	0804																												
ZZZZZZ	1.00	0806																												
ZZZZZZ	1.00	0808																												

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/24/96 End Date: 10/24/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	0810																									
ZZZZZZ	1.00	0812																									
ZZZZZZ	1.00	0814																									
ZZZZZZ	1.00	0816																									
ZZZZZZ	1.00	0818																									
ZZZZZZ	1.00	0820																									
ZZZZZZ	1.00	0821																									
ZZZZZZ	1.00	0823																									
ZZZZZZ	1.00	0825																									
ZZZZZZ	1.00	0827																									
ZZZZZZ	1.00	0829																									
ZZZZZZ	1.00	0831																									
ZZZZZZ	1.00	0833																									
ZZZZZZ	1.00	0834																									
ZZZZZZ	1.00	0836																									
ZZZZZZ	1.00	0838																									
ZZZZZZ	1.00	0840																									
CCV	1.00	0842																					X				
CCB	1.00	0844																					X				
PBW	1.00	0846																					X				
PBWA	1.00	0848	103.3																				X				
LCSW	1.00	0850																					X				
LCSWA	1.00	0852	110.1																				X				
ZZZZZZ	1.00	0854																									
ZZZZZZ	1.00	0856																									
ZZZZZZ	1.00	0858																									
ZZZZZZ	1.00	0900																									
ZZZZZZ	1.00	0902																									
ZZZZZZ	1.00	0904																									
ZZZZZZ	1.00	0906																									
ZZZZZZ	1.00	0908																									
MWOOOR	1.00	0910																					X				
MWOOORA	1.00	0912	52.2																				X				
RFMW15	1.00	0914																					X				
RFMW15A	1.00	0916	44.2																				X				
W115F	1.00	0918																					X				

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/24/96 End Date: 10/24/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
W115FA	1.00	0920	51.8																					X			
ZZZZZZ	1.00	0922																									
ZZZZZZ	1.00	0924																									
CCV	1.00	0926																						X			
CCB	1.00	0928																						X			
ZZZZZZ	1.00	0930																									
ZZZZZZ	1.00	1015																									
CCV	1.00	1017																						X			
CCB	1.00	1019																						X			
ZZZZZZ	1.00	1021																									
ZZZZZZ	1.00	1023																									
ZZZZZZ	1.00	1025																									
ZZZZZZ	1.00	1027																									
ZZZZZZ	1.00	1029																									
ZZZZZZ	1.00	1031																									
ZZZZZZ	1.00	1033																									
ZZZZZZ	1.00	1035																									
ZZZZZZ	1.00	1037																									
ZZZZZZ	1.00	1039																									
FINWZ	5.00	1041																						X			
FINWZA	5.00	1043	77.1																					X			
FINWZD	5.00	1045																						X			
FINWZDA	5.00	1047	77.4																					X			
FINWZMS	5.00	1049																						X			
ZZZZZZ	5.00	1051																									
FINWZMSD	5.00	1053																						X			
ZZZZZZ	5.00	1055																									
ZZZZZZ	1.00	1057																									
ZZZZZZ	1.00	1059																									
CCV	1.00	1101																						X			
CCB	1.00	1103																						X			

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number PS-200 Method: AV

Start Date 09/29/96 End Date: 09/29/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
S1	1.00	2300																X									
S1	1.00	2302																X									
S2	1.00	2305																X									
S2	1.00	2307																X									
S3	1.00	2309																X									
S3	1.00	2312																X									
S4	1.00	2314																X									
S4	1.00	2316																X									
S5	1.00	2319																X									
S5	1.00	2321																X									
S6	1.00	2323																X									
S6	1.00	2326																X									
ICV	1.00	2330																X									
ICB	1.00	2332																X									
ZZZZZZ	1.00	2334																									
ZZZZZZ	1.00	2336																									
ZZZZZZ	1.00	2339																									
ZZZZZZ	1.00	2341																									
ZZZZZZ	1.00	2343																									
ZZZZZZ	1.00	2345																									
ZZZZZZ	1.00	2348																									
ZZZZZZ	1.00	2350																									
ZZZZZZ	1.00	2352																									
CCV	1.00	2354																X									
CCB	1.00	2357																X									
ZZZZZZ	1.00	2359																									
PBW	1.00	0001																X									
LCSW	1.00	0003																X									
ZZZZZZ	1.00	0006																									
ZZZZZZ	1.00	0008																									
ZZZZZZ	1.00	0010																									
ZZZZZZ	1.00	0012																									
ZZZZZZ	1.00	0015																									
ZZZZZZ	1.00	0017																									
CCV	1.00	0019																X									
CCB	1.00	0022																X									

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number PS-200 Method: AV

Start Date 09/29/96 End Date: 09/29/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	0024																									
ZZZZZZ	1.00	0026																									
ZZZZZZ	1.00	0028																									
ZZZZZZ	1.00	0031																									
MWOOOR	1.00	0033																X									
FINWZ	1.00	0035																X									
RFMW15	1.00	0038																X									
W115F	1.00	0040																X									
ZZZZZZ	1.00	0042																									
CCV	1.00	0045																X									
CCB	1.00	0047																X									

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-1 Method: F

Start Date 10/18/96 End Date: 10/18/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
S0	1.00	0959							X																		
S1	1.00	1001							X																		
S2	1.00	1002							X																		
S3	1.00	1004							X																		
ICV	1.00	1006							X																		
ICB	1.00	1008							X																		
ZZZZZZ	1.00	1010																									
ZZZZZZ	1.00	1012																									
CCV	1.00	1014							X																		
CCB	1.00	1016							X																		
ZZZZZZ	1.00	1018																									
ZZZZZZ	1.00	1020																									
CCV	1.00	1021							X																		
CCB	1.00	1023							X																		
ZZZZZZ	1.00	1025																									
ZZZZZZ	1.00	1027																									
ZZZZZZ	1.00	1029																									
ZZZZZZ	1.00	1030																									
ZZZZZZ	1.00	1032																									
ZZZZZZ	1.00	1034																									
ZZZZZZ	1.00	1036																									
ZZZZZZ	1.00	1037																									
ZZZZZZ	1.00	1039																									
ZZZZZZ	1.00	1041																									
ZZZZZZ	1.00	1043																									
ZZZZZZ	1.00	1045																									
ZZZZZZ	1.00	1046																									
ZZZZZZ	1.00	1048																									
ZZZZZZ	1.00	1050																									
ZZZZZZ	1.00	1052																									
ZZZZZZ	1.00	1053																									
ZZZZZZ	1.00	1055																									
ZZZZZZ	1.00	1057																									
ZZZZZZ	1.00	1058																									
CCV	1.00	1100							X																		
CCB	1.00	1102							X																		

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-1 Method: F

Start Date 10/18/96 End Date: 10/18/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	1104																									
ZZZZZZ	1.00	1106																									
ZZZZZZ	1.00	1107																									
ZZZZZZ	1.00	1109																									
ZZZZZZ	1.00	1111																									
ZZZZZZ	1.00	1112																									
ZZZZZZ	1.00	1114																									
ZZZZZZ	1.00	1116																									
ZZZZZZ	1.00	1118																									
ZZZZZZ	1.00	1119																									
PBW	1.00	1121							X																		
PBWA	1.00	1123	112.5						X																		
LCSW	1.00	1125							X																		
LCSWA	1.00	1127	105.5						X																		
ZZZZZZ	1.00	1128																									
ZZZZZZ	1.00	1130																									
ZZZZZZ	1.00	1132																									
ZZZZZZ	1.00	1134																									
ZZZZZZ	1.00	1136																									
ZZZZZZ	1.00	1138																									
CCV	1.00	1139							X																		
CCB	1.00	1141							X																		
ZZZZZZ	1.00	1143																									
ZZZZZZ	1.00	1145																									
MWOOOR	1.00	1147							X																		
MWOOORA	1.00	1148	105.7						X																		
ZZZZZZ	1.00	1150																									
ZZZZZZ	1.00	1152																									
ZZZZZZ	1.00	1154																									
ZZZZZZ	1.00	1156																									
ZZZZZZ	1.00	1158																									
ZZZZZZ	1.00	1200																									
ZZZZZZ	1.00	1201																									
ZZZZZZ	1.00	1203																									
ZZZZZZ	1.00	1205																									
ZZZZZZ	1.00	1207																									

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-1 Method: F

Start Date 10/18/96 End Date: 10/18/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALSB SBAS ABAE BBED CCAD CCAR CCOU CCUE FEBP MGMN MGNI HGIN KSEG ASAL NATL VZN SSN
ZZZZZZ	1.00	1209		
ZZZZZZ	1.00	1211		
ZZZZZZ	1.00	1213		
ZZZZZZ	1.00	1215		
ZZZZZZ	1.00	1216		
ZZZZZZ	1.00	1218		
CCV	1.00	1220		X
CCB	1.00	1222		X
ZZZZZZ	1.00	1224		
ZZZZZZ	1.00	1226		
ZZZZZZ	1.00	1227		
ZZZZZZ	1.00	1229		
ZZZZZZ	1.00	1231		
ZZZZZZ	1.00	1233		
ZZZZZZ	1.00	1235		
ZZZZZZ	1.00	1237		
ZZZZZZ	1.00	1238		
ZZZZZZ	1.00	1240		
ZZZZZZ	1.00	1242		
ZZZZZZ	1.00	1244		
ZZZZZZ	1.00	1246		
ZZZZZZ	1.00	1248		
ZZZZZZ	1.00	1249		
ZZZZZZ	1.00	1251		
ZZZZZZ	1.00	1253		
ZZZZZZ	1.00	1255		
ZZZZZZ	1.00	1257		
ZZZZZZ	1.00	1258		
CCV	1.00	1300		X
CCB	1.00	1302		X
ZZZZZZ	1.00	1304		
ZZZZZZ	1.00	1306		
ZZZZZZ	1.00	1307		
ZZZZZZ	1.00	1309		
ZZZZZZ	1.00	1311		
ZZZZZZ	1.00	1313		

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-1 Method: F

Start Date 10/18/96 End Date: 10/18/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	1315																									
ZZZZZZ	1.00	1317																									
ZZZZZZ	1.00	1318																									
ZZZZZZ	1.00	1331																									
CCV	1.00	1333							X																		
CCB	1.00	1335							X																		
ZZZZZZ	1.00	1337																									
ZZZZZZ	1.00	1339																									
ZZZZZZ	1.00	1340																									
ZZZZZZ	1.00	1342																									
ZZZZZZ	1.00	1344																									
ZZZZZZ	1.00	1346																									
ZZZZZZ	1.00	1347																									
ZZZZZZ	1.00	1349																									
ZZZZZZ	1.00	1351																									
ZZZZZZ	1.00	1353																									
RFMW15	5.00	1355							X																		
RFMW15A	5.00	1357	113.5						X																		
ZZZZZZ	1.00	1400																									
CCV	1.00	1402							X																		
CCB	1.00	1404							X																		
FINWZ	25.00	1405							X																		
FINWZA	25.00	1407	104.5						X																		
ZZZZZZ	1.00	1409																									
ZZZZZZ	1.00	1411																									
ZZZZZZ	1.00	1412																									
ZZZZZZ	1.00	1414																									
W115F	5.00	1416							X																		
W115FA	5.00	1418	111.1						X																		
ZZZZZZ	1.00	1420																									
ZZZZZZ	1.00	1422																									
CCV	1.00	1426							X																		
CCB	1.00	1428							X																		

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/31/96 End Date: 10/31/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
S0	1.00	1658																		X						
S1	1.00	1701																		X						
S2	1.00	1703																		X						
S3	1.00	1705																		X						
ICV	1.00	1708																		X						
ICB	1.00	1710																		X						
ZZZZZZ	1.00	1713																								
ZZZZZZ	1.00	1715																								
CCV	1.00	1717																		X						
CCB	1.00	1720																		X						
ZZZZZZ	1.00	1722																								
ZZZZZZ	1.00	1724																								
ZZZZZZ	1.00	1717																								
ZZZZZZ	1.00	1729																								
ZZZZZZ	1.00	1731																								
ZZZZZZ	1.00	1834																								
ZZZZZZ	1.00	1736																								
ZZZZZZ	1.00	1738																								
ZZZZZZ	1.00	1741																								
ZZZZZZ	1.00	1743																								
ZZZZZZ	1.00	1745																								
ZZZZZZ	1.00	1748																								
ZZZZZZ	1.00	1750																								
ZZZZZZ	1.00	1752																								
ZZZZZZ	1.00	1755																								
ZZZZZZ	1.00	1757																								
ZZZZZZ	1.00	1759																								
ZZZZZZ	1.00	1802																								
ZZZZZZ	1.00	1804																								
ZZZZZZ	1.00	1806																								
ZZZZZZ	1.00	1809																								
ZZZZZZ	1.00	1811																								
ZZZZZZ	1.00	1815																								
CCV	1.00	1817																		X						
CCB	1.00	1820																		X						
ZZZZZZ	1.00	1822																								

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/31/96 End Date: 10/31/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALSBSASABBEBCDCACRCOCUFEPBMGMNHGNIKSEAGNALTLVZNSN
ZZZZZZ	1.00	1824		
ZZZZZZ	1.00	1827		
ZZZZZZ	1.00	1829		
ZZZZZZ	1.00	1831		
ZZZZZZ	1.00	1834		
ZZZZZZ	1.00	1836		
ZZZZZZ	1.00	1839		
ZZZZZZ	1.00	1841		
ZZZZZZ	1.00	1843		
ZZZZZZ	1.00	1846		
ZZZZZZ	1.00	1848		
ZZZZZZ	1.00	1851		
ZZZZZZ	1.00	1854		
CCV	1.00	1856		X
CCB	1.00	1858		X
ZZZZZZ	1.00	1901		
ZZZZZZ	1.00	1903		
ZZZZZZ	1.00	1902		
ZZZZZZ	1.00	1908		
ZZZZZZ	1.00	1910		
ZZZZZZ	1.00	1912		
ZZZZZZ	1.00	1915		
ZZZZZZ	1.00	1917		
ZZZZZZ	1.00	1919		
ZZZZZZ	1.00	1922		
ZZZZZZ	1.00	1924		
ZZZZZZ	1.00	1926		
ZZZZZZ	1.00	1929		
ZZZZZZ	1.00	1931		
ZZZZZZ	1.00	1933		
ZZZZZZ	1.00	1936		
ZZZZZZ	1.00	1938		
ZZZZZZ	1.00	1941		
ZZZZZZ	1.00	1943		
ZZZZZZ	1.00	1945		
CCV	1.00	1948		X

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/31/96 End Date: 10/31/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	KE	SE	AG	AL	TL	VN	ZN	SN			
CCB	1.00	1950																		X									
ZZZZZZ	1.00	1952																												
ZZZZZZ	1.00	1955																												
ZZZZZZ	1.00	1957																												
ZZZZZZ	1.00	1959																												
ZZZZZZ	1.00	2002																												
ZZZZZZ	1.00	2004																												
ZZZZZZ	1.00	2006																												
ZZZZZZ	1.00	2009																												
ZZZZZZ	1.00	2011																												
ZZZZZZ	1.00	2014																												
ZZZZZZ	1.00	2016																												
ZZZZZZ	1.00	2018																												
ZZZZZZ	1.00	2024																												
ZZZZZZ	1.00	2027																												
ZZZZZZ	1.00	2030																												
CCV	1.00	2032																		X										
CCB	1.00	2034																		X										
ZZZZZZ	1.00	2037																												
ZZZZZZ	1.00	2039																												
ZZZZZZ	1.00	2041																												
ZZZZZZ	1.00	2045																												
CCV	1.00	2047																		X										
CCB	1.00	2049																		X										
ZZZZZZ	1.00	2051																												
ZZZZZZ	1.00	2054																												
ZZZZZZ	1.00	2056																												
ZZZZZZ	1.00	2058																												
ZZZZZZ	1.00	2101																												
ZZZZZZ	1.00	2103																												
ZZZZZZ	1.00	2105																												
ZZZZZZ	1.00	2107																												
ZZZZZZ	1.00	2110																												
ZZZZZZ	1.00	2112																												
ZZZZZZ	1.00	2114																												
PBW	1.00	2116																		X										

U.S. EPA
14
ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/31/96 End Date: 10/31/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
PBWA	1.00	2119	89.8																	X						
LCSW	1.00	2121																		X						
LCSWA	1.00	2124	70.5																	X						
ZZZZZZ	1.00	2126																								
ZZZZZZ	1.00	2128																								
ZZZZZZ	1.00	2130																								
ZZZZZZ	1.00	2132																								
ZZZZZZ	1.00	2135																								
CCV	1.00	2137																		X						
CCB	1.00	2139																		X						
ZZZZZZ	1.00	2141																								
ZZZZZZ	1.00	2144																								
ZZZZZZ	1.00	2146																								
ZZZZZZ	1.00	2148																								
ZZZZZZ	1.00	2150																								
ZZZZZZ	1.00	2152																								
ZZZZZZ	1.00	2154																								
ZZZZZZ	1.00	2157																								
ZZZZZZ	1.00	2159																								
ZZZZZZ	1.00	2201																								
ZZZZZZ	1.00	2203																								
ZZZZZZ	1.00	2205																								
ZZZZZZ	1.00	2208																								
ZZZZZZ	1.00	2210																								
ZZZZZZ	1.00	2212																								
ZZZZZZ	1.00	2215																								
ZZZZZZ	1.00	2217																								
ZZZZZZ	1.00	2225																								
ZZZZZZ	1.00	2228																								
ZZZZZZ	1.00	2237																								
CCV	1.00	2239																		X						
CCB	1.00	2241																		X						
ZZZZZZ	1.00	2244																								
ZZZZZZ	1.00	2248																								
CCV	1.00	2251																		X						
CCB	1.00	2253																		X						

U.S. EPA
14
ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/31/96 End Date: 10/31/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	2255																									
ZZZZZZ	1.00	2258																									
ZZZZZZ	1.00	2300																									
ZZZZZZ	1.00	2302																									
ZZZZZZ	1.00	2305																									
ZZZZZZ	1.00	2307																									
ZZZZZZ	1.00	2309																									
ZZZZZZ	1.00	2312																									
FINWZ	5.00	2314																			X						
FINWZA	5.00	2316	64.5																		X						
FINWZD	5.00	2319																			X						
FINWZDA	5.00	2321	68.8																		X						
FINWZMS	5.00	2323																			X						
ZZZZZZ	5.00	2326																									
FINWZMSD	5.00	2328																			X						
ZZZZZZ	5.00	2330																									
W115F	5.00	2333																			X						
W115FA	5.00	2335	93.1																		X						
MWOOOR	1.00	2337																			X						
MWOOORA	1.00	2340	40.7																		X						
CCV	1.00	2342																			X						
CCB	1.00	2344																			X						
ZZZZZZ	1.00	2346																									
ZZZZZZ	1.00	2349																									
ZZZZZZ	1.00	2351																									
ZZZZZZ	1.00	2354																									
ZZZZZZ	1.00	2356																									
ZZZZZZ	1.00	2358																									
ZZZZZZ	1.00	0001																									
CCV	1.00	0003																			X						
CCB	1.00	0005																			X						
RFMW15	5.00	0007																			X						
RFMW15A	5.00	0010	92.3																		X						
ZZZZZZ	1.00	0012																									
ZZZZZZ	1.00	0015																									
ZZZZZZ	1.00	0017																									

U.S. EPA
14
ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/31/96 End Date: 10/31/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALSBSASABABEBCDCACRCOCUFEPBMGMNHGNIKSESAGNALTLVZNSN
ZZZZZZ	1.00	0019		
ZZZZZZ	1.00	0023		
CCV	1.00	0025		X
CCB	1.00	0027		X

VERIFICATION OF INSTRUMENT PARAMETERS

U.S. EPA
10
METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_1 Date: 02/24/96

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum	308.22		200.0	64.4	P
Antimony	217.59		100.0	42.3	P
Arsenic					
Barium	455.40		20.0	3.4	P
Beryllium	313.04		5.0	2.4	P
Cadmium	226.50		20.0	8.7	P
Calcium					
Chromium	267.72		20.0	8.5	P
Cobalt	228.62		20.0	12.5	P
Copper	324.75		10.0	8.2	P
Iron	259.94		100.0	39.1	P
Lead	220.35		100.0	89.6	P
Magnesium	279.08		100.0	25.5	P
Manganese	257.61		10.0	5.4	P
Mercury					
Nickel	213.61		20.0	14.0	P
Potassium					
Selenium					
Silver	328.06		10.0	4.9	P
Sodium					
Thallium	190.86		150.0	67.1	P
Vanadium	292.40		20.0	11.9	P
Zinc	213.86		30.0	5.3	P

Comments:

U.S. EPA
10
METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_2 Date: 01/19/96

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum	396.15		200.0	18.9	P
Antimony	206.83		100.0	9.9	P
Arsenic	193.70		200.0	14.4	P
Barium	233.53		20.0	0.8	P
Beryllium	313.04		5.0	0.3	P
Cadmium	214.44		20.0	0.8	P
Calcium	315.89		500.0	280.0	P
Chromium	267.72		20.0	1.8	P
Cobalt	238.89		20.0	0.8	P
Copper	324.75		20.0	6.2	P
Iron	234.35		100.0	43.5	P
Lead	220.35		100.0	4.5	P
Magnesium	279.08		500.0	7.5	P
Manganese	257.61		10.0	3.6	P
Mercury					
Nickel	231.60		20.0	1.1	P
Potassium	766.49		1000.0	57.0	P
Selenium	196.03		400.0	3.9	P
Silver	328.07		20.0	2.5	P
Sodium	330.24		1000.0	788.0	P
Thallium	190.80		150.0	16.3	P
Vanadium	292.40		20.0	2.1	P
Zinc	213.86		30.0	5.2	P
Tin			10.0	0.1	P

Comments:

U.S. EPA
10
METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_3 Date: 03/13/96

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum	308.22		200.0	82.8	P
Antimony			100.0	57.9	P
Arsenic	193.76		200.0	171.0	P
Barium	455.40		20.0	8.6	P
Beryllium	313.04		5.0	1.2	P
Cadmium	226.50		20.0	4.2	P
Calcium	317.93		500.0	261.0	P
Chromium	267.72		20.0	7.7	P
Cobalt	238.89		20.0	8.7	P
Copper	324.75		20.0	10.8	P
Iron	239.56		100.0		P
Lead	220.36		100.0	84.5	P
Magnesium	279.08		500.0	7.5	P
Manganese	259.37		10.0	3.6	P
Mercury					
Nickel	231.61		20.0	1.1	P
Potassium	766.49		1000.0	57.0	P
Selenium	196.09		400.0	3.9	P
Silver	328.07		20.0	2.5	P
Sodium	589.60		1000.0	788.0	P
Thallium	351.92		150.0	16.3	P
Vanadium	292.40		20.0	2.1	P
Zinc	213.86		30.0	5.2	P

Comments:

U.S. EPA

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METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: _____ Date: 03/13/96

Flame AA ID Number: GFAA-3

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum					
Antimony					
Arsenic	193.76		10.0	0.9	F
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Comments:

U.S. EPA

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METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: _____ Date: 03/13/96

Flame AA ID Number: GFAA-4

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum					
Antimony	217.60		10.0	2.6	F
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium			10.0	3.4	F
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Comments:

U.S. EPA

10

METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: _____ Date: 03/13/96

Flame AA ID Number: GFAA-1

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium			5.0	0.9	F
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Comments:

U.S. EPA

10

METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: _____ Date: 03/13/96

Flame AA ID Number: GFAA-2

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead	283.30		10.0	1.5	F
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Comments:

U.S. EPA

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METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: _____ Date: 03/13/96

Flame AA ID Number: PS-200

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury			5.0	0.1	AV
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Comments:

U.S. EPA

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

ICP ID Number: ICP_1 Date: 03/18/95

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	
Aluminum	308.22	0.0000000		0.0000000	0.0000000	
Antimony	217.59	0.0010797		0.0001961	0.0000000	
Arsenic						
Barium	455.40	0.0000000		0.0000000	0.0000000	
Beryllium	313.04	0.0000000		0.0000000	0.0000000	
Cadmium	226.50	0.0000000		0.0003734	0.0000000	
Calcium						
Chromium	267.72	0.0000000		0.0000000	0.0000466	
Cobalt	228.62	0.0000000		0.0000000	0.0000000	
Copper	324.75	0.0000000		0.0000000	0.0000000	
Iron	259.94	-0.0007890		0.0000000	0.0000000	
Lead	220.35	0.0000000		0.0000257	0.0000000	
Magnesium	279.08	0.0000000		0.0000000	0.0000000	
Manganese	257.61	0.0000000		0.0000000	0.0000000	
Mercury						
Nickel	231.61	0.0000000		0.0000000	0.0000250	
Potassium						
Selenium						
Silver	328.07	0.0000000		-0.0001005	0.0000000	
Sodium						
Thallium	190.86	0.0000000		0.0000000	0.0000000	
Vanadium	292.40	0.0000000		0.0000000	0.0000000	
Zinc	213.86	0.0000000		0.0001309	0.0000000	

Comments:

U.S. EPA

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

ICP ID Number: ICP_3 Date: 01/15/96

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg
Aluminum	308.15	0.0000000	0.0012945	0.0000000	0.0006107
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.70	-0.0006321	0.0000000	0.0000000	0.0000000
Barium	233.53	0.0000000	0.0000340	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0001644	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0016901	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0001000
Cobalt	238.89	0.0000000	0.0000000	0.0007200	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000
Iron	234.35	0.0003101	0.0000000	0.0000000	0.0024548
Lead	220.35	0.0001136	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000
Mercury					
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0007006	0.0004158	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.24	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.86	0.0001385	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

ICP ID Number: ICP_2 Date: 04/09/96

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000010	-0.0000010	0.0000000	-0.0000050
Arsenic	193.70	0.0000430	0.0000000	0.0000000	-0.0000290
Barium	233.53	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	-0.0000500	0.0000280	0.0000990	0.0004470
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000030	0.0000000	0.0000000
Cobalt	238.89	0.0000000	0.0000000	0.0007660	0.0001320
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000
Iron	234.35	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000060	0.0000000	0.0000110	0.0000000
Magnesium	279.08	0.0000000	0.0000000	-0.0000640	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000
Mercury					
Nickel	231.60	0.0000000	0.0000000	0.0000100	0.0000090
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	0.0000000	-0.0000080	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.24	-0.0000030	-0.0000100	-0.0000110	-0.0000540
Thallium	190.80	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000250	0.0000000	0.0010240	0.0000000
Zinc	213.86	0.0000000	0.0000000	0.0005840	0.0000000

Comments:

U.S. EPA
11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: _____ Date: _____

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
Aluminum	308.22					
Antimony	217.59					
Arsenic						
Barium	455.40					
Beryllium	313.04					
Cadmium	226.50					
Calcium						
Chromium	267.72					
Cobalt	228.62					
Copper	324.75					
Iron	259.94					
Lead	220.35					
Magnesium	279.08					
Manganese	257.61					
Mercury						
Nickel	231.61					
Potassium						
Selenium						
Silver	328.07					
Sodium						
Thallium	190.86					
Vanadium	292.40					
Zinc	213.86					

Comments:

U.S. EPA

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

ICP ID Number: ICP_2 Date: 04/09/96

Analyte	Wave-length (nm)	Interelement Correction Factors for: CO	PB			
Aluminum	396.15	0.0000000	0.0000000			
Antimony	206.83	0.0000020	-0.0000090			
Arsenic	193.70	0.0000000	-0.0000010			
Barium	233.53	0.0000000	-0.0000010			
Beryllium	313.04	-0.0000830	0.0124700			
Cadmium	214.44	0.0000000	-0.0000010			
Calcium	315.89	0.0024700	0.0000000			
Chromium	267.72	0.0000000	0.0000180			
Cobalt	238.89	0.0000000	0.0003650			
Copper	324.75	0.0000000	-0.0000010			
Iron	234.35	0.0000000	-0.0000230			
Lead	220.35	0.0003650	0.0000000			
Magnesium	279.08	-0.0000930	0.0000110			
Manganese	257.61	0.0000000	0.0000000			
Mercury						
Nickel	231.60	0.0000000	-0.0000120			
Potassium	766.49	0.0000000	0.0000010			
Selenium	196.03	0.0000000	0.0000000			
Silver	328.07	0.0000000	0.0000010			
Sodium	330.24	0.0000390	-0.0000054			
Thallium	190.80	0.0000000	-0.0000030			
Vanadium	292.40	-0.0000010	0.0000000			
Zinc	213.86	0.0000000	-0.0000019			

Comments:

U.S. EPA

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_3 Date: 01/15/96

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc						

Comments:

U.S. EPA
12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_1 Date: 08/20/96

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	5.00	500000.0	P
Antimony	5.00	20000.0	P
Arsenic			
Barium	5.00	20000.0	P
Beryllium	5.00	20000.0	P
Cadmium	5.00	20000.0	P
Calcium			
Chromium	5.00	20000.0	P
Cobalt	5.00	20000.0	P
Copper	5.00	20000.0	P
Iron	5.00	200000.0	P
Lead	5.00	20000.0	P
Magnesium	5.00	500000.0	P
Manganese	5.00	20000.0	P
Mercury			
Nickel	5.00	20000.0	P
Potassium			
Selenium			
Silver	5.00	20000.0	P
Sodium			
Thallium	5.00	20000.0	P
Vanadium	5.00	20000.0	P
Zinc	5.00	20000.0	P

Comments:

U.S. EPA
12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

ICP ID Number: ICP_2 Date: 05/31/96

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	P
Aluminum	5.00	500000.0	P
Antimony	5.00	50000.0	P
Arsenic	5.00	50000.0	P
Barium	5.00	20000.0	P
Beryllium	5.00	20000.0	P
Cadmium	5.00	20000.0	P
Calcium	5.00	500000.0	P
Chromium	5.00	50000.0	P
Cobalt	5.00	50000.0	P
Copper	5.00	50000.0	P
Iron	5.00	300000.0	P
Lead	5.00	50000.0	P
Magnesium	5.00	500000.0	P
Manganese	5.00	20000.0	P
Mercury			
Nickel	5.00	50000.0	P
Potassium	5.00	50000.0	P
Selenium	5.00	50000.0	PP
Silver	5.00	10000.0	P
Sodium	5.00	50000.0	P
Thallium	5.00	50000.0	P
Vanadium	5.00	50000.0	P
Zinc	5.00	50000.0	P

Comments:

U.S. EPA
12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_3 Date: 07/20/96

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	5.00	500000.0	P
Antimony	5.00	20000.0	P
Arsenic	5.00	20000.0	P
Barium	5.00	20000.0	P
Beryllium	5.00	20000.0	P
Cadmium	5.00	20000.0	P
Calcium	5.00	500000.0	P
Chromium	5.00	20000.0	P
Cobalt	5.00	20000.0	P
Copper	5.00	20000.0	P
Iron	5.00	200000.0	P
Lead	5.00	20000.0	P
Magnesium	5.00	500000.0	P
Manganese	5.00	20000.0	P
Mercury			
Nickel	5.00	20000.0	P
Potassium	5.00	100000.0	P
Selenium	5.00	20000.0	P
Silver	5.00	10000.0	P
Sodium	5.00	100000.0	P
Thallium	5.00	20000.0	P
Vanadium	5.00	20000.0	P
Zinc	5.00	20000.0	P

Comments:

RAW DATA

ICP

Sample Information Detail Report
Document Name: EPA_6010

File Description
Default Sample Informatio

Parameters Common To All Samples

Batch ID	p1875
Analyst Name	LSS
Volume Units	mL
Weight Units	g

L Schroeder 11-15-96
ANALYST Date

REVIEW Date

DATA ENTRY Date

AB630-80H AB630-55E
I.S. Lot #: 81AB78G ICS Lot #: 54F
ICV Lot #: AB630-81 C CCV Lot #: AB630-81 C
LCS & MS/MSD Lot #: 69913

Parameters That Vary With All Samples

	A/S Location	Sample ID	Initial Sample Wt.	Initial Sample Vol.
001	2	LRV1		1
002	3	LRV2		1
003	4	LRV3		1
004	5	LRV4		1
005	9	ICVA		1
006	10	ICB		1
007	11	CRII		1
008	12	ICSAI		1
009	13	ICSABI		1
010	14	CCVA1		1
011	15	CCB1		1
012	16	PBW:14912		100
013	17	LCS:14912		100
014	18	11383-2		100
015	19	11383-2D		100
016	20	11383-2MS		100
017	21	11383-2MD		100
018	22	11383-2L		100
019	23	PBW:14751		100
020	24	LCS:14751		100
021	25	10809-5		100
022	26	CCV2		1
023	27	CCB2		1
024	28	10809-5D		100
025	29	10809-5MS		100
026	30	10809-5MD		100
027	31	10809-5L		100
028	32	10809-4		100
029	33	10809-3		100
030	34	10809-1		100
031	35	RW		1
032	36	RWLCS		1
033	37	RWMS		1
034	38	CCV3		1
035	39	CCB3		1
036	40	RWMD		1
037	41	10809-3		1
038	42	10809-3D		1
039	43	10809-3L		1
040	44	10809-1		1
041	45	10809-4		1
042	46	10809-5		1
043	47	CRI		1
044	48	ICSA		1
045	49	ICSAB		1
046	50	CCV4		1
047	51	CCB4		1
048	52	PBW:15172		100

049	53	LCS:15172	100
050	54	12573-3	100
051	55	12573-3D	100
052	56	12573-4MS	100
053	57	12573-5MD	100
054	58	12573-3L	100
055	59	12573-1	100
056	60	12573-2	100
057	61	CCV5	1
058	62	CCB5	1
059	63	CRI	1
060	64	ICSA	1
061	65	ICSAB	1
062	66	CCV6	1
063	67	CCB6	1

	Sample Prep. Vol.	Aliquot Volume	Diluted To Vol.	* Sample Units
001	1			mg/L
002	1			mg/L
003	1			mg/L
004	1			mg/L
005	1			mg/L
006	1			mg/L
007	1			mg/L
008	1			mg/L
009	1			mg/L
010	1			mg/L
011	1			mg/L
012	100			mg/L
013	100			mg/L
014	100			mg/L
015	100			mg/L
016	100			mg/L
017	100			mg/L
018	100	1	5	mg/L
019	100			mg/L
020	100			mg/L
021	100			mg/L
022	1			mg/L
023	1			mg/L
024	100			mg/L
025	100			mg/L
026	100			mg/L
027	100	1	5	mg/L
028	100			mg/L
029	100			mg/L
030	100			mg/L
031	1			mg/L
032	1			mg/L
033	1			mg/L
034	1			mg/L
035	1			mg/L
036	1			mg/L
037	1			mg/L
038	1			mg/L
039	1	1	5	mg/L
040	1			mg/L
041	1			mg/L
042	1			mg/L
043	1			mg/L
044	1			mg/L

045	1			mg/L
046	1			mg/L
047	1			mg/L
048	100			mg/L
049	100			mg/L
050	100			mg/L
051	100			mg/L
052	100			mg/L
053	100			mg/L
054	100	1	5	mg/L
055	100			mg/L
056	100			mg/L
057	1			mg/L
058	1			mg/L
059	1			mg/L
060	1			mg/L
061	1			mg/L
062	1			mg/L
063	1			mg/L

	User Defined 1...
001	
002	
003	
004	
005	
006	
007	
008	
009	
010	
011	
012	14912
013	14912
014	14912
015	14912
016	14912
017	14912
018	14912
019	14751
020	14751
021	14751
022	
023	
024	14751
025	14751
026	14751
027	14751
028	14751
029	14751
030	14751
031	111596DI
032	111596DI
033	111596DI
034	
035	
036	111596DI
037	111596DI
038	111596DI
039	111596DI
040	111596DI

Method: EPA_6010M IEC: 111296.iec MSF:
Results: P1875RE1 Spectra Stored: Yes Method Stored: Yes
Sample Info: cbw User: User1 Date: 11/18/96 7:33:46 AM
Method Description: EPA_6010

Replicate Data
ID: IS Init Date: 11/18/96 7:33:48 AM

Repl#	Element	Net Intensity	Corrected Intensity
1	Y 324.228	370113.5	370113.5
2	Y 324.228	369506.2	369506.2

Mean Data
ID: IS Init Seq. No.: 1 A/S Pos: 0
Data: Reprocessed Date: 11/18/96 7:33:48 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD
Y 324.228	369809.8	429.44	0.12%

Replicate Data
ID: Calib Blank 1 Date: 11/18/96 7:34:56 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Y 324.228	369139.6	369139.6	0.998	mg/L
1	Ag 328.068	80.9	81.1	0	mg/L
1	Al 308.215	166.1	166.4	0	mg/L
1	As 193.696	6.3	6.3	0	mg/L
1	B 249.773	179.2	179.5	0	mg/L
1	Ba 233.527	-8.5	-8.5	0	mg/L
1	Be 313.042	564.2	565.3	0	mg/L
1	Ca 315.887	-30.0	-30.0	0	mg/L
1	Cd 214.438	140.2	140.5	0	mg/L
1	Co 238.892	-51.0	-51.1	0	mg/L
1	Cr 267.716	749.4	750.7	0	mg/L
1	Cu 324.754	1670.4	1673.5	0	mg/L
1	Fe 234.349	477.2	478.1	0	mg/L
1	K 766.491	-8196.1	-8211.0	0	mg/L
1	Mo 202.030	-3.1	-3.1	0	mg/L
1	Mn 257.610	63.4	63.5	0	mg/L
1	Mg 279.079	2.3	2.3	0	mg/L
1	Ni 231.604	-3.4	-3.4	0	mg/L
1	Pb 220.353	26.6	26.7	0	mg/L
1	Sn 189.933	4.9	4.9	0	mg/L
1	Se 196.026	9.7	9.7	0	mg/L
1	Sb 206.833	25.4	25.4	0	mg/L
1	V 292.402	-133.1	-133.4	0	mg/L
1	Tl 190.800	-28.0	-28.1	0	mg/L
1	Zn 213.856	480.8	481.6	0	mg/L
1	Na 330.237	446.3	447.1	0	mg/L
1	Sr 407.771	2015.6	2019.3	0	mg/L
1	K 404.721	3989.5	3996.7	0	mg/L
2	Y 324.228	369996.5	369996.5	1.001	mg/L
2	Ag 328.068	89.5	89.5	0	mg/L
2	Al 308.215	161.1	161.0	0	mg/L
2	As 193.696	7.6	7.6	0	mg/L
2	B 249.773	187.7	187.6	0	mg/L
2	Ba 233.527	-9.8	-9.8	0	mg/L
2	Be 313.042	540.3	540.1	0	mg/L
2	Ca 315.887	-10.0	-10.0	0	mg/L
2	Cd 214.438	137.0	136.9	0	mg/L
2	Co 238.892	-49.4	-49.4	0	mg/L
2	Cr 267.716	749.2	748.9	0	mg/L
2	Cu 324.754	1664.6	1663.8	0	mg/L
2	Fe 234.349	477.2	477.0	0	mg/L
2	K 766.491	-8121.3	-8117.2	0	mg/L
2	Mo 202.030	-4.4	-4.4	0	mg/L
2	Mn 257.610	54.7	54.6	0	mg/L

2	Mg 279.079	5.8	5.8	0 mg/L
2	Ni 231.604	-0.1	-0.1	0 mg/L
2	Pb 220.353	29.8	29.8	0 mg/L
2	Sn 189.933	8.2	8.2	0 mg/L
2	Se 196.026	18.9	18.9	0 mg/L
2	Sb 206.833	24.4	24.4	0 mg/L
2	V 292.402	-116.2	-116.1	0 mg/L
2	Tl 190.800	-21.0	-21.0	0 mg/L
2	Zn 213.856	483.5	483.2	0 mg/L
2	Na 330.237	449.2	449.0	0 mg/L
2	Sr 407.771	1932.0	1931.0	0 mg/L
2	K 404.721	4035.4	4033.3	0 mg/L

Mean Data

ID: Calib Blank 1 Seq. No.: 2 A/S Pos: 0
Data: Reprocessed Date: 11/18/96 7:34:56 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 324.228	369568.0	605.92	0.16%	0.999	mg/L
Ag 328.068	85.3	5.97	7.00%	0	mg/L
Al 308.215	163.7	3.81	2.32%	0	mg/L
As 193.696	6.9	0.90	12.95%	0	mg/L
B 249.773	183.6	5.72	3.12%	0	mg/L
Ba 233.527	-9.1	0.92	10.11%	0	mg/L
Be 313.042	552.7	17.80	3.22%	0	mg/L
Ca 315.887	-20.0	14.17	70.85%	0	mg/L
Cd 214.438	138.7	2.53	1.82%	0	mg/L
Co 238.892	-50.2	1.21	2.42%	0	mg/L
Cr 267.716	749.8	1.31	0.18%	0	mg/L
Cu 324.754	1668.6	6.87	0.41%	0	mg/L
Fe 234.349	477.5	0.79	0.16%	0	mg/L
K 766.491	-8164.1	66.27	0.81%	0	mg/L
Mo 202.030	-3.8	0.93	24.66%	0	mg/L
Mn 257.610	59.1	6.27	10.62%	0	mg/L
Mg 279.079	4.0	2.42	59.69%	0	mg/L
Ni 231.604	-1.7	2.34	136.28%	0	mg/L
Pb 220.353	28.2	2.22	7.86%	0	mg/L
Sn 189.933	6.5	2.29	35.14%	0	mg/L
Se 196.026	14.3	6.55	45.80%	0	mg/L
Sb 206.833	24.9	0.74	2.96%	0	mg/L
V 292.402	-124.7	12.19	9.77%	0	mg/L
Tl 190.800	-24.5	5.03	20.53%	0	mg/L
Zn 213.856	482.4	1.12	0.23%	0	mg/L
Na 330.237	448.1	1.35	0.30%	0	mg/L
Sr 407.771	1975.2	62.40	3.16%	0	mg/L
K 404.721	4015.0	25.88	0.64%	0	mg/L

Calibration Standard disproportionate. Check Std. Conc. and reanalyze element: K 404.721

Replicate Data

ID: Calib Std 1 Date: 11/18/96 7:35:51 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Y 324.228	367203.8	367203.8	0.993	mg/L
1	Ag 328.068	21481.9	21634.4	0.50000	mg/L
1	As 193.696	193.9	195.3	0.50000	mg/L
1	B 249.773	24895.5	25072.2	1.00000	mg/L
1	Ba 233.527	32111.5	32339.4	1.00000	mg/L
1	Cd 214.438	15043.9	15150.7	0.50000	mg/L
1	Co 238.892	23575.3	23742.6	1.00000	mg/L
1	Cr 267.716	58706.5	59123.2	1.00000	mg/L
1	Mo 202.030	5131.2	5167.6	1.00000	mg/L
1	Mn 257.610	186618.0	187942.5	1.00000	mg/L
1	Ni 231.604	6882.7	6931.6	1.00000	mg/L
1	Pb 220.353	2442.9	2460.2	1.00000	mg/L
1	Sn 189.933	1246.1	1254.9	1.00000	mg/L
1	Sb 206.833	866.2	872.4	1.00000	mg/L
1	Tl 190.800	492.9	496.4	0.50000	mg/L
2	Y 324.228	367971.2	367971.2	0.995	mg/L
2	Ag 328.068	21594.9	21702.8	0.50000	mg/L
2	As 193.696	193.6	194.5	0.50000	mg/L
2	B 249.773	25028.8	25153.9	1.00000	mg/L
2	Ba 233.527	32040.5	32200.6	1.00000	mg/L

2	Cd 214.438	14947.8	15022.5	0.50000 mg/L
2	Co 238.892	23603.3	23721.3	1.00000 mg/L
2	Cr 267.716	58645.4	58938.5	1.00000 mg/L
2	Mo 202.030	5155.7	5181.5	1.00000 mg/L
2	Mn 257.610	186446.9	187378.6	1.00000 mg/L
2	Ni 231.604	6872.7	6907.0	1.00000 mg/L
2	Pb 220.353	2455.4	2467.7	1.00000 mg/L
2	Sn 189.933	1250.5	1256.7	1.00000 mg/L
2	Sb 206.833	861.0	865.3	1.00000 mg/L
2	Tl 190.800	488.5	490.9	0.50000 mg/L

Mean Data ----------
ID: Calib Std 1 Seq. No.: 3 A/S Pos: 0
Data: Reprocessed Date: 11/18/96 7:35:51 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 324.228	367587.5	542.63	0.15%	0.994	mg/L
Ag 328.068	21668.6	48.39	0.22%	0.50000	mg/L
As 193.696	194.9	0.52	0.27%	0.50000	mg/L
B 249.773	25113.0	57.78	0.23%	1.00000	mg/L
Ba 233.527	32270.0	98.11	0.30%	1.00000	mg/L
Cd 214.438	15086.6	90.67	0.60%	0.50000	mg/L
Co 238.892	23731.9	15.08	0.06%	1.00000	mg/L
Cr 267.716	59030.8	130.61	0.22%	1.00000	mg/L
Mo 202.030	5174.6	9.82	0.19%	1.00000	mg/L
Mn 257.610	187660.5	398.74	0.21%	1.00000	mg/L
Ni 231.604	6919.3	17.35	0.25%	1.00000	mg/L
Pb 220.353	2464.0	5.29	0.21%	1.00000	mg/L
Sn 189.933	1255.8	1.25	0.10%	1.00000	mg/L
Sb 206.833	868.9	4.99	0.57%	1.00000	mg/L
Tl 190.800	493.7	3.87	0.78%	0.50000	mg/L

Replicate Data ----------
ID: Calib Std 2 Date: 11/18/96 7:36:14 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Y 324.228	355068.8	355068.8	0.960	mg/L
1	K 766.491	7038648.7	7330865.1	25.00000	mg/L
1	Na 330.237	6959.1	7248.0	25.00000	mg/L
1	K 404.721	1346.1	1402.0	25.00000	mg/L
2	Y 324.228	353983.7	353983.7	0.957	mg/L
2	K 766.491	7016423.0	7330118.3	25.00000	mg/L
2	Na 330.237	6839.7	7145.4	25.00000	mg/L
2	K 404.721	1305.1	1363.4	25.00000	mg/L

Mean Data ----------
ID: Calib Std 2 Seq. No.: 4 A/S Pos: 0
Data: Reprocessed Date: 11/18/96 7:36:14 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 324.228	354526.3	767.30	0.22%	0.959	mg/L
K 766.491	7330491.7	528.06	0.01%	25.00000	mg/L
Na 330.237	7196.7	72.52	1.01%	25.00000	mg/L
K 404.721	1382.7	27.26	1.97%	25.00000	mg/L

Calibration Standard disproportionate. Check Std. Conc. and reanalyze element: K 404.721

Replicate Data ----------
ID: Calib Std 3 Date: 11/18/96 7:36:29 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Y 324.228	329626.0	329626.0	0.891	mg/L
1	Al 308.215	156550.2	175634.8	50.00000	mg/L
1	Ca 315.887	3217646.4	3609901.8	250.00000	mg/L
1	Fe 234.349	525736.1	589827.3	50.00000	mg/L
1	Mg 279.079	94070.7	105538.6	50.00000	mg/L
2	Y 324.228	329299.3	329299.3	0.890	mg/L
2	Al 308.215	156678.1	175952.7	50.00000	mg/L
2	Ca 315.887	3224366.8	3621029.3	250.00000	mg/L

2 Fe 234.349	525961.5	590665.4	50.00000	mg/L
2 Mg 279.079	94103.1	105679.6	50.00000	mg/L

M[redacted] Data
I[redacted] Calib Std 3 Seq. No.: 5 A/S Pos: 0
Data: Reprocessed Date: 11/18/96 7:36:29 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 324.228	329462.6	230.95	0.07%	0.891	mg/L
Al 308.215	175793.8	224.77	0.13%	50.00000	mg/L
Ca 315.887	3615465.6	7868.34	0.22%	250.00000	mg/L
Fe 234.349	590246.4	592.68	0.10%	50.00000	mg/L
Mg 279.079	105609.1	99.70	0.09%	50.00000	mg/L

Replicate Data
ID: Calib Std 4 Date: 11/18/96 7:36:50 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Y 324.228	363563.4	363563.4	0.983	mg/L
1	Be 313.042	494288.1	502780.5	0.50000	mg/L
1	Cu 324.754	125904.5	128067.6	1.0000	mg/L
1	Se 196.026	956.2	972.6	1.0000	mg/L
1	V 292.402	61357.7	62411.9	1.0000	mg/L
1	Zn 213.856	45344.8	46123.9	1.0000	mg/L
2	Y 324.228	365791.3	365791.3	0.989	mg/L
2	Be 313.042	494551.3	499984.4	0.50000	mg/L
2	Cu 324.754	127303.8	128702.3	1.0000	mg/L
2	Se 196.026	951.6	962.1	1.0000	mg/L
2	V 292.402	61732.2	62410.4	1.0000	mg/L
2	Zn 213.856	45397.8	45896.6	1.0000	mg/L

Mean Data
ID: Calib Std 4 Seq. No.: 6 A/S Pos: 0
Data: Reprocessed Date: 11/18/96 7:36:50 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 324.228	364677.4	1575.33	0.43%	0.986	mg/L
Be 313.042	501382.4	1977.16	0.39%	0.50000	mg/L
Cu 324.754	128385.0	448.80	0.35%	1.0000	mg/L
Se 196.026	967.4	7.45	0.77%	1.0000	mg/L
V 292.402	62411.2	1.09	0.00%	1.0000	mg/L
Zn 213.856	46010.2	160.76	0.35%	1.0000	mg/L

Replicate Data
ID: LRV1 Date: 11/18/96 7:37:57 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units	Sample Conc.	Units
1	Y 324.228	363437.9	363437.9	0.983	mg/L		
1	Ag 328.068	21171.9	21543.1	0.49709	mg/L	0.49709	mg/L
1	Al 308.215	396.9	403.8	0.07051	mg/L	0.07051	mg/L
1	As 193.696	194.3	197.7	0.50527	mg/L	0.50527	mg/L
1	B 249.773	24807.3	25242.3	1.0052	mg/L	1.0052	mg/L
1	Ba 233.527	31414.0	31964.7	0.99054	mg/L	0.99054	mg/L
1	Be 313.042	480765.3	489194.4	0.48733	mg/L	0.48733	mg/L
1	Ca 315.887	411.1	418.3	0.03280	mg/L	0.03280	mg/L
1	Cd 214.438	14639.0	14895.7	0.49448	mg/L	0.49448	mg/L
1	Co 238.892	23506.4	23918.5	1.0127	mg/L	1.0127	mg/L
1	Cr 267.716	57653.6	58664.4	0.99723	mg/L	0.99723	mg/L
1	Cu 324.754	122630.4	124780.4	0.97123	mg/L	0.97123	mg/L
1	Fe 234.349	705.9	718.3	0.02041	mg/L	0.02041	mg/L
1	K 766.491	-5018.1	-5106.0	0.01042	mg/L	0.01042	mg/L
1	Mo 202.030	5077.2	5166.2	0.99878	mg/L	0.99878	mg/L
1	Mn 257.610	184344.4	187576.4	0.99955	mg/L	0.99955	mg/L
1	Mg 279.079	84.6	86.1	0.04887	mg/L	0.04887	mg/L
1	Ni 231.604	6808.3	6927.6	1.0012	mg/L	1.0012	mg/L
1	Pb 220.353	2426.0	2468.6	1.0047	mg/L	1.0047	mg/L
1	Sn 189.933	1231.0	1252.6	1.0001	mg/L	1.0001	mg/L
1	Se 196.026	954.8	971.5	1.0015	mg/L	1.0015	mg/L
1	Sb 206.833	855.7	870.7	1.0078	mg/L	1.0078	mg/L

1 V 292.402	59312.0	60351.9	0.96708 mg/L	0.96708 mg/L	
1 Tl 190.800	486.4	495.0	0.50236 mg/L	0.50236 mg/L	
1 Zn 213.856	47806.4	48644.6	1.0579 mg/L	1.0579 mg/L	
1 Na 330.237	488.9	497.5	0.18296 mg/L	0.18296 mg/L	
1 Sr 407.771	2558.1	2602.9			
1 K 404.721	3956.2	4025.6	0.00000 mg/L	0.00000 mg/L	
2 Y 324.228	365106.4	365106.4	0.987 mg/L		
2 Ag 328.068	21176.0	21448.8	0.49491 mg/L	0.49491 mg/L	
2 Al 308.215	398.3	403.4	0.07038 mg/L	0.07038 mg/L	
2 As 193.696	191.5	194.0	0.49539 mg/L	0.49539 mg/L	
2 B 249.773	24873.0	25193.4	1.0032 mg/L	1.0032 mg/L	
2 Ba 233.527	31372.6	31776.7	0.98472 mg/L	0.98472 mg/L	
2 Be 313.042	482555.1	488771.6	0.48691 mg/L	0.48691 mg/L	
2 Ca 315.887	377.0	381.9	0.03028 mg/L	0.03028 mg/L	
2 Cd 214.438	14613.8	14802.0	0.49135 mg/L	0.49135 mg/L	
2 Co 238.892	23537.4	23840.6	1.0095 mg/L	1.0095 mg/L	
2 Cr 267.716	57701.6	58445.0	0.99347 mg/L	0.99347 mg/L	
2 Cu 324.754	122651.4	124231.5	0.96690 mg/L	0.96690 mg/L	
2 Fe 234.349	690.3	699.2	0.01879 mg/L	0.01879 mg/L	
2 K 766.491	-5364.9	-5434.1	0.00930 mg/L	0.00930 mg/L	
2 Mo 202.030	5106.4	5172.2	0.99993 mg/L	0.99993 mg/L	
2 Mn 257.610	184851.0	187232.4	0.99772 mg/L	0.99772 mg/L	
2 Mg 279.079	83.3	84.4	0.04806 mg/L	0.04806 mg/L	
2 Ni 231.604	6809.0	6896.7	0.99674 mg/L	0.99674 mg/L	
2 Pb 220.353	2419.0	2450.2	0.99716 mg/L	0.99716 mg/L	
2 Sn 189.933	1236.0	1251.9	0.99952 mg/L	0.99952 mg/L	
2 Se 196.026	954.4	966.7	0.99642 mg/L	0.99642 mg/L	
2 Sb 206.833	858.4	869.4	1.0063 mg/L	1.0063 mg/L	
2 V 292.402	59379.6	60144.6	0.96376 mg/L	0.96376 mg/L	
2 Tl 190.800	488.9	495.2	0.50258 mg/L	0.50258 mg/L	
2 Zn 213.856	47758.5	48373.7	1.0519 mg/L	1.0519 mg/L	
2 Na 330.237	484.5	490.7	0.15793 mg/L	0.15793 mg/L	
2 Sr 407.771	2682.0	2716.5			
2 K 404.721	4057.0	4109.2	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: LRV1 Seq. No.: 7 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:37:57 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	364272.1	0.985	0.0032	mg/L				0.32%
Ag 328.068	21495.9	0.49600	0.001544	mg/L	0.49600✓	0.001544	mg/L	0.31%
Al 308.215	403.6	0.07045	0.000093	mg/L	0.07045	0.000093	mg/L	0.13%
As 193.696	195.8	0.50033	0.006990	mg/L	0.50033✓	0.006990	mg/L	1.40%
B 249.773	25217.8	1.0042	0.00139	mg/L	1.0042✓	0.00139	mg/L	0.14%
Ba 233.527	31870.7	0.98763	0.004119	mg/L	0.98763✓	0.004119	mg/L	0.42%
Be 313.042	488983.0	0.48712	0.000297	mg/L	0.48712✓	0.000297	mg/L	0.06%
Ca 315.887	400.1	0.03154	0.001786	mg/L	0.03154	0.001786	mg/L	5.66%
Cd 214.438	14848.9	0.49292	0.002216	mg/L	0.49292✓	0.002216	mg/L	0.45%
Co 238.892	23879.6	1.0111	0.00231	mg/L	1.0111✓	0.00231	mg/L	0.23%
Cr 267.716	58554.7	0.99535	0.002659	mg/L	0.99535✓	0.002659	mg/L	0.27%
Cu 324.754	124506.0	0.96906	0.003065	mg/L	0.96906✓	0.003065	mg/L	0.32%
Fe 234.349	708.7	0.01960	0.001145	mg/L	0.01960	0.001145	mg/L	5.84%
K 766.491	-5270.1	0.00986	0.000790	mg/L	0.00986	0.000790	mg/L	8.01%
Mo 202.030	5169.2	0.99935	0.000813	mg/L	0.99935✓	0.000813	mg/L	0.08%
Mn 257.610	187404.4	0.99863	0.001297	mg/L	0.99863✓	0.001297	mg/L	0.13%
Mg 279.079	85.2	0.04846	0.000574	mg/L	0.04846	0.000574	mg/L	1.18%
Ni 231.604	6912.2	0.99897	0.003157	mg/L	0.99897✓	0.003157	mg/L	0.32%
Pb 220.353	2459.4	1.0009	0.00534	mg/L	1.0009✓	0.00534	mg/L	0.53%
Sn 189.933	1252.2	0.99980	0.000386	mg/L	0.99980✓	0.000386	mg/L	0.04%
Se 196.026	969.1	0.99894	0.003557	mg/L	0.99894✓	0.003557	mg/L	0.36%
Sb 206.833	870.0	1.0070	0.00107	mg/L	1.0070✓	0.00107	mg/L	0.11%
V 292.402	60248.2	0.96542	0.002345	mg/L	0.96542✓	0.002345	mg/L	0.24%
Tl 190.800	495.1	0.50247	0.000152	mg/L	0.50247✓	0.000152	mg/L	0.03%
Zn 213.856	48509.2	1.0549	0.00421	mg/L	1.0549✓	0.00421	mg/L	0.40%
Na 330.237	494.1	0.17044	0.017692	mg/L	0.17044	0.017692	mg/L	10.38%
Sr 407.771	2659.7							3.02%
K 404.721	4067.4	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00

Replicate Data ----------

ID: LRV2 Date: 11/18/96 7:39:21 AM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Y 324.228	351131.4	351131.4	0.949	mg/L		
1	Ag 328.068	157.4	165.8	0.00186	mg/L	0.00186	mg/L
1	Al 308.215	149.4	157.4	-0.00180	mg/L	-0.00180	mg/L
1	As 193.696	8.6	9.1	0.00576	mg/L	0.00576	mg/L
1	B 249.773	273.1	287.6	0.00417	mg/L	0.00417	mg/L
1	Ba 233.527	8.7	9.2	0.00057	mg/L	0.00057	mg/L
1	Be 313.042	894.4	941.9	0.00039	mg/L	0.00039	mg/L
1	Ca 315.887	95.1	100.1	0.00831	mg/L	0.00831	mg/L
1	Cd 214.438	144.2	151.8	0.00044	mg/L	0.00044	mg/L
1	Co 238.892	-39.7	-41.8	0.00039	mg/L	0.00039	mg/L
1	Cr 267.716	788.2	830.1	0.00141	mg/L	0.00141	mg/L
1	Cu 324.754	1723.8	1815.5	0.00115	mg/L	0.00115	mg/L
1	Fe 234.349	489.5	515.6	0.00322	mg/L	0.00322	mg/L
1	K 766.491	6993252.4	7365259.6	25.118	mg/L	25.118	mg/L
1	Mo 202.030	35.6	37.5	0.00797	mg/L	0.00797	mg/L
1	Mn 257.610	135.1	142.3	0.00044	mg/L	0.00044	mg/L
1	Mg 279.079	10.5	11.0	0.00332	mg/L	0.00332	mg/L
1	Ni 231.604	6.4	6.8	0.00123	mg/L	0.00123	mg/L
1	Pb 220.353	34.7	36.6	0.00345	mg/L	0.00345	mg/L
1	Sn 189.933	10.9	11.5	0.00400	mg/L	0.00400	mg/L
1	Se 196.026	25.2	26.5	0.01279	mg/L	0.01279	mg/L
1	Sb 206.833	27.6	29.1	0.00496	mg/L	0.00496	mg/L
1	V 292.402	-81.2	-85.6	0.00063	mg/L	0.00063	mg/L
1	Tl 190.800	-23.7	-25.0	-0.00043	mg/L	-0.00043	mg/L
1	Zn 213.856	521.0	548.7	0.00145	mg/L	0.00145	mg/L
1	Na 330.237	6897.3	7264.2	25.250	mg/L	25.250	mg/L
1	Sr 407.771	3326.4	3503.3				
1	K 404.721	1364.9	1437.5	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	354150.9	354150.9	0.958	mg/L		
2	Ag 328.068	136.7	142.7	0.00133	mg/L	0.00133	mg/L
2	Al 308.215	111.1	116.0	-0.01359	mg/L	-0.01359	mg/L
2	As 193.696	4.9	5.1	-0.00476	mg/L	-0.00476	mg/L
2	B 249.773	262.3	273.9	0.00362	mg/L	0.00362	mg/L
2	Ba 233.527	1.3	1.4	0.00033	mg/L	0.00033	mg/L
2	Be 313.042	820.8	857.1	0.00030	mg/L	0.00030	mg/L
2	Ca 315.887	90.1	94.0	0.00789	mg/L	0.00789	mg/L
2	Cd 214.438	138.1	144.3	0.00019	mg/L	0.00019	mg/L
2	Co 238.892	-47.3	-49.4	0.00006	mg/L	0.00006	mg/L
2	Cr 267.716	789.3	824.2	0.00130	mg/L	0.00130	mg/L
2	Cu 324.754	1645.0	1717.7	0.00038	mg/L	0.00038	mg/L
2	Fe 234.349	487.3	508.8	0.00265	mg/L	0.00265	mg/L
2	K 766.491	7077882.9	7390834.5	25.206	mg/L	25.206	mg/L
2	Mo 202.030	25.3	26.4	0.00583	mg/L	0.00583	mg/L
2	Mn 257.610	115.5	120.6	0.00033	mg/L	0.00033	mg/L
2	Mg 279.079	8.3	8.7	0.00221	mg/L	0.00221	mg/L
2	Ni 231.604	6.0	6.3	0.00116	mg/L	0.00116	mg/L
2	Pb 220.353	36.6	38.2	0.00411	mg/L	0.00411	mg/L
2	Sn 189.933	8.9	9.3	0.00223	mg/L	0.00223	mg/L
2	Se 196.026	23.8	24.9	0.01110	mg/L	0.01110	mg/L
2	Sb 206.833	22.8	23.8	-0.00126	mg/L	-0.00126	mg/L
2	V 292.402	-83.3	-87.0	0.00060	mg/L	0.00060	mg/L
2	Tl 190.800	-18.9	-19.7	0.00463	mg/L	0.00463	mg/L
2	Zn 213.856	507.7	530.2	0.00105	mg/L	0.00105	mg/L
2	Na 330.237	6932.8	7239.4	25.158	mg/L	25.158	mg/L
2	Sr 407.771	3400.8	3551.1				
2	K 404.721	1406.2	1468.4	0.00000	mg/L	0.00000	mg/L

Mean Data

ID: LRV2 Seq. No.: 8 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:39:21 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 324.228	352641.1	0.954	0.0058	mg/L				0.61%
Ag 328.068	154.2	0.00160	0.000377	mg/L	0.00160	0.000377	mg/L	23.63%
Al 308.215	136.7	-0.00770	0.008333	mg/L	-0.00770	0.008333	mg/L	108.28%
As 193.696	7.1	0.00050	0.007443	mg/L	0.00050	0.007443	mg/L	1483.44%
B 249.773	280.8	0.00390	0.000390	mg/L	0.00390	0.000390	mg/L	10.01%
Ba 233.527	5.3	0.00045	0.000170	mg/L	0.00045	0.000170	mg/L	38.16%
Be 313.042	899.5	0.00035	0.000060	mg/L	0.00035	0.000060	mg/L	17.31%
Ca 315.887	97.1	0.00810	0.000297	mg/L	0.00810	0.000297	mg/L	3.67%
Cd 214.438	148.0	0.00032	0.000180	mg/L	0.00032	0.000180	mg/L	56.73%

Co 238.892	-45.6	0.00023	0.000235	mg/L	0.00023	0.000235 mg/L	102.88%
Cr 267.716	827.2	0.00135	0.000077	mg/L	0.00135	0.000077 mg/L	5.70%
Cu 324.754	1766.6	0.00077	0.000545	mg/L	0.00077	0.000545 mg/L	70.86%
Fe 234.349	512.2	0.00294	0.000405	mg/L	0.00294	0.000405 mg/L	13.79%
K 766.491	7378047.1	25.162	0.0616	mg/L	25.162	0.0616 mg/L	0.24%
Mo 202.030	31.9	0.00690	0.001515	mg/L	0.00690	0.001515 mg/L	21.97%
Mn 257.610	131.4	0.00039	0.000082	mg/L	0.00039	0.000082 mg/L	21.19%
Mg 279.079	9.9	0.00276	0.000783	mg/L	0.00276	0.000783 mg/L	28.33%
Ni 231.604	6.5	0.00119	0.000047	mg/L	0.00119	0.000047 mg/L	3.98%
Pb 220.353	37.4	0.00378	0.000469	mg/L	0.00378	0.000469 mg/L	12.40%
Sn 189.933	10.4	0.00311	0.001246	mg/L	0.00311	0.001246 mg/L	40.02%
Se 196.026	25.7	0.01194	0.001196	mg/L	0.01194	0.001196 mg/L	10.02%
Sb 206.833	26.5	0.00185	0.004397	mg/L	0.00185	0.004397 mg/L	237.65%
V 292.402	-86.3	0.00062	0.000016	mg/L	0.00062	0.000016 mg/L	2.57%
Tl 190.800	-22.3	0.00210	0.003574	mg/L	0.00210	0.003574 mg/L	170.33%
Zn 213.856	539.4	0.00125	0.000287	mg/L	0.00125	0.000287 mg/L	22.96%
Na 330.237	7251.8	25.204	0.0650	mg/L	25.204	0.0650 mg/L	0.26%
Sr 407.771	3527.2						0.96%
K 404.721	1453.0	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: LRV3 Date: 11/18/96 7:40:47 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	329941.3	329941.3	0.892	mg/L		
1	Ag 328.068	-175.7	-196.9	-0.00654	mg/L	-0.00654	mg/L
1	Al 308.215	158205.4	177322.2	50.435	mg/L	50.435	mg/L
1	As 193.696	21.2	23.7	-0.01345	mg/L	-0.01345	mg/L
1	B 249.773	661.0	740.8	0.02235	mg/L	0.02235	mg/L
1	Ba 233.527	30.4	34.1	0.00134	mg/L	0.00134	mg/L
1	Be 313.042	852.3	955.2	0.00040	mg/L	0.00040	mg/L
1	Ca 315.887	3222873.9	3612310.6	249.78	mg/L	249.78	mg/L
1	Cd 214.438	239.7	268.6	0.00331	mg/L	0.00331	mg/L
1	Co 238.892	972.2	1089.7	0.04793	mg/L	0.04793	mg/L
1	Cr 267.716	795.9	892.1	0.00244	mg/L	0.00244	mg/L
1	Cu 324.754	1870.8	2096.9	0.00339	mg/L	0.00339	mg/L
1	Fe 234.349	528149.7	591968.8	50.146	mg/L	50.146	mg/L
1	K 766.491	17381137.1	19481390.7	66.393	mg/L	66.393	mg/L
1	Mo 202.030	-3.7	-4.2	-0.00007	mg/L	-0.00007	mg/L
1	Mn 257.610	444.7	498.4	0.00234	mg/L	0.00234	mg/L
1	Mg 279.079	94003.0	105361.9	49.883	mg/L	49.883	mg/L
1	Ni 231.604	6.1	6.8	0.00123	mg/L	0.00123	mg/L
1	Pb 220.353	50.1	56.1	0.00107	mg/L	0.00107	mg/L
1	Sn 189.933	18.9	21.2	0.07671	mg/L	0.07671	mg/L
1	Se 196.026	26.1	29.2	-0.00271	mg/L	-0.00271	mg/L
1	Sb 206.833	21.4	24.0	0.04788	mg/L	0.04788	mg/L
1	V 292.402	623.9	699.2	0.01318	mg/L	0.01318	mg/L
1	Tl 190.800	-22.3	-25.0	-0.00060	mg/L	-0.00060	mg/L
1	Zn 213.856	1094.9	1227.2	0.01636	mg/L	0.01636	mg/L
1	Na 330.237	15483.7	17354.7	62.629	mg/L	62.629	mg/L
1	Sr 407.771	155703.6	174518.0				
1	K 404.721	-2393.6	-2682.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	330544.2	330544.2	0.894	mg/L		
2	Ag 328.068	-180.9	-202.4	-0.00666	mg/L	-0.00666	mg/L
2	Al 308.215	158172.1	176961.5	50.333	mg/L	50.333	mg/L
2	As 193.696	20.4	22.8	-0.01584	mg/L	-0.01584	mg/L
2	B 249.773	687.5	769.2	0.02349	mg/L	0.02349	mg/L
2	Ba 233.527	19.0	21.3	0.00094	mg/L	0.00094	mg/L
2	Be 313.042	827.2	925.5	0.00037	mg/L	0.00037	mg/L
2	Ca 315.887	3230669.4	3614443.1	249.93	mg/L	249.93	mg/L
2	Cd 214.438	239.5	268.0	0.00329	mg/L	0.00329	mg/L
2	Co 238.892	972.2	1087.7	0.04785	mg/L	0.04785	mg/L
2	Cr 267.716	792.1	886.2	0.00234	mg/L	0.00234	mg/L
2	Cu 324.754	1899.0	2124.6	0.00360	mg/L	0.00360	mg/L
2	Fe 234.349	529155.5	592014.3	50.150	mg/L	50.150	mg/L
2	K 766.491	17435028.6	19506149.1	66.478	mg/L	66.478	mg/L
2	Mo 202.030	-4.5	-5.1	-0.00024	mg/L	-0.00024	mg/L
2	Mn 257.610	444.1	496.9	0.00233	mg/L	0.00233	mg/L
2	Mg 279.079	94168.6	105355.0	49.880	mg/L	49.880	mg/L
2	Ni 231.604	8.6	9.6	0.00163	mg/L	0.00163	mg/L
2	Pb 220.353	47.9	53.6	0.00004	mg/L	0.00004	mg/L
2	Sn 189.933	16.1	18.0	0.07414	mg/L	0.07414	mg/L
2	Se 196.026	19.1	21.3	-0.01097	mg/L	-0.01097	mg/L

2	Sb 206.833	22.3	24.9	0.04899 mg/L	0.04899 mg/L
2	V 292.402	632.1	707.2	0.01330 mg/L	0.01330 mg/L
2	Tl 190.800	-25.5	-28.5	-0.00402 mg/L	-0.00402 mg/L
2	Zn 213.856	1105.4	1236.7	0.01657 mg/L	0.01657 mg/L
2	Na 330.237	15498.3	17339.4	62.573 mg/L	62.573 mg/L
2	Sr 407.771	155804.0	174312.1		
2	K 404.721	-2392.6	-2676.8	0.00000 mg/L	0.00000 mg/L

Mean Data ----------

ID: LRV3 Seq. No.: 9 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:40:47 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	330242.8	0.893	0.0012	mg/L				0.13%
Ag 328.068	-199.7	-0.00660	0.000090	mg/L	-0.00660	0.000090	mg/L	1.36%
Al 308.215	177141.8	50.384	0.0726	mg/L	50.384	0.0726	mg/L	0.14%
As 193.696	23.2	-0.01464	0.001693	mg/L	-0.01464	0.001693	mg/L	11.56%
B 249.773	755.0	0.02292	0.000803	mg/L	0.02292	0.000803	mg/L	3.51%
Ba 233.527	27.7	0.00114	0.000280	mg/L	0.00114	0.000280	mg/L	24.57%
Be 313.042	940.4	0.00038	0.000021	mg/L	0.00038	0.000021	mg/L	5.53%
Ca 315.887	3613376.8	249.86	0.104	mg/L	249.86	0.104	mg/L	0.04%
Cd 214.438	268.3	0.00330	0.000013	mg/L	0.00330	0.000013	mg/L	0.40%
Co 238.892	1088.7	0.04789	0.000060	mg/L	0.04789	0.000060	mg/L	0.12%
Cr 267.716	889.2	0.00239	0.000072	mg/L	0.00239	0.000072	mg/L	3.00%
Cu 324.754	2110.7	0.00350	0.000155	mg/L	0.00350	0.000155	mg/L	4.43%
Fe 234.349	591991.6	50.148	0.0027	mg/L	50.148	0.0027	mg/L	0.01%
K 766.491	19493769.9	66.436	0.0596	mg/L	66.436	0.0596	mg/L	0.09%
Mo 202.030	-4.6	-0.00016	0.000125	mg/L	-0.00016	0.000125	mg/L	80.11%
Mn 257.610	497.6	0.00234	0.000006	mg/L	0.00234	0.000006	mg/L	0.25%
Mg 279.079	105358.4	49.881	0.0023	mg/L	49.881	0.0023	mg/L	0.00%
Ni 231.604	8.2	0.00143	0.000283	mg/L	0.00143	0.000283	mg/L	19.77%
Pb 220.353	54.8	0.00056	0.000727	mg/L	0.00056	0.000727	mg/L	130.44%
Sn 189.933	19.6	0.07543	0.001815	mg/L	0.07543	0.001815	mg/L	2.41%
Se 196.026	25.3	-0.00684	0.005840	mg/L	-0.00684	0.005840	mg/L	85.33%
Sb 206.833	24.5	0.04843	0.000785	mg/L	0.04843	0.000785	mg/L	1.62%
V 292.402	703.2	0.01324	0.000090	mg/L	0.01324	0.000090	mg/L	0.68%
Tl 190.800	-26.8	-0.00231	0.002418	mg/L	-0.00231	0.002418	mg/L	104.70%
Zn 213.856	1231.9	0.01646	0.000147	mg/L	0.01646	0.000147	mg/L	0.89%
Na 330.237	17347.0	62.601	0.0400	mg/L	62.601	0.0400	mg/L	0.06%
Sr 407.771	174415.1							0.08%
K 404.721	-2679.8	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: LRV4 Date: 11/18/96 7:42:18 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	366310.6	366310.6	0.991	mg/L		
1	Ag 328.068	104.0	105.0	0.00046	mg/L	0.00046	mg/L
1	Al 308.215	308.2	311.2	0.04198	mg/L	0.04198	mg/L
1	As 193.696	7.0	7.0	-0.00015	mg/L	-0.00015	mg/L
1	B 249.773	232.3	234.6	0.00205	mg/L	0.00205	mg/L
1	Ba 233.527	2.4	2.4	0.00036	mg/L	0.00036	mg/L
1	Be 313.042	491884.3	496583.2	0.49470	mg/L	0.49470	mg/L
1	Ca 315.887	2336.8	2359.2	0.16706	mg/L	0.16706	mg/L
1	Cd 214.438	135.3	136.6	-0.00004	mg/L	-0.00004	mg/L
1	Co 238.892	-38.8	-39.2	0.00047	mg/L	0.00047	mg/L
1	Cr 267.716	748.6	755.8	0.00011	mg/L	0.00011	mg/L
1	Cu 324.754	125028.5	126222.9	0.98337	mg/L	0.98337	mg/L
1	Fe 234.349	824.2	832.1	0.03006	mg/L	0.03006	mg/L
1	K 766.491	7399.7	7470.4	0.05326	mg/L	0.05326	mg/L
1	Mo 202.030	1.6	1.6	0.00144	mg/L	0.00144	mg/L
1	Mn 257.610	59.1	59.7	0.00000	mg/L	0.00000	mg/L
1	Mg 279.079	69.3	69.9	0.03119	mg/L	0.03119	mg/L
1	Ni 231.604	4.7	4.7	0.00093	mg/L	0.00093	mg/L
1	Pb 220.353	38.4	38.8	0.00396	mg/L	0.00396	mg/L
1	Sn 189.933	7.5	7.5	0.00203	mg/L	0.00203	mg/L
1	Se 196.026	963.2	972.4	1.0046	mg/L	1.0046	mg/L
1	Sb 206.833	24.4	24.7	0.00077	mg/L	0.00077	mg/L
1	V 292.402	60949.8	61532.1	0.98594	mg/L	0.98594	mg/L
1	Tl 190.800	-21.5	-21.7	0.00347	mg/L	0.00347	mg/L
1	Zn 213.856	45363.4	45796.8	0.99531	mg/L	0.99531	mg/L
1	Na 330.237	524.4	529.4	0.30130	mg/L	0.30130	mg/L

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sr 407.771	2671.6	2697.1				
1	K 404.721	3917.3	3954.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	366880.9	366880.9	0.992	mg/L		
2	Ag 328.068	79.7	80.4	-0.00011	mg/L	-0.00011	mg/L
2	Al 308.215	293.5	295.9	0.03762	mg/L	0.03762	mg/L
2	As 193.696	9.4	9.5	0.00639	mg/L	0.00639	mg/L
2	B 249.773	230.0	231.9	0.00194	mg/L	0.00194	mg/L
2	Ba 233.527	-5.7	-5.8	0.00010	mg/L	0.00010	mg/L
2	Be 313.042	494244.7	498190.5	0.49630	mg/L	0.49630	mg/L
2	Ca 315.887	1718.5	1732.2	0.12371	mg/L	0.12371	mg/L
2	Cd 214.438	137.0	138.1	0.00001	mg/L	0.00001	mg/L
2	Co 238.892	-35.9	-36.2	0.00059	mg/L	0.00059	mg/L
2	Cr 267.716	731.0	736.8	-0.00022	mg/L	-0.00022	mg/L
2	Cu 324.754	125149.1	126148.2	0.98278	mg/L	0.98278	mg/L
2	Fe 234.349	757.1	763.2	0.02422	mg/L	0.02422	mg/L
2	K 766.491	4561.4	4597.8	0.04348	mg/L	0.04348	mg/L
2	Mo 202.030	-1.3	-1.3	0.00088	mg/L	0.00088	mg/L
2	Mn 257.610	71.6	72.2	0.00007	mg/L	0.00007	mg/L
2	Mg 279.079	50.8	51.2	0.02233	mg/L	0.02233	mg/L
2	Ni 231.604	3.1	3.1	0.00070	mg/L	0.00070	mg/L
2	Pb 220.353	35.5	35.8	0.00272	mg/L	0.00272	mg/L
2	Sn 189.933	8.1	8.1	0.00248	mg/L	0.00248	mg/L
2	Se 196.026	952.4	960.0	0.99150	mg/L	0.99150	mg/L
2	Sb 206.833	25.6	25.8	0.00217	mg/L	0.00217	mg/L
2	V 292.402	61253.1	61742.1	0.98930	mg/L	0.98930	mg/L
2	Tl 190.800	-22.1	-22.3	0.00296	mg/L	0.00296	mg/L
2	Zn 213.856	45464.1	45827.0	0.99598	mg/L	0.99598	mg/L
2	Na 330.237	480.6	484.4	0.13473	mg/L	0.13473	mg/L
2	Sr 407.771	2514.1	2534.1				
2	K 404.721	4001.7	4033.7	0.00000	mg/L	0.00000	mg/L

Mean Data

ID: LRV4 Seq. No.: 10 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:42:18 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	366595.7	0.991	0.0011	mg/L				0.11%
Ag 328.068	92.7	0.00017	0.000403	mg/L	0.00017	0.000403	mg/L	235.61%
Al 308.215	303.5	0.03980	0.003083	mg/L	0.03980	0.003083	mg/L	7.75%
As 193.696	8.3	0.00312	0.004626	mg/L	0.00312	0.004626	mg/L	148.34%
B 249.773	233.2	0.00199	0.000077	mg/L	0.00199	0.000077	mg/L	3.85%
Ba 233.527	-1.7	0.00023	0.000179	mg/L	0.00023	0.000179	mg/L	77.80%
Be 313.042	497386.8	0.49550	0.001134	mg/L	0.49550	0.001134	mg/L	0.23%
Ca 315.887	2045.7	0.14539	0.030649	mg/L	0.14539	0.030649	mg/L	21.08%
Cd 214.438	137.3	-0.00001	0.000035	mg/L	-0.00001	0.000035	mg/L	248.09%
Co 238.892	-37.7	0.00053	0.000087	mg/L	0.00053	0.000087	mg/L	16.36%
Cr 267.716	746.3	-0.00006	0.000231	mg/L	-0.00006	0.000231	mg/L	414.52%
Cu 324.754	126185.5	0.98308	0.000415	mg/L	0.98308	0.000415	mg/L	0.04%
Fe 234.349	797.6	0.02714	0.004128	mg/L	0.02714	0.004128	mg/L	15.21%
K 766.491	6034.1	0.04837	0.006920	mg/L	0.04837	0.006920	mg/L	14.31%
Mo 202.030	0.1	0.00116	0.000393	mg/L	0.00116	0.000393	mg/L	33.91%
Mn 257.610	65.9	0.00004	0.000047	mg/L	0.00004	0.000047	mg/L	128.63%
Mg 279.079	60.6	0.02676	0.006264	mg/L	0.02676	0.006264	mg/L	23.41%
Ni 231.604	3.9	0.00082	0.000162	mg/L	0.00082	0.000162	mg/L	19.84%
Pb 220.353	37.3	0.00334	0.000877	mg/L	0.00334	0.000877	mg/L	26.26%
Sn 189.933	7.8	0.00226	0.000321	mg/L	0.00226	0.000321	mg/L	14.22%
Se 196.026	966.2	0.99804	0.009256	mg/L	0.99804	0.009256	mg/L	0.93%
Sb 206.833	25.3	0.00147	0.000989	mg/L	0.00147	0.000989	mg/L	67.44%
V 292.402	61637.1	0.98762	0.002375	mg/L	0.98762	0.002375	mg/L	0.24%
Tl 190.800	-22.0	0.00322	0.000361	mg/L	0.00322	0.000361	mg/L	11.21%
Zn 213.856	45811.9	0.99564	0.000470	mg/L	0.99564	0.000470	mg/L	0.05%
Na 330.237	506.9	0.21801	0.117779	mg/L	0.21801	0.117779	mg/L	54.02%
Sr 407.771	2615.6							4.41%
K 404.721	3994.2	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: ICVA Date: 11/18/96 7:43:50 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	351866.5	351866.5	0.951	mg/L		
1	Ag 328.068	7691.6	8083.8	0.18530	mg/L	0.18530	mg/L

1	Al 308.215	63201.3	66424.3	18.865 mg/L	18.865 mg/L
1	As 193.696	79.5	83.6	0.18576 mg/L	0.18576 mg/L
1	B 249.773	10101.5	10616.6	0.41850 mg/L	0.41850 mg/L
1	Ba 233.527	12164.8	12785.1	0.39636 mg/L	0.39636 mg/L
1	Be 313.042	196428.7	206445.6	0.20534 mg/L	0.20534 mg/L
1	Ca 315.887	280662.0	294974.3	20.399 mg/L	20.399 mg/L
1	Cd 214.438	5858.1	6156.8	0.20126 mg/L	0.20126 mg/L
1	Co 238.892	9308.7	9783.4	0.41539 mg/L	0.41539 mg/L
1	Cr 267.716	22627.7	23781.6	0.39656 mg/L	0.39656 mg/L
1	Cu 324.754	48000.3	50448.1	0.38484 mg/L	0.38484 mg/L
1	Fe 234.349	233146.6	245035.8	20.733 mg/L	20.733 mg/L
1	K 766.491	6309878.5	6631649.1	22.619 mg/L	22.619 mg/L
1	Mo 202.030	1914.4	2012.0	0.38943 mg/L	0.38943 mg/L
1	Mn 257.610	69979.0	73547.6	0.39173 mg/L	0.39173 mg/L
1	Mg 279.079	39956.3	41993.9	19.885 mg/L	19.885 mg/L
1	Ni 231.604	2593.1	2725.4	0.39403 mg/L	0.39403 mg/L
1	Pb 220.353	939.5	987.4	0.39102 mg/L	0.39102 mg/L
1	Sn 189.933	485.0	509.8	0.41821 mg/L	0.41821 mg/L
1	Se 196.026	391.0	410.9	0.40759 mg/L	0.40759 mg/L
1	Sb 206.833	350.9	368.8	0.41869 mg/L	0.41869 mg/L
1	V 292.402	24078.4	25306.3	0.40667 mg/L	0.40667 mg/L
1	Tl 190.800	177.8	186.9	0.20435 mg/L	0.20435 mg/L
1	Zn 213.856	18636.6	19586.9	0.41962 mg/L	0.41962 mg/L
1	Na 330.237	5855.3	6153.9	21.137 mg/L	21.137 mg/L
1	Sr 407.771	6953.8	7308.5		
1	K 404.721	1848.8	1943.0	0.00000 mg/L	0.00000 mg/L
2	Y 324.228	349365.0	349365.0	0.945 mg/L	
2	Ag 328.068	7814.7	8272.1	0.18966 mg/L	0.18966 mg/L
2	Al 308.215	62419.7	66072.5	18.764 mg/L	18.764 mg/L
2	As 193.696	79.9	84.6	0.18866 mg/L	0.18866 mg/L
2	B 249.773	10055.5	10643.9	0.41960 mg/L	0.41960 mg/L
2	Ba 233.527	12195.0	12908.6	0.40019 mg/L	0.40019 mg/L
2	Be 313.042	196859.1	208379.4	0.20727 mg/L	0.20727 mg/L
2	Ca 315.887	282963.7	299522.8	20.714 mg/L	20.714 mg/L
2	Cd 214.438	5919.2	6265.6	0.20490 mg/L	0.20490 mg/L
2	Co 238.892	9254.1	9795.7	0.41594 mg/L	0.41594 mg/L
2	Cr 267.716	22628.7	23952.9	0.39952 mg/L	0.39952 mg/L
2	Cu 324.754	47185.7	49947.0	0.38088 mg/L	0.38088 mg/L
2	Fe 234.349	233794.4	247476.1	20.940 mg/L	20.940 mg/L
2	K 766.491	6257130.8	6623299.0	22.591 mg/L	22.591 mg/L
2	Mo 202.030	1932.1	2045.2	0.39585 mg/L	0.39585 mg/L
2	Mn 257.610	69984.6	74080.2	0.39457 mg/L	0.39457 mg/L
2	Mg 279.079	39898.0	42232.8	19.998 mg/L	19.998 mg/L
2	Ni 231.604	2601.5	2753.7	0.39813 mg/L	0.39813 mg/L
2	Pb 220.353	944.7	1000.0	0.39622 mg/L	0.39622 mg/L
2	Sn 189.933	483.9	512.2	0.42023 mg/L	0.42023 mg/L
2	Se 196.026	397.3	420.6	0.41767 mg/L	0.41767 mg/L
2	Sb 206.833	347.3	367.7	0.41747 mg/L	0.41747 mg/L
2	V 292.402	23939.6	25340.6	0.40721 mg/L	0.40721 mg/L
2	Tl 190.800	174.6	184.8	0.20236 mg/L	0.20236 mg/L
2	Zn 213.856	18686.7	19780.3	0.42387 mg/L	0.42387 mg/L
2	Na 330.237	5764.9	6102.3	20.946 mg/L	20.946 mg/L
2	Sr 407.771	6888.4	7291.5		
2	K 404.721	1642.1	1738.2	0.00000 mg/L	0.00000 mg/L

Mean Data ----------

ID: ICVA Seq. No.: 11 Sample No.: 0 A/S Pos: 0

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 7:43:50 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	350615.7	0.948	0.0048	mg/L				0.50%
Ag 328.068	8178.0	0.18748	0.003083	mg/L	0.18748 ✓	0.003083	mg/L	1.64%
Al 308.215	66248.4	18.814	0.0708	mg/L	18.814 ✓	0.0708	mg/L	0.38%
As 193.696	84.1	0.18721	0.002046	mg/L	0.18721	0.002046	mg/L	1.09%
B 249.773	10630.3	0.41905	0.000773	mg/L	0.41905	0.000773	mg/L	0.18%
Ba 233.527	12846.9	0.39828	0.002705	mg/L	0.39828 ✓	0.002705	mg/L	0.68%
Be 313.042	207412.5	0.20631	0.001365	mg/L	0.20631 ✓	0.001365	mg/L	0.66%
Ca 315.887	297248.6	20.556	0.2224	mg/L	20.556 ✓	0.2224	mg/L	1.08%
Cd 214.438	6211.2	0.20308	0.002577	mg/L	0.20308 ✓	0.002577	mg/L	1.27%
Co 238.892	9789.5	0.41566	0.000388	mg/L	0.41566 ✓	0.000388	mg/L	0.09%
Cr 267.716	23867.3	0.39804	0.002094	mg/L	0.39804 ✓	0.002094	mg/L	0.53%
Cu 324.754	50197.5	0.38286	0.002799	mg/L	0.38286 ✓	0.002799	mg/L	0.73%
Fe 234.349	246256.0	20.837	0.1463	mg/L	20.837 ✓	0.1463	mg/L	0.70%

K 766.491	6627474.1	22.605	0.0201	mg/L	22.605	0.0201 mg/L	0.09%
Mo 202.030	2028.6	0.39264	0.004538	mg/L	0.39264	0.004538 mg/L	1.16%
Mn 257.610	73813.9	0.39315	0.002007	mg/L	0.39315	0.002007 mg/L	0.51%
Mg 279.079	42113.3	19.941	0.0800	mg/L	19.941	0.0800 mg/L	0.40%
Ni 231.604	2739.5	0.39608	0.002898	mg/L	0.39608	0.002898 mg/L	0.73%
Pb 220.353	993.7	0.39362	0.003679	mg/L	0.39362	0.003679 mg/L	0.93%
Sn 189.933	511.0	0.41922	0.001430	mg/L	0.41922	0.001430 mg/L	0.34%
Se 196.026	415.7	0.41263	0.007131	mg/L	0.41263	0.007131 mg/L	1.73%
Sb 206.833	368.2	0.41808	0.000864	mg/L	0.41808	0.000864 mg/L	0.21%
V 292.402	25323.4	0.40694	0.000388	mg/L	0.40694	0.000388 mg/L	0.10%
Tl 190.800	185.8	0.20336	0.001406	mg/L	0.20336	0.001406 mg/L	0.69%
Zn 213.856	19683.6	0.42175	0.003003	mg/L	0.42175	0.003003 mg/L	0.71%
Na 330.237	6128.1	21.041	0.1353	mg/L	21.041	0.1353 mg/L	0.64%
Sr 407.771	7300.0						0.16%
K 404.721	1840.6	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: ICB Date: 11/18/96 7:45:28 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	362952.3	362952.3	0.981	mg/L		
1	Ag 328.068	243.3	247.9	0.00377	mg/L	0.00377	mg/L
1	Al 308.215	254.5	259.3	0.02721	mg/L	0.02721	mg/L
1	As 193.696	7.6	7.8	0.00217	mg/L	0.00217	mg/L
1	B 249.773	261.7	266.7	0.00333	mg/L	0.00333	mg/L
1	Ba 233.527	1.2	1.2	0.00032	mg/L	0.00032	mg/L
1	Be 313.042	707.9	721.3	0.00017	mg/L	0.00017	mg/L
1	Ca 315.887	265.3	270.3	0.02008	mg/L	0.02008	mg/L
1	Cd 214.438	141.2	143.8	0.00017	mg/L	0.00017	mg/L
1	Co 238.892	-51.3	-52.2	-0.00006	mg/L	-0.00006	mg/L
1	Cr 267.716	736.7	750.7	0.00003	mg/L	0.00003	mg/L
1	Cu 324.754	1745.1	1778.1	0.00086	mg/L	0.00086	mg/L
1	Fe 234.349	633.0	645.0	0.01420	mg/L	0.01420	mg/L
1	K 766.491	3205.2	3265.8	0.03894	mg/L	0.03894	mg/L
1	Mo 202.030	24.4	24.9	0.00554	mg/L	0.00554	mg/L
1	Mn 257.610	98.6	100.5	0.00022	mg/L	0.00022	mg/L
1	Mg 279.079	29.9	30.5	0.01252	mg/L	0.01252	mg/L
1	Ni 231.604	0.6	0.7	0.00034	mg/L	0.00034	mg/L
1	Pb 220.353	38.3	39.0	0.00442	mg/L	0.00442	mg/L
1	Sn 189.933	7.9	8.0	0.00121	mg/L	0.00121	mg/L
1	Se 196.026	25.0	25.5	0.01174	mg/L	0.01174	mg/L
1	Sb 206.833	24.3	24.7	-0.00017	mg/L	-0.00017	mg/L
1	V 292.402	-92.4	-94.2	0.00049	mg/L	0.00049	mg/L
1	Tl 190.800	-16.1	-16.4	0.00786	mg/L	0.00786	mg/L
1	Zn 213.856	482.9	492.0	0.00021	mg/L	0.00021	mg/L
1	Na 330.237	450.8	459.4	0.04186	mg/L	0.04186	mg/L
1	Sr 407.771	1916.5	1952.7				
1	K 404.721	3862.5	3935.4	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	362001.2	362001.2	0.979	mg/L		
2	Ag 328.068	196.7	201.0	0.00268	mg/L	0.00268	mg/L
2	Al 308.215	209.5	214.0	0.01431	mg/L	0.01431	mg/L
2	As 193.696	8.6	8.8	0.00501	mg/L	0.00501	mg/L
2	B 249.773	259.2	264.8	0.00326	mg/L	0.00326	mg/L
2	Ba 233.527	-4.2	-4.3	0.00015	mg/L	0.00015	mg/L
2	Be 313.042	688.3	703.1	0.00015	mg/L	0.00015	mg/L
2	Ca 315.887	215.1	219.7	0.01658	mg/L	0.01658	mg/L
2	Cd 214.438	138.8	141.8	0.00011	mg/L	0.00011	mg/L
2	Co 238.892	-50.0	-51.1	-0.00002	mg/L	-0.00002	mg/L
2	Cr 267.716	749.3	765.5	0.00028	mg/L	0.00028	mg/L
2	Cu 324.754	1724.3	1761.4	0.00073	mg/L	0.00073	mg/L
2	Fe 234.349	590.1	602.8	0.01062	mg/L	0.01062	mg/L
2	K 766.491	2700.8	2759.1	0.03721	mg/L	0.03721	mg/L
2	Mo 202.030	17.0	17.4	0.00409	mg/L	0.00409	mg/L
2	Mn 257.610	94.3	96.4	0.00020	mg/L	0.00020	mg/L
2	Mg 279.079	24.7	25.2	0.01001	mg/L	0.01001	mg/L
2	Ni 231.604	3.2	3.3	0.00072	mg/L	0.00072	mg/L
2	Pb 220.353	31.4	32.1	0.00159	mg/L	0.00159	mg/L
2	Sn 189.933	8.3	8.4	0.00155	mg/L	0.00155	mg/L
2	Se 196.026	24.9	25.4	0.01163	mg/L	0.01163	mg/L
2	Sb 206.833	25.4	26.0	0.00126	mg/L	0.00126	mg/L
2	V 292.402	-103.1	-105.3	0.00031	mg/L	0.00031	mg/L
2	Tl 190.800	-20.2	-20.6	0.00376	mg/L	0.00376	mg/L
2	Zn 213.856	480.7	491.1	0.00019	mg/L	0.00019	mg/L

2	Na 330.237	459.7	469.6	0.07976 mg/L	0.07976 mg/L	
2	Sr 407.771	1833.4	1872.9			
2	K 404.721	3892.3	3976.3	0.00000 mg/L	0.00000 mg/L	

Mean Data

ID: ICB Seq. No.: 12 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:45:28 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	362476.7	0.980	0.0018	mg/L				0.19%
Ag 328.068	224.5	0.00322	0.000769	mg/L	0.00322	0.000769	mg/L	23.86%
Al 308.215	236.6	0.02076	0.009121	mg/L	0.02076	0.009121	mg/L	43.94%
As 193.696	8.3	0.00359	0.002003	mg/L	0.00359	0.002003	mg/L	55.77%
B 249.773	265.7	0.00330	0.000053	mg/L	0.00330	0.000053	mg/L	1.60%
Ba 233.527	-1.5	0.00024	0.000120	mg/L	0.00024	0.000120	mg/L	50.98%
Be 313.042	712.2	0.00016	0.000013	mg/L	0.00016	0.000013	mg/L	8.02%
Ca 315.887	245.0	0.01833	0.002473	mg/L	0.01833	0.002473	mg/L	13.49%
Cd 214.438	142.8	0.00014	0.000047	mg/L	0.00014	0.000047	mg/L	33.70%
Co 238.892	-51.6	-0.00004	0.000030	mg/L	-0.00004	0.000030	mg/L	82.13%
Cr 267.716	758.1	0.00016	0.000176	mg/L	0.00016	0.000176	mg/L	110.57%
Cu 324.754	1769.8	0.00079	0.000092	mg/L	0.00079	0.000092	mg/L	11.58%
Fe 234.349	623.9	0.01241	0.002530	mg/L	0.01241	0.002530	mg/L	20.39%
K 766.491	3012.4	0.03807	0.001221	mg/L	0.03807	0.001221	mg/L	3.21%
Mo 202.030	21.1	0.00481	0.001024	mg/L	0.00481	0.001024	mg/L	21.27%
Mn 257.610	98.4	0.00021	0.000016	mg/L	0.00021	0.000016	mg/L	7.41%
Mg 279.079	27.8	0.01126	0.001776	mg/L	0.01126	0.001776	mg/L	15.76%
Ni 231.604	2.0	0.00053	0.000268	mg/L	0.00053	0.000268	mg/L	50.35%
Pb 220.353	35.5	0.00301	0.002002	mg/L	0.00301	0.002002	mg/L	66.56%
Sn 189.933	8.2	0.00138	0.000236	mg/L	0.00138	0.000236	mg/L	17.13%
Se 196.026	25.4	0.01169	0.000073	mg/L	0.01169	0.000073	mg/L	0.63%
Sb 206.833	25.4	0.00054	0.001016	mg/L	0.00054	0.001016	mg/L	186.87%
V 292.402	-99.7	0.00040	0.000126	mg/L	0.00040	0.000126	mg/L	31.46%
Tl 190.800	-18.5	0.00581	0.002901	mg/L	0.00581	0.002901	mg/L	49.91%
Zn 213.856	491.6	0.00020	0.000015	mg/L	0.00020	0.000015	mg/L	7.59%
Na 330.237	464.5	0.06081	0.026804	mg/L	0.06081	0.026804	mg/L	44.08%
Sr 407.771	1912.8							2.95%
K 404.721	3955.9	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: CRII Date: 11/18/96 7:47:06 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	362623.3	362623.3	0.981	mg/L		
1	Ag 328.068	865.5	882.6	0.01847	mg/L	0.01847	mg/L
1	Al 308.215	156.1	159.2	-0.00108	mg/L	-0.00108	mg/L
1	As 193.696	16.2	16.5	0.02543	mg/L	0.02543	mg/L
1	B 249.773	257.5	262.6	0.00317	mg/L	0.00317	mg/L
1	Ba 233.527	-8.0	-8.2	0.00003	mg/L	0.00003	mg/L
1	Be 313.042	10364.7	10570.1	0.00995	mg/L	0.00995	mg/L
1	Ca 315.887	70.0	71.4	0.00657	mg/L	0.00657	mg/L
1	Cd 214.438	423.9	432.3	0.00983	mg/L	0.00983	mg/L
1	Co 238.892	2277.1	2322.2	0.09976	mg/L	0.09976	mg/L
1	Cr 267.716	1891.8	1929.3	0.02024	mg/L	0.02024	mg/L
1	Cu 324.754	7639.3	7790.7	0.04836	mg/L	0.04836	mg/L
1	Fe 234.349	525.3	535.7	0.00493	mg/L	0.00493	mg/L
1	K 766.491	1420.8	1449.0	0.03275	mg/L	0.03275	mg/L
1	Mo 202.030	3.5	3.5	0.00145	mg/L	0.00145	mg/L
1	Mn 257.610	5607.0	5718.1	0.03017	mg/L	0.03017	mg/L
1	Mg 279.079	10.4	10.6	0.00340	mg/L	0.00340	mg/L
1	Ni 231.604	546.9	557.8	0.08084	mg/L	0.08084	mg/L
1	Pb 220.353	51.5	52.5	0.00998	mg/L	0.00998	mg/L
1	Sn 189.933	8.9	9.1	0.00217	mg/L	0.00217	mg/L
1	Se 196.026	35.0	35.7	0.02219	mg/L	0.02219	mg/L
1	Sb 206.833	89.1	90.9	0.07824	mg/L	0.07824	mg/L
1	V 292.402	5872.9	5989.2	0.09777	mg/L	0.09777	mg/L
1	Tl 190.800	-3.5	-3.5	0.02013	mg/L	0.02013	mg/L
1	Zn 213.856	2300.3	2345.9	0.04093	mg/L	0.04093	mg/L
1	Na 330.237	452.6	461.6	0.05011	mg/L	0.05011	mg/L
1	Sr 407.771	1961.5	2000.4				
1	K 404.721	3905.6	3983.0	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	362479.6	362479.6	0.980	mg/L		

2 Ag 328.068	867.6	885.1	0.01853 mg/L	0.01853 mg/L	
2 Al 308.215	157.8	161.0	-0.00057 mg/L	-0.00057 mg/L	
2 As 193.696	14.2	14.5	0.02004 mg/L	0.02004 mg/L	
2 B 249.773	254.1	259.3	0.00304 mg/L	0.00304 mg/L	
2 Ba 233.527	-9.3	-9.5	-0.00001 mg/L	-0.00001 mg/L	
2 Be 313.042	10339.2	10548.3	0.00993 mg/L	0.00993 mg/L	
2 Ca 315.887	60.1	61.3	0.00587 mg/L	0.00587 mg/L	
2 Cd 214.438	425.8	434.5	0.00991 mg/L	0.00991 mg/L	
2 Co 238.892	2307.1	2353.8	0.10109 mg/L	0.10109 mg/L	
2 Cr 267.716	1884.3	1922.4	0.02012 mg/L	0.02012 mg/L	
2 Cu 324.754	7570.9	7724.0	0.04783 mg/L	0.04783 mg/L	
2 Fe 234.349	527.4	538.1	0.00513 mg/L	0.00513 mg/L	
2 K 766.491	947.5	966.6	0.03110 mg/L	0.03110 mg/L	
2 Mo 202.030	3.3	3.3	0.00141 mg/L	0.00141 mg/L	
2 Mn 257.610	5620.7	5734.4	0.03025 mg/L	0.03025 mg/L	
2 Mg 279.079	8.2	8.4	0.00237 mg/L	0.00237 mg/L	
2 Ni 231.604	544.6	555.6	0.08052 mg/L	0.08052 mg/L	
2 Pb 220.353	46.0	46.9	0.00766 mg/L	0.00766 mg/L	
2 Sn 189.933	7.2	7.3	0.00075 mg/L	0.00075 mg/L	
2 Se 196.026	29.6	30.2	0.01641 mg/L	0.01641 mg/L	
2 Sb 206.833	96.0	97.9	0.08661 mg/L	0.08661 mg/L	
2 V 292.402	5903.6	6023.0	0.09831 mg/L	0.09831 mg/L	
2 Tl 190.800	-2.8	-2.9	0.02073 mg/L	0.02073 mg/L	
2 Zn 213.856	2300.2	2346.7	0.04095 mg/L	0.04095 mg/L	
2 Na 330.237	430.5	439.2	-0.03294 mg/L	-0.03294 mg/L	
2 Sr 407.771	1967.3	2007.0			
2 K 404.721	3860.2	3938.2	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: CRII Seq. No.: 13 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:47:06 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	362551.4	0.980	0.0003	mg/L				0.03%
Ag 328.068	883.9	0.01850	0.000040	mg/L	0.01850	0.000040	mg/L	0.22%
Al 308.215	160.1	-0.00082	0.000357	mg/L	-0.00082	0.000357	mg/L	43.44%
As 193.696	15.5	0.02274	0.003814	mg/L	0.02274	0.003814	mg/L	16.77%
B 249.773	260.9	0.00310	0.000093	mg/L	0.00310	0.000093	mg/L	3.01%
Ba 233.527	-8.9	0.00001	0.000030	mg/L	0.00001	0.000030	mg/L	354.21%
Be 313.042	10559.2	0.00994	0.000016	mg/L	0.00994	0.000016	mg/L	0.16%
Ca 315.887	66.4	0.00622	0.000495	mg/L	0.00622	0.000495	mg/L	7.95%
Cd 214.438	433.4	0.00987	0.000050	mg/L	0.00987	0.000050	mg/L	0.50%
Co 238.892	2338.0	0.10043	0.000938	mg/L	0.10043	0.000938	mg/L	0.93%
Cr 267.716	1925.8	0.02018	0.000084	mg/L	0.02018	0.000084	mg/L	0.41%
Cu 324.754	7757.4	0.04809	0.000372	mg/L	0.04809	0.000372	mg/L	0.77%
Fe 234.349	536.9	0.00503	0.000141	mg/L	0.00503	0.000141	mg/L	2.80%
K 766.491	1207.8	0.03193	0.001162	mg/L	0.03193	0.001162	mg/L	3.64%
Mo 202.030	3.4	0.00143	0.000028	mg/L	0.00143	0.000028	mg/L	1.92%
Mn 257.610	5726.2	0.03021	0.000061	mg/L	0.03021	0.000061	mg/L	0.20%
Mg 279.079	9.5	0.00289	0.000727	mg/L	0.00289	0.000727	mg/L	25.18%
Ni 231.604	556.7	0.08068	0.000227	mg/L	0.08068	0.000227	mg/L	0.28%
Pb 220.353	49.7	0.00882	0.001634	mg/L	0.00882	0.001634	mg/L	18.53%
Sn 189.933	8.2	0.00146	0.001007	mg/L	0.00146	0.001007	mg/L	69.06%
Se 196.026	32.9	0.01930	0.004088	mg/L	0.01930	0.004088	mg/L	21.18%
Sb 206.833	94.4	0.08243	0.005917	mg/L	0.08243	0.005917	mg/L	7.18%
V 292.402	6006.1	0.09804	0.000382	mg/L	0.09804	0.000382	mg/L	0.39%
Tl 190.800	-3.2	0.02043	0.000424	mg/L	0.02043	0.000424	mg/L	2.07%
Zn 213.856	2346.3	0.04094	0.000013	mg/L	0.04094	0.000013	mg/L	0.03%
Na 330.237	450.4	0.00858	0.058728	mg/L	0.00858	0.058728	mg/L	684.29%
Sr 407.771	2003.7							0.23%
K 404.721	3960.6	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: ICSAI Date: 11/18/96 7:48:47 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	300647.8	300647.8	0.813	mg/L		
1	Ag 328.068	-674.5	-829.7	-0.02120	mg/L	-0.02120	mg/L
1	Al 308.215	1449800.0	1783317.0	507.65	mg/L	507.65	mg/L
1	As 193.696	271.9	334.4	0.41053	mg/L	0.41053	mg/L
1	B 249.773	1725.4	2122.3	0.07777	mg/L	0.07777	mg/L
1	Ba 233.527	95.4	117.4	0.00392	mg/L	0.00392	mg/L

1 Be 313.042	789.0	970.6	0.00039 mg/L	0.00039 mg/L	
1 Ca 315.887	5705453.3	7017955.5	485.27 mg/L	485.27 mg/L	
1 Cd 214.438	703.0	864.7	0.01381 mg/L	0.01381 mg/L	
1 Co 238.892	3504.5	4310.7	0.18335 mg/L	0.18335 mg/L	
1 Cr 267.716	1054.0	1296.4	0.00937 mg/L	0.00937 mg/L	
1 Cu 324.754	2035.2	2503.4	0.00661 mg/L	0.00661 mg/L	
1 Fe 234.349	1721037.8	2116951.3	179.43 mg/L	179.43 mg/L	
1 K 766.491	-618.7	-761.1	0.02522 mg/L	0.02522 mg/L	
1 Mo 202.030	-15.3	-18.8	-0.00288 mg/L	-0.00288 mg/L	
1 Mn 257.610	2126.0	2615.1	0.01362 mg/L	0.01362 mg/L	
1 Mg 279.079	850107.5	1045669.1	495.08 mg/L	495.08 mg/L	
1 Ni 231.604	17.3	21.2	0.00332 mg/L	0.00332 mg/L	
1 Pb 220.353	187.7	230.9	-0.02129 mg/L	-0.02129 mg/L	
1 Sn 189.933	31.8	39.1	0.32941 mg/L	0.32941 mg/L	
1 Se 196.026	80.1	98.5	-0.00097 mg/L	-0.00097 mg/L	
1 Sb 206.833	44.0	54.1	0.23869 mg/L	0.23869 mg/L	
1 V 292.402	2534.9	3118.0	0.05186 mg/L	0.05186 mg/L	
1 Tl 190.800	-13.2	-16.3	0.00745 mg/L	0.00745 mg/L	
1 Zn 213.856	2290.9	2817.9	0.05130 mg/L	0.05130 mg/L	
1 Na 330.237	295.6	363.6	-0.31280 mg/L	-0.31280 mg/L	
1 Sr 407.771	276765.4	340433.4			
1 K 404.721	2651.2	3261.1	0.00000 mg/L	0.00000 mg/L	
2 Y 324.228	300804.2	300804.2	0.813 mg/L		
2 Ag 328.068	-671.8	-825.9	-0.02111 mg/L	-0.02111 mg/L	
2 Al 308.215	1450000.1	1782635.5	507.45 mg/L	507.45 mg/L	
2 As 193.696	277.3	340.9	0.42842 mg/L	0.42842 mg/L	
2 B 249.773	1781.0	2189.6	0.08047 mg/L	0.08047 mg/L	
2 Ba 233.527	102.4	125.9	0.00418 mg/L	0.00418 mg/L	
2 Be 313.042	776.7	954.9	0.00038 mg/L	0.00038 mg/L	
2 Ca 315.887	5736181.8	7052082.9	487.63 mg/L	487.63 mg/L	
2 Cd 214.438	699.8	860.4	0.01367 mg/L	0.01367 mg/L	
2 Co 238.892	3504.5	4308.4	0.18326 mg/L	0.18326 mg/L	
2 Cr 267.716	1031.6	1268.3	0.00888 mg/L	0.00888 mg/L	
2 Cu 324.754	2015.4	2477.7	0.00641 mg/L	0.00641 mg/L	
2 Fe 234.349	1722856.9	2118086.5	179.53 mg/L	179.53 mg/L	
2 K 766.491	-2477.6	-3046.0	0.01744 mg/L	0.01744 mg/L	
2 Mo 202.030	-18.8	-23.1	-0.00370 mg/L	-0.00370 mg/L	
2 Mn 257.610	2129.4	2618.0	0.01364 mg/L	0.01364 mg/L	
2 Mg 279.079	852685.0	1048294.0	496.33 mg/L	496.33 mg/L	
2 Ni 231.604	12.5	15.4	0.00248 mg/L	0.00248 mg/L	
2 Pb 220.353	203.4	250.1	-0.01337 mg/L	-0.01337 mg/L	
2 Sn 189.933	25.0	30.7	0.32325 mg/L	0.32325 mg/L	
2 Se 196.026	82.0	100.9	0.00157 mg/L	0.00157 mg/L	
2 Sb 206.833	39.2	48.1	0.23205 mg/L	0.23205 mg/L	
2 V 292.402	2569.9	3159.5	0.05252 mg/L	0.05252 mg/L	
2 Tl 190.800	-1.6	-2.0	0.02123 mg/L	0.02123 mg/L	
2 Zn 213.856	2300.8	2828.6	0.05153 mg/L	0.05153 mg/L	
2 Na 330.237	316.4	389.0	-0.21891 mg/L	-0.21891 mg/L	
2 Sr 407.771	279916.5	344130.3			
2 K 404.721	2801.3	3443.9	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: ICSAI Seq. No.: 14 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:48:47 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 324.228	300726.0	0.813	0.0003	mg/L				0.04%
Ag 328.068	-827.8	-0.02115	0.000062	mg/L	-0.02115	0.000062	mg/L	0.29%
Al 308.215	1782976.2	507.55	0.137	mg/L	507.55	0.137	mg/L	0.03%
As 193.696	337.7	0.41948	0.012653	mg/L	0.41948	0.012653	mg/L	3.02%
B 249.773	2156.0	0.07912	0.001908	mg/L	0.07912	0.001908	mg/L	2.41%
Ba 233.527	121.6	0.00405	0.000186	mg/L	0.00405	0.000186	mg/L	4.59%
Be 313.042	962.7	0.00038	0.000011	mg/L	0.00038	0.000011	mg/L	2.93%
Ca 315.887	7035019.2	486.45	1.669	mg/L	486.45	1.669	mg/L	0.34%
Cd 214.438	862.6	0.01374	0.000100	mg/L	0.01374	0.000100	mg/L	0.73%
Co 238.892	4309.6	0.18331	0.000069	mg/L	0.18331	0.000069	mg/L	0.04%
Cr 267.716	1282.3	0.00913	0.000343	mg/L	0.00913	0.000343	mg/L	3.76%
Cu 324.754	2490.5	0.00651	0.000143	mg/L	0.00651	0.000143	mg/L	2.19%
Fe 234.349	2117518.9	179.48	0.068	mg/L	179.48	0.068	mg/L	0.04%
K 766.491	-1903.5	0.02133	0.005504	mg/L	0.02133	0.005504	mg/L	25.81%
Mo 202.030	-20.9	-0.00329	0.000577	mg/L	-0.00329	0.000577	mg/L	17.52%
Mn 257.610	2616.5	0.01363	0.000011	mg/L	0.01363	0.000011	mg/L	0.08%
Mg 279.079	1046981.6	495.70	0.879	mg/L	495.70	0.879	mg/L	0.18%

Ni 231.604	18.3	0.00290	0.000595 mg/L	0.00290	0.000595 mg/L	20.53%
Pb 220.353	240.5	-0.01733	0.005601 mg/L	-0.01733	0.005601 mg/L	32.33%
Sn 189.933	34.9	0.32633	0.004354 mg/L	0.32633	0.004354 mg/L	1.33%
Se 196.026	99.7	0.00030	0.001790 mg/L	0.00030	0.001790 mg/L	595.58%
Sb 206.833	51.1	0.23537	0.004692 mg/L	0.23537	0.004692 mg/L	1.99%
V 292.402	3138.8	0.05219	0.000469 mg/L	0.05219	0.000469 mg/L	0.90%
Tl 190.800	-9.1	0.01434	0.009749 mg/L	0.01434	0.009749 mg/L	67.98%
Zn 213.856	2823.2	0.05142	0.000166 mg/L	0.05142	0.000166 mg/L	0.32%
Na 330.237	376.3	-0.26586	0.066396 mg/L	-0.26586	0.066396 mg/L	24.97%
Sr 407.771	342281.9					0.76%
K 404.721	3352.5	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: ICSABI Date: 11/18/96 7:50:34 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	300276.1	300276.1	0.812	mg/L		
1	Ag 328.068	37419.4	46084.4	1.0656	mg/L	1.0656	mg/L
1	Al 308.215	1444529.3	1779033.1	506.43	mg/L	506.43	mg/L
1	As 193.696	267.4	329.4	0.39816	mg/L	0.39816	mg/L
1	B 249.773	1742.0	2145.3	0.07869	mg/L	0.07869	mg/L
1	Ba 233.527	13042.0	16062.1	0.49788	mg/L	0.49788	mg/L
1	Be 313.042	416023.9	512360.9	0.51068	mg/L	0.51068	mg/L
1	Ca 315.887	5733427.4	7061094.1	488.26	mg/L	488.26	mg/L
1	Cd 214.438	24125.4	29712.0	0.97901	mg/L	0.97901	mg/L
1	Co 238.892	12359.1	15221.1	0.64212	mg/L	0.64212	mg/L
1	Cr 267.716	24102.5	29683.8	0.49645	mg/L	0.49645	mg/L
1	Cu 324.754	54894.8	67606.6	0.52060	mg/L	0.52060	mg/L
1	Fe 234.349	1722758.5	2121690.8	179.83	mg/L	179.83	mg/L
1	K 766.491	-4464.5	-5498.3	0.00908	mg/L	0.00908	mg/L
1	Mo 202.030	-13.6	-16.8	-0.00230	mg/L	-0.00230	mg/L
1	Mn 257.610	75160.3	92564.9	0.49310	mg/L	0.49310	mg/L
1	Mg 279.079	850576.9	1047541.6	495.97	mg/L	495.97	mg/L
1	Ni 231.604	5013.3	6174.2	0.89234	mg/L	0.89234	mg/L
1	Pb 220.353	2027.3	2496.7	0.90905	mg/L	0.90905	mg/L
1	Sn 189.933	28.0	34.5	0.32785	mg/L	0.32785	mg/L
1	Se 196.026	65.1	80.2	-0.02144	mg/L	-0.02144	mg/L
1	Sb 206.833	32.6	40.1	0.22320	mg/L	0.22320	mg/L
1	V 292.402	27294.0	33614.3	0.53952	mg/L	0.53952	mg/L
1	Tl 190.800	-10.2	-12.5	0.01178	mg/L	0.01178	mg/L
1	Zn 213.856	42044.8	51781.0	1.1268	mg/L	1.1268	mg/L
1	Na 330.237	349.1	430.0	-0.06703	mg/L	-0.06703	mg/L
1	Sr 407.771	274146.5	337629.5				
1	K 404.721	2651.2	3265.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	297439.7	297439.7	0.804	mg/L		
2	Ag 328.068	37024.6	46033.1	1.0644	mg/L	1.0644	mg/L
2	Al 308.215	1463312.8	1819351.8	517.90	mg/L	517.90	mg/L
2	As 193.696	277.9	345.5	0.42840	mg/L	0.42840	mg/L
2	B 249.773	1760.0	2188.2	0.08041	mg/L	0.08041	mg/L
2	Ba 233.527	13042.2	16215.5	0.50264	mg/L	0.50264	mg/L
2	Be 313.042	417538.3	519129.7	0.51744	mg/L	0.51744	mg/L
2	Ca 315.887	5747200.3	7145553.1	494.10	mg/L	494.10	mg/L
2	Cd 214.438	24176.1	30058.3	0.99036	mg/L	0.99036	mg/L
2	Co 238.892	12459.2	15490.6	0.65346	mg/L	0.65346	mg/L
2	Cr 267.716	24032.0	29879.2	0.49980	mg/L	0.49980	mg/L
2	Cu 324.754	53961.6	67091.0	0.51653	mg/L	0.51653	mg/L
2	Fe 234.349	1726257.2	2146273.3	181.92	mg/L	181.92	mg/L
2	K 766.491	-4872.5	-6058.0	0.00717	mg/L	0.00717	mg/L
2	Mo 202.030	-11.4	-14.2	-0.00179	mg/L	-0.00179	mg/L
2	Mn 257.610	74919.4	93148.1	0.49621	mg/L	0.49621	mg/L
2	Mg 279.079	853206.3	1060800.2	502.25	mg/L	502.25	mg/L
2	Ni 231.604	5017.7	6238.5	0.90164	mg/L	0.90164	mg/L
2	Pb 220.353	2016.1	2506.6	0.91077	mg/L	0.91077	mg/L
2	Sn 189.933	24.6	30.6	0.32949	mg/L	0.32949	mg/L
2	Se 196.026	52.0	64.6	-0.03937	mg/L	-0.03937	mg/L
2	Sb 206.833	36.8	45.8	0.23309	mg/L	0.23309	mg/L
2	V 292.402	27072.5	33659.5	0.54024	mg/L	0.54024	mg/L
2	Tl 190.800	-11.0	-13.7	0.01062	mg/L	0.01062	mg/L
2	Zn 213.856	42013.3	52235.6	1.1367	mg/L	1.1367	mg/L
2	Na 330.237	338.7	421.1	-0.09984	mg/L	-0.09984	mg/L
2	Sr 407.771	277974.3	345608.3				
2	K 404.721	2701.2	3358.5	0.00000	mg/L	0.00000	mg/L

Mean Data

ID: ICSABI Seq. No.: 15 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:50:34 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	298857.9	0.808	0.0054	mg/L				0.67%
Ag 328.068	46058.8	1.0650	0.00084	mg/L	1.0650	0.00084	mg/L	0.08%
Al 308.215	1799192.5	512.17	8.116	mg/L	512.17	8.116	mg/L	1.58%
As 193.696	337.4	0.41328	0.021385	mg/L	0.41328	0.021385	mg/L	5.17%
B 249.773	2166.8	0.07955	0.001217	mg/L	0.07955	0.001217	mg/L	1.53%
Ba 233.527	16138.8	0.50026	0.003360	mg/L	0.50026	0.003360	mg/L	0.67%
Be 313.042	515745.3	0.51406	0.004778	mg/L	0.51406	0.004778	mg/L	0.93%
Ca 315.887	7103323.6	491.18	4.130	mg/L	491.18	4.130	mg/L	0.84%
Cd 214.438	29885.2	0.98469	0.008025	mg/L	0.98469	0.008025	mg/L	0.82%
Co 238.892	15355.8	0.64779	0.008017	mg/L	0.64779	0.008017	mg/L	1.24%
Cr 267.716	29781.5	0.49813	0.002371	mg/L	0.49813	0.002371	mg/L	0.48%
Cu 324.754	67348.8	0.51856	0.002877	mg/L	0.51856	0.002877	mg/L	0.55%
Fe 234.349	2133982.1	180.88	1.474	mg/L	180.88	1.474	mg/L	0.81%
K 766.491	-5778.1	0.00813	0.001348	mg/L	0.00813	0.001348	mg/L	16.59%
Mo 202.030	-15.5	-0.00204	0.000361	mg/L	-0.00204	0.000361	mg/L	17.69%
Mn 257.610	92856.5	0.49465	0.002198	mg/L	0.49465	0.002198	mg/L	0.44%
Mg 279.079	1054170.9	499.11	4.439	mg/L	499.11	4.439	mg/L	0.89%
Ni 231.604	6206.3	0.89699	0.006575	mg/L	0.89699	0.006575	mg/L	0.73%
Pb 220.353	2501.7	0.90991	0.001212	mg/L	0.90991	0.001212	mg/L	0.13%
Sn 189.933	32.5	0.32867	0.001160	mg/L	0.32867	0.001160	mg/L	0.35%
Se 196.026	72.4	-0.03040	0.012677	mg/L	-0.03040	0.012677	mg/L	41.70%
Sb 206.833	42.9	0.22815	0.006994	mg/L	0.22815	0.006994	mg/L	3.07%
V 292.402	33636.9	0.53988	0.000511	mg/L	0.53988	0.000511	mg/L	0.09%
Tl 190.800	-13.1	0.01120	0.000819	mg/L	0.01120	0.000819	mg/L	7.32%
Zn 213.856	52008.3	1.1317	0.00706	mg/L	1.1317	0.00706	mg/L	0.62%
Na 330.237	425.5	-0.08343	0.023202	mg/L	-0.08343	0.023202	mg/L	27.81%
Sr 407.771	341618.9							1.65%
K 404.721	3311.8	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: CCVA1 Date: 11/18/96 7:52:22 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	352669.0	352669.0	0.954	mg/L		
1	Ag 328.068	7731.7	8107.5	0.18584	mg/L	0.18584	mg/L
1	Al 308.215	64356.3	67484.2	19.166	mg/L	19.166	mg/L
1	As 193.696	79.2	83.1	0.18415	mg/L	0.18415	mg/L
1	B 249.773	10068.5	10557.8	0.41614	mg/L	0.41614	mg/L
1	Ba 233.527	12195.2	12788.0	0.39645	mg/L	0.39645	mg/L
1	Be 313.042	197105.6	206685.5	0.20558	mg/L	0.20558	mg/L
1	Ca 315.887	286584.9	300513.9	20.782	mg/L	20.782	mg/L
1	Cd 214.438	5909.2	6196.4	0.20258	mg/L	0.20258	mg/L
1	Co 238.892	9318.7	9771.6	0.41490	mg/L	0.41490	mg/L
1	Cr 267.716	22698.0	23801.2	0.39690	mg/L	0.39690	mg/L
1	Cu 324.754	47918.9	50247.9	0.38325	mg/L	0.38325	mg/L
1	Fe 234.349	235133.1	246561.3	20.863	mg/L	20.863	mg/L
1	K 766.491	6238353.2	6541557.0	22.312	mg/L	22.312	mg/L
1	Mo 202.030	1926.0	2019.6	0.39090	mg/L	0.39090	mg/L
1	Mn 257.610	70090.3	73496.9	0.39146	mg/L	0.39146	mg/L
1	Mg 279.079	40737.3	42717.3	20.227	mg/L	20.227	mg/L
1	Ni 231.604	2597.4	2723.7	0.39379	mg/L	0.39379	mg/L
1	Pb 220.353	945.8	991.7	0.39274	mg/L	0.39274	mg/L
1	Sn 189.933	485.2	508.7	0.41758	mg/L	0.41758	mg/L
1	Se 196.026	390.1	409.1	0.40562	mg/L	0.40562	mg/L
1	Sb 206.833	352.6	369.7	0.41997	mg/L	0.41997	mg/L
1	V 292.402	23981.2	25146.7	0.40411	mg/L	0.40411	mg/L
1	Tl 190.800	174.1	182.5	0.20017	mg/L	0.20017	mg/L
1	Zn 213.856	18616.6	19521.4	0.41818	mg/L	0.41818	mg/L
1	Na 330.237	5824.6	6107.7	20.966	mg/L	20.966	mg/L
1	Sr 407.771	7071.6	7415.3				
1	K 404.721	1821.7	1910.2	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	353631.3	353631.3	0.956	mg/L		
2	Ag 328.068	8195.5	8570.4	0.19657	mg/L	0.19657	mg/L
2	Al 308.215	64521.2	67473.0	19.163	mg/L	19.163	mg/L
2	As 193.696	74.9	78.4	0.17158	mg/L	0.17158	mg/L
2	B 249.773	10131.6	10595.1	0.41764	mg/L	0.41764	mg/L

2	Ba 233.527	12235.3	12795.0	0.39667	mg/L	0.39667 mg/L
2	Be 313.042	197988.4	207046.4	0.20594	mg/L	0.20594 mg/L
2	Ca 315.887	287050.6	300183.1	20.759	mg/L	20.759 mg/L
2	Cd 214.438	5948.2	6220.3	0.20338	mg/L	0.20338 mg/L
2	Co 238.892	9327.0	9753.7	0.41416	mg/L	0.41416 mg/L
2	Cr 267.716	22738.1	23778.3	0.39651	mg/L	0.39651 mg/L
2	Cu 324.754	47948.4	50142.1	0.38242	mg/L	0.38242 mg/L
2	Fe 234.349	235581.7	246359.5	20.846	mg/L	20.846 mg/L
2	K 766.491	6253441.7	6539535.6	22.306	mg/L	22.306 mg/L
2	Mo 202.030	1942.8	2031.6	0.39323	mg/L	0.39323 mg/L
2	Mn 257.610	70335.1	73552.9	0.39176	mg/L	0.39176 mg/L
2	Mg 279.079	40747.6	42611.7	20.177	mg/L	20.177 mg/L
2	Ni 231.604	2595.9	2714.7	0.39249	mg/L	0.39249 mg/L
2	Pb 220.353	950.5	994.0	0.39367	mg/L	0.39367 mg/L
2	Sn 189.933	485.8	508.0	0.41696	mg/L	0.41696 mg/L
2	Se 196.026	392.9	410.8	0.40746	mg/L	0.40746 mg/L
2	Sb 206.833	359.0	375.4	0.42669	mg/L	0.42669 mg/L
2	V 292.402	24092.9	25195.2	0.40489	mg/L	0.40489 mg/L
2	Tl 190.800	173.4	181.4	0.19906	mg/L	0.19906 mg/L
2	Zn 213.856	18646.6	19499.7	0.41771	mg/L	0.41771 mg/L
2	Na 330.237	5851.9	6119.7	21.010	mg/L	21.010 mg/L
2	Sr 407.771	7042.8	7365.0			
2	K 404.721	1751.5	1831.6	0.00000	mg/L	0.00000 mg/L

Mean Data ----------

ID: CCVA1 Seq. No.: 16 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:52:22 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	353150.1	0.955	0.0018	mg/L				0.19%
Ag 328.068	8339.0	0.19121	0.007583	mg/L	0.19121	0.007583	mg/L	3.97%
Al 308.215	67478.6	19.165	0.0023	mg/L	19.165	0.0023	mg/L	0.01%
As 193.696	80.7	0.17786	0.008892	mg/L	0.17786	0.008892	mg/L	5.00%
B 249.773	10576.5	0.41689	0.001058	mg/L	0.41689	0.001058	mg/L	0.25%
Ba 233.527	12791.5	0.39656	0.000154	mg/L	0.39656	0.000154	mg/L	0.04%
Be 313.042	206866.0	0.20576	0.000255	mg/L	0.20576	0.000255	mg/L	0.12%
Ca 315.887	300348.5	20.771	0.0162	mg/L	20.771	0.0162	mg/L	0.08%
Cd 214.438	6208.4	0.20298	0.000567	mg/L	0.20298	0.000567	mg/L	0.28%
Co 238.892	9762.7	0.41453	0.000525	mg/L	0.41453	0.000525	mg/L	0.13%
Cr 267.716	23789.7	0.39671	0.000271	mg/L	0.39671	0.000271	mg/L	0.07%
Cu 324.754	50195.0	0.38284	0.000592	mg/L	0.38284	0.000592	mg/L	0.15%
Fe 234.349	246460.4	20.854	0.0121	mg/L	20.854	0.0121	mg/L	0.06%
K 766.491	6540546.3	22.309	0.0049	mg/L	22.309	0.0049	mg/L	0.02%
Mo 202.030	2025.6	0.39206	0.001647	mg/L	0.39206	0.001647	mg/L	0.42%
Mn 257.610	73524.9	0.39161	0.000211	mg/L	0.39161	0.000211	mg/L	0.05%
Mg 279.079	42664.5	20.202	0.0353	mg/L	20.202	0.0353	mg/L	0.17%
Ni 231.604	2719.2	0.39314	0.000918	mg/L	0.39314	0.000918	mg/L	0.23%
Pb 220.353	992.9	0.39320	0.000656	mg/L	0.39320	0.000656	mg/L	0.17%
Sn 189.933	508.4	0.41727	0.000444	mg/L	0.41727	0.000444	mg/L	0.11%
Se 196.026	410.0	0.40654	0.001307	mg/L	0.40654	0.001307	mg/L	0.32%
Sb 206.833	372.5	0.42333	0.004754	mg/L	0.42333	0.004754	mg/L	1.12%
V 292.402	25170.9	0.40450	0.000547	mg/L	0.40450	0.000547	mg/L	0.14%
Tl 190.800	182.0	0.19962	0.000784	mg/L	0.19962	0.000784	mg/L	0.39%
Zn 213.856	19510.5	0.41795	0.000336	mg/L	0.41795	0.000336	mg/L	0.08%
Na 330.237	6113.7	20.988	0.0314	mg/L	20.988	0.0314	mg/L	0.15%
Sr 407.771	7390.2							0.48%
K 404.721	1870.9	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: CCB1 Date: 11/18/96 7:54:13 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	364829.8	364829.8	0.987	mg/L		
1	Ag 328.068	371.9	377.0	0.00676	mg/L	0.00676	mg/L
1	Al 308.215	384.6	389.8	0.06437	mg/L	0.06437	mg/L
1	As 193.696	5.0	5.0	-0.00507	mg/L	-0.00507	mg/L
1	B 249.773	265.1	268.8	0.00342	mg/L	0.00342	mg/L
1	Ba 233.527	-5.0	-5.1	0.00012	mg/L	0.00012	mg/L
1	Be 313.042	699.0	708.6	0.00016	mg/L	0.00016	mg/L
1	Ca 315.887	1111.1	1126.3	0.07926	mg/L	0.07926	mg/L
1	Cd 214.438	145.1	147.1	0.00028	mg/L	0.00028	mg/L
1	Co 238.892	-42.7	-43.2	0.00032	mg/L	0.00032	mg/L

1	Cr 267.716	758.2	768.6	0.00034 mg/L	0.00034 mg/L
1	Cu 324.754	1760.9	1785.0	0.00091 mg/L	0.00091 mg/L
1	Fe 234.349	903.3	915.7	0.03714 mg/L	0.03714 mg/L
1	K 766.491	-4059.9	-4115.3	0.01379 mg/L	0.01379 mg/L
1	Mo 202.030	22.7	23.0	0.00517 mg/L	0.00517 mg/L
1	Mn 257.610	107.9	109.4	0.00027 mg/L	0.00027 mg/L
1	Mg 279.079	153.7	155.8	0.07187 mg/L	0.07187 mg/L
1	Ni 231.604	4.0	4.0	0.00083 mg/L	0.00083 mg/L
1	Pb 220.353	36.4	36.9	0.00355 mg/L	0.00355 mg/L
1	Sn 189.933	9.8	9.9	0.00277 mg/L	0.00277 mg/L
1	Se 196.026	19.4	19.7	0.00566 mg/L	0.00566 mg/L
1	Sb 206.833	23.2	23.6	-0.00156 mg/L	-0.00156 mg/L
1	V 292.402	-110.9	-112.4	0.00020 mg/L	0.00020 mg/L
1	Tl 190.800	-21.0	-21.3	0.00309 mg/L	0.00309 mg/L
1	Zn 213.856	481.1	487.7	0.00012 mg/L	0.00012 mg/L
1	Na 330.237	455.9	462.1	0.05191 mg/L	0.05191 mg/L
1	Sr 407.771	1963.0	1989.8		
1	K 404.721	3929.2	3982.8	0.00000 mg/L	0.00000 mg/L
2	Y 324.228	365970.6	365970.6	0.990 mg/L	
2	Ag 328.068	316.9	320.2	0.00544 mg/L	0.00544 mg/L
2	Al 308.215	386.2	390.3	0.06450 mg/L	0.06450 mg/L
2	As 193.696	8.6	8.7	0.00470 mg/L	0.00470 mg/L
2	B 249.773	269.6	272.5	0.00357 mg/L	0.00357 mg/L
2	Ba 233.527	-2.4	-2.4	0.00021 mg/L	0.00021 mg/L
2	Be 313.042	652.8	659.7	0.00011 mg/L	0.00011 mg/L
2	Ca 315.887	946.0	955.9	0.06748 mg/L	0.06748 mg/L
2	Cd 214.438	139.2	140.7	0.00007 mg/L	0.00007 mg/L
2	Co 238.892	-47.5	-48.0	0.00012 mg/L	0.00012 mg/L
2	Cr 267.716	750.6	758.5	0.00016 mg/L	0.00016 mg/L
2	Cu 324.754	1725.1	1743.2	0.00059 mg/L	0.00059 mg/L
2	Fe 234.349	834.1	842.9	0.03097 mg/L	0.03097 mg/L
2	K 766.491	-4647.9	-4696.7	0.01181 mg/L	0.01181 mg/L
2	Mo 202.030	17.3	17.5	0.00411 mg/L	0.00411 mg/L
2	Mn 257.610	97.7	98.7	0.00021 mg/L	0.00021 mg/L
2	Mg 279.079	127.2	128.5	0.05893 mg/L	0.05893 mg/L
2	Ni 231.604	4.9	5.0	0.00097 mg/L	0.00097 mg/L
2	Pb 220.353	34.6	35.0	0.00278 mg/L	0.00278 mg/L
2	Sn 189.933	9.6	9.7	0.00257 mg/L	0.00257 mg/L
2	Se 196.026	19.5	19.7	0.00569 mg/L	0.00569 mg/L
2	Sb 206.833	26.1	26.4	0.00177 mg/L	0.00177 mg/L
2	V 292.402	-100.4	-101.5	0.00037 mg/L	0.00037 mg/L
2	Tl 190.800	-20.9	-21.1	0.00332 mg/L	0.00332 mg/L
2	Zn 213.856	477.7	482.7	0.00001 mg/L	0.00001 mg/L
2	Na 330.237	458.1	462.9	0.05495 mg/L	0.05495 mg/L
2	Sr 407.771	1910.0	1930.0		
2	K 404.721	3973.6	4015.3	0.00000 mg/L	0.00000 mg/L

Mean Data

ID: CCB1 Seq. No.: 17 Sample No.: 0 A/S Pos: 0

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 7:54:13 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	365400.2	0.988	0.0022	mg/L				0.22%
Ag 328.068	348.6	0.00610	0.000931	mg/L	0.00610	0.000931	mg/L	15.26%
Al 308.215	390.0	0.06444	0.000093	mg/L	0.06444	0.000093	mg/L	0.14%
As 193.696	6.9	-0.00019	0.006908	mg/L	-0.00019	0.006908	mg/L	3728.33%
B 249.773	270.6	0.00349	0.000105	mg/L	0.00349	0.000105	mg/L	3.01%
Ba 233.527	-3.7	0.00017	0.000059	mg/L	0.00017	0.000059	mg/L	35.63%
Be 313.042	684.1	0.00013	0.000035	mg/L	0.00013	0.000035	mg/L	26.38%
Ca 315.887	1041.1	0.07337	0.008328	mg/L	0.07337	0.008328	mg/L	11.35%
Cd 214.438	143.9	0.00017	0.000152	mg/L	0.00017	0.000152	mg/L	87.19%
Co 238.892	-45.6	0.00022	0.000144	mg/L	0.00022	0.000144	mg/L	66.21%
Cr 267.716	763.5	0.00025	0.000125	mg/L	0.00025	0.000125	mg/L	49.71%
Cu 324.754	1764.1	0.00075	0.000233	mg/L	0.00075	0.000233	mg/L	31.03%
Fe 234.349	879.3	0.03406	0.004364	mg/L	0.03406	0.004364	mg/L	12.81%
K 766.491	-4406.0	0.01280	0.001400	mg/L	0.01280	0.001400	mg/L	10.94%
Mo 202.030	20.2	0.00464	0.000755	mg/L	0.00464	0.000755	mg/L	16.27%
Mn 257.610	104.1	0.00024	0.000040	mg/L	0.00024	0.000040	mg/L	16.69%
Mg 279.079	142.2	0.06540	0.009153	mg/L	0.06540	0.009153	mg/L	14.00%
Ni 231.604	4.5	0.00090	0.000098	mg/L	0.00090	0.000098	mg/L	10.93%
Pb 220.353	35.9	0.00316	0.000546	mg/L	0.00316	0.000546	mg/L	17.27%
Sn 189.933	9.8	0.00267	0.000140	mg/L	0.00267	0.000140	mg/L	5.23%
Se 196.026	19.7	0.00567	0.000024	mg/L	0.00567	0.000024	mg/L	0.42%

Sb 206.833	25.0	0.00010	0.002355 mg/L	0.00010	0.002355 mg/L	2294.93%
V 292.402	-106.9	0.00028	0.000124 mg/L	0.00028	0.000124 mg/L	43.48%
Tl 190.800	-21.2	0.00321	0.000156 mg/L	0.00321	0.000156 mg/L	4.86%
Zn 213.856	485.2	0.00006	0.000077 mg/L	0.00006	0.000077 mg/L	127.39%
Na 330.237	462.5	0.05343	0.002156 mg/L	0.05343	0.002156 mg/L	4.04%
Sr 407.771	1959.9					2.16%
K 404.721	3999.1	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: PBW:14912 Date: 11/18/96 7:56:08 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	358636.5	358636.5	0.970	mg/L		
1	Ag 328.068	414.9	427.8	0.00794	mg/L	0.00794	mg/L
1	Al 308.215	204.5	210.8	0.01341	mg/L	0.01341	mg/L
1	As 193.696	6.9	7.1	0.00056	mg/L	0.00056	mg/L
1	B 249.773	1752.7	1807.3	0.06513	mg/L	0.06513	mg/L
1	Ba 233.527	-7.4	-7.7	0.00005	mg/L	0.00005	mg/L
1	Be 313.042	545.7	562.7	0.00001	mg/L	0.00001	mg/L
1	Ca 315.887	455.4	469.6	0.03385	mg/L	0.03385	mg/L
1	Cd 214.438	140.4	144.7	0.00020	mg/L	0.00020	mg/L
1	Co 238.892	-52.4	-54.0	-0.00015	mg/L	-0.00015	mg/L
1	Cr 267.716	802.5	827.5	0.00134	mg/L	0.00134	mg/L
1	Cu 324.754	1614.9	1665.2	-0.00003	mg/L	-0.00003	mg/L
1	Fe 234.349	678.1	699.3	0.01880	mg/L	0.01880	mg/L
1	K 766.491	-6859.5	-7073.2	0.00372	mg/L	0.00372	mg/L
1	Mo 202.030	3.2	3.3	0.00137	mg/L	0.00137	mg/L
1	Mn 257.610	72.7	75.0	0.00008	mg/L	0.00008	mg/L
1	Mg 279.079	53.2	54.9	0.02407	mg/L	0.02407	mg/L
1	Ni 231.604	1.3	1.3	0.00044	mg/L	0.00044	mg/L
1	Pb 220.353	36.0	37.1	0.00364	mg/L	0.00364	mg/L
1	Sn 189.933	13.1	13.5	0.00564	mg/L	0.00564	mg/L
1	Se 196.026	13.2	13.6	-0.00078	mg/L	-0.00078	mg/L
1	Sb 206.833	28.8	29.7	0.00571	mg/L	0.00571	mg/L
1	V 292.402	-102.7	-105.9	0.00030	mg/L	0.00030	mg/L
1	Tl 190.800	-20.6	-21.3	0.00312	mg/L	0.00312	mg/L
1	Zn 213.856	1149.8	1185.7	0.01545	mg/L	0.01545	mg/L
1	Na 330.237	458.5	472.8	0.09168	mg/L	0.09168	mg/L
1	Sr 407.771	2801.2	2888.5				
1	K 404.721	4002.2	4126.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	360318.1	360318.1	0.974	mg/L		
2	Ag 328.068	334.8	343.6	0.00598	mg/L	0.00598	mg/L
2	Al 308.215	177.8	182.5	0.00534	mg/L	0.00534	mg/L
2	As 193.696	7.7	7.9	0.00256	mg/L	0.00256	mg/L
2	B 249.773	1762.7	1809.1	0.06521	mg/L	0.06521	mg/L
2	Ba 233.527	-4.3	-4.4	0.00015	mg/L	0.00015	mg/L
2	Be 313.042	548.4	562.9	0.00001	mg/L	0.00001	mg/L
2	Ca 315.887	445.5	457.2	0.03300	mg/L	0.03300	mg/L
2	Cd 214.438	139.9	143.6	0.00016	mg/L	0.00016	mg/L
2	Co 238.892	-50.2	-51.6	-0.00005	mg/L	-0.00005	mg/L
2	Cr 267.716	781.2	801.8	0.00090	mg/L	0.00090	mg/L
2	Cu 324.754	1644.1	1687.4	0.00015	mg/L	0.00015	mg/L
2	Fe 234.349	655.3	672.6	0.01654	mg/L	0.01654	mg/L
2	K 766.491	-6962.1	-7145.5	0.00347	mg/L	0.00347	mg/L
2	Mo 202.030	2.0	2.1	0.00114	mg/L	0.00114	mg/L
2	Mn 257.610	72.6	74.6	0.00008	mg/L	0.00008	mg/L
2	Mg 279.079	55.5	57.0	0.02507	mg/L	0.02507	mg/L
2	Ni 231.604	-0.2	-0.2	0.00022	mg/L	0.00022	mg/L
2	Pb 220.353	33.3	34.2	0.00243	mg/L	0.00243	mg/L
2	Sn 189.933	13.4	13.7	0.00578	mg/L	0.00578	mg/L
2	Se 196.026	25.7	26.3	0.01263	mg/L	0.01263	mg/L
2	Sb 206.833	30.9	31.7	0.00809	mg/L	0.00809	mg/L
2	V 292.402	-129.5	-132.9	-0.00013	mg/L	-0.00013	mg/L
2	Tl 190.800	-17.5	-18.0	0.00630	mg/L	0.00630	mg/L
2	Zn 213.856	1136.5	1166.4	0.01502	mg/L	0.01502	mg/L
2	Na 330.237	464.4	476.6	0.10572	mg/L	0.10572	mg/L
2	Sr 407.771	2866.5	2942.0				
2	K 404.721	4073.5	4180.8	0.00000	mg/L	0.00000	mg/L

Mean Data ----------

ID: PBW:14912 Seq. No.: 18 Sample No.: 0 A/S Pos: 0

Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 7:56:08 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	359477.3	0.972	0.0032	mg/L				0.33%
Ag 328.068	385.7	0.00696	0.001379	mg/L	0.00696	0.001379	mg/L	19.82%
Al 308.215	196.6	0.00937	0.005710	mg/L	0.00937	0.005710	mg/L	60.91%
As 193.696	7.5	0.00156	0.001417	mg/L	0.00156	0.001417	mg/L	90.97%
B 249.773	1808.2	0.06517	0.000052	mg/L	0.06517	0.000052	mg/L	0.08%
Ba 233.527	-6.0	0.00010	0.000071	mg/L	0.00010	0.000071	mg/L	73.84%
Be 313.042	562.8	0.00001	0.000000	mg/L	0.00001	0.000000	mg/L	2.34%
Ca 315.887	463.4	0.03342	0.000605	mg/L	0.03342	0.000605	mg/L	1.81%
Cd 214.438	144.2	0.00018	0.000027	mg/L	0.00018	0.000027	mg/L	14.82%
Co 238.892	-52.8	-0.00010	0.000071	mg/L	-0.00010	0.000071	mg/L	70.79%
Cr 267.716	814.7	0.00112	0.000313	mg/L	0.00112	0.000313	mg/L	27.97%
Cu 324.754	1676.3	0.00006	0.000124	mg/L	0.00006	0.000124	mg/L	206.25%
Fe 234.349	685.9	0.01767	0.001598	mg/L	0.01767	0.001598	mg/L	9.04%
K 766.491	-7109.4	0.00359	0.000174	mg/L	0.00359	0.000174	mg/L	4.85%
Mo 202.030	2.7	0.00125	0.000166	mg/L	0.00125	0.000166	mg/L	13.20%
Mn 257.610	74.8	0.00008	0.000002	mg/L	0.00008	0.000002	mg/L	1.86%
Mg 279.079	55.9	0.02457	0.000703	mg/L	0.02457	0.000703	mg/L	2.86%
Ni 231.604	0.6	0.00033	0.000156	mg/L	0.00033	0.000156	mg/L	47.30%
Pb 220.353	35.6	0.00304	0.000856	mg/L	0.00304	0.000856	mg/L	28.17%
Sn 189.933	13.6	0.00571	0.000096	mg/L	0.00571	0.000096	mg/L	1.67%
Se 196.026	20.0	0.00592	0.009482	mg/L	0.00592	0.009482	mg/L	160.09%
Sb 206.833	30.7	0.00690	0.001678	mg/L	0.00690	0.001678	mg/L	24.32%
V 292.402	-119.4	0.00008	0.000305	mg/L	0.00008	0.000305	mg/L	359.52%
Tl 190.800	-19.6	0.00471	0.002251	mg/L	0.00471	0.002251	mg/L	47.77%
Zn 213.856	1176.0	0.01524	0.000298	mg/L	0.01524	0.000298	mg/L	1.96%
Na 330.237	474.7	0.09870	0.009930	mg/L	0.09870	0.009930	mg/L	10.06%
Sr 407.771	2915.3							1.30%
K 404.721	4153.8	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: LCS:14912 Date: 11/18/96 7:58:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	355289.6	355289.6	0.961	mg/L		
1	Ag 328.068	4101.0	4268.6	0.09691	mg/L	0.09691	mg/L
1	Al 308.215	4468.4	4651.0	1.2796	mg/L	1.2796	mg/L
1	As 193.696	1792.5	1865.8	4.9372	mg/L	4.9372	mg/L
1	B 249.773	27625.4	28754.4	1.1461	mg/L	1.1461	mg/L
1	Ba 233.527	298077.4	310259.5	9.6121	mg/L	9.6121	mg/L
1	Be 313.042	1022310.9	1064091.6	1.0613	mg/L	1.0613	mg/L
1	Ca 315.887	141550.3	147335.3	10.192	mg/L	10.192	mg/L
1	Cd 214.438	29217.6	30411.7	1.0167	mg/L	1.0167	mg/L
1	Co 238.892	21901.8	22796.9	1.0090	mg/L	1.0090	mg/L
1	Cr 267.716	54589.1	56820.1	0.99688	mg/L	0.99688	mg/L
1	Cu 324.754	118689.0	123539.6	0.95475	mg/L	0.95475	mg/L
1	Fe 234.349	12853.2	13378.5	1.0937	mg/L	1.0937	mg/L
1	K 766.491	2621239.0	2728366.1	9.3223	mg/L	9.3223	mg/L
1	Mo 202.030	49185.4	51195.5	9.8876	mg/L	9.8876	mg/L
1	Mn 257.610	176897.6	184127.2	0.98117	mg/L	0.98117	mg/L
1	Mg 279.079	2085.0	2170.2	1.0354	mg/L	1.0354	mg/L
1	Ni 231.604	6523.7	6790.3	0.98137	mg/L	0.98137	mg/L
1	Pb 220.353	2299.0	2392.9	1.0013	mg/L	1.0013	mg/L
1	Sn 189.933	11163.8	11620.0	9.3046	mg/L	9.3046	mg/L
1	Se 196.026	4672.5	4863.5	5.0806	mg/L	5.0806	mg/L
1	Sb 206.833	7964.1	8289.6	9.8420	mg/L	9.8420	mg/L
1	V 292.402	57253.1	59593.0	0.95494	mg/L	0.95494	mg/L
1	Tl 190.800	985.7	1025.9	1.0135	mg/L	1.0135	mg/L
1	Zn 213.856	46015.5	47896.1	1.0414	mg/L	1.0414	mg/L
1	Na 330.237	2885.7	3003.6	9.4670	mg/L	9.4670	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	2843.8	2960.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	355752.8	355752.8	0.962	mg/L		
2	Ag 328.068	4094.4	4256.2	0.09662	mg/L	0.09662	mg/L
2	Al 308.215	4501.2	4679.1	1.2876	mg/L	1.2876	mg/L
2	As 193.696	1797.5	1868.5	4.9443	mg/L	4.9443	mg/L
2	B 249.773	27772.7	28870.1	1.1507	mg/L	1.1507	mg/L
2	Ba 233.527	297926.0	309698.1	9.5947	mg/L	9.5947	mg/L
2	Be 313.042	1023000.0	1063422.4	1.0606	mg/L	1.0606	mg/L
2	Ca 315.887	142479.1	148109.0	10.245	mg/L	10.245	mg/L
2	Cd 214.438	29456.1	30620.0	1.0237	mg/L	1.0237	mg/L

2	Co 238.892	22077.3	22949.6	1.0155 mg/L	1.0155 mg/L
2	Cr 267.716	54974.4	57146.7	1.0025 mg/L	1.0025 mg/L
2	Cu 324.754	118455.6	123136.2	0.95156 mg/L	0.95156 mg/L
2	Fe 234.349	12878.1	13386.9	1.0944 mg/L	1.0944 mg/L
2	K 766.491	2643857.2	2748325.6	9.3903 mg/L	9.3903 mg/L
2	Mo 202.030	49296.1	51243.9	9.8969 mg/L	9.8969 mg/L
2	Mn 257.610	178074.0	185110.4	0.98641 mg/L	0.98641 mg/L
2	Mg 279.079	2077.3	2159.4	1.0304 mg/L	1.0304 mg/L
2	Ni 231.604	6525.7	6783.5	0.98038 mg/L	0.98038 mg/L
2	Pb 220.353	2308.4	2399.7	1.0041 mg/L	1.0041 mg/L
2	Sn 189.933	11196.0	11638.4	9.3193 mg/L	9.3193 mg/L
2	Se 196.026	4675.3	4860.0	5.0769 mg/L	5.0769 mg/L
2	Sb 206.833	7957.9	8272.3	9.8216 mg/L	9.8216 mg/L
2	V 292.402	57631.3	59908.5	0.95999 mg/L	0.95999 mg/L
2	Tl 190.800	986.5	1025.5	1.0131 mg/L	1.0131 mg/L
2	Zn 213.856	46202.2	48027.8	1.0443 mg/L	1.0443 mg/L
2	Na 330.237	2887.8	3001.9	9.4604 mg/L	9.4604 mg/L
2	Sr 407.771	Saturated			
2	K 404.721	2870.9	2984.3	0.00000 mg/L	0.00000 mg/L

Mean Data ----------

ID: LCS:14912 Seq. No.: 19 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:58:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	355521.2	0.961	0.0009	mg/L				0.09%
Ag 328.068	4262.4	0.09677	0.000203	mg/L	0.09677	0.000203	mg/L	0.21%
Al 308.215	4665.0	1.2836	0.00565	mg/L	1.2836	0.00565	mg/L	0.44%
As 193.696	1867.1	4.9407	0.00504	mg/L	4.9407	0.00504	mg/L	0.10%
B 249.773	28812.3	1.1484	0.00328	mg/L	1.1484	0.00328	mg/L	0.29%
Ba 233.527	309978.8	9.6034	0.01230	mg/L	9.6034	0.01230	mg/L	0.13%
Be 313.042	1063757.0	1.0609	0.00047	mg/L	1.0609	0.00047	mg/L	0.04%
Ca 315.887	147722.1	10.218	0.0378	mg/L	10.218	0.0378	mg/L	0.37%
Cd 214.438	30515.9	1.0202	0.00493	mg/L	1.0202	0.00493	mg/L	0.48%
Co 238.892	22873.3	1.0122	0.00457	mg/L	1.0122	0.00457	mg/L	0.45%
Cr 267.716	56983.4	0.99970	0.003986	mg/L	0.99970	0.003986	mg/L	0.40%
Cu 324.754	123337.9	0.95315	0.002255	mg/L	0.95315	0.002255	mg/L	0.24%
Fe 234.349	13382.7	1.0941	0.00050	mg/L	1.0941	0.00050	mg/L	0.05%
K 766.491	2738345.8	9.3563	0.04808	mg/L	9.3563	0.04808	mg/L	0.51%
Mo 202.030	51219.7	9.8923	0.00661	mg/L	9.8923	0.00661	mg/L	0.07%
Mn 257.610	184618.8	0.98379	0.003706	mg/L	0.98379	0.003706	mg/L	0.38%
Mg 279.079	2164.8	1.0329	0.00359	mg/L	1.0329	0.00359	mg/L	0.35%
Ni 231.604	6786.9	0.98088	0.000698	mg/L	0.98088	0.000698	mg/L	0.07%
Pb 220.353	2396.3	1.0027	0.00198	mg/L	1.0027	0.00198	mg/L	0.20%
Sn 189.933	11629.2	9.3120	0.01043	mg/L	9.3120	0.01043	mg/L	0.11%
Se 196.026	4861.7	5.0787	0.00260	mg/L	5.0787	0.00260	mg/L	0.05%
Sb 206.833	8280.9	9.8318	0.01443	mg/L	9.8318	0.01443	mg/L	0.15%
V 292.402	59750.8	0.95746	0.003568	mg/L	0.95746	0.003568	mg/L	0.37%
Tl 190.800	1025.7	1.0133	0.00029	mg/L	1.0133	0.00029	mg/L	0.03%
Zn 213.856	47962.0	1.0429	0.00205	mg/L	1.0429	0.00205	mg/L	0.20%
Na 330.237	3002.8	9.4637	0.00464	mg/L	9.4637	0.00464	mg/L	0.05%
Sr 407.771	Saturated							
K 404.721	2972.2	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 11383-2 Date: 11/18/96 8:00:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	359289.3	359289.3	0.972	mg/L		
1	Ag 328.068	113.9	117.2	0.00074	mg/L	0.00074	mg/L
1	Al 308.215	241.1	248.2	0.02406	mg/L	0.02406	mg/L
1	As 193.696	14.5	15.0	0.02136	mg/L	0.02136	mg/L
1	B 249.773	948.0	975.8	0.03178	mg/L	0.03178	mg/L
1	Ba 233.527	209.3	215.4	0.00696	mg/L	0.00696	mg/L
1	Be 313.042	1145.5	1179.1	0.00062	mg/L	0.00062	mg/L
1	Ca 315.887	6032.3	6209.0	0.43072	mg/L	0.43072	mg/L
1	Cd 214.438	153.1	157.6	0.00064	mg/L	0.00064	mg/L
1	Co 238.892	-38.9	-40.1	0.00056	mg/L	0.00056	mg/L
1	Cr 267.716	874.4	900.0	0.00267	mg/L	0.00267	mg/L
1	Cu 324.754	1885.2	1940.4	0.00213	mg/L	0.00213	mg/L
1	Fe 234.349	1012.5	1042.1	0.04787	mg/L	0.04787	mg/L
1	K 766.491	-206.5	-212.6	0.02709	mg/L	0.02709	mg/L

1 Mo 202.030	130.3	134.2	0.02664 mg/L	0.02664 mg/L	
1 Mn 257.610	324.5	334.0	0.00147 mg/L	0.00147 mg/L	
1 Mg 279.079	225.9	232.5	0.10817 mg/L	0.10817 mg/L	
1 Ni 231.604	7.5	7.7	0.00137 mg/L	0.00137 mg/L	
1 Pb 220.353	35.0	36.0	0.00329 mg/L	0.00329 mg/L	
1 Sn 189.933	33.4	34.4	0.02242 mg/L	0.02242 mg/L	
1 Se 196.026	25.4	26.1	0.01236 mg/L	0.01236 mg/L	
1 Sb 206.833	33.4	34.4	0.01139 mg/L	0.01139 mg/L	
1 V 292.402	-75.5	-77.7	0.00075 mg/L	0.00075 mg/L	
1 Tl 190.800	-14.7	-15.1	0.00904 mg/L	0.00904 mg/L	
1 Zn 213.856	1455.9	1498.5	0.02232 mg/L	0.02232 mg/L	
1 Na 330.237	469.8	483.6	0.13153 mg/L	0.13153 mg/L	
1 Sr 407.771	29518.2	30382.6			
1 K 404.721	3980.5	4097.0	0.00000 mg/L	0.00000 mg/L	
2 Y 324.228	363210.2	363210.2	0.982 mg/L		
2 Ag 328.068	104.6	106.5	0.00049 mg/L	0.00049 mg/L	
2 Al 308.215	234.5	238.7	0.02136 mg/L	0.02136 mg/L	
2 As 193.696	10.6	10.8	0.01019 mg/L	0.01019 mg/L	
2 B 249.773	941.1	958.2	0.03107 mg/L	0.03107 mg/L	
2 Ba 233.527	177.5	180.7	0.00588 mg/L	0.00588 mg/L	
2 Be 313.042	1020.3	1038.9	0.00048 mg/L	0.00048 mg/L	
2 Ca 315.887	6047.3	6157.2	0.42713 mg/L	0.42713 mg/L	
2 Cd 214.438	151.3	154.0	0.00052 mg/L	0.00052 mg/L	
2 Co 238.892	-42.3	-43.0	0.00040 mg/L	0.00040 mg/L	
2 Cr 267.716	858.5	874.1	0.00220 mg/L	0.00220 mg/L	
2 Cu 324.754	1899.4	1933.9	0.00208 mg/L	0.00208 mg/L	
2 Fe 234.349	1022.7	1041.3	0.04780 mg/L	0.04780 mg/L	
2 K 766.491	-429.7	-437.5	0.02632 mg/L	0.02632 mg/L	
2 Mo 202.030	94.9	96.6	0.01940 mg/L	0.01940 mg/L	
2 Mn 257.610	306.0	311.6	0.00135 mg/L	0.00135 mg/L	
2 Mg 279.079	234.6	238.9	0.11118 mg/L	0.11118 mg/L	
2 Ni 231.604	11.9	12.1	0.00200 mg/L	0.00200 mg/L	
2 Pb 220.353	33.2	33.8	0.00233 mg/L	0.00233 mg/L	
2 Sn 189.933	28.2	28.7	0.01786 mg/L	0.01786 mg/L	
2 Se 196.026	32.4	33.0	0.01956 mg/L	0.01956 mg/L	
2 Sb 206.833	30.0	30.5	0.00681 mg/L	0.00681 mg/L	
2 V 292.402	-78.5	-79.9	0.00072 mg/L	0.00072 mg/L	
2 Tl 190.800	-20.6	-20.9	0.00345 mg/L	0.00345 mg/L	
2 Zn 213.856	1439.8	1466.0	0.02160 mg/L	0.02160 mg/L	
2 Na 330.237	470.4	478.9	0.11433 mg/L	0.11433 mg/L	
2 Sr 407.771	27917.3	28424.6			
2 K 404.721	3914.5	3985.6	0.00000 mg/L	0.00000 mg/L	

Mean Data

ID: 11383-2 Seq. No.: 20 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:00:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	361249.8	0.977	0.0075	mg/L				0.77%
Ag 328.068	111.8	0.00062	0.000176	mg/L	0.00062	0.000176	mg/L	28.64%
Al 308.215	243.5	0.02271	0.001907	mg/L	0.02271	0.001907	mg/L	8.40%
As 193.696	12.9	0.01577	0.007903	mg/L	0.01577	0.007903	mg/L	50.10%
B 249.773	967.0	0.03142	0.000499	mg/L	0.03142	0.000499	mg/L	1.59%
Ba 233.527	198.1	0.00642	0.000760	mg/L	0.00642	0.000760	mg/L	11.85%
Be 313.042	1109.0	0.00055	0.000099	mg/L	0.00055	0.000099	mg/L	17.84%
Ca 315.887	6183.1	0.42892	0.002533	mg/L	0.42892	0.002533	mg/L	0.59%
Cd 214.438	155.8	0.00058	0.000086	mg/L	0.00058	0.000086	mg/L	14.76%
Co 238.892	-41.6	0.00048	0.000113	mg/L	0.00048	0.000113	mg/L	23.59%
Cr 267.716	887.1	0.00244	0.000333	mg/L	0.00244	0.000333	mg/L	13.65%
Cu 324.754	1937.2	0.00210	0.000032	mg/L	0.00210	0.000032	mg/L	1.55%
Fe 234.349	1041.7	0.04783	0.000049	mg/L	0.04783	0.000049	mg/L	0.10%
K 766.491	-325.1	0.02670	0.000542	mg/L	0.02670	0.000542	mg/L	2.03%
Mo 202.030	115.4	0.02302	0.005121	mg/L	0.02302	0.005121	mg/L	22.25%
Mn 257.610	322.8	0.00141	0.000085	mg/L	0.00141	0.000085	mg/L	6.01%
Mg 279.079	235.7	0.10968	0.002128	mg/L	0.10968	0.002128	mg/L	1.94%
Ni 231.604	9.9	0.00168	0.000446	mg/L	0.00168	0.000446	mg/L	26.54%
Pb 220.353	34.9	0.00281	0.000673	mg/L	0.00281	0.000673	mg/L	23.94%
Sn 189.933	31.5	0.02014	0.003225	mg/L	0.02014	0.003225	mg/L	16.01%
Se 196.026	29.5	0.01596	0.005092	mg/L	0.01596	0.005092	mg/L	31.91%
Sb 206.833	32.4	0.00910	0.003243	mg/L	0.00910	0.003243	mg/L	35.64%
V 292.402	-78.8	0.00073	0.000024	mg/L	0.00073	0.000024	mg/L	3.32%
Tl 190.800	-18.0	0.00625	0.003958	mg/L	0.00625	0.003958	mg/L	63.37%
Zn 213.856	1482.2	0.02196	0.000504	mg/L	0.02196	0.000504	mg/L	2.30%

Na 330.237	481.2	0.12293	0.012160 mg/L	0.12293	0.012160 mg/L	9.89%
Sr 407.771	29403.6					4.71%
K 404.721	4041.3	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data
ID: 11383-2D Date: 11/18/96 8:02:09 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	358468.6	358468.6	0.969	mg/L		
1	Ag 328.068	113.9	117.5	0.00075	mg/L	0.00075	mg/L
1	Al 308.215	234.5	241.9	0.02226	mg/L	0.02226	mg/L
1	As 193.696	8.9	9.2	0.00609	mg/L	0.00609	mg/L
1	B 249.773	1242.4	1281.8	0.04405	mg/L	0.04405	mg/L
1	Ba 233.527	69.2	71.4	0.00250	mg/L	0.00250	mg/L
1	Be 313.042	617.4	636.9	0.00008	mg/L	0.00008	mg/L
1	Ca 315.887	5841.7	6026.5	0.41810	mg/L	0.41810	mg/L
1	Cd 214.438	147.3	151.9	0.00045	mg/L	0.00045	mg/L
1	Co 238.892	-41.3	-42.6	0.00036	mg/L	0.00036	mg/L
1	Cr 267.716	839.0	865.6	0.00201	mg/L	0.00201	mg/L
1	Cu 324.754	1809.7	1867.0	0.00156	mg/L	0.00156	mg/L
1	Fe 234.349	1017.2	1049.4	0.04848	mg/L	0.04848	mg/L
1	K 766.491	-1278.0	-1318.5	0.02332	mg/L	0.02332	mg/L
1	Mo 202.030	31.7	32.7	0.00704	mg/L	0.00704	mg/L
1	Mn 257.610	242.2	249.9	0.00102	mg/L	0.00102	mg/L
1	Mg 279.079	219.2	226.2	0.10518	mg/L	0.10518	mg/L
1	Ni 231.604	5.6	5.8	0.00108	mg/L	0.00108	mg/L
1	Pb 220.353	38.1	39.3	0.00456	mg/L	0.00456	mg/L
1	Sn 189.933	22.7	23.4	0.01361	mg/L	0.01361	mg/L
1	Se 196.026	14.6	15.0	0.00076	mg/L	0.00076	mg/L
1	Sb 206.833	28.5	29.4	0.00543	mg/L	0.00543	mg/L
1	V 292.402	-114.8	-118.5	0.00010	mg/L	0.00010	mg/L
1	Tl 190.800	-27.4	-28.2	-0.00359	mg/L	-0.00359	mg/L
1	Zn 213.856	1257.0	1296.8	0.01789	mg/L	0.01789	mg/L
1	Na 330.237	476.2	491.3	0.16000	mg/L	0.16000	mg/L
1	Sr 407.771	21527.6	22208.7				
1	K 404.721	3825.7	3946.7	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	359132.2	359132.2	0.971	mg/L		
2	Ag 328.068	98.2	101.1	0.00037	mg/L	0.00037	mg/L
2	Al 308.215	194.4	200.2	0.01040	mg/L	0.01040	mg/L
2	As 193.696	10.3	10.6	0.00976	mg/L	0.00976	mg/L
2	B 249.773	1249.9	1287.1	0.04426	mg/L	0.04426	mg/L
2	Ba 233.527	67.2	69.2	0.00243	mg/L	0.00243	mg/L
2	Be 313.042	616.2	634.5	0.00008	mg/L	0.00008	mg/L
2	Ca 315.887	5841.7	6015.4	0.41733	mg/L	0.41733	mg/L
2	Cd 214.438	147.3	151.6	0.00044	mg/L	0.00044	mg/L
2	Co 238.892	-44.5	-45.8	0.00021	mg/L	0.00021	mg/L
2	Cr 267.716	854.2	879.6	0.00225	mg/L	0.00225	mg/L
2	Cu 324.754	1818.9	1873.0	0.00161	mg/L	0.00161	mg/L
2	Fe 234.349	1015.7	1045.9	0.04818	mg/L	0.04818	mg/L
2	K 766.491	-1514.1	-1559.1	0.02250	mg/L	0.02250	mg/L
2	Mo 202.030	26.9	27.7	0.00608	mg/L	0.00608	mg/L
2	Mn 257.610	243.3	250.5	0.00102	mg/L	0.00102	mg/L
2	Mg 279.079	221.8	228.4	0.10625	mg/L	0.10625	mg/L
2	Ni 231.604	7.5	7.7	0.00137	mg/L	0.00137	mg/L
2	Pb 220.353	42.5	43.8	0.00641	mg/L	0.00641	mg/L
2	Sn 189.933	18.5	19.1	0.01013	mg/L	0.01013	mg/L
2	Se 196.026	13.0	13.4	-0.00099	mg/L	-0.00099	mg/L
2	Sb 206.833	25.1	25.9	0.00122	mg/L	0.00122	mg/L
2	V 292.402	-127.8	-131.6	-0.00011	mg/L	-0.00011	mg/L
2	Tl 190.800	-20.6	-21.2	0.00316	mg/L	0.00316	mg/L
2	Zn 213.856	1264.9	1302.5	0.01801	mg/L	0.01801	mg/L
2	Na 330.237	474.2	488.3	0.14893	mg/L	0.14893	mg/L
2	Sr 407.771	21425.4	22062.5				
2	K 404.721	3930.6	4047.5	0.00000	mg/L	0.00000	mg/L

Mean Data
ID: 11383-2D Seq. No.: 21 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0:
Data: Reprocessed Date: 11/18/96 8:02:09 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	358800.4	0.970	0.0013	mg/L				0.13%

Ag 328.068	109.3	0.00056	0.000268	mg/L	0.00056	0.000268 mg/L	48.28%
Al 308.215	221.1	0.01633	0.008386	mg/L	0.01633	0.008386 mg/L	51.36%
As 193.696	9.9	0.00792	0.002594	mg/L	0.00792	0.002594 mg/L	32.74%
B 249.773	1284.4	0.04416	0.000151	mg/L	0.04416	0.000151 mg/L	0.34%
Ba 233.527	70.3	0.00246	0.000049	mg/L	0.00246	0.000049 mg/L	1.99%
Be 313.042	635.7	0.00008	0.000002	mg/L	0.00008	0.000002 mg/L	1.93%
Ca 315.887	6020.9	0.41771	0.000542	mg/L	0.41771	0.000542 mg/L	0.13%
Cd 214.438	151.8	0.00044	0.000007	mg/L	0.00044	0.000007 mg/L	1.55%
Co 238.892	-44.2	0.00028	0.000099	mg/L	0.00028	0.000099 mg/L	34.87%
Cr 267.716	872.6	0.00213	0.000168	mg/L	0.00213	0.000168 mg/L	7.90%
Cu 324.754	1870.0	0.00158	0.000034	mg/L	0.00158	0.000034 mg/L	2.14%
Fe 234.349	1047.6	0.04833	0.000208	mg/L	0.04833	0.000208 mg/L	0.43%
K 766.491	-1438.8	0.02291	0.000580	mg/L	0.02291	0.000580 mg/L	2.53%
Mo 202.030	30.2	0.00656	0.000679	mg/L	0.00656	0.000679 mg/L	10.35%
Mn 257.610	250.2	0.00102	0.000002	mg/L	0.00102	0.000002 mg/L	0.22%
Mg 279.079	227.3	0.10571	0.000758	mg/L	0.10571	0.000758 mg/L	0.72%
Ni 231.604	6.7	0.00122	0.000200	mg/L	0.00122	0.000200 mg/L	16.35%
Pb 220.353	41.6	0.00548	0.001310	mg/L	0.00548	0.001310 mg/L	23.89%
Sn 189.933	21.2	0.01187	0.002461	mg/L	0.01187	0.002461 mg/L	20.73%
Se 196.026	14.2	-0.00012	0.001236	mg/L	-0.00012	0.001236 mg/L	1067.41%
Sb 206.833	27.6	0.00333	0.002980	mg/L	0.00333	0.002980 mg/L	89.54%
V 292.402	-125.0	0.00000	0.000149	mg/L	0.00000	0.000149 mg/L	3169.43%
Tl 190.800	-24.7	-0.00021	0.004773	mg/L	-0.00021	0.004773 mg/L	2242.93%
Zn 213.856	1299.7	0.01795	0.000089	mg/L	0.01795	0.000089 mg/L	0.49%
Na 330.237	489.8	0.15446	0.007825	mg/L	0.15446	0.007825 mg/L	5.07%
Sr 407.771	22135.6						0.47%
K 404.721	3997.1	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: 11383-2MS Date: 11/18/96 8:04:17 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	352677.8	352677.8	0.954	mg/L		
1	Ag 328.068	4038.6	4234.8	0.09613	mg/L	0.09613	mg/L
1	Al 308.215	4499.9	4718.5	1.2988	mg/L	1.2988	mg/L
1	As 193.696	1766.5	1852.3	4.9012	mg/L	4.9012	mg/L
1	B 249.773	25960.0	27221.1	1.0846	mg/L	1.0846	mg/L
1	Ba 233.527	297621.9	312079.5	9.6684	mg/L	9.6684	mg/L
1	Be 313.042	1013294.6	1062517.4	1.0597	mg/L	1.0597	mg/L
1	Ca 315.887	145986.0	153077.6	10.589	mg/L	10.589	mg/L
1	Cd 214.438	29060.2	30471.9	1.0187	mg/L	1.0187	mg/L
1	Co 238.892	21764.4	22821.6	1.0100	mg/L	1.0100	mg/L
1	Cr 267.716	54357.5	56998.1	0.99991	mg/L	0.99991	mg/L
1	Cu 324.754	117628.9	123342.9	0.95320	mg/L	0.95320	mg/L
1	Fe 234.349	13150.1	13788.9	1.1285	mg/L	1.1285	mg/L
1	K 766.491	2603992.9	2730487.0	9.3295	mg/L	9.3295	mg/L
1	Mo 202.030	48786.3	51156.2	9.8800	mg/L	9.8800	mg/L
1	Mn 257.610	176049.5	184601.5	0.98369	mg/L	0.98369	mg/L
1	Mg 279.079	2232.4	2340.8	1.1163	mg/L	1.1163	mg/L
1	Ni 231.604	6476.2	6790.7	0.98143	mg/L	0.98143	mg/L
1	Pb 220.353	2290.0	2401.2	1.0046	mg/L	1.0046	mg/L
1	Sn 189.933	10650.0	11167.4	8.9424	mg/L	8.9424	mg/L
1	Se 196.026	4597.2	4820.5	5.0354	mg/L	5.0354	mg/L
1	Sb 206.833	7885.1	8268.1	9.8166	mg/L	9.8166	mg/L
1	V 292.402	56886.5	59649.9	0.95585	mg/L	0.95585	mg/L
1	Tl 190.800	959.5	1006.1	0.99437	mg/L	0.99437	mg/L
1	Zn 213.856	45752.8	47975.4	1.0432	mg/L	1.0432	mg/L
1	Na 330.237	2858.8	2997.6	9.4448	mg/L	9.4448	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	2810.2	2946.7	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	355426.7	355426.7	0.961	mg/L		
2	Ag 328.068	4053.0	4217.0	0.09572	mg/L	0.09572	mg/L
2	Al 308.215	4482.9	4664.3	1.2834	mg/L	1.2834	mg/L
2	As 193.696	1772.3	1844.0	4.8793	mg/L	4.8793	mg/L
2	B 249.773	26115.3	27172.1	1.0826	mg/L	1.0826	mg/L
2	Ba 233.527	297925.6	309981.8	9.6035	mg/L	9.6035	mg/L
2	Be 313.042	1013881.3	1054910.3	1.0521	mg/L	1.0521	mg/L
2	Ca 315.887	146420.1	152345.3	10.538	mg/L	10.538	mg/L
2	Cd 214.438	29130.6	30309.4	1.0133	mg/L	1.0133	mg/L
2	Co 238.892	21826.9	22710.2	1.0053	mg/L	1.0053	mg/L
2	Cr 267.716	54560.6	56768.5	0.99594	mg/L	0.99594	mg/L
2	Cu 324.754	118739.7	123544.8	0.95480	mg/L	0.95480	mg/L
2	Fe 234.349	13168.2	13701.1	1.1211	mg/L	1.1211	mg/L

2 K 766.491	2612594.2	2718318.6	9.2881	mg/L	9.2881 mg/L
2 Mo 202.030	49129.8	51117.9	9.8726	mg/L	9.8726 mg/L
2 Mn 257.610	176839.1	183995.3	0.98046	mg/L	0.98046 mg/L
2 Mg 279.079	2228.0	2318.1	1.1055	mg/L	1.1055 mg/L
2 Ni 231.604	6477.5	6739.6	0.97403	mg/L	0.97403 mg/L
2 Pb 220.353	2286.2	2378.7	0.99537	mg/L	0.99537 mg/L
2 Sn 189.933	10694.2	11127.0	8.9100	mg/L	8.9100 mg/L
2 Se 196.026	4616.0	4802.8	5.0169	mg/L	5.0169 mg/L
2 Sb 206.833	7903.5	8223.3	9.7635	mg/L	9.7635 mg/L
2 V 292.402	57285.1	59603.3	0.95511	mg/L	0.95511 mg/L
2 Tl 190.800	973.4	1012.7	1.0008	mg/L	1.0008 mg/L
2 Zn 213.856	45988.9	47850.0	1.0404	mg/L	1.0404 mg/L
2 Na 330.237	2860.2	2975.9	9.3643	mg/L	9.3643 mg/L
2 Sr 407.771	Saturated				
2 K 404.721	2863.6	2979.4	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: 11383-2MS Seq. No.: 22 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:04:17 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 324.228	354052.3	0.957	0.0053	mg/L				0.55%
Ag 328.068	4225.9	0.09592	0.000292	mg/L	0.09592	0.000292	mg/L	0.30%
Al 308.215	4691.4	1.2911	0.01091	mg/L	1.2911	0.01091	mg/L	0.84%
As 193.696	1848.1	4.8902	0.01547	mg/L	4.8902	0.01547	mg/L	0.32%
B 249.773	27196.6	1.0836	0.00139	mg/L	1.0836	0.00139	mg/L	0.13%
Ba 233.527	311030.6	9.6359	0.04595	mg/L	9.6359	0.04595	mg/L	0.48%
Be 313.042	1058713.9	1.0559	0.00537	mg/L	1.0559	0.00537	mg/L	0.51%
Ca 315.887	152711.4	10.563	0.0358	mg/L	10.563	0.0358	mg/L	0.34%
Cd 214.438	30390.6	1.0160	0.00385	mg/L	1.0160	0.00385	mg/L	0.38%
Co 238.892	22765.9	1.0076	0.00334	mg/L	1.0076	0.00334	mg/L	0.33%
Cr 267.716	56883.3	0.99792	0.002803	mg/L	0.99792	0.002803	mg/L	0.28%
Cu 324.754	123443.8	0.95400	0.001130	mg/L	0.95400	0.001130	mg/L	0.12%
Fe 234.349	13745.0	1.1248	0.00526	mg/L	1.1248	0.00526	mg/L	0.47%
K 766.491	2724402.8	9.3088	0.02931	mg/L	9.3088	0.02931	mg/L	0.31%
Mo 202.030	51137.1	9.8763	0.00523	mg/L	9.8763	0.00523	mg/L	0.05%
Mn 257.610	184298.4	0.98208	0.002285	mg/L	0.98208	0.002285	mg/L	0.23%
Mg 279.079	2329.5	1.1109	0.00762	mg/L	1.1109	0.00762	mg/L	0.69%
Ni 231.604	6765.2	0.97773	0.005228	mg/L	0.97773	0.005228	mg/L	0.53%
Pb 220.353	2389.9	1.0000	0.00656	mg/L	1.0000	0.00656	mg/L	0.66%
Sn 189.933	11147.2	8.9262	0.02291	mg/L	8.9262	0.02291	mg/L	0.26%
Se 196.026	4811.7	5.0262	0.01312	mg/L	5.0262	0.01312	mg/L	0.26%
Sb 206.833	8245.7	9.7901	0.03755	mg/L	9.7901	0.03755	mg/L	0.38%
V 292.402	59626.6	0.95548	0.000527	mg/L	0.95548	0.000527	mg/L	0.06%
Tl 190.800	1009.4	0.99757	0.004530	mg/L	0.99757	0.004530	mg/L	0.45%
Zn 213.856	47912.7	1.0418	0.00195	mg/L	1.0418	0.00195	mg/L	0.19%
Na 330.237	2986.8	9.4045	0.05689	mg/L	9.4045	0.05689	mg/L	0.60%
Sr 407.771	Saturated							
K 404.721	2963.1	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: 11383-2MD Date: 11/18/96 8:06:27 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	349435.0	349435.0	0.945	mg/L		
1	Ag 328.068	4034.0	4269.2	0.09692	mg/L	0.09692	mg/L
1	Al 308.215	4531.5	4795.8	1.3208	mg/L	1.3208	mg/L
1	As 193.696	1732.9	1834.0	4.8525	mg/L	4.8525	mg/L
1	B 249.773	26725.2	28283.5	1.1272	mg/L	1.1272	mg/L
1	Ba 233.527	298584.0	315993.8	9.7897	mg/L	9.7897	mg/L
1	Be 313.042	1003317.3	1061818.7	1.0590	mg/L	1.0590	mg/L
1	Ca 315.887	145238.0	153706.5	10.632	mg/L	10.632	mg/L
1	Cd 214.438	28958.0	30646.5	1.0245	mg/L	1.0245	mg/L
1	Co 238.892	21496.9	22750.3	1.0069	mg/L	1.0069	mg/L
1	Cr 267.716	53740.7	56874.2	0.99770	mg/L	0.99770	mg/L
1	Cu 324.754	115393.0	122121.3	0.94357	mg/L	0.94357	mg/L
1	Fe 234.349	13116.7	13881.5	1.1364	mg/L	1.1364	mg/L
1	K 766.491	2613331.8	2765709.9	9.4495	mg/L	9.4495	mg/L
1	Mo 202.030	48219.0	51030.5	9.8557	mg/L	9.8557	mg/L
1	Mn 257.610	174134.3	184287.7	0.98202	mg/L	0.98202	mg/L
1	Mg 279.079	2215.7	2344.8	1.1181	mg/L	1.1181	mg/L
1	Ni 231.604	6390.3	6762.9	0.97740	mg/L	0.97740	mg/L

1 Pb 220.353	2288.5	2421.9	1.0131 mg/L	1.0131 mg/L	
1 Sn 189.933	10110.8	10700.3	8.5685 mg/L	8.5685 mg/L	
1 Se 196.026	4550.6	4815.9	5.0307 mg/L	5.0307 mg/L	
1 Sb 206.833	7743.6	8195.2	9.7301 mg/L	9.7301 mg/L	
1 V 292.402	55949.3	59211.6	0.94884 mg/L	0.94884 mg/L	
1 Tl 190.800	950.9	1006.3	0.99455 mg/L	0.99455 mg/L	
1 Zn 213.856	45507.1	48160.5	1.0472 mg/L	1.0472 mg/L	
1 Na 330.237	2885.8	3054.1	9.6538 mg/L	9.6538 mg/L	
1 Sr 407.771	Saturated				
1 K 404.721	2783.8	2946.1	0.00000 mg/L	0.00000 mg/L	
2 Y 324.228	351477.5	351477.5	0.950 mg/L		
2 Ag 328.068	4051.8	4263.1	0.09678 mg/L	0.09678 mg/L	
2 Al 308.215	4573.1	4811.7	1.3254 mg/L	1.3254 mg/L	
2 As 193.696	1727.7	1817.8	4.8095 mg/L	4.8095 mg/L	
2 B 249.773	26856.7	28257.5	1.1261 mg/L	1.1261 mg/L	
2 Ba 233.527	299697.1	315328.6	9.7691 mg/L	9.7691 mg/L	
2 Be 313.042	1007732.5	1060293.7	1.0575 mg/L	1.0575 mg/L	
2 Ca 315.887	145524.9	153115.1	10.591 mg/L	10.591 mg/L	
2 Cd 214.438	28958.5	30468.9	1.0186 mg/L	1.0186 mg/L	
2 Co 238.892	21574.9	22700.2	1.0046 mg/L	1.0046 mg/L	
2 Cr 267.716	53972.8	56787.9	0.99610 mg/L	0.99610 mg/L	
2 Cu 324.754	115789.8	121829.2	0.94129 mg/L	0.94129 mg/L	
2 Fe 234.349	13136.0	13821.2	1.1313 mg/L	1.1313 mg/L	
2 K 766.491	2614258.5	2750612.5	9.3981 mg/L	9.3981 mg/L	
2 Mo 202.030	48343.7	50865.2	9.8238 mg/L	9.8238 mg/L	
2 Mn 257.610	174511.4	183613.5	0.97843 mg/L	0.97843 mg/L	
2 Mg 279.079	2229.7	2346.0	1.1186 mg/L	1.1186 mg/L	
2 Ni 231.604	6426.2	6761.4	0.97718 mg/L	0.97718 mg/L	
2 Pb 220.353	2287.6	2406.9	1.0068 mg/L	1.0068 mg/L	
2 Sn 189.933	10156.5	10686.2	8.5572 mg/L	8.5572 mg/L	
2 Se 196.026	4555.3	4792.9	5.0065 mg/L	5.0065 mg/L	
2 Sb 206.833	7756.0	8160.6	9.6890 mg/L	9.6890 mg/L	
2 V 292.402	56289.6	59225.6	0.94907 mg/L	0.94907 mg/L	
2 Tl 190.800	953.5	1003.3	0.99163 mg/L	0.99163 mg/L	
2 Zn 213.856	45577.8	47955.0	1.0427 mg/L	1.0427 mg/L	
2 Na 330.237	2890.1	3040.9	9.6049 mg/L	9.6049 mg/L	
2 Sr 407.771	Saturated				
2 K 404.721	2849.4	2998.0	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: 11383-2MD Seq. No.: 23 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:06:27 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	350456.3	0.948	0.0039	mg/L				0.41%
Ag 328.068	4266.2	0.09685	0.000099	mg/L	0.09685	0.000099	mg/L	0.10%
Al 308.215	4803.7	1.3231	0.00320	mg/L	1.3231	0.00320	mg/L	0.24%
As 193.696	1825.9	4.8310	0.03043	mg/L	4.8310	0.03043	mg/L	0.63%
B 249.773	28270.5	1.1267	0.00074	mg/L	1.1267	0.00074	mg/L	0.07%
Ba 233.527	315661.2	9.7794	0.01457	mg/L	9.7794	0.01457	mg/L	0.15%
Be 313.042	1061056.2	1.0583	0.00108	mg/L	1.0583	0.00108	mg/L	0.10%
Ca 315.887	153410.8	10.612	0.0289	mg/L	10.612	0.0289	mg/L	0.27%
Cd 214.438	30557.7	1.0216	0.00421	mg/L	1.0216	0.00421	mg/L	0.41%
Co 238.892	22725.3	1.0057	0.00160	mg/L	1.0057	0.00160	mg/L	0.16%
Cr 267.716	56831.1	0.99690	0.001126	mg/L	0.99690	0.001126	mg/L	0.11%
Cu 324.754	121975.2	0.94243	0.001613	mg/L	0.94243	0.001613	mg/L	0.17%
Fe 234.349	13851.3	1.1338	0.00361	mg/L	1.1338	0.00361	mg/L	0.32%
K 766.491	2758161.2	9.4238	0.03637	mg/L	9.4238	0.03637	mg/L	0.39%
Mo 202.030	50947.9	9.8397	0.02257	mg/L	9.8397	0.02257	mg/L	0.23%
Mn 257.610	183950.6	0.98022	0.002541	mg/L	0.98022	0.002541	mg/L	0.26%
Mg 279.079	2345.4	1.1184	0.00035	mg/L	1.1184	0.00035	mg/L	0.03%
Ni 231.604	6762.1	0.97729	0.000155	mg/L	0.97729	0.000155	mg/L	0.02%
Pb 220.353	2414.4	1.0099	0.00442	mg/L	1.0099	0.00442	mg/L	0.44%
Sn 189.933	10693.3	8.5629	0.00800	mg/L	8.5629	0.00800	mg/L	0.09%
Se 196.026	4804.4	5.0186	0.01708	mg/L	5.0186	0.01708	mg/L	0.34%
Sb 206.833	8177.9	9.7095	0.02908	mg/L	9.7095	0.02908	mg/L	0.30%
V 292.402	59218.6	0.94895	0.000158	mg/L	0.94895	0.000158	mg/L	0.02%
Tl 190.800	1004.8	0.99309	0.002063	mg/L	0.99309	0.002063	mg/L	0.21%
Zn 213.856	48057.8	1.0450	0.00319	mg/L	1.0450	0.00319	mg/L	0.31%
Na 330.237	3047.5	9.6293	0.03457	mg/L	9.6293	0.03457	mg/L	0.36%
Sr 407.771	Saturated							
K 404.721	2972.0	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 11383-2L Date: 11/18/96 8:08:41 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	360059.5	360059.5	0.974	mg/L		
1	Ag 328.068	84.5	86.8	0.00004	mg/L	0.00018	mg/L
1	Al 308.215	382.9	393.3	0.06535	mg/L	0.32677	mg/L
1	As 193.696	13.6	14.0	0.01874	mg/L	0.09369	mg/L
1	B 249.773	693.7	712.5	0.02122	mg/L	0.10609	mg/L
1	Ba 233.527	279.4	286.9	0.00917	mg/L	0.04586	mg/L
1	Be 313.042	1172.1	1203.9	0.00065	mg/L	0.00325	mg/L
1	Ca 315.887	3465.2	3559.1	0.24748	mg/L	1.2374	mg/L
1	Cd 214.438	155.9	160.1	0.00073	mg/L	0.00365	mg/L
1	Co 238.892	-30.5	-31.3	0.00093	mg/L	0.00466	mg/L
1	Cr 267.716	1121.1	1151.5	0.00699	mg/L	0.03496	mg/L
1	Cu 324.754	1780.1	1828.3	0.00124	mg/L	0.00620	mg/L
1	Fe 234.349	652.8	670.4	0.01635	mg/L	0.08177	mg/L
1	K 766.491	-3584.5	-3681.5	0.01527	mg/L	0.07635	mg/L
1	Mo 202.030	139.3	143.1	0.02836	mg/L	0.14179	mg/L
1	Mn 257.610	245.7	252.4	0.00103	mg/L	0.00515	mg/L
1	Mg 279.079	72.2	74.2	0.03323	mg/L	0.16613	mg/L
1	Ni 231.604	98.7	101.4	0.01490	mg/L	0.07449	mg/L
1	Pb 220.353	39.8	40.9	0.00526	mg/L	0.02632	mg/L
1	Sn 189.933	33.5	34.4	0.02239	mg/L	0.11194	mg/L
1	Se 196.026	27.7	28.4	0.01477	mg/L	0.07384	mg/L
1	Sb 206.833	30.8	31.7	0.00815	mg/L	0.04076	mg/L
1	V 292.402	-60.3	-61.9	0.00100	mg/L	0.00502	mg/L
1	Tl 190.800	-22.7	-23.3	0.00113	mg/L	0.00563	mg/L
1	Zn 213.856	852.0	875.1	0.00863	mg/L	0.04313	mg/L
1	Na 330.237	433.0	444.7	-0.01243	mg/L	-0.06216	mg/L
1	Sr 407.771	45252.5	46477.9				
1	K 404.721	3932.3	4038.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	360949.4	360949.4	0.976	mg/L		
2	Ag 328.068	79.5	81.5	-0.00009	mg/L	-0.00044	mg/L
2	Al 308.215	426.3	436.7	0.07772	mg/L	0.38862	mg/L
2	As 193.696	10.6	10.8	0.01024	mg/L	0.05121	mg/L
2	B 249.773	678.6	695.3	0.02053	mg/L	0.10263	mg/L
2	Ba 233.527	237.1	242.9	0.00781	mg/L	0.03905	mg/L
2	Be 313.042	1095.4	1122.3	0.00057	mg/L	0.00284	mg/L
2	Ca 315.887	3460.2	3545.2	0.24652	mg/L	1.2326	mg/L
2	Cd 214.438	155.4	159.2	0.00070	mg/L	0.00348	mg/L
2	Co 238.892	-34.9	-35.8	0.00072	mg/L	0.00358	mg/L
2	Cr 267.716	1112.9	1140.2	0.00678	mg/L	0.03388	mg/L
2	Cu 324.754	1715.5	1757.6	0.00069	mg/L	0.00343	mg/L
2	Fe 234.349	655.2	671.2	0.01642	mg/L	0.08211	mg/L
2	K 766.491	-3851.3	-3945.8	0.01437	mg/L	0.07185	mg/L
2	Mo 202.030	108.2	110.9	0.02215	mg/L	0.11074	mg/L
2	Mn 257.610	222.2	227.6	0.00090	mg/L	0.00449	mg/L
2	Mg 279.079	71.5	73.3	0.03280	mg/L	0.16399	mg/L
2	Ni 231.604	98.2	100.7	0.01479	mg/L	0.07396	mg/L
2	Pb 220.353	35.2	36.1	0.00327	mg/L	0.01636	mg/L
2	Sn 189.933	31.3	32.1	0.02052	mg/L	0.10261	mg/L
2	Se 196.026	20.5	21.0	0.00701	mg/L	0.03507	mg/L
2	Sb 206.833	31.4	32.2	0.00872	mg/L	0.04361	mg/L
2	V 292.402	-83.9	-85.9	0.00062	mg/L	0.00310	mg/L
2	Tl 190.800	-17.8	-18.2	0.00607	mg/L	0.03037	mg/L
2	Zn 213.856	829.8	850.2	0.00808	mg/L	0.04039	mg/L
2	Na 330.237	441.2	452.1	0.01480	mg/L	0.07400	mg/L
2	Sr 407.771	43780.3	44855.0				
2	K 404.721	3979.4	4077.1	0.00000	mg/L	0.00000	mg/L

Mean Data ----------

ID: 11383-2L Seq. No.: 24 Sample No.: 0 A/S Pos: 0

Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 5.0

Data: Reprocessed Date: 11/18/96 8:08:41 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	360504.4	0.975	0.0017	mg/L				0.17%
Ag 328.068	84.2	-0.00003	0.000088	mg/L	-0.00013	0.000438	mg/L	335.74%
Al 308.215	415.0	0.07154	0.008746	mg/L	0.35770	0.043729	mg/L	12.23%
As 193.696	12.4	0.01449	0.006008	mg/L	0.07245	0.030042	mg/L	41.47%
B 249.773	703.9	0.02087	0.000489	mg/L	0.10436	0.002447	mg/L	2.34%

Ba 233.527	264.9	0.00849	0.000964	mg/L	0.04245	0.004819	mg/L 11.35%
Be 313.042	1163.1	0.00061	0.000057	mg/L	0.00304	0.000287	mg/L 9.43%
Ca 315.887	3552.1	0.24700	0.000681	mg/L	1.2350	0.00341	mg/L 0.28%
Cd 214.438	159.7	0.00071	0.000023	mg/L	0.00356	0.000116	mg/L 3.25%
Co 238.892	-33.6	0.00082	0.000153	mg/L	0.00412	0.000765	mg/L 18.55%
Cr 267.716	1145.8	0.00688	0.000152	mg/L	0.03442	0.000760	mg/L 2.21%
Cu 324.754	1792.9	0.00096	0.000392	mg/L	0.00481	0.001958	mg/L 40.68%
Fe 234.349	670.8	0.01639	0.000048	mg/L	0.08194	0.000239	mg/L 0.29%
K 766.491	-3813.7	0.01482	0.000637	mg/L	0.07410	0.003183	mg/L 4.30%
Mo 202.030	127.0	0.02525	0.004391	mg/L	0.12626	0.021953	mg/L 17.39%
Mn 257.610	240.0	0.00096	0.000093	mg/L	0.00482	0.000466	mg/L 9.67%
Mg 279.079	73.8	0.03301	0.000302	mg/L	0.16506	0.001510	mg/L 0.91%
Ni 231.604	101.0	0.01485	0.000075	mg/L	0.07423	0.000373	mg/L 0.50%
Pb 220.353	38.5	0.00427	0.001409	mg/L	0.02134	0.007044	mg/L 33.01%
Sn 189.933	33.2	0.02146	0.001319	mg/L	0.10728	0.006597	mg/L 6.15%
Se 196.026	24.7	0.01089	0.005483	mg/L	0.05445	0.027413	mg/L 50.34%
Sb 206.833	31.9	0.00844	0.000404	mg/L	0.04218	0.002021	mg/L 4.79%
V 292.402	-73.9	0.00081	0.000271	mg/L	0.00406	0.001355	mg/L 33.36%
Tl 190.800	-20.8	0.00360	0.003498	mg/L	0.01800	0.017492	mg/L 97.19%
Zn 213.856	862.6	0.00835	0.000387	mg/L	0.04176	0.001936	mg/L 4.64%
Na 330.237	448.4	0.00118	0.019255	mg/L	0.00592	0.096276	mg/L 1625.86%
Sr 407.771	45666.5						2.51%
K 404.721	4057.9	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L 0.00%

Replicate Data ----------

ID: PBW:14751 Date: 11/18/96 8:11:00 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	355544.5	355544.5	0.961	mg/L		
1	Ag 328.068	90.9	94.6	0.00022	mg/L	0.00022	mg/L
1	Al 308.215	151.1	157.2	-0.00187	mg/L	-0.00187	mg/L
1	As 193.696	9.3	9.6	0.00717	mg/L	0.00717	mg/L
1	B 249.773	1920.9	1998.0	0.07278	mg/L	0.07278	mg/L
1	Ba 233.527	41.8	43.4	0.00163	mg/L	0.00163	mg/L
1	Be 313.042	645.9	671.8	0.00012	mg/L	0.00012	mg/L
1	Ca 315.887	265.2	275.8	0.02046	mg/L	0.02046	mg/L
1	Cd 214.438	145.4	151.2	0.00042	mg/L	0.00042	mg/L
1	Co 238.892	-46.9	-48.7	0.00011	mg/L	0.00011	mg/L
1	Cr 267.716	746.6	776.6	0.00049	mg/L	0.00049	mg/L
1	Cu 324.754	1675.0	1742.2	0.00057	mg/L	0.00057	mg/L
1	Fe 234.349	561.6	584.2	0.00904	mg/L	0.00904	mg/L
1	K 766.491	-7105.4	-7390.5	0.00264	mg/L	0.00264	mg/L
1	Mo 202.030	40.9	42.6	0.00895	mg/L	0.00895	mg/L
1	Mn 257.610	97.5	101.4	0.00023	mg/L	0.00023	mg/L
1	Mg 279.079	35.3	36.7	0.01545	mg/L	0.01545	mg/L
1	Ni 231.604	1.4	1.5	0.00046	mg/L	0.00046	mg/L
1	Pb 220.353	33.6	34.9	0.00277	mg/L	0.00277	mg/L
1	Sn 189.933	25.6	26.6	0.01607	mg/L	0.01607	mg/L
1	Se 196.026	24.0	25.0	0.01122	mg/L	0.01122	mg/L
1	Sb 206.833	27.7	28.8	0.00466	mg/L	0.00466	mg/L
1	V 292.402	-109.8	-114.2	0.00017	mg/L	0.00017	mg/L
1	Tl 190.800	-14.0	-14.6	0.00957	mg/L	0.00957	mg/L
1	Zn 213.856	1139.0	1184.7	0.01542	mg/L	0.01542	mg/L
1	Na 330.237	435.6	453.0	0.01842	mg/L	0.01842	mg/L
1	Sr 407.771	5446.3	5664.8				
1	K 404.721	3889.1	4045.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	355189.0	355189.0	0.960	mg/L		
2	Ag 328.068	98.2	102.2	0.00039	mg/L	0.00039	mg/L
2	Al 308.215	179.4	186.8	0.00658	mg/L	0.00658	mg/L
2	As 193.696	8.6	8.9	0.00533	mg/L	0.00533	mg/L
2	B 249.773	1914.4	1993.2	0.07259	mg/L	0.07259	mg/L
2	Ba 233.527	30.4	31.6	0.00126	mg/L	0.00126	mg/L
2	Be 313.042	620.8	646.4	0.00009	mg/L	0.00009	mg/L
2	Ca 315.887	295.3	307.4	0.02264	mg/L	0.02264	mg/L
2	Cd 214.438	138.9	144.6	0.00020	mg/L	0.00020	mg/L
2	Co 238.892	-45.5	-47.4	0.00015	mg/L	0.00015	mg/L
2	Cr 267.716	758.8	790.0	0.00072	mg/L	0.00072	mg/L
2	Cu 324.754	1680.4	1749.6	0.00063	mg/L	0.00063	mg/L
2	Fe 234.349	556.3	579.2	0.00862	mg/L	0.00862	mg/L
2	K 766.491	-7174.3	-7469.6	0.00237	mg/L	0.00237	mg/L
2	Mo 202.030	32.4	33.8	0.00726	mg/L	0.00726	mg/L
2	Mn 257.610	94.4	98.3	0.00021	mg/L	0.00021	mg/L
2	Mg 279.079	32.1	33.4	0.01392	mg/L	0.01392	mg/L

2	Ni 231.604	2.8	2.9	0.00067	mg/L	0.00067 mg/L
2	Pb 220.353	35.1	36.5	0.00342	mg/L	0.00342 mg/L
2	Sn 189.933	22.6	23.5	0.01362	mg/L	0.01362 mg/L
2	Se 196.026	21.1	21.9	0.00799	mg/L	0.00799 mg/L
2	Sb 206.833	28.2	29.3	0.00528	mg/L	0.00528 mg/L
2	V 292.402	-108.7	-113.2	0.00018	mg/L	0.00018 mg/L
2	Tl 190.800	-18.8	-19.6	0.00475	mg/L	0.00475 mg/L
2	Zn 213.856	1136.4	1183.2	0.01539	mg/L	0.01539 mg/L
2	Na 330.237	447.5	465.9	0.06603	mg/L	0.06603 mg/L
2	Sr 407.771	5341.4	5561.3			
2	K 404.721	3915.7	4076.9	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: PBW:14751 Seq. No.: 25 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:11:00 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	355366.7	0.961	0.0007	mg/L				0.07%
Ag 328.068	98.4	0.00030	0.000125	mg/L	0.00030	0.000125	mg/L	41.22%
Al 308.215	172.0	0.00236	0.005972	mg/L	0.00236	0.005972	mg/L	253.30%
As 193.696	9.3	0.00625	0.001299	mg/L	0.00625	0.001299	mg/L	20.78%
B 249.773	1995.6	0.07269	0.000135	mg/L	0.07269	0.000135	mg/L	0.19%
Ba 233.527	37.5	0.00145	0.000259	mg/L	0.00145	0.000259	mg/L	17.88%
Be 313.042	659.1	0.00011	0.000018	mg/L	0.00011	0.000018	mg/L	16.90%
Ca 315.887	291.6	0.02155	0.001544	mg/L	0.02155	0.001544	mg/L	7.17%
Cd 214.438	147.9	0.00031	0.000157	mg/L	0.00031	0.000157	mg/L	50.40%
Co 238.892	-48.1	0.00013	0.000034	mg/L	0.00013	0.000034	mg/L	25.84%
Cr 267.716	783.3	0.00060	0.000159	mg/L	0.00060	0.000159	mg/L	26.32%
Cu 324.754	1745.9	0.00060	0.000042	mg/L	0.00060	0.000042	mg/L	6.97%
Fe 234.349	581.7	0.00883	0.000297	mg/L	0.00883	0.000297	mg/L	3.37%
K 766.491	-7430.0	0.00250	0.000191	mg/L	0.00250	0.000191	mg/L	7.62%
Mo 202.030	38.2	0.00810	0.001201	mg/L	0.00810	0.001201	mg/L	14.82%
Mn 257.610	99.8	0.00022	0.000012	mg/L	0.00022	0.000012	mg/L	5.37%
Mg 279.079	35.1	0.01468	0.001083	mg/L	0.01468	0.001083	mg/L	7.38%
Ni 231.604	2.2	0.00056	0.000149	mg/L	0.00056	0.000149	mg/L	26.32%
Pb 220.353	35.7	0.00309	0.000464	mg/L	0.00309	0.000464	mg/L	15.00%
Sn 189.933	25.1	0.01485	0.001732	mg/L	0.01485	0.001732	mg/L	11.67%
Se 196.026	23.5	0.00961	0.002284	mg/L	0.00961	0.002284	mg/L	23.77%
Sb 206.833	29.1	0.00497	0.000441	mg/L	0.00497	0.000441	mg/L	8.87%
V 292.402	-113.7	0.00018	0.000012	mg/L	0.00018	0.000012	mg/L	6.71%
Tl 190.800	-17.1	0.00716	0.003408	mg/L	0.00716	0.003408	mg/L	47.60%
Zn 213.856	1183.9	0.01541	0.000023	mg/L	0.01541	0.000023	mg/L	0.15%
Na 330.237	459.5	0.04222	0.033662	mg/L	0.04222	0.033662	mg/L	79.72%
Sr 407.771	5613.1							1.30%
K 404.721	4061.0	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: LCS:14751 Date: 11/18/96 8:13:20 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	355470.5	355470.5	0.961	mg/L		
1	Ag 328.068	77.5	80.6	-0.00011	mg/L	-0.00011	mg/L
1	Al 308.215	1385.3	1441.2	0.36371	mg/L	0.36371	mg/L
1	As 193.696	9.7	10.1	0.00374	mg/L	0.00374	mg/L
1	B 249.773	2043.8	2126.2	0.07793	mg/L	0.07793	mg/L
1	Ba 233.527	24.1	25.1	0.00106	mg/L	0.00106	mg/L
1	Be 313.042	185.6	193.1	-0.00035	mg/L	-0.00035	mg/L
1	Ca 315.887	345.5	359.5	0.02620	mg/L	0.02620	mg/L
1	Cd 214.438	42.0	43.7	0.00035	mg/L	0.00035	mg/L
1	Co 238.892	-962.6	-1001.4	0.00726	mg/L	0.00726	mg/L
1	Cr 267.716	-590.8	-614.6	0.01065	mg/L	0.01065	mg/L
1	Cu 324.754	2315.0	2408.4	-0.00145	mg/L	-0.00145	mg/L
1	Fe 234.349	529.4	550.7	0.00620	mg/L	0.00620	mg/L
1	K 766.491	-6589.9	-6855.8	0.00446	mg/L	0.00446	mg/L
1	Mo 202.030	48147.2	50089.4	9.6736	mg/L	9.6736	mg/L
1	Mn 257.610	101.9	106.0	0.00025	mg/L	0.00025	mg/L
1	Mg 279.079	10.2	10.6	0.00311	mg/L	0.00311	mg/L
1	Ni 231.604	-8.4	-8.7	-0.00101	mg/L	-0.00101	mg/L
1	Pb 220.353	-39.6	-41.2	0.00175	mg/L	0.00175	mg/L
1	Sn 189.933	11086.0	11533.2	9.2282	mg/L	9.2282	mg/L
1	Se 196.026	17.7	18.4	-0.00028	mg/L	-0.00028	mg/L
1	Sb 206.833	7790.4	8104.6	9.6178	mg/L	9.6178	mg/L

1	V 292.402	-1048.8	-1091.1	-0.01545	mg/L	-0.01545 mg/L
1	Tl 190.800	-17.0	-17.7	0.00531	mg/L	0.00531 mg/L
1	Zn 213.856	802.4	834.8	0.00774	mg/L	0.00774 mg/L
1	Na 330.237	364.4	379.1	-0.25553	mg/L	-0.25553 mg/L
1	Sr 407.771	5608.8	5835.1			
1	K 404.721	3830.9	3985.4	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	357226.0	357226.0	0.966	mg/L	
2	Ag 328.068	76.1	78.8	-0.00015	mg/L	-0.00015 mg/L
2	Al 308.215	1352.0	1399.6	0.35187	mg/L	0.35187 mg/L
2	As 193.696	10.1	10.4	0.00471	mg/L	0.00471 mg/L
2	B 249.773	2058.8	2131.3	0.07813	mg/L	0.07813 mg/L
2	Ba 233.527	25.0	25.8	0.00108	mg/L	0.00108 mg/L
2	Be 313.042	166.8	172.6	-0.00037	mg/L	-0.00037 mg/L
2	Ca 315.887	345.7	357.8	0.02609	mg/L	0.02609 mg/L
2	Cd 214.438	41.8	43.3	0.00034	mg/L	0.00034 mg/L
2	Co 238.892	-961.4	-995.3	0.00758	mg/L	0.00758 mg/L
2	Cr 267.716	-571.8	-592.0	0.01108	mg/L	0.01108 mg/L
2	Cu 324.754	2334.6	2416.9	-0.00139	mg/L	-0.00139 mg/L
2	Fe 234.349	546.8	566.1	0.00751	mg/L	0.00751 mg/L
2	K 766.491	-6483.5	-6711.9	0.00495	mg/L	0.00495 mg/L
2	Mo 202.030	48443.2	50149.7	9.6852	mg/L	9.6852 mg/L
2	Mn 257.610	100.0	103.5	0.00024	mg/L	0.00024 mg/L
2	Mg 279.079	23.6	24.4	0.00966	mg/L	0.00966 mg/L
2	Ni 231.604	-8.7	-9.0	-0.00106	mg/L	-0.00106 mg/L
2	Pb 220.353	-31.3	-32.4	0.00538	mg/L	0.00538 mg/L
2	Sn 189.933	11126.2	11518.1	9.2162	mg/L	9.2162 mg/L
2	Se 196.026	26.6	27.6	0.00931	mg/L	0.00931 mg/L
2	Sb 206.833	7846.8	8123.2	9.6399	mg/L	9.6399 mg/L
2	V 292.402	-1027.2	-1063.4	-0.01501	mg/L	-0.01501 mg/L
2	Tl 190.800	-19.0	-19.7	0.00342	mg/L	0.00342 mg/L
2	Zn 213.856	795.3	823.3	0.00749	mg/L	0.00749 mg/L
2	Na 330.237	352.9	365.3	-0.30661	mg/L	-0.30661 mg/L
2	Sr 407.771	5532.7	5727.6			
2	K 404.721	3889.6	4026.6	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: LCS:14751 Seq. No.: 26 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:13:20 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	356348.2	0.964	0.0034	mg/L				0.35%
Ag 328.068	79.7	-0.00013	0.000030	mg/L	-0.00013	0.000030	mg/L	23.03%
Al 308.215	1420.4	0.35779	0.008375	mg/L	0.35779	0.008375	mg/L	2.34%
As 193.696	10.3	0.00422	0.000684	mg/L	0.00422	0.000684	mg/L	16.20%
B 249.773	2128.8	0.07803	0.000145	mg/L	0.07803	0.000145	mg/L	0.19%
Ba 233.527	25.5	0.00107	0.000017	mg/L	0.00107	0.000017	mg/L	1.55%
Be 313.042	182.9	-0.00036	0.000015	mg/L	-0.00036	0.000015	mg/L	4.04%
Ca 315.887	358.7	0.02614	0.000080	mg/L	0.02614	0.000080	mg/L	0.31%
Cd 214.438	43.5	0.00035	0.000007	mg/L	0.00035	0.000007	mg/L	2.04%
Co 238.892	-998.3	0.00742	0.000223	mg/L	0.00742	0.000223	mg/L	3.01%
Cr 267.716	-603.3	0.01086	0.000304	mg/L	0.01086	0.000304	mg/L	2.79%
Cu 324.754	2412.6	-0.00142	0.000041	mg/L	-0.00142	0.000041	mg/L	2.90%
Fe 234.349	558.4	0.00685	0.000922	mg/L	0.00685	0.000922	mg/L	13.44%
K 766.491	-6783.8	0.00470	0.000347	mg/L	0.00470	0.000347	mg/L	7.37%
Mo 202.030	50119.6	9.6794	0.00823	mg/L	9.6794	0.00823	mg/L	0.09%
Mn 257.610	104.8	0.00024	0.000009	mg/L	0.00024	0.000009	mg/L	3.76%
Mg 279.079	17.5	0.00638	0.004630	mg/L	0.00638	0.004630	mg/L	72.53%
Ni 231.604	-8.9	-0.00103	0.000035	mg/L	-0.00103	0.000035	mg/L	3.39%
Pb 220.353	-36.8	0.00357	0.002569	mg/L	0.00357	0.002569	mg/L	72.04%
Sn 189.933	11525.6	9.2222	0.00850	mg/L	9.2222	0.00850	mg/L	0.09%
Se 196.026	23.0	0.00451	0.006782	mg/L	0.00451	0.006782	mg/L	150.23%
Sb 206.833	8113.9	9.6288	0.01564	mg/L	9.6288	0.01564	mg/L	0.16%
V 292.402	-1077.2	-0.01523	0.000313	mg/L	-0.01523	0.000313	mg/L	2.05%
Tl 190.800	-18.7	0.00436	0.001337	mg/L	0.00436	0.001337	mg/L	30.66%
Zn 213.856	829.0	0.00761	0.000178	mg/L	0.00761	0.000178	mg/L	2.34%
Na 330.237	372.2	-0.28107	0.036116	mg/L	-0.28107	0.036116	mg/L	12.85%
Sr 407.771	5781.4							1.31%
K 404.721	4006.0	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: 10809-5 Date: 11/18/96 8:15:42 AM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Y 324.228	234005.6	234005.6	0.633	mg/L		
1	Ag 328.068	-692.3	-1094.1	-0.02732	mg/L	-0.02732	mg/L
1	Al 308.215	13417.3	21204.0	5.9901	mg/L	5.9901	mg/L
1	As 193.696	-3.9	-6.1	0.31738	mg/L	0.31738	mg/L
1	B 249.773	14884.6	23522.8	0.93621	mg/L	0.93621	mg/L
1	Ba 233.527	3237.6	5116.6	0.15879	mg/L	0.15879	mg/L
1	Be 313.042	1082.7	1711.1	0.00114	mg/L	0.00114	mg/L
1	Ca 315.887	21623330.9	34172340.4	2362.9	mg/L	2362.9	mg/L
1	Cd 214.438	201.4	318.3	0.00592	mg/L	0.00592	mg/L
1	Co 238.892	1122.4	1773.7	0.07681	mg/L	0.07681	mg/L
1	Cr 267.716	2531.7	4000.9	0.05587	mg/L	0.05587	mg/L
1	Cu 324.754	3425.1	5412.8	0.02954	mg/L	0.02954	mg/L
1	Fe 234.349	535483.6	846249.2	71.704	mg/L	71.704	mg/L
1	K 766.491	7672209.8	12124744.6	41.332	mg/L	41.332	mg/L
1	Mo 202.030	75.3	119.1	0.02374	mg/L	0.02374	mg/L
1	Mn 257.610	186953.2	295450.8	1.5746	mg/L	1.5746	mg/L
1	Mg 279.079	1260664.4	1992285.8	943.29	mg/L	943.29	mg/L
1	Ni 231.604	136.8	216.2	0.03148	mg/L	0.03148	mg/L
1	Pb 220.353	29.0	45.9	0.00585	mg/L	0.00585	mg/L
1	Sn 189.933	85.8	135.5	0.65766	mg/L	0.65766	mg/L
1	Se 196.026	21.1	33.3	0.02781	mg/L	0.02781	mg/L
1	Sb 206.833	34.5	54.6	0.46795	mg/L	0.46795	mg/L
1	V 292.402	1016.3	1606.0	0.02768	mg/L	0.02768	mg/L
1	Tl 190.800	16.1	25.4	0.05444	mg/L	0.05444	mg/L
1	Zn 213.856	3902.5	6167.3	0.12487	mg/L	0.12487	mg/L
1	Na 330.237	674898.8	1066573.5	3949.4	mg/L	3949.4	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-70.9	-112.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	233140.6	233140.6	0.630	mg/L		
2	Ag 328.068	-716.1	-1135.9	-0.02829	mg/L	-0.02829	mg/L
2	Al 308.215	13303.2	21101.6	5.9610	mg/L	5.9610	mg/L
2	As 193.696	-6.4	-10.2	0.30506	mg/L	0.30506	mg/L
2	B 249.773	14824.2	23514.2	0.93587	mg/L	0.93587	mg/L
2	Ba 233.527	3242.1	5142.7	0.15960	mg/L	0.15960	mg/L
2	Be 313.042	1078.9	1711.3	0.00114	mg/L	0.00114	mg/L
2	Ca 315.887	21642411.6	34329405.6	2373.8	mg/L	2373.8	mg/L
2	Cd 214.438	206.1	327.0	0.00621	mg/L	0.00621	mg/L
2	Co 238.892	1072.3	1701.0	0.07372	mg/L	0.07372	mg/L
2	Cr 267.716	2530.0	4013.1	0.05605	mg/L	0.05605	mg/L
2	Cu 324.754	3428.1	5437.7	0.02974	mg/L	0.02974	mg/L
2	Fe 234.349	532092.6	844010.5	71.514	mg/L	71.514	mg/L
2	K 766.491	7218212.3	11449599.1	39.032	mg/L	39.032	mg/L
2	Mo 202.030	51.6	81.9	0.01655	mg/L	0.01655	mg/L
2	Mn 257.610	186752.1	296228.0	1.5787	mg/L	1.5787	mg/L
2	Mg 279.079	1253569.1	1988423.6	941.46	mg/L	941.46	mg/L
2	Ni 231.604	132.2	209.6	0.03054	mg/L	0.03054	mg/L
2	Pb 220.353	33.2	52.7	0.00863	mg/L	0.00863	mg/L
2	Sn 189.933	83.2	131.9	0.65595	mg/L	0.65595	mg/L
2	Se 196.026	13.4	21.3	0.01522	mg/L	0.01522	mg/L
2	Sb 206.833	32.6	51.7	0.46566	mg/L	0.46566	mg/L
2	V 292.402	976.8	1549.5	0.02677	mg/L	0.02677	mg/L
2	Tl 190.800	11.1	17.6	0.04698	mg/L	0.04698	mg/L
2	Zn 213.856	3900.3	6186.7	0.12529	mg/L	0.12529	mg/L
2	Na 330.237	664923.6	1054708.3	3905.4	mg/L	3905.4	mg/L
2	Sr 407.771	Saturated					
2	K 404.721	29.2	46.3	0.00000	mg/L	0.00000	mg/L

Mean Data ----------

ID: 10809-5 Seq. No.: 27 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:15:42 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	233573.1	0.632	0.0017	mg/L				0.26%
Ag 328.068	-1115.0	-0.02781	0.000686	mg/L	-0.02781	0.000686	mg/L	2.47%
Al 308.215	21152.8	5.9755	0.02062	mg/L	5.9755	0.02062	mg/L	0.35%
As 193.696	-8.1	0.31122	0.008708	mg/L	0.31122	0.008708	mg/L	2.80%
B 249.773	23518.5	0.93604	0.000244	mg/L	0.93604	0.000244	mg/L	0.03%
Ba 233.527	5129.6	0.15920	0.000573	mg/L	0.15920	0.000573	mg/L	0.36%
Be 313.042	1711.2	0.00114	0.000000	mg/L	0.00114	0.000000	mg/L	0.04%
Ca 315.887	34250873.0	2368.3	7.68	mg/L	2368.3	7.68	mg/L	0.32%
Cd 214.438	322.6	0.00606	0.000205	mg/L	0.00606	0.000205	mg/L	3.37%

Co 238.892	1737.3	0.07526	0.002188	mg/L	0.07526	0.002188 mg/L	2.91%
Cr 267.716	4007.0	0.05596	0.000130	mg/L	0.05596	0.000130 mg/L	0.23%
Cu 324.754	5425.3	0.02964	0.000142	mg/L	0.02964	0.000142 mg/L	0.48%
Fe 234.349	845129.9	71.609	0.1342	mg/L	71.609	0.1342 mg/L	0.19%
K 766.491	11787171.8	40.182	1.6263	mg/L	40.182	1.6263 mg/L	4.05%
Mo 202.030	100.5	0.02014	0.005083	mg/L	0.02014	0.005083 mg/L	25.23%
Mn 257.610	295839.4	1.5766	0.00293	mg/L	1.5766	0.00293 mg/L	0.19%
Mg 279.079	1990354.7	942.37	1.293	mg/L	942.37	1.293 mg/L	0.14%
Ni 231.604	212.9	0.03101	0.000667	mg/L	0.03101	0.000667 mg/L	2.15%
Pb 220.353	49.3	0.00724	0.001968	mg/L	0.00724	0.001968 mg/L	27.18%
Sn 189.933	133.7	0.65681	0.001215	mg/L	0.65681	0.001215 mg/L	0.18%
Se 196.026	27.3	0.02151	0.008898	mg/L	0.02151	0.008898 mg/L	41.36%
Sb 206.833	53.1	0.46680	0.001620	mg/L	0.46680	0.001620 mg/L	0.35%
V 292.402	1577.7	0.02722	0.000640	mg/L	0.02722	0.000640 mg/L	2.35%
Tl 190.800	21.5	0.05071	0.005279	mg/L	0.05071	0.005279 mg/L	10.41%
Zn 213.856	6177.0	0.12508	0.000301	mg/L	0.12508	0.000301 mg/L	0.24%
Na 330.237	1060640.9	3927.4	31.08	mg/L	3927.4	31.08 mg/L	0.79%
Sr 407.771	Saturated						
K 404.721	-32.9	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: CCV2 Date: 11/18/96 8:18:08 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	341023.8	341023.8	0.922	mg/L		
1	Ag 328.068	7044.9	7639.5	0.17500	mg/L	0.17500	mg/L
1	Al 308.215	60733.5	65860.1	18.704	mg/L	18.704	mg/L
1	As 193.696	75.0	81.4	0.18025	mg/L	0.18025	mg/L
1	B 249.773	9746.6	10569.3	0.41660	mg/L	0.41660	mg/L
1	Ba 233.527	12143.5	13168.5	0.40824	mg/L	0.40824	mg/L
1	Be 313.042	196431.7	213012.7	0.21190	mg/L	0.21190	mg/L
1	Ca 315.887	314574.9	341128.4	23.590	mg/L	23.590	mg/L
1	Cd 214.438	6029.0	6537.9	0.21402	mg/L	0.21402	mg/L
1	Co 238.892	9045.3	9808.8	0.41653	mg/L	0.41653	mg/L
1	Cr 267.716	22476.4	24373.7	0.40677	mg/L	0.40677	mg/L
1	Cu 324.754	44301.4	48040.9	0.36583	mg/L	0.36583	mg/L
1	Fe 234.349	232807.4	252458.8	21.363	mg/L	21.363	mg/L
1	K 766.491	5807105.3	6297286.9	21.480	mg/L	21.480	mg/L
1	Mo 202.030	1923.5	2085.9	0.40371	mg/L	0.40371	mg/L
1	Mn 257.610	68962.2	74783.4	0.39831	mg/L	0.39831	mg/L
1	Mg 279.079	40201.9	43595.4	20.643	mg/L	20.643	mg/L
1	Ni 231.604	2546.5	2761.5	0.39925	mg/L	0.39925	mg/L
1	Pb 220.353	947.5	1027.5	0.40756	mg/L	0.40756	mg/L
1	Sn 189.933	488.9	530.2	0.43525	mg/L	0.43525	mg/L
1	Se 196.026	391.2	424.2	0.42135	mg/L	0.42135	mg/L
1	Sb 206.833	339.9	368.6	0.41912	mg/L	0.41912	mg/L
1	V 292.402	23143.6	25097.1	0.40332	mg/L	0.40332	mg/L
1	Tl 190.800	170.2	184.6	0.20216	mg/L	0.20216	mg/L
1	Zn 213.856	18461.0	20019.4	0.42912	mg/L	0.42912	mg/L
1	Na 330.237	6233.4	6759.6	23.381	mg/L	23.381	mg/L
1	Sr 407.771	645286.4	699755.4				
1	K 404.721	1509.4	1636.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	341490.1	341490.1	0.923	mg/L		
2	Ag 328.068	7972.3	8633.5	0.19803	mg/L	0.19803	mg/L
2	Al 308.215	61236.7	66315.1	18.833	mg/L	18.833	mg/L
2	As 193.696	79.2	85.8	0.19176	mg/L	0.19176	mg/L
2	B 249.773	9790.4	10602.3	0.41793	mg/L	0.41793	mg/L
2	Ba 233.527	12200.3	13212.1	0.40959	mg/L	0.40959	mg/L
2	Be 313.042	196779.1	213098.0	0.21198	mg/L	0.21198	mg/L
2	Ca 315.887	310012.1	335721.3	23.217	mg/L	23.217	mg/L
2	Cd 214.438	6052.5	6554.4	0.21457	mg/L	0.21457	mg/L
2	Co 238.892	9019.8	9767.8	0.41482	mg/L	0.41482	mg/L
2	Cr 267.716	22546.9	24416.7	0.40751	mg/L	0.40751	mg/L
2	Cu 324.754	44484.9	48174.0	0.36688	mg/L	0.36688	mg/L
2	Fe 234.349	233354.9	252707.1	21.384	mg/L	21.384	mg/L
2	K 766.491	5853460.2	6338887.1	21.622	mg/L	21.622	mg/L
2	Mo 202.030	1937.4	2098.0	0.40605	mg/L	0.40605	mg/L
2	Mn 257.610	69177.9	74914.9	0.39902	mg/L	0.39902	mg/L
2	Mg 279.079	40018.4	43337.1	20.521	mg/L	20.521	mg/L
2	Ni 231.604	2550.8	2762.4	0.39938	mg/L	0.39938	mg/L
2	Pb 220.353	960.6	1040.3	0.41280	mg/L	0.41280	mg/L
2	Sn 189.933	489.0	529.6	0.43473	mg/L	0.43473	mg/L
2	Se 196.026	368.4	399.0	0.39490	mg/L	0.39490	mg/L

2 Sb 206.833	335.5	363.3	0.41279 mg/L	0.41279 mg/L	
2 V 292.402	23246.6	25174.4	0.40456 mg/L	0.40456 mg/L	
2 Tl 190.800	172.0	186.3	0.20380 mg/L	0.20380 mg/L	
2 Zn 213.856	18547.8	20086.0	0.43058 mg/L	0.43058 mg/L	
2 Na 330.237	5989.3	6486.0	22.367 mg/L	22.367 mg/L	
2 Sr 407.771	510290.9	552609.3			
2 K 404.721	1565.1	1694.8	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: CCV2 Seq. No.: 28 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:18:08 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	341257.0	0.923	0.0009	mg/L				0.10%
Ag 328.068	8136.5	0.18651	0.016282	mg/L	0.18651	0.016282	mg/L	8.73%
Al 308.215	66087.6	18.769	0.0916	mg/L	18.769	0.0916	mg/L	0.49%
As 193.696	83.6	0.18600	0.008139	mg/L	0.18600	0.008139	mg/L	4.38%
B 249.773	10585.8	0.41727	0.000937	mg/L	0.41727	0.000937	mg/L	0.22%
Ba 233.527	13190.3	0.40892	0.000955	mg/L	0.40892	0.000955	mg/L	0.23%
Be 313.042	213055.3	0.21194	0.000060	mg/L	0.21194	0.000060	mg/L	0.03%
Ca 315.887	338424.9	23.403	0.2644	mg/L	23.403	0.2644	mg/L	1.13%
Cd 214.438	6546.1	0.21429	0.000390	mg/L	0.21429	0.000390	mg/L	0.18%
Co 238.892	9788.3	0.41567	0.001212	mg/L	0.41567	0.001212	mg/L	0.29%
Cr 267.716	24395.2	0.40714	0.000528	mg/L	0.40714	0.000528	mg/L	0.13%
Cu 324.754	48107.4	0.36635	0.000742	mg/L	0.36635	0.000742	mg/L	0.20%
Fe 234.349	252582.9	21.373	0.0149	mg/L	21.373	0.0149	mg/L	0.07%
K 766.491	6318087.0	21.551	0.1002	mg/L	21.551	0.1002	mg/L	0.46%
Mo 202.030	2092.0	0.40488	0.001654	mg/L	0.40488	0.001654	mg/L	0.41%
Mn 257.610	74849.1	0.39866	0.000496	mg/L	0.39866	0.000496	mg/L	0.12%
Mg 279.079	43466.3	20.582	0.0865	mg/L	20.582	0.0865	mg/L	0.42%
Ni 231.604	2761.9	0.39931	0.000093	mg/L	0.39931	0.000093	mg/L	0.02%
Pb 220.353	1033.9	0.41018	0.003700	mg/L	0.41018	0.003700	mg/L	0.90%
Sn 189.933	529.9	0.43499	0.000367	mg/L	0.43499	0.000367	mg/L	0.08%
Se 196.026	411.6	0.40813	0.018701	mg/L	0.40813	0.018701	mg/L	4.58%
Sb 206.833	366.0	0.41596	0.004479	mg/L	0.41596	0.004479	mg/L	1.08%
V 292.402	25135.8	0.40394	0.000874	mg/L	0.40394	0.000874	mg/L	0.22%
Tl 190.800	185.4	0.20298	0.001156	mg/L	0.20298	0.001156	mg/L	0.57%
Zn 213.856	20052.7	0.42985	0.001035	mg/L	0.42985	0.001035	mg/L	0.24%
Na 330.237	6622.8	22.874	0.7167	mg/L	22.874	0.7167	mg/L	3.13%
Sr 407.771	626182.4							16.62%
K 404.721	1665.8	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: CCB2 Date: 11/18/96 8:20:35 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	345976.8	345976.8	0.936	mg/L		
1	Ag 328.068	520.1	555.9	0.01090	mg/L	0.01090	mg/L
1	Al 308.215	217.8	232.8	0.01967	mg/L	0.01967	mg/L
1	As 193.696	10.0	10.7	0.00991	mg/L	0.00991	mg/L
1	B 249.773	335.9	359.0	0.00704	mg/L	0.00704	mg/L
1	Ba 233.527	6.3	6.7	0.00049	mg/L	0.00049	mg/L
1	Be 313.042	615.5	657.8	0.00011	mg/L	0.00011	mg/L
1	Ca 315.887	6027.6	6442.8	0.44688	mg/L	0.44688	mg/L
1	Cd 214.438	144.0	153.9	0.00051	mg/L	0.00051	mg/L
1	Co 238.892	-49.2	-52.6	-0.00007	mg/L	-0.00007	mg/L
1	Cr 267.716	784.9	838.9	0.00155	mg/L	0.00155	mg/L
1	Cu 324.754	1585.4	1694.6	0.00020	mg/L	0.00020	mg/L
1	Fe 234.349	767.3	820.1	0.02905	mg/L	0.02905	mg/L
1	K 766.491	2629.8	2811.0	0.03739	mg/L	0.03739	mg/L
1	Mo 202.030	29.6	31.6	0.00684	mg/L	0.00684	mg/L
1	Mn 257.610	147.2	157.4	0.00052	mg/L	0.00052	mg/L
1	Mg 279.079	273.1	291.9	0.13631	mg/L	0.13631	mg/L
1	Ni 231.604	5.8	6.3	0.00115	mg/L	0.00115	mg/L
1	Pb 220.353	28.3	30.3	0.00086	mg/L	0.00086	mg/L
1	Sn 189.933	12.8	13.7	0.00584	mg/L	0.00584	mg/L
1	Se 196.026	23.1	24.7	0.01088	mg/L	0.01088	mg/L
1	Sb 206.833	26.9	28.7	0.00463	mg/L	0.00463	mg/L
1	V 292.402	-120.1	-128.4	-0.00006	mg/L	-0.00006	mg/L
1	Tl 190.800	-20.7	-22.1	0.00233	mg/L	0.00233	mg/L
1	Zn 213.856	495.2	529.3	0.00103	mg/L	0.00103	mg/L
1	Na 330.237	596.7	637.8	0.70286	mg/L	0.70286	mg/L

1	Sr 407.771	138460.3	147998.3		
1	K 404.721	3553.7	3798.5	0.00000 mg/L	0.00000 mg/L
[redacted]	Y 324.228	345111.0	345111.0	0.933 mg/L	
[redacted]	Ag 328.068	465.0	498.3	0.00957 mg/L	0.00957 mg/L
2	Al 308.215	181.1	194.1	0.00865 mg/L	0.00865 mg/L
2	As 193.696	8.8	9.4	0.00655 mg/L	0.00655 mg/L
2	B 249.773	321.2	344.2	0.00644 mg/L	0.00644 mg/L
2	Ba 233.527	2.2	2.4	0.00036 mg/L	0.00036 mg/L
2	Be 313.042	554.2	593.9	0.00004 mg/L	0.00004 mg/L
2	Ca 315.887	5175.0	5545.3	0.38483 mg/L	0.38483 mg/L
2	Cd 214.438	141.1	151.2	0.00042 mg/L	0.00042 mg/L
2	Co 238.892	-47.8	-51.2	-0.00001 mg/L	-0.00001 mg/L
2	Cr 267.716	786.3	842.6	0.00161 mg/L	0.00161 mg/L
2	Cu 324.754	1600.0	1714.5	0.00036 mg/L	0.00036 mg/L
2	Fe 234.349	714.0	765.1	0.02438 mg/L	0.02438 mg/L
2	K 766.491	2629.0	2817.1	0.03741 mg/L	0.03741 mg/L
2	Mo 202.030	27.0	28.9	0.00632 mg/L	0.00632 mg/L
2	Mn 257.610	128.7	137.9	0.00042 mg/L	0.00042 mg/L
2	Mg 279.079	235.4	252.2	0.11751 mg/L	0.11751 mg/L
2	Ni 231.604	-1.6	-1.8	-0.00001 mg/L	-0.00001 mg/L
2	Pb 220.353	31.0	33.3	0.00208 mg/L	0.00208 mg/L
2	Sn 189.933	12.9	13.8	0.00593 mg/L	0.00593 mg/L
2	Se 196.026	23.7	25.4	0.01158 mg/L	0.01158 mg/L
2	Sb 206.833	24.6	26.3	0.00175 mg/L	0.00175 mg/L
2	V 292.402	-124.2	-133.1	-0.00013 mg/L	-0.00013 mg/L
2	Tl 190.800	-19.2	-20.5	0.00385 mg/L	0.00385 mg/L
2	Zn 213.856	490.6	525.7	0.00095 mg/L	0.00095 mg/L
2	Na 330.237	594.2	636.7	0.69884 mg/L	0.69884 mg/L
2	Sr 407.771	119078.2	127600.4		
2	K 404.721	3437.3	3683.3	0.00000 mg/L	0.00000 mg/L

Mean Data ----------

ID: CCB2 Seq. No.: 29 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:20:35 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	345543.9	0.934	0.0017	mg/L				0.18%
Ag 328.068	527.1	0.01023	0.000944	mg/L	0.01023	0.000944	mg/L	9.22%
Al 308.215	213.4	0.01416	0.007796	mg/L	0.01416	0.007796	mg/L	55.06%
As 193.696	10.0	0.00823	0.002381	mg/L	0.00823	0.002381	mg/L	28.93%
B 249.773	351.6	0.00674	0.000420	mg/L	0.00674	0.000420	mg/L	6.23%
Ba 233.527	4.5	0.00042	0.000095	mg/L	0.00042	0.000095	mg/L	22.56%
Be 313.042	625.9	0.00007	0.000045	mg/L	0.00007	0.000045	mg/L	61.75%
Ca 315.887	5994.1	0.41586	0.043881	mg/L	0.41586	0.043881	mg/L	10.55%
Cd 214.438	152.6	0.00047	0.000063	mg/L	0.00047	0.000063	mg/L	13.58%
Co 238.892	-51.9	-0.00004	0.000040	mg/L	-0.00004	0.000040	mg/L	99.48%
Cr 267.716	840.8	0.00158	0.000043	mg/L	0.00158	0.000043	mg/L	2.73%
Cu 324.754	1704.5	0.00028	0.000111	mg/L	0.00028	0.000111	mg/L	39.97%
Fe 234.349	792.6	0.02671	0.003302	mg/L	0.02671	0.003302	mg/L	12.36%
K 766.491	2814.0	0.03740	0.000015	mg/L	0.03740	0.000015	mg/L	0.04%
Mo 202.030	30.3	0.00658	0.000369	mg/L	0.00658	0.000369	mg/L	5.61%
Mn 257.610	147.6	0.00047	0.000073	mg/L	0.00047	0.000073	mg/L	15.52%
Mg 279.079	272.1	0.12691	0.013300	mg/L	0.12691	0.013300	mg/L	10.48%
Ni 231.604	2.2	0.00057	0.000818	mg/L	0.00057	0.000818	mg/L	142.89%
Pb 220.353	31.8	0.00147	0.000859	mg/L	0.00147	0.000859	mg/L	58.37%
Sn 189.933	13.8	0.00589	0.000067	mg/L	0.00589	0.000067	mg/L	1.13%
Se 196.026	25.0	0.01123	0.000500	mg/L	0.01123	0.000500	mg/L	4.45%
Sb 206.833	27.5	0.00319	0.002035	mg/L	0.00319	0.002035	mg/L	63.75%
V 292.402	-130.8	-0.00010	0.000053	mg/L	-0.00010	0.000053	mg/L	55.42%
Tl 190.800	-21.3	0.00309	0.001075	mg/L	0.00309	0.001075	mg/L	34.79%
Zn 213.856	527.5	0.00099	0.000056	mg/L	0.00099	0.000056	mg/L	5.67%
Na 330.237	637.3	0.70085	0.002843	mg/L	0.70085	0.002843	mg/L	0.41%
Sr 407.771	137799.4							10.47%
K 404.721	3740.9	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

[redacted]10809-5D Date: 11/18/96 8:23:06 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	228683.0	228683.0	0.618	mg/L		
1	Ag 328.068	-712.7	-1152.5	-0.02867	mg/L	-0.02867	mg/L

1	Al 308.215	12630.8	20425.6	5.7685 mg/L	5.7685 mg/L
1	As 193.696	-4.6	-7.5	0.31974 mg/L	0.31974 mg/L
1	B 249.773	14046.9	22715.6	0.90383 mg/L	0.90383 mg/L
1	Ba 233.527	3225.0	5215.2	0.16185 mg/L	0.16185 mg/L
1	Be 313.042	1060.0	1714.1	0.00115 mg/L	0.00115 mg/L
1	Ca 315.887	21531718.3	34819566.6	2407.7 mg/L	2407.7 mg/L
1	Cd 214.438	202.9	328.1	0.00624 mg/L	0.00624 mg/L
1	Co 238.892	1072.3	1734.1	0.07506 mg/L	0.07506 mg/L
1	Cr 267.716	2054.2	3321.9	0.04416 mg/L	0.04416 mg/L
1	Cu 324.754	3062.0	4951.6	0.02591 mg/L	0.02591 mg/L
1	Fe 234.349	528379.1	854457.1	72.400 mg/L	72.400 mg/L
1	K 766.491	7586606.7	12268521.9	41.822 mg/L	41.822 mg/L
1	Mo 202.030	20.2	32.7	0.00706 mg/L	0.00706 mg/L
1	Mn 257.610	184595.5	298514.8	1.5909 mg/L	1.5909 mg/L
1	Mg 279.079	1252662.4	2025716.7	959.11 mg/L	959.11 mg/L
1	Ni 231.604	99.5	160.9	0.02349 mg/L	0.02349 mg/L
1	Pb 220.353	22.9	37.0	0.00220 mg/L	0.00220 mg/L
1	Sn 189.933	52.1	84.3	0.62653 mg/L	0.62653 mg/L
1	Se 196.026	26.5	42.9	0.03823 mg/L	0.03823 mg/L
1	Sb 206.833	20.0	32.4	0.44948 mg/L	0.44948 mg/L
1	V 292.402	980.8	1586.0	0.02736 mg/L	0.02736 mg/L
1	Tl 190.800	8.1	13.1	0.04267 mg/L	0.04267 mg/L
1	Zn 213.856	3514.8	5683.9	0.11425 mg/L	0.11425 mg/L
1	Na 330.237	659804.3	1066988.7	3950.9 mg/L	3950.9 mg/L
1	Sr 407.771	Saturated			
1	K 404.721	-70.9	-114.7	0.00000 mg/L	0.00000 mg/L
2	Y 324.228	243980.8	243980.8	0.660 mg/L	
2	Ag 328.068	-708.1	-1073.3	-0.02684 mg/L	-0.02684 mg/L
2	Al 308.215	14041.2	21282.7	6.0125 mg/L	6.0125 mg/L
2	As 193.696	-9.4	-14.3	0.28826 mg/L	0.28826 mg/L
2	B 249.773	15229.8	23084.3	0.91862 mg/L	0.91862 mg/L
2	Ba 233.527	3320.5	5033.0	0.15620 mg/L	0.15620 mg/L
2	Be 313.042	1136.0	1721.8	0.00115 mg/L	0.00115 mg/L
2	Ca 315.887	21451627.1	32514950.6	2248.3 mg/L	2248.3 mg/L
2	Cd 214.438	212.1	321.5	0.00601 mg/L	0.00601 mg/L
2	Co 238.892	1122.4	1701.2	0.07367 mg/L	0.07367 mg/L
2	Cr 267.716	2072.3	3141.0	0.04105 mg/L	0.04105 mg/L
2	Cu 324.754	3230.9	4897.2	0.02549 mg/L	0.02549 mg/L
2	Fe 234.349	540163.9	818744.5	69.372 mg/L	69.372 mg/L
2	K 766.491	7838360.9	11880866.5	40.501 mg/L	40.501 mg/L
2	Mo 202.030	16.4	24.8	0.00553 mg/L	0.00553 mg/L
2	Mn 257.610	192490.7	291764.5	1.5549 mg/L	1.5549 mg/L
2	Mg 279.079	1278050.1	1937183.4	917.20 mg/L	917.20 mg/L
2	Ni 231.604	104.0	157.6	0.02302 mg/L	0.02302 mg/L
2	Pb 220.353	26.9	40.8	0.00369 mg/L	0.00369 mg/L
2	Sn 189.933	51.9	78.6	0.58962 mg/L	0.58962 mg/L
2	Se 196.026	17.7	26.9	0.02095 mg/L	0.02095 mg/L
2	Sb 206.833	22.5	34.1	0.42526 mg/L	0.42526 mg/L
2	V 292.402	1027.4	1557.3	0.02690 mg/L	0.02690 mg/L
2	Tl 190.800	13.9	21.0	0.05013 mg/L	0.05013 mg/L
2	Zn 213.856	3612.1	5475.0	0.10966 mg/L	0.10966 mg/L
2	Na 330.237	720348.7	1091856.7	4043.1 mg/L	4043.1 mg/L
2	Sr 407.771	Saturated			
2	K 404.721	229.4	347.8	0.00000 mg/L	0.00000 mg/L

Mean Data ----------

ID: 10809-5D Seq. No.: 30 Sample No.: 0 A/S Pos: 0

Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 8:23:06 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	236331.9	0.639	0.0293	mg/L				4.58%
Ag 328.068	-1112.9	-0.02776	0.001297	mg/L	-0.02776	0.001297	mg/L	4.67%
Al 308.215	20854.1	5.8905	0.17254	mg/L	5.8905	0.17254	mg/L	2.93%
As 193.696	-10.9	0.30400	0.022262	mg/L	0.30400	0.022262	mg/L	7.32%
B 249.773	22900.0	0.91123	0.010459	mg/L	0.91123	0.010459	mg/L	1.15%
Ba 233.527	5124.1	0.15903	0.003993	mg/L	0.15903	0.003993	mg/L	2.51%
Be 313.042	1718.0	0.00115	0.000006	mg/L	0.00115	0.000006	mg/L	0.49%
Ca 315.887	33667258.6	2328.0	112.68	mg/L	2328.0	112.68	mg/L	4.84%
Cd 214.438	324.8	0.00613	0.000162	mg/L	0.00613	0.000162	mg/L	2.64%
Co 238.892	1717.6	0.07437	0.000984	mg/L	0.07437	0.000984	mg/L	1.32%
Cr 267.716	3231.4	0.04260	0.002198	mg/L	0.04260	0.002198	mg/L	5.16%
Cu 324.754	4924.4	0.02570	0.000303	mg/L	0.02570	0.000303	mg/L	1.18%
Fe 234.349	836600.8	70.886	2.1409	mg/L	70.886	2.1409	mg/L	3.02%

K 766.491	12074694.2	41.162	0.9338	mg/L	41.162	0.9338 mg/L	2.27%
Mo 202.030	28.8	0.00630	0.001076	mg/L	0.00630	0.001076 mg/L	17.09%
Mn 257.610	295139.7	1.5729	0.02544	mg/L	1.5729	0.02544 mg/L	1.62%
Mg 279.079	1981450.0	938.16	29.640	mg/L	938.16	29.640 mg/L	3.16%
Ni 231.604	159.2	0.02326	0.000334	mg/L	0.02326	0.000334 mg/L	1.43%
Pb 220.353	38.9	0.00294	0.001050	mg/L	0.00294	0.001050 mg/L	35.70%
Sn 189.933	81.4	0.60807	0.026103	mg/L	0.60807	0.026103 mg/L	4.29%
Se 196.026	34.9	0.02959	0.012223	mg/L	0.02959	0.012223 mg/L	41.31%
Sb 206.833	33.3	0.43737	0.017129	mg/L	0.43737	0.017129 mg/L	3.92%
V 292.402	1571.7	0.02713	0.000325	mg/L	0.02713	0.000325 mg/L	1.20%
Tl 190.800	17.1	0.04640	0.005273	mg/L	0.04640	0.005273 mg/L	11.36%
Zn 213.856	5579.4	0.11195	0.003245	mg/L	0.11195	0.003245 mg/L	2.90%
Na 330.237	1079422.7	3997.0	65.14	mg/L	3997.0	65.14 mg/L	1.63%
Sr 407.771	Saturated						
K 404.721	116.5	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: 10809-5MS Date: 11/18/96 8:25:41 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	243954.9	243954.9	0.660	mg/L		
1	Ag 328.068	-738.6	-1119.6	-0.02791	mg/L	-0.02791	mg/L
1	Al 308.215	22422.5	33990.1	9.6302	mg/L	9.6302	mg/L
1	As 193.696	0.1	0.1	0.31276	mg/L	0.31276	mg/L
1	B 249.773	15742.5	23863.9	0.94989	mg/L	0.94989	mg/L
1	Ba 233.527	3503.2	5310.4	0.16480	mg/L	0.16480	mg/L
1	Be 313.042	924.7	1401.7	0.00084	mg/L	0.00084	mg/L
1	Ca 315.887	21671943.3	32852370.2	2271.6	mg/L	2271.6	mg/L
1	Cd 214.438	145.4	220.4	0.00607	mg/L	0.00607	mg/L
1	Co 238.892	528.0	800.4	0.08261	mg/L	0.08261	mg/L
1	Cr 267.716	1458.6	2211.1	0.05883	mg/L	0.05883	mg/L
1	Cu 324.754	4278.0	6485.0	0.03080	mg/L	0.03080	mg/L
1	Fe 234.349	538648.7	816534.3	69.184	mg/L	69.184	mg/L
1	K 766.491	8414151.8	12754962.7	43.479	mg/L	43.479	mg/L
1	Mo 202.030	32750.1	49645.7	9.5879	mg/L	9.5879	mg/L
1	Mn 257.610	192458.4	291746.5	1.5548	mg/L	1.5548	mg/L
1	Mg 279.079	1268511.1	1922928.5	910.45	mg/L	910.45	mg/L
1	Ni 231.604	117.2	177.7	0.02592	mg/L	0.02592	mg/L
1	Pb 220.353	-21.1	-32.0	0.00307	mg/L	0.00307	mg/L
1	Sn 189.933	7641.5	11583.8	9.8032	mg/L	9.8032	mg/L
1	Se 196.026	14.9	22.6	0.01141	mg/L	0.01141	mg/L
1	Sb 206.833	6300.5	9550.9	11.748	mg/L	11.748	mg/L
1	V 292.402	628.4	952.5	0.01723	mg/L	0.01723	mg/L
1	Tl 190.800	18.8	28.4	0.05603	mg/L	0.05603	mg/L
1	Zn 213.856	3659.9	5548.0	0.11126	mg/L	0.11126	mg/L
1	Na 330.237	688398.2	1043538.8	3864.1	mg/L	3864.1	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-117.3	-177.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	239197.4	239197.4	0.647	mg/L		
2	Ag 328.068	-740.6	-1145.0	-0.02850	mg/L	-0.02850	mg/L
2	Al 308.215	21850.2	33781.4	9.5708	mg/L	9.5708	mg/L
2	As 193.696	-1.3	-2.1	0.31864	mg/L	0.31864	mg/L
2	B 249.773	15418.3	23837.4	0.94883	mg/L	0.94883	mg/L
2	Ba 233.527	3477.0	5375.6	0.16682	mg/L	0.16682	mg/L
2	Be 313.042	881.8	1363.4	0.00080	mg/L	0.00080	mg/L
2	Ca 315.887	21477818.7	33205666.9	2296.1	mg/L	2296.1	mg/L
2	Cd 214.438	148.6	229.7	0.00641	mg/L	0.00641	mg/L
2	Co 238.892	491.7	760.3	0.08138	mg/L	0.08138	mg/L
2	Cr 267.716	1470.8	2273.9	0.06024	mg/L	0.06024	mg/L
2	Cu 324.754	4176.8	6457.5	0.03052	mg/L	0.03052	mg/L
2	Fe 234.349	543327.3	840008.2	71.175	mg/L	71.175	mg/L
2	K 766.491	8952683.3	13841248.2	47.180	mg/L	47.180	mg/L
2	Mo 202.030	32430.3	50138.7	9.6831	mg/L	9.6831	mg/L
2	Mn 257.610	189660.8	293224.1	1.5627	mg/L	1.5627	mg/L
2	Mg 279.079	1277990.5	1975830.4	935.49	mg/L	935.49	mg/L
2	Ni 231.604	109.1	168.7	0.02463	mg/L	0.02463	mg/L
2	Pb 220.353	-17.4	-26.9	0.00550	mg/L	0.00550	mg/L
2	Sn 189.933	7578.0	11715.9	9.9181	mg/L	9.9181	mg/L
2	Se 196.026	-7.8	-12.1	-0.02486	mg/L	-0.02486	mg/L
2	Sb 206.833	6153.2	9513.2	11.710	mg/L	11.710	mg/L
2	V 292.402	631.8	976.8	0.01762	mg/L	0.01762	mg/L
2	Tl 190.800	19.1	29.5	0.05705	mg/L	0.05705	mg/L
2	Zn 213.856	3611.6	5583.7	0.11205	mg/L	0.11205	mg/L

2 Na 330.237	721176.4	1114970.9	4128.7	mg/L	4128.7	mg/L
2 Sr 407.771	Saturated					
2 K 404.721	-163.6	-253.0	0.00000	mg/L	0.00000	mg/L

Mean Data ----------

ID: 10809-5MS Seq. No.: 31 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:25:41 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	241576.2	0.653	0.0091	mg/L				1.39%
Ag 328.068	-1132.3	-0.02821	0.000415	mg/L	-0.02821	0.000415	mg/L	1.47%
Al 308.215	33885.8	9.6005	0.04201	mg/L	9.6005	0.04201	mg/L	0.44%
As 193.696	-1.0	0.31570	0.004156	mg/L	0.31570	0.004156	mg/L	1.32%
B 249.773	23850.7	0.94936	0.000751	mg/L	0.94936	0.000751	mg/L	0.08%
Ba 233.527	5343.0	0.16581	0.001427	mg/L	0.16581	0.001427	mg/L	0.86%
Be 313.042	1382.5	0.00082	0.000027	mg/L	0.00082	0.000027	mg/L	3.32%
Ca 315.887	33029018.5	2283.9	17.27	mg/L	2283.9	17.27	mg/L	0.76%
Cd 214.438	225.1	0.00624	0.000245	mg/L	0.00624	0.000245	mg/L	3.93%
Co 238.892	780.4	0.08199	0.000866	mg/L	0.08199	0.000866	mg/L	1.06%
Cr 267.716	2242.5	0.05954	0.000999	mg/L	0.05954	0.000999	mg/L	1.68%
Cu 324.754	6471.3	0.03066	0.000204	mg/L	0.03066	0.000204	mg/L	0.67%
Fe 234.349	828271.3	70.180	1.4072	mg/L	70.180	1.4072	mg/L	2.01%
K 766.491	13298105.5	45.329	2.6167	mg/L	45.329	2.6167	mg/L	5.77%
Mo 202.030	49892.2	9.6355	0.06732	mg/L	9.6355	0.06732	mg/L	0.70%
Mn 257.610	292485.3	1.5588	0.00557	mg/L	1.5588	0.00557	mg/L	0.36%
Mg 279.079	1949379.4	922.97	17.711	mg/L	922.97	17.711	mg/L	1.92%
Ni 231.604	173.2	0.02527	0.000912	mg/L	0.02527	0.000912	mg/L	3.61%
Pb 220.353	-29.5	0.00429	0.001717	mg/L	0.00429	0.001717	mg/L	40.07%
Sn 189.933	11649.8	9.8607	0.08127	mg/L	9.8607	0.08127	mg/L	0.82%
Se 196.026	5.2	-0.00673	0.025647	mg/L	-0.00673	0.025647	mg/L	381.36%
Sb 206.833	9532.0	11.729	0.0268	mg/L	11.729	0.0268	mg/L	0.23%
V 292.402	964.7	0.01742	0.000275	mg/L	0.01742	0.000275	mg/L	1.58%
Tl 190.800	28.9	0.05654	0.000718	mg/L	0.05654	0.000718	mg/L	1.27%
Zn 213.856	5565.9	0.11166	0.000555	mg/L	0.11166	0.000555	mg/L	0.50%
Na 330.237	1079254.8	3996.4	187.11	mg/L	3996.4	187.11	mg/L	4.68%
Sr 407.771	Saturated							
K 404.721	-215.4	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 10809-5MD Date: 11/18/96 8:28:15 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	241014.1	241014.1	0.652	mg/L		
1	Ag 328.068	-744.5	-1142.3	-0.02844	mg/L	-0.02844	mg/L
1	Al 308.215	22509.9	34539.0	9.7865	mg/L	9.7865	mg/L
1	As 193.696	-1.8	-2.7	0.31311	mg/L	0.31311	mg/L
1	B 249.773	15234.5	23375.7	0.93031	mg/L	0.93031	mg/L
1	Ba 233.527	3492.9	5359.4	0.16632	mg/L	0.16632	mg/L
1	Be 313.042	884.2	1356.6	0.00079	mg/L	0.00079	mg/L
1	Ca 315.887	21677933.7	33262429.3	2300.0	mg/L	2300.0	mg/L
1	Cd 214.438	146.9	225.3	0.00631	mg/L	0.00631	mg/L
1	Co 238.892	455.5	698.8	0.07935	mg/L	0.07935	mg/L
1	Cr 267.716	1583.2	2429.2	0.06330	mg/L	0.06330	mg/L
1	Cu 324.754	3985.3	6114.9	0.02773	mg/L	0.02773	mg/L
1	Fe 234.349	546616.7	838723.9	71.066	mg/L	71.066	mg/L
1	K 766.491	8708063.0	13361574.7	45.546	mg/L	45.546	mg/L
1	Mo 202.030	33054.3	50718.2	9.7950	mg/L	9.7950	mg/L
1	Mn 257.610	190235.0	291894.9	1.5556	mg/L	1.5556	mg/L
1	Mg 279.079	1278900.8	1962334.0	929.10	mg/L	929.10	mg/L
1	Ni 231.604	113.7	174.4	0.02545	mg/L	0.02545	mg/L
1	Pb 220.353	-16.8	-25.9	0.00623	mg/L	0.00623	mg/L
1	Sn 189.933	7598.0	11658.4	9.8713	mg/L	9.8713	mg/L
1	Se 196.026	3.7	5.7	-0.00643	mg/L	-0.00643	mg/L
1	Sb 206.833	6052.0	9286.1	11.441	mg/L	11.441	mg/L
1	V 292.402	623.5	956.7	0.01729	mg/L	0.01729	mg/L
1	Tl 190.800	11.0	16.9	0.04489	mg/L	0.04489	mg/L
1	Zn 213.856	3510.9	5387.1	0.10773	mg/L	0.10773	mg/L
1	Na 330.237	707366.6	1085377.0	4019.1	mg/L	4019.1	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-163.6	-251.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	237124.5	237124.5	0.641	mg/L		

2	Ag 328.068	-742.2	-1157.5	-0.02879	mg/L	-0.02879 mg/L
2	Al 308.215	21902.4	34158.1	9.6780	mg/L	9.6780 mg/L
2	As 193.696	-6.4	-10.0	0.29637	mg/L	0.29637 mg/L
2	B 249.773	14953.4	23320.7	0.92811	mg/L	0.92811 mg/L
2	Ba 233.527	3460.8	5397.4	0.16749	mg/L	0.16749 mg/L
2	Be 313.042	888.8	1386.1	0.00082	mg/L	0.00082 mg/L
2	Ca 315.887	21527948.4	33574122.0	2321.6	mg/L	2321.6 mg/L
2	Cd 214.438	151.0	235.4	0.00668	mg/L	0.00668 mg/L
2	Co 238.892	491.7	766.9	0.08263	mg/L	0.08263 mg/L
2	Cr 267.716	1556.5	2427.5	0.06357	mg/L	0.06357 mg/L
2	Cu 324.754	3909.9	6097.7	0.02753	mg/L	0.02753 mg/L
2	Fe 234.349	541434.2	844399.1	71.547	mg/L	71.547 mg/L
2	K 766.491	8637365.9	13470488.3	45.917	mg/L	45.917 mg/L
2	Mo 202.030	32805.7	51162.4	9.8808	mg/L	9.8808 mg/L
2	Mn 257.610	189141.0	294976.7	1.5720	mg/L	1.5720 mg/L
2	Mg 279.079	1268297.9	1977986.4	936.52	mg/L	936.52 mg/L
2	Ni 231.604	110.4	172.2	0.02513	mg/L	0.02513 mg/L
2	Pb 220.353	-21.3	-33.1	0.00352	mg/L	0.00352 mg/L
2	Sn 189.933	7524.6	11735.1	9.9375	mg/L	9.9375 mg/L
2	Se 196.026	14.6	22.8	0.01162	mg/L	0.01162 mg/L
2	Sb 206.833	5927.0	9243.5	11.395	mg/L	11.395 mg/L
2	V 292.402	593.4	925.5	0.01679	mg/L	0.01679 mg/L
2	Tl 190.800	21.5	33.5	0.06095	mg/L	0.06095 mg/L
2	Zn 213.856	3475.9	5420.8	0.10847	mg/L	0.10847 mg/L
2	Na 330.237	702902.2	1096218.0	4059.2	mg/L	4059.2 mg/L
2	Sr 407.771	Saturated				
2	K 404.721	-117.3	-182.9	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: 10809-5MD Seq. No.: 32 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:28:15 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	239069.3	0.646	0.0074	mg/L				1.15%
Ag 328.068	-1149.9	-0.02861	0.000249	mg/L	-0.02861	0.000249	mg/L	0.87%
Al 308.215	34348.5	9.7322	0.07668	mg/L	9.7322	0.07668	mg/L	0.79%
As 193.696	-6.4	0.30474	0.011838	mg/L	0.30474	0.011838	mg/L	3.88%
B 249.773	23348.2	0.92921	0.001557	mg/L	0.92921	0.001557	mg/L	0.17%
Ba 233.527	5378.4	0.16690	0.000832	mg/L	0.16690	0.000832	mg/L	0.50%
Be 313.042	1371.4	0.00081	0.000021	mg/L	0.00081	0.000021	mg/L	2.60%
Ca 315.887	33418275.6	2310.8	15.24	mg/L	2310.8	15.24	mg/L	0.66%
Cd 214.438	230.4	0.00649	0.000263	mg/L	0.00649	0.000263	mg/L	4.05%
Co 238.892	732.9	0.08099	0.002320	mg/L	0.08099	0.002320	mg/L	2.86%
Cr 267.716	2428.3	0.06344	0.000193	mg/L	0.06344	0.000193	mg/L	0.30%
Cu 324.754	6106.3	0.02763	0.000142	mg/L	0.02763	0.000142	mg/L	0.51%
Fe 234.349	841561.5	71.306	0.3402	mg/L	71.306	0.3402	mg/L	0.48%
K 766.491	13416031.5	45.731	0.2624	mg/L	45.731	0.2624	mg/L	0.57%
Mo 202.030	50940.3	9.8379	0.06066	mg/L	9.8379	0.06066	mg/L	0.62%
Mn 257.610	293435.8	1.5638	0.01162	mg/L	1.5638	0.01162	mg/L	0.74%
Mg 279.079	1970160.2	932.81	5.240	mg/L	932.81	5.240	mg/L	0.56%
Ni 231.604	173.3	0.02529	0.000228	mg/L	0.02529	0.000228	mg/L	0.90%
Pb 220.353	-29.5	0.00488	0.001913	mg/L	0.00488	0.001913	mg/L	39.24%
Sn 189.933	11696.7	9.9044	0.04681	mg/L	9.9044	0.04681	mg/L	0.47%
Se 196.026	14.2	0.00260	0.012762	mg/L	0.00260	0.012762	mg/L	491.07%
Sb 206.833	9264.8	11.418	0.0328	mg/L	11.418	0.0328	mg/L	0.29%
V 292.402	941.1	0.01704	0.000353	mg/L	0.01704	0.000353	mg/L	2.07%
Tl 190.800	25.2	0.05292	0.011354	mg/L	0.05292	0.011354	mg/L	21.45%
Zn 213.856	5403.9	0.10810	0.000524	mg/L	0.10810	0.000524	mg/L	0.48%
Na 330.237	1090797.5	4039.1	28.40	mg/L	4039.1	28.40	mg/L	0.70%
Sr 407.771	Saturated							
K 404.721	-217.0	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: 10809-5L Date: 11/18/96 8:30:51 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	295671.7	295671.7	0.800	mg/L		
1	Ag 328.068	-219.9	-275.0	-0.00835	mg/L	-0.04173	mg/L
1	Al 308.215	3619.4	4526.9	1.2422	mg/L	6.2110	mg/L
1	As 193.696	-19.1	-23.9	-0.00907	mg/L	-0.04535	mg/L
1	B 249.773	4146.9	5186.7	0.20069	mg/L	1.0035	mg/L
1	Ba 233.527	901.5	1127.5	0.03521	mg/L	0.17607	mg/L

1	Be 313.042	722.5	903.7	0.00035	mg/L	0.00174 mg/L
1	Ca 315.887	7334887.3	9174071.8	634.36	mg/L	3171.8 mg/L
1	Cd 214.438	138.5	173.3	0.00115	mg/L	0.00573 mg/L
1	Co 238.892	285.9	357.6	0.01726	mg/L	0.08628 mg/L
1	Cr 267.716	1271.1	1589.8	0.01449	mg/L	0.07245 mg/L
1	Cu 324.754	2103.6	2631.1	0.00758	mg/L	0.03790 mg/L
1	Fe 234.349	152754.7	191057.2	16.157	mg/L	80.786 mg/L
1	K 766.491	1466489.3	1834203.8	6.2762	mg/L	31.381 mg/L
1	Mo 202.030	88.3	110.5	0.02206	mg/L	0.11032 mg/L
1	Mn 257.610	51504.1	64418.4	0.34306	mg/L	1.7153 mg/L
1	Mg 279.079	355579.9	444739.7	210.57	mg/L	1052.8 mg/L
1	Ni 231.604	67.4	84.3	0.01244	mg/L	0.06218 mg/L
1	Pb 220.353	28.2	35.2	0.00264	mg/L	0.01319 mg/L
1	Sn 189.933	47.8	59.8	0.18184	mg/L	0.90918 mg/L
1	Se 196.026	12.9	16.2	0.00367	mg/L	0.01836 mg/L
1	Sb 206.833	29.5	36.9	0.12485	mg/L	0.62425 mg/L
1	V 292.402	150.6	188.3	0.00501	mg/L	0.02503 mg/L
1	Tl 190.800	-20.3	-25.4	0.00055	mg/L	0.00277 mg/L
1	Zn 213.856	1421.2	1777.6	0.02845	mg/L	0.14224 mg/L
1	Na 330.237	150820.4	188637.8	697.14	mg/L	3485.7 mg/L
1	Sr 407.771	Saturated				
1	K 404.721	3002.4	3755.2	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	292348.7	292348.7	0.791	mg/L	
2	Ag 328.068	-213.8	-270.4	-0.00824	mg/L	-0.04120 mg/L
2	Al 308.215	3545.8	4485.3	1.2303	mg/L	6.1517 mg/L
2	As 193.696	-16.1	-20.3	0.00057	mg/L	0.00285 mg/L
2	B 249.773	4093.6	5178.2	0.20035	mg/L	1.0018 mg/L
2	Ba 233.527	903.2	1142.6	0.03568	mg/L	0.17840 mg/L
2	Be 313.042	714.8	904.2	0.00035	mg/L	0.00174 mg/L
2	Ca 315.887	7342453.3	9287920.0	642.23	mg/L	3211.2 mg/L
2	Cd 214.438	142.5	180.2	0.00138	mg/L	0.00688 mg/L
2	Co 238.892	249.6	315.8	0.01546	mg/L	0.07730 mg/L
2	Cr 267.716	1276.3	1614.4	0.01489	mg/L	0.07444 mg/L
2	Cu 324.754	2072.1	2621.1	0.00751	mg/L	0.03754 mg/L
2	Fe 234.349	152002.1	192276.8	16.261	mg/L	81.303 mg/L
2	K 766.491	1419023.7	1795010.2	6.1427	mg/L	30.714 mg/L
2	Mo 202.030	56.9	72.0	0.01464	mg/L	0.07319 mg/L
2	Mn 257.610	51065.3	64595.7	0.34401	mg/L	1.7200 mg/L
2	Mg 279.079	353185.3	446765.8	211.53	mg/L	1057.6 mg/L
2	Ni 231.604	66.4	84.0	0.01239	mg/L	0.06193 mg/L
2	Pb 220.353	31.4	39.7	0.00446	mg/L	0.02230 mg/L
2	Sn 189.933	41.6	52.7	0.17751	mg/L	0.88754 mg/L
2	Se 196.026	2.9	3.7	-0.00939	mg/L	-0.04697 mg/L
2	Sb 206.833	27.7	35.1	0.12380	mg/L	0.61902 mg/L
2	V 292.402	152.0	192.2	0.00507	mg/L	0.02534 mg/L
2	Tl 190.800	-9.6	-12.1	0.01332	mg/L	0.06658 mg/L
2	Zn 213.856	1428.9	1807.5	0.02910	mg/L	0.14552 mg/L
2	Na 330.237	147202.5	186205.4	688.13	mg/L	3440.6 mg/L
2	Sr 407.771	Saturated				
2	K 404.721	2879.1	3641.9	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: 10809-5L Seq. No.: 33 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 5.0
Data: Reprocessed Date: 11/18/96 8:30:51 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	294010.2	0.795	0.0064	mg/L				0.80%
Ag 328.068	-272.7	-0.00829	0.000075	mg/L	-0.04147	0.000375	mg/L	0.90%
Al 308.215	4506.1	1.2363	0.00838	mg/L	6.1813	0.04192	mg/L	0.68%
As 193.696	-22.1	-0.00425	0.006817	mg/L	-0.02125	0.034086	mg/L	160.40%
B 249.773	5182.5	0.20052	0.000240	mg/L	1.0026	0.00120	mg/L	0.12%
Ba 233.527	1135.1	0.03545	0.000329	mg/L	0.17723	0.001645	mg/L	0.93%
Be 313.042	903.9	0.00035	0.000000	mg/L	0.00174	0.000002	mg/L	0.10%
Ca 315.887	9230995.9	638.30	5.567	mg/L	3191.5	27.83	mg/L	0.87%
Cd 214.438	176.7	0.00126	0.000162	mg/L	0.00631	0.000812	mg/L	12.88%
Co 238.892	336.7	0.01636	0.001269	mg/L	0.08179	0.006347	mg/L	7.76%
Cr 267.716	1602.1	0.01469	0.000280	mg/L	0.07344	0.001402	mg/L	1.91%
Cu 324.754	2626.1	0.00754	0.000052	mg/L	0.03772	0.000259	mg/L	0.69%
Fe 234.349	191667.0	16.209	0.0731	mg/L	81.044	0.3656	mg/L	0.45%
K 766.491	1814607.0	6.2095	0.09441	mg/L	31.047	0.4721	mg/L	1.52%
Mo 202.030	91.2	0.01835	0.005251	mg/L	0.09176	0.026255	mg/L	28.61%
Mn 257.610	64507.1	0.34354	0.000668	mg/L	1.7177	0.00334	mg/L	0.19%
Mg 279.079	445752.7	211.05	0.678	mg/L	1055.2	3.39	mg/L	0.32%

Ni 231.604	84.2	0.01241	0.000034 mg/L	0.06205	0.000171 mg/L	0.28%
Pb 220.353	37.5	0.00355	0.001288 mg/L	0.01775	0.006442 mg/L	36.30%
Sn 189.933	56.2	0.17967	0.003061 mg/L	0.89836	0.015303 mg/L	1.70%
Se 196.026	9.9	-0.00286	0.009239 mg/L	-0.01430	0.046193 mg/L	322.95%
Sb 206.833	36.0	0.12433	0.000739 mg/L	0.62164	0.003697 mg/L	0.59%
V 292.402	190.3	0.00504	0.000044 mg/L	0.02519	0.000220 mg/L	0.87%
Tl 190.800	-18.7	0.00694	0.009024 mg/L	0.03468	0.045121 mg/L	130.12%
Zn 213.856	1792.5	0.02878	0.000464 mg/L	0.14388	0.002319 mg/L	1.61%
Na 330.237	187421.6	692.63	6.371 mg/L	3463.2	31.86 mg/L	0.92%
Sr 407.771	Saturated					
K 404.721	3698.6	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: 10809-4 Date: 11/18/96 8:33:33 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	242426.5	242426.5	0.656	mg/L		
1	Ag 328.068	-747.4	-1140.1	-0.02839	mg/L	-0.02839	mg/L
1	Al 308.215	29006.5	44247.9	12.550	mg/L	12.550	mg/L
1	As 193.696	1.4	2.2	0.32193	mg/L	0.32193	mg/L
1	B 249.773	15081.9	23006.7	0.91551	mg/L	0.91551	mg/L
1	Ba 233.527	3741.7	5707.8	0.17711	mg/L	0.17711	mg/L
1	Be 313.042	1292.2	1971.2	0.00139	mg/L	0.00139	mg/L
1	Ca 315.887	21572088.8	32907167.1	2275.4	mg/L	2275.4	mg/L
1	Cd 214.438	225.1	343.4	0.00663	mg/L	0.00663	mg/L
1	Co 238.892	1222.4	1864.7	0.08058	mg/L	0.08058	mg/L
1	Cr 267.716	3427.7	5228.8	0.07690	mg/L	0.07690	mg/L
1	Cu 324.754	10387.3	15845.3	0.11188	mg/L	0.11188	mg/L
1	Fe 234.349	572121.9	872743.9	73.950	mg/L	73.950	mg/L
1	K 766.491	8600768.7	13120052.3	44.723	mg/L	44.723	mg/L
1	Mo 202.030	39.8	60.8	0.01248	mg/L	0.01248	mg/L
1	Mn 257.610	204323.6	311685.7	1.6611	mg/L	1.6611	mg/L
1	Mg 279.079	1271148.3	1939074.6	918.09	mg/L	918.09	mg/L
1	Ni 231.604	213.6	325.9	0.04733	mg/L	0.04733	mg/L
1	Pb 220.353	73.5	112.2	0.03163	mg/L	0.03163	mg/L
1	Sn 189.933	69.6	106.1	0.61791	mg/L	0.61791	mg/L
1	Se 196.026	24.7	37.7	0.03028	mg/L	0.03028	mg/L
1	Sb 206.833	18.7	28.6	0.42360	mg/L	0.42360	mg/L
1	V 292.402	1519.3	2317.7	0.03906	mg/L	0.03906	mg/L
1	Tl 190.800	23.5	35.8	0.06480	mg/L	0.06480	mg/L
1	Zn 213.856	5769.8	8801.5	0.18272	mg/L	0.18272	mg/L
1	Na 330.237	724466.5	1105138.3	4092.3	mg/L	4092.3	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-109.9	-167.6	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	237459.7	237459.7	0.642	mg/L		
2	Ag 328.068	-729.6	-1136.2	-0.02830	mg/L	-0.02830	mg/L
2	Al 308.215	27688.8	43121.4	12.230	mg/L	12.230	mg/L
2	As 193.696	2.2	3.4	0.33290	mg/L	0.33290	mg/L
2	B 249.773	14690.4	22878.2	0.91035	mg/L	0.91035	mg/L
2	Ba 233.527	3714.8	5785.3	0.17951	mg/L	0.17951	mg/L
2	Be 313.042	1284.9	2001.1	0.00142	mg/L	0.00142	mg/L
2	Ca 315.887	21597161.6	33634524.3	2325.7	mg/L	2325.7	mg/L
2	Cd 214.438	216.1	336.5	0.00641	mg/L	0.00641	mg/L
2	Co 238.892	1222.4	1903.7	0.08222	mg/L	0.08222	mg/L
2	Cr 267.716	3366.9	5243.5	0.07715	mg/L	0.07715	mg/L
2	Cu 324.754	9942.0	15483.2	0.10903	mg/L	0.10903	mg/L
2	Fe 234.349	571035.4	889306.8	75.354	mg/L	75.354	mg/L
2	K 766.491	8424319.0	13119685.2	44.722	mg/L	44.722	mg/L
2	Mo 202.030	39.4	61.4	0.01260	mg/L	0.01260	mg/L
2	Mn 257.610	202075.5	314703.9	1.6772	mg/L	1.6772	mg/L
2	Mg 279.079	1270825.4	1979130.7	937.06	mg/L	937.06	mg/L
2	Ni 231.604	222.3	346.2	0.05028	mg/L	0.05028	mg/L
2	Pb 220.353	70.3	109.4	0.03057	mg/L	0.03057	mg/L
2	Sn 189.933	65.7	102.3	0.62632	mg/L	0.62632	mg/L
2	Se 196.026	9.7	15.1	0.00675	mg/L	0.00675	mg/L
2	Sb 206.833	16.4	25.5	0.42895	mg/L	0.42895	mg/L
2	V 292.402	1498.8	2334.2	0.03932	mg/L	0.03932	mg/L
2	Tl 190.800	5.1	8.0	0.03802	mg/L	0.03802	mg/L
2	Zn 213.856	5726.7	8918.6	0.18530	mg/L	0.18530	mg/L
2	Na 330.237	708016.7	1102635.9	4083.0	mg/L	4083.0	mg/L
2	Sr 407.771	Saturated					
2	K 404.721	-20.9	-32.5	0.00000	mg/L	0.00000	mg/L

Mean Data

ID: 10809-4 Seq. No.: 34 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:33:33 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	239943.1	0.649	0.0095	mg/L				1.46%
Ag 328.068	-1138.2	-0.02834	0.000063	mg/L	-0.02834	0.000063	mg/L	0.22%
Al 308.215	43684.7	12.390	0.2268	mg/L	12.390	0.2268	mg/L	1.83%
As 193.696	2.8	0.32742	0.007758	mg/L	0.32742	0.007758	mg/L	2.37%
B 249.773	22942.5	0.91293	0.003644	mg/L	0.91293	0.003644	mg/L	0.40%
Ba 233.527	5746.6	0.17831	0.001697	mg/L	0.17831	0.001697	mg/L	0.95%
Be 313.042	1986.1	0.00141	0.000021	mg/L	0.00141	0.000021	mg/L	1.50%
Ca 315.887	33270845.7	2300.6	35.56	mg/L	2300.6	35.56	mg/L	1.55%
Cd 214.438	339.9	0.00652	0.000158	mg/L	0.00652	0.000158	mg/L	2.42%
Co 238.892	1884.2	0.08140	0.001160	mg/L	0.08140	0.001160	mg/L	1.43%
Cr 267.716	5236.2	0.07702	0.000179	mg/L	0.07702	0.000179	mg/L	0.23%
Cu 324.754	15664.2	0.11046	0.002020	mg/L	0.11046	0.002020	mg/L	1.83%
Fe 234.349	881025.4	74.652	0.9929	mg/L	74.652	0.9929	mg/L	1.33%
K 766.491	13119868.8	44.722	0.0009	mg/L	44.722	0.0009	mg/L	0.00%
Mo 202.030	61.1	0.01254	0.000087	mg/L	0.01254	0.000087	mg/L	0.69%
Mn 257.610	313194.8	1.6692	0.01138	mg/L	1.6692	0.01138	mg/L	0.68%
Mg 279.079	1959102.7	927.58	13.410	mg/L	927.58	13.410	mg/L	1.45%
Ni 231.604	336.1	0.04880	0.002083	mg/L	0.04880	0.002083	mg/L	4.27%
Pb 220.353	110.8	0.03110	0.000749	mg/L	0.03110	0.000749	mg/L	2.41%
Sn 189.933	104.2	0.62212	0.005945	mg/L	0.62212	0.005945	mg/L	0.96%
Se 196.026	26.4	0.01851	0.016636	mg/L	0.01851	0.016636	mg/L	89.86%
Sb 206.833	27.0	0.42628	0.003786	mg/L	0.42628	0.003786	mg/L	0.89%
V 292.402	2325.9	0.03919	0.000187	mg/L	0.03919	0.000187	mg/L	0.48%
Tl 190.800	21.9	0.05141	0.018937	mg/L	0.05141	0.018937	mg/L	36.84%
Zn 213.856	8860.0	0.18401	0.001819	mg/L	0.18401	0.001819	mg/L	0.99%
Na 330.237	1103887.1	4087.6	6.55	mg/L	4087.6	6.55	mg/L	0.16%
Sr 407.771	Saturated							
K 404.721	-100.1	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: 10809-3 Date: 11/18/96 8:36:18 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	206610.8	206610.8	0.559	mg/L		
1	Ag 328.068	-371.7	-665.3	-0.01739	mg/L	-0.01739	mg/L
1	Al 308.215	15544.7	27823.3	7.8744	mg/L	7.8744	mg/L
1	As 193.696	-8.9	-15.9	0.17007	mg/L	0.17007	mg/L
1	B 249.773	11915.4	21327.2	0.84814	mg/L	0.84814	mg/L
1	Ba 233.527	10817.7	19362.4	0.60013	mg/L	0.60013	mg/L
1	Be 313.042	914.4	1636.7	0.00107	mg/L	0.00107	mg/L
1	Ca 315.887	12069937.2	21603814.3	1493.8	mg/L	1493.8	mg/L
1	Cd 214.438	140.1	250.8	0.00362	mg/L	0.00362	mg/L
1	Co 238.892	269.4	482.2	0.02243	mg/L	0.02243	mg/L
1	Cr 267.716	2529.9	4528.3	0.06486	mg/L	0.06486	mg/L
1	Cu 324.754	3178.7	5689.6	0.03173	mg/L	0.03173	mg/L
1	Fe 234.349	130484.0	233551.6	19.760	mg/L	19.760	mg/L
1	K 766.491	Saturated					
1	Mo 202.030	21.2	37.9	0.00805	mg/L	0.00805	mg/L
1	Mn 257.610	101331.1	181371.1	0.96647	mg/L	0.96647	mg/L
1	Mg 279.079	731257.0	1308866.8	619.71	mg/L	619.71	mg/L
1	Ni 231.604	141.8	253.7	0.03691	mg/L	0.03691	mg/L
1	Pb 220.353	21.3	38.1	0.00230	mg/L	0.00230	mg/L
1	Sn 189.933	45.9	82.1	0.41254	mg/L	0.41254	mg/L
1	Se 196.026	1.9	3.5	0.00149	mg/L	0.00149	mg/L
1	Sb 206.833	22.8	40.8	0.29413	mg/L	0.29413	mg/L
1	V 292.402	568.8	1018.0	0.01827	mg/L	0.01827	mg/L
1	Tl 190.800	3.9	7.0	0.03434	mg/L	0.03434	mg/L
1	Zn 213.856	4161.3	7448.2	0.15300	mg/L	0.15300	mg/L
1	Na 330.237	3278220.9	5867642.4	21735	mg/L	21735	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-2842.7	-5088.0	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	207041.9	207041.9	0.560	mg/L		
2	Ag 328.068	-354.4	-633.0	-0.01664	mg/L	-0.01664	mg/L
2	Al 308.215	15828.4	28272.1	8.0022	mg/L	8.0022	mg/L
2	As 193.696	-3.0	-5.4	0.19673	mg/L	0.19673	mg/L
2	B 249.773	11987.7	21412.0	0.85154	mg/L	0.85154	mg/L

2	Ba 233.527	10772.5	19241.4	0.59638 mg/L	0.59638 mg/L
2	Be 313.042	902.4	1611.9	0.00105 mg/L	0.00105 mg/L
2	Ca 315.887	12216487.5	21820594.4	1508.8 mg/L	1508.8 mg/L
2	Cd 214.438	137.1	244.9	0.00342 mg/L	0.00342 mg/L
2	Co 238.892	272.1	486.1	0.02259 mg/L	0.02259 mg/L
2	Cr 267.716	2534.8	4527.5	0.06485 mg/L	0.06485 mg/L
2	Cu 324.754	3208.1	5730.2	0.03205 mg/L	0.03205 mg/L
2	Fe 234.349	129247.2	230856.1	19.531 mg/L	19.531 mg/L
2	K 766.491	Saturated			
2	Mo 202.030	21.4	38.2	0.00812 mg/L	0.00812 mg/L
2	Mn 257.610	100607.2	179700.5	0.95757 mg/L	0.95757 mg/L
2	Mg 279.079	732554.8	1308459.6	619.51 mg/L	619.51 mg/L
2	Ni 231.604	139.7	249.5	0.03630 mg/L	0.03630 mg/L
2	Pb 220.353	38.3	68.4	0.01470 mg/L	0.01470 mg/L
2	Sn 189.933	40.4	72.2	0.40668 mg/L	0.40668 mg/L
2	Se 196.026	-0.2	-0.3	-0.00240 mg/L	-0.00240 mg/L
2	Sb 206.833	22.3	39.8	0.29495 mg/L	0.29495 mg/L
2	V 292.402	565.5	1010.1	0.01815 mg/L	0.01815 mg/L
2	Tl 190.800	5.2	9.3	0.03651 mg/L	0.03651 mg/L
2	Zn 213.856	4160.6	7431.5	0.15263 mg/L	0.15263 mg/L
2	Na 330.237	3308029.7	5908668.5	21887 mg/L	21887 mg/L
2	Sr 407.771	Saturated			
2	K 404.721	-2915.2	-5207.0	0.00000 mg/L	0.00000 mg/L

Mean Data ----------

ID: 10809-3 Seq. No.: 35 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:36:18 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	206826.4	0.559	0.0008	mg/L				0.15%
Ag 328.068	-649.2	-0.01701	0.000529	mg/L	-0.01701	0.000529	mg/L	3.11%
Al 308.215	28047.7	7.9383	0.09034	mg/L	7.9383	0.09034	mg/L	1.14%
As 193.696	-10.6	0.18340	0.018856	mg/L	0.18340	0.018856	mg/L	10.28%
B 249.773	21369.6	0.84984	0.002405	mg/L	0.84984	0.002405	mg/L	0.28%
Ba 233.527	19301.9	0.59825	0.002652	mg/L	0.59825	0.002652	mg/L	0.44%
Be 313.042	1624.3	0.00106	0.000017	mg/L	0.00106	0.000017	mg/L	1.65%
Ca 315.887	21712204.3	1501.3	10.60	mg/L	1501.3	10.60	mg/L	0.71%
Cd 214.438	247.9	0.00352	0.000142	mg/L	0.00352	0.000142	mg/L	4.03%
Co 238.892	484.1	0.02251	0.000116	mg/L	0.02251	0.000116	mg/L	0.52%
Cr 267.716	4527.9	0.06485	0.000008	mg/L	0.06485	0.000008	mg/L	0.01%
Cu 324.754	5709.9	0.03189	0.000227	mg/L	0.03189	0.000227	mg/L	0.71%
Fe 234.349	232203.8	19.646	0.1616	mg/L	19.646	0.1616	mg/L	0.82%
K 766.491	Saturated							
Mo 202.030	38.1	0.00809	0.000051	mg/L	0.00809	0.000051	mg/L	0.63%
Mn 257.610	180535.8	0.96202	0.006297	mg/L	0.96202	0.006297	mg/L	0.65%
Mg 279.079	1308663.2	619.61	0.136	mg/L	619.61	0.136	mg/L	0.02%
Ni 231.604	251.6	0.03661	0.000430	mg/L	0.03661	0.000430	mg/L	1.17%
Pb 220.353	53.2	0.00850	0.008764	mg/L	0.00850	0.008764	mg/L	103.12%
Sn 189.933	77.2	0.40961	0.004137	mg/L	0.40961	0.004137	mg/L	1.01%
Se 196.026	1.6	-0.00045	0.002750	mg/L	-0.00045	0.002750	mg/L	610.23%
Sb 206.833	40.3	0.29454	0.000580	mg/L	0.29454	0.000580	mg/L	0.20%
V 292.402	1014.1	0.01821	0.000089	mg/L	0.01821	0.000089	mg/L	0.49%
Tl 190.800	8.2	0.03542	0.001539	mg/L	0.03542	0.001539	mg/L	4.34%
Zn 213.856	7439.9	0.15282	0.000260	mg/L	0.15282	0.000260	mg/L	0.17%
Na 330.237	5888155.4	21811	107.5	mg/L	21811	107.5	mg/L	0.49%
Sr 407.771	Saturated							
K 404.721	-5147.5	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 10809-1 Date: 11/18/96 8:39:05 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	270663.0	270663.0	0.732	mg/L		
1	Ag 328.068	-326.2	-445.7	-0.01230	mg/L	-0.01230	mg/L
1	Al 308.215	6776.2	9258.4	2.5892	mg/L	2.5892	mg/L
1	As 193.696	16.6	22.7	-0.01570	mg/L	-0.01570	mg/L
1	B 249.773	4199.5	5737.8	0.22280	mg/L	0.22280	mg/L
1	Ba 233.527	6375.8	8711.4	0.27016	mg/L	0.27016	mg/L
1	Be 313.042	1114.1	1522.2	0.00085	mg/L	0.00085	mg/L
1	Ca 315.887	12199018.8	16667655.3	1152.5	mg/L	1152.5	mg/L
1	Cd 214.438	129.8	177.4	0.00129	mg/L	0.00129	mg/L
1	Co 238.892	159.6	218.1	0.01147	mg/L	0.01147	mg/L

1 Cr 267.716	3295.1	4502.2	0.06452 mg/L	0.06452 mg/L	
1 Cu 324.754	3642.3	4976.6	0.02619 mg/L	0.02619 mg/L	
1 Fe 234.349	67157.9	91758.5	7.7387 mg/L	7.7387 mg/L	
1 K 766.491	11167777.5	15258658.9	52.008 mg/L	52.008 mg/L	
1 Mo 202.030	144.6	197.6	0.03900 mg/L	0.03900 mg/L	
1 Mn 257.610	43630.6	59613.0	0.31745 mg/L	0.31745 mg/L	
1 Mg 279.079	23475.6	32075.0	15.188 mg/L	15.188 mg/L	
1 Ni 231.604	304.8	416.5	0.06043 mg/L	0.06043 mg/L	
1 Pb 220.353	30.3	41.4	0.00496 mg/L	0.00496 mg/L	
1 Sn 189.933	35.0	47.8	0.20510 mg/L	0.20510 mg/L	
1 Se 196.026	16.5	22.5	0.00623 mg/L	0.00623 mg/L	
1 Sb 206.833	23.6	32.3	0.16249 mg/L	0.16249 mg/L	
1 V 292.402	11355.6	15515.3	0.25010 mg/L	0.25010 mg/L	
1 Tl 190.800	-22.2	-30.3	-0.00411 mg/L	-0.00411 mg/L	
1 Zn 213.856	4400.6	6012.6	0.12147 mg/L	0.12147 mg/L	
1 Na 330.237	774531.9	1058251.6	3918.6 mg/L	3918.6 mg/L	
1 Sr 407.771	Saturated				
1 K 404.721	457.5	625.1	0.00000 mg/L	0.00000 mg/L	
2 Y 324.228	265373.6	265373.6	0.718 mg/L		
2 Ag 328.068	-320.6	-446.8	-0.01233 mg/L	-0.01233 mg/L	
2 Al 308.215	6502.7	9061.8	2.5332 mg/L	2.5332 mg/L	
2 As 193.696	19.0	26.5	-0.00696 mg/L	-0.00696 mg/L	
2 B 249.773	4146.2	5777.9	0.22441 mg/L	0.22441 mg/L	
2 Ba 233.527	6364.9	8869.7	0.27506 mg/L	0.27506 mg/L	
2 Be 313.042	1098.7	1531.1	0.00086 mg/L	0.00086 mg/L	
2 Ca 315.887	12274711.6	17105356.4	1182.8 mg/L	1182.8 mg/L	
2 Cd 214.438	132.5	184.6	0.00153 mg/L	0.00153 mg/L	
2 Co 238.892	145.1	202.2	0.01080 mg/L	0.01080 mg/L	
2 Cr 267.716	3299.5	4598.0	0.06616 mg/L	0.06616 mg/L	
2 Cu 324.754	3585.4	4996.5	0.02634 mg/L	0.02634 mg/L	
2 Fe 234.349	66736.2	92999.8	7.8439 mg/L	7.8439 mg/L	
2 K 766.491	10463429.7	14581254.6	49.701 mg/L	49.701 mg/L	
2 Mo 202.030	139.4	194.2	0.03833 mg/L	0.03833 mg/L	
2 Mn 257.610	43229.7	60242.5	0.32080 mg/L	0.32080 mg/L	
2 Mg 279.079	23098.5	32188.7	15.241 mg/L	15.241 mg/L	
2 Ni 231.604	304.7	424.6	0.06160 mg/L	0.06160 mg/L	
2 Pb 220.353	27.6	38.5	0.00374 mg/L	0.00374 mg/L	
2 Sn 189.933	36.5	50.8	0.21197 mg/L	0.21197 mg/L	
2 Se 196.026	14.5	20.2	0.00378 mg/L	0.00378 mg/L	
2 Sb 206.833	23.1	32.2	0.16638 mg/L	0.16638 mg/L	
2 V 292.402	11239.5	15662.8	0.25246 mg/L	0.25246 mg/L	
2 Tl 190.800	-18.4	-25.6	0.00042 mg/L	0.00042 mg/L	
2 Zn 213.856	4390.2	6118.0	0.12378 mg/L	0.12378 mg/L	
2 Na 330.237	744654.0	1037708.5	3842.5 mg/L	3842.5 mg/L	
2 Sr 407.771	Saturated				
2 K 404.721	318.7	444.1	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: 10809-1 Seq. No.: 36 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:39:05 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	268018.3	0.725	0.0101	mg/L				1.40%
Ag 328.068	-446.2	-0.01231	0.000019	mg/L	-0.01231	0.000019	mg/L	0.15%
Al 308.215	9160.1	2.5612	0.03958	mg/L	2.5612	0.03958	mg/L	1.55%
As 193.696	24.6	-0.01133	0.006174	mg/L	-0.01133	0.006174	mg/L	54.49%
B 249.773	5757.9	0.22360	0.001138	mg/L	0.22360	0.001138	mg/L	0.51%
Ba 233.527	8790.5	0.27261	0.003469	mg/L	0.27261	0.003469	mg/L	1.27%
Be 313.042	1526.7	0.00085	0.000005	mg/L	0.00085	0.000005	mg/L	0.64%
Ca 315.887	16886505.8	1167.7	21.40	mg/L	1167.7	21.40	mg/L	1.83%
Cd 214.438	181.0	0.00141	0.000172	mg/L	0.00141	0.000172	mg/L	12.24%
Co 238.892	210.2	0.01114	0.000474	mg/L	0.01114	0.000474	mg/L	4.26%
Cr 267.716	4550.1	0.06534	0.001161	mg/L	0.06534	0.001161	mg/L	1.78%
Cu 324.754	4986.5	0.02627	0.000112	mg/L	0.02627	0.000112	mg/L	0.43%
Fe 234.349	92379.2	7.7913	0.07441	mg/L	7.7913	0.07441	mg/L	0.96%
K 766.491	14919956.7	50.854	1.6318	mg/L	50.854	1.6318	mg/L	3.21%
Mo 202.030	195.9	0.03867	0.000468	mg/L	0.03867	0.000468	mg/L	1.21%
Mn 257.610	59927.8	0.31913	0.002373	mg/L	0.31913	0.002373	mg/L	0.74%
Mg 279.079	32131.9	15.215	0.0381	mg/L	15.215	0.0381	mg/L	0.25%
Ni 231.604	420.6	0.06101	0.000829	mg/L	0.06101	0.000829	mg/L	1.36%
Pb 220.353	39.9	0.00435	0.000860	mg/L	0.00435	0.000860	mg/L	19.76%
Sn 189.933	49.3	0.20853	0.004857	mg/L	0.20853	0.004857	mg/L	2.33%
Se 196.026	21.4	0.00500	0.001731	mg/L	0.00500	0.001731	mg/L	34.60%

Sb 206.833	32.2	0.16444	0.002753 mg/L	0.16444	0.002753 mg/L	1.67%
V 292.402	15589.0	0.25128	0.001668 mg/L	0.25128	0.001668 mg/L	0.66%
Tl 190.800	-27.9	-0.00184	0.003202 mg/L	-0.00184	0.003202 mg/L	173.62%
Zn 213.856	6065.3	0.12263	0.001638 mg/L	0.12263	0.001638 mg/L	1.34%
Na 330.237	1047980.1	3880.5	53.81 mg/L	3880.5	53.81 mg/L	1.39%
Sr 407.771	Saturated					
K 404.721	534.6	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: RW Date: 11/18/96 8:41:56 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	356230.5	356230.5	0.963	mg/L		
1	Ag 328.068	90.7	94.2	0.00021	mg/L	0.00021	mg/L
1	Al 308.215	177.8	184.6	0.00595	mg/L	0.00595	mg/L
1	As 193.696	8.8	9.1	0.00577	mg/L	0.00577	mg/L
1	B 249.773	295.3	306.5	0.00493	mg/L	0.00493	mg/L
1	Ba 233.527	-5.9	-6.1	0.00009	mg/L	0.00009	mg/L
1	Be 313.042	489.7	508.4	-0.00004	mg/L	-0.00004	mg/L
1	Ca 315.887	16711.5	17348.5	1.2010	mg/L	1.2010	mg/L
1	Cd 214.438	138.1	143.4	0.00016	mg/L	0.00016	mg/L
1	Co 238.892	-54.1	-56.2	-0.00024	mg/L	-0.00024	mg/L
1	Cr 267.716	777.9	807.5	0.00100	mg/L	0.00100	mg/L
1	Cu 324.754	1550.8	1609.9	-0.00046	mg/L	-0.00046	mg/L
1	Fe 234.349	634.2	658.4	0.01533	mg/L	0.01533	mg/L
1	K 766.491	10608.2	11012.6	0.06533	mg/L	0.06533	mg/L
1	Mo 202.030	3.8	3.9	0.00149	mg/L	0.00149	mg/L
1	Mn 257.610	130.4	135.4	0.00041	mg/L	0.00041	mg/L
1	Mg 279.079	309.2	321.0	0.15006	mg/L	0.15006	mg/L
1	Ni 231.604	-1.0	-1.0	0.00010	mg/L	0.00010	mg/L
1	Pb 220.353	35.7	37.1	0.00363	mg/L	0.00363	mg/L
1	Sn 189.933	9.9	10.3	0.00319	mg/L	0.00319	mg/L
1	Se 196.026	9.3	9.6	-0.00490	mg/L	-0.00490	mg/L
1	Sb 206.833	23.5	24.4	-0.00044	mg/L	-0.00044	mg/L
1	V 292.402	-115.9	-120.4	0.00007	mg/L	0.00007	mg/L
1	Tl 190.800	-25.3	-26.3	-0.00169	mg/L	-0.00169	mg/L
1	Zn 213.856	495.9	514.8	0.00071	mg/L	0.00071	mg/L
1	Na 330.237	1855.2	1925.9	5.4745	mg/L	5.4745	mg/L
1	Sr 407.771	336055.1	348865.4				
1	K 404.721	3566.2	3702.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	358005.8	358005.8	0.968	mg/L		
2	Ag 328.068	84.4	87.2	0.00004	mg/L	0.00004	mg/L
2	Al 308.215	172.8	178.5	0.00422	mg/L	0.00422	mg/L
2	As 193.696	6.1	6.3	-0.00155	mg/L	-0.00155	mg/L
2	B 249.773	289.7	299.3	0.00464	mg/L	0.00464	mg/L
2	Ba 233.527	-4.8	-4.9	0.00013	mg/L	0.00013	mg/L
2	Be 313.042	481.5	497.4	-0.00006	mg/L	-0.00006	mg/L
2	Ca 315.887	13328.9	13768.3	0.95342	mg/L	0.95342	mg/L
2	Cd 214.438	133.4	137.8	-0.00003	mg/L	-0.00003	mg/L
2	Co 238.892	-58.5	-60.5	-0.00042	mg/L	-0.00042	mg/L
2	Cr 267.716	771.1	796.5	0.00081	mg/L	0.00081	mg/L
2	Cu 324.754	1536.8	1587.5	-0.00064	mg/L	-0.00064	mg/L
2	Fe 234.349	612.8	633.0	0.01318	mg/L	0.01318	mg/L
2	K 766.491	8133.5	8401.7	0.05643	mg/L	0.05643	mg/L
2	Mo 202.030	4.5	4.7	0.00163	mg/L	0.00163	mg/L
2	Mn 257.610	112.8	116.6	0.00031	mg/L	0.00031	mg/L
2	Mg 279.079	271.7	280.6	0.13096	mg/L	0.13096	mg/L
2	Ni 231.604	5.1	5.3	0.00101	mg/L	0.00101	mg/L
2	Pb 220.353	32.9	33.9	0.00234	mg/L	0.00234	mg/L
2	Sn 189.933	7.0	7.2	0.00072	mg/L	0.00072	mg/L
2	Se 196.026	23.8	24.6	0.01081	mg/L	0.01081	mg/L
2	Sb 206.833	25.3	26.2	0.00164	mg/L	0.00164	mg/L
2	V 292.402	-135.2	-139.7	-0.00024	mg/L	-0.00024	mg/L
2	Tl 190.800	-19.4	-20.1	0.00430	mg/L	0.00430	mg/L
2	Zn 213.856	481.2	497.1	0.00032	mg/L	0.00032	mg/L
2	Na 330.237	1642.2	1696.4	4.6242	mg/L	4.6242	mg/L
2	Sr 407.771	282427.9	291740.0				
2	K 404.721	3689.5	3811.2	0.00000	mg/L	0.00000	mg/L

Mean Data ----------

ID: RW Seq. No.: 37 Sample No.: 0 A/S Pos: 0

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 8:41:56 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	357118.1	0.966	0.0034	mg/L				0.35%
Ag 328.068	90.7	0.00013	0.000114	mg/L	0.00013	0.000114	mg/L	90.87%
Al 308.215	181.6	0.00509	0.001228	mg/L	0.00509	0.001228	mg/L	24.14%
As 193.696	7.7	0.00211	0.005174	mg/L	0.00211	0.005174	mg/L	245.58%
B 249.773	302.9	0.00479	0.000207	mg/L	0.00479	0.000207	mg/L	4.32%
Ba 233.527	-5.5	0.00011	0.000025	mg/L	0.00011	0.000025	mg/L	22.20%
Be 313.042	502.9	-0.00005	0.000008	mg/L	-0.00005	0.000008	mg/L	15.41%
Ca 315.887	15558.4	1.0772	0.17505	mg/L	1.0772	0.17505	mg/L	16.25%
Cd 214.438	140.6	0.00006	0.000133	mg/L	0.00006	0.000133	mg/L	206.70%
Co 238.892	-58.3	-0.00033	0.000127	mg/L	-0.00033	0.000127	mg/L	38.05%
Cr 267.716	802.0	0.00090	0.000133	mg/L	0.00090	0.000133	mg/L	14.72%
Cu 324.754	1598.7	-0.00055	0.000125	mg/L	-0.00055	0.000125	mg/L	22.58%
Fe 234.349	645.7	0.01426	0.001521	mg/L	0.01426	0.001521	mg/L	10.67%
K 766.491	9707.1	0.06088	0.006289	mg/L	0.06088	0.006289	mg/L	10.33%
Mo 202.030	4.3	0.00156	0.000103	mg/L	0.00156	0.000103	mg/L	6.60%
Mn 257.610	126.0	0.00036	0.000071	mg/L	0.00036	0.000071	mg/L	19.92%
Mg 279.079	300.8	0.14051	0.013508	mg/L	0.14051	0.013508	mg/L	9.61%
Ni 231.604	2.1	0.00055	0.000641	mg/L	0.00055	0.000641	mg/L	115.66%
Pb 220.353	35.5	0.00299	0.000911	mg/L	0.00299	0.000911	mg/L	30.48%
Sn 189.933	8.7	0.00196	0.001752	mg/L	0.00196	0.001752	mg/L	89.57%
Se 196.026	17.1	0.00295	0.011107	mg/L	0.00295	0.011107	mg/L	376.20%
Sb 206.833	25.3	0.00060	0.001465	mg/L	0.00060	0.001465	mg/L	244.19%
V 292.402	-130.0	-0.00008	0.000218	mg/L	-0.00008	0.000218	mg/L	259.15%
Tl 190.800	-23.2	0.00131	0.004236	mg/L	0.00131	0.004236	mg/L	323.58%
Zn 213.856	505.9	0.00052	0.000275	mg/L	0.00052	0.000275	mg/L	53.31%
Na 330.237	1811.1	5.0494	0.60125	mg/L	5.0494	0.60125	mg/L	11.91%
Sr 407.771	320302.7							12.61%
K 404.721	3756.6	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: RWLCS Date: 11/18/96 8:44:48 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	344497.8	344497.8	0.932	mg/L		
1	Ag 328.068	7454.0	8001.7	0.18339	mg/L	0.18339	mg/L
1	Al 308.215	62338.9	66919.3	19.005	mg/L	19.005	mg/L
1	As 193.696	75.4	81.0	0.17866	mg/L	0.17866	mg/L
1	B 249.773	9730.9	10445.8	0.41165	mg/L	0.41165	mg/L
1	Ba 233.527	12275.4	13177.4	0.40851	mg/L	0.40851	mg/L
1	Be 313.042	199183.3	213818.3	0.21270	mg/L	0.21270	mg/L
1	Ca 315.887	295482.3	317192.9	21.935	mg/L	21.935	mg/L
1	Cd 214.438	6087.4	6534.7	0.21390	mg/L	0.21390	mg/L
1	Co 238.892	9125.7	9796.2	0.41599	mg/L	0.41599	mg/L
1	Cr 267.716	22737.6	24408.2	0.40736	mg/L	0.40736	mg/L
1	Cu 324.754	44914.5	48214.6	0.36720	mg/L	0.36720	mg/L
1	Fe 234.349	234610.2	251848.3	21.311	mg/L	21.311	mg/L
1	K 766.491	5895094.8	6328238.2	21.586	mg/L	21.586	mg/L
1	Mo 202.030	1940.0	2082.5	0.40305	mg/L	0.40305	mg/L
1	Mn 257.610	69826.2	74956.6	0.39924	mg/L	0.39924	mg/L
1	Mg 279.079	39826.4	42752.6	20.244	mg/L	20.244	mg/L
1	Ni 231.604	2561.0	2749.2	0.39747	mg/L	0.39747	mg/L
1	Pb 220.353	953.9	1024.0	0.40607	mg/L	0.40607	mg/L
1	Sn 189.933	480.5	515.8	0.42345	mg/L	0.42345	mg/L
1	Se 196.026	394.3	423.3	0.42040	mg/L	0.42040	mg/L
1	Sb 206.833	341.4	366.5	0.41637	mg/L	0.41637	mg/L
1	V 292.402	23309.5	25022.1	0.40212	mg/L	0.40212	mg/L
1	Tl 190.800	174.5	187.3	0.20483	mg/L	0.20483	mg/L
1	Zn 213.856	18614.0	19981.6	0.42829	mg/L	0.42829	mg/L
1	Na 330.237	6023.0	6465.6	22.291	mg/L	22.291	mg/L
1	Sr 407.771	111269.2	119444.8				
1	K 404.721	1606.9	1725.0	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	345201.7	345201.7	0.933	mg/L		
2	Ag 328.068	7925.0	8490.0	0.19470	mg/L	0.19470	mg/L
2	Al 308.215	62878.6	67361.0	19.131	mg/L	19.131	mg/L
2	As 193.696	77.3	82.8	0.18338	mg/L	0.18338	mg/L
2	B 249.773	9808.0	10507.2	0.41411	mg/L	0.41411	mg/L
2	Ba 233.527	12335.6	13214.9	0.40968	mg/L	0.40968	mg/L
2	Be 313.042	199660.2	213893.3	0.21278	mg/L	0.21278	mg/L
2	Ca 315.887	295735.8	316817.7	21.909	mg/L	21.909	mg/L
2	Cd 214.438	6077.4	6510.6	0.21310	mg/L	0.21310	mg/L

2	Co 238.892	9126.7	9777.3	0.41520 mg/L	0.41520 mg/L
2	Cr 267.716	22778.6	24402.4	0.40726 mg/L	0.40726 mg/L
2	Cu 324.754	45113.5	48329.5	0.36810 mg/L	0.36810 mg/L
2	Fe 234.349	235425.5	252208.1	21.341 mg/L	21.341 mg/L
2	K 766.491	5967341.1	6392730.9	21.805 mg/L	21.805 mg/L
2	Mo 202.030	1946.0	2084.7	0.40348 mg/L	0.40348 mg/L
2	Mn 257.610	70002.3	74992.5	0.39943 mg/L	0.39943 mg/L
2	Mg 279.079	39965.6	42814.6	20.273 mg/L	20.273 mg/L
2	Ni 231.604	2566.1	2749.0	0.39744 mg/L	0.39744 mg/L
2	Pb 220.353	956.5	1024.6	0.40630 mg/L	0.40630 mg/L
2	Sn 189.933	486.1	520.8	0.42748 mg/L	0.42748 mg/L
2	Se 196.026	385.3	412.8	0.40937 mg/L	0.40937 mg/L
2	Sb 206.833	342.1	366.5	0.41641 mg/L	0.41641 mg/L
2	V 292.402	23368.3	25034.1	0.40231 mg/L	0.40231 mg/L
2	Tl 190.800	168.2	180.1	0.19790 mg/L	0.19790 mg/L
2	Zn 213.856	18606.8	19933.2	0.42723 mg/L	0.42723 mg/L
2	Na 330.237	6009.6	6438.0	22.189 mg/L	22.189 mg/L
2	Sr 407.771	106685.0	114290.1		
2	K 404.721	1569.1	1680.9	0.00000 mg/L	0.00000 mg/L

Mean Data

ID: RWLCS Seq. No.: 38 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:44:48 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	344849.7	0.933	0.0013	mg/L				0.14%
Ag 328.068	8245.8	0.18905	0.007998	mg/L	0.18905	0.007998	mg/L	4.23%
Al 308.215	67140.1	19.068	0.0889	mg/L	19.068	0.0889	mg/L	0.47%
As 193.696	81.9	0.18102	0.003342	mg/L	0.18102	0.003342	mg/L	1.85%
B 249.773	10476.5	0.41288	0.001741	mg/L	0.41288	0.001741	mg/L	0.42%
Ba 233.527	13196.1	0.40910	0.000823	mg/L	0.40910	0.000823	mg/L	0.20%
Be 313.042	213855.8	0.21274	0.000053	mg/L	0.21274	0.000053	mg/L	0.02%
Ca 315.887	317005.3	21.922	0.0183	mg/L	21.922	0.0183	mg/L	0.08%
Cd 214.438	6522.6	0.21350	0.000571	mg/L	0.21350	0.000571	mg/L	0.27%
Co 238.892	9786.8	0.41560	0.000560	mg/L	0.41560	0.000560	mg/L	0.13%
Cr 267.716	24405.3	0.40731	0.000070	mg/L	0.40731	0.000070	mg/L	0.02%
Cu 324.754	48272.0	0.36765	0.000641	mg/L	0.36765	0.000641	mg/L	0.17%
Fe 234.349	252028.2	21.326	0.0216	mg/L	21.326	0.0216	mg/L	0.10%
K 766.491	6360484.5	21.696	0.1554	mg/L	21.696	0.1554	mg/L	0.72%
Mo 202.030	2083.6	0.40327	0.000301	mg/L	0.40327	0.000301	mg/L	0.07%
Mn 257.610	74974.6	0.39933	0.000135	mg/L	0.39933	0.000135	mg/L	0.03%
Mg 279.079	42783.6	20.259	0.0208	mg/L	20.259	0.0208	mg/L	0.10%
Ni 231.604	2749.1	0.39745	0.000018	mg/L	0.39745	0.000018	mg/L	0.00%
Pb 220.353	1024.3	0.40619	0.000158	mg/L	0.40619	0.000158	mg/L	0.04%
Sn 189.933	518.3	0.42547	0.002847	mg/L	0.42547	0.002847	mg/L	0.67%
Se 196.026	418.1	0.41489	0.007801	mg/L	0.41489	0.007801	mg/L	1.88%
Sb 206.833	366.5	0.41639	0.000031	mg/L	0.41639	0.000031	mg/L	0.01%
V 292.402	25028.1	0.40222	0.000136	mg/L	0.40222	0.000136	mg/L	0.03%
Tl 190.800	183.7	0.20137	0.004902	mg/L	0.20137	0.004902	mg/L	2.43%
Zn 213.856	19957.4	0.42776	0.000752	mg/L	0.42776	0.000752	mg/L	0.18%
Na 330.237	6451.8	22.240	0.0723	mg/L	22.240	0.0723	mg/L	0.33%
Sr 407.771	116867.4							3.12%
K 404.721	1702.9	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: RWMS Date: 11/18/96 8:47:44 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	343889.8	343889.8	0.930	mg/L		
1	Ag 328.068	8095.4	8705.6	0.19970	mg/L	0.19970	mg/L
1	Al 308.215	62730.1	67458.3	19.159	mg/L	19.159	mg/L
1	As 193.696	74.5	80.1	0.17609	mg/L	0.17609	mg/L
1	B 249.773	9713.8	10446.0	0.41166	mg/L	0.41166	mg/L
1	Ba 233.527	12275.4	13200.7	0.40924	mg/L	0.40924	mg/L
1	Be 313.042	199026.6	214027.9	0.21291	mg/L	0.21291	mg/L
1	Ca 315.887	293094.8	315186.3	21.797	mg/L	21.797	mg/L
1	Cd 214.438	6087.4	6546.2	0.21429	mg/L	0.21429	mg/L
1	Co 238.892	9051.0	9733.2	0.41336	mg/L	0.41336	mg/L
1	Cr 267.716	22707.5	24419.1	0.40755	mg/L	0.40755	mg/L
1	Cu 324.754	44773.0	48147.6	0.36667	mg/L	0.36667	mg/L
1	Fe 234.349	234400.2	252067.7	21.330	mg/L	21.330	mg/L
1	K 766.491	5859993.3	6301679.7	21.495	mg/L	21.495	mg/L

1	Mo 202.030	1946.4	2093.1	0.40510 mg/L	0.40510 mg/L
1	Mn 257.610	69632.6	74881.0	0.39883 mg/L	0.39883 mg/L
1	Mg 279.079	39731.3	42726.0	20.231 mg/L	20.231 mg/L
1	Ni 231.604	2547.9	2739.9	0.39613 mg/L	0.39613 mg/L
1	Pb 220.353	941.8	1012.8	0.40143 mg/L	0.40143 mg/L
1	Sn 189.933	486.4	523.1	0.42932 mg/L	0.42932 mg/L
1	Se 196.026	391.7	421.3	0.41826 mg/L	0.41826 mg/L
1	Sb 206.833	341.7	367.4	0.41749 mg/L	0.41749 mg/L
1	V 292.402	23295.2	25051.0	0.40258 mg/L	0.40258 mg/L
1	Tl 190.800	173.8	186.9	0.20440 mg/L	0.20440 mg/L
1	Zn 213.856	18739.9	20152.4	0.43204 mg/L	0.43204 mg/L
1	Na 330.237	5732.0	6164.0	21.174 mg/L	21.174 mg/L
1	Sr 407.771	63272.1	68041.1		
1	K 404.721	1589.8	1709.7	0.00000 mg/L	0.00000 mg/L
2	Y 324.228	343792.1	343792.1	0.930 mg/L	
2	Ag 328.068	7389.7	7949.0	0.18217 mg/L	0.18217 mg/L
2	Al 308.215	62760.5	67510.1	19.174 mg/L	19.174 mg/L
2	As 193.696	80.9	87.0	0.19454 mg/L	0.19454 mg/L
2	B 249.773	9697.8	10431.7	0.41108 mg/L	0.41108 mg/L
2	Ba 233.527	12285.6	13215.3	0.40969 mg/L	0.40969 mg/L
2	Be 313.042	199183.7	214257.6	0.21314 mg/L	0.21314 mg/L
2	Ca 315.887	293581.6	315799.4	21.839 mg/L	21.839 mg/L
2	Cd 214.438	6097.4	6558.8	0.21471 mg/L	0.21471 mg/L
2	Co 238.892	9071.1	9757.5	0.41439 mg/L	0.41439 mg/L
2	Cr 267.716	22758.3	24480.6	0.40861 mg/L	0.40861 mg/L
2	Cu 324.754	44723.5	48108.1	0.36635 mg/L	0.36635 mg/L
2	Fe 234.349	234634.3	252391.1	21.357 mg/L	21.357 mg/L
2	K 766.491	5859138.4	6302549.7	21.498 mg/L	21.498 mg/L
2	Mo 202.030	1956.7	2104.8	0.40735 mg/L	0.40735 mg/L
2	Mn 257.610	69662.6	74934.6	0.39912 mg/L	0.39912 mg/L
2	Mg 279.079	39759.6	42768.6	20.251 mg/L	20.251 mg/L
2	Ni 231.604	2550.5	2743.5	0.39665 mg/L	0.39665 mg/L
2	Pb 220.353	955.6	1027.9	0.40766 mg/L	0.40766 mg/L
2	Sn 189.933	488.6	525.6	0.43135 mg/L	0.43135 mg/L
2	Se 196.026	383.3	412.3	0.40887 mg/L	0.40887 mg/L
2	Sb 206.833	337.8	363.3	0.41267 mg/L	0.41267 mg/L
2	V 292.402	23189.2	24944.1	0.40087 mg/L	0.40087 mg/L
2	Tl 190.800	171.3	184.2	0.20183 mg/L	0.20183 mg/L
2	Zn 213.856	18767.2	20187.4	0.43281 mg/L	0.43281 mg/L
2	Na 330.237	5775.4	6212.5	21.354 mg/L	21.354 mg/L
2	Sr 407.771	59405.4	63901.1		
2	K 404.721	1529.0	1644.7	0.00000 mg/L	0.00000 mg/L

Mean Data

ID: RWMS Seq. No.: 39 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:47:44 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	343841.0	0.930	0.0002	mg/L				0.02%
Ag 328.068	8327.3	0.19093	0.012394	mg/L	0.19093	0.012394	mg/L	6.49%
Al 308.215	67484.2	19.166	0.0104	mg/L	19.166	0.0104	mg/L	0.05%
As 193.696	83.6	0.18532	0.013043	mg/L	0.18532	0.013043	mg/L	7.04%
B 249.773	10438.8	0.41137	0.000405	mg/L	0.41137	0.000405	mg/L	0.10%
Ba 233.527	13208.0	0.40946	0.000320	mg/L	0.40946	0.000320	mg/L	0.08%
Be 313.042	214142.8	0.21303	0.000163	mg/L	0.21303	0.000163	mg/L	0.08%
Ca 315.887	315492.8	21.818	0.0300	mg/L	21.818	0.0300	mg/L	0.14%
Cd 214.438	6552.5	0.21450	0.000299	mg/L	0.21450	0.000299	mg/L	0.14%
Co 238.892	9745.4	0.41387	0.000731	mg/L	0.41387	0.000731	mg/L	0.18%
Cr 267.716	24449.9	0.40808	0.000753	mg/L	0.40808	0.000753	mg/L	0.18%
Cu 324.754	48127.9	0.36651	0.000222	mg/L	0.36651	0.000222	mg/L	0.06%
Fe 234.349	252229.4	21.343	0.0194	mg/L	21.343	0.0194	mg/L	0.09%
K 766.491	6302114.7	21.497	0.0021	mg/L	21.497	0.0021	mg/L	0.01%
Mo 202.030	2098.9	0.40623	0.001593	mg/L	0.40623	0.001593	mg/L	0.39%
Mn 257.610	74907.8	0.39898	0.000202	mg/L	0.39898	0.000202	mg/L	0.05%
Mg 279.079	42747.3	20.241	0.0142	mg/L	20.241	0.0142	mg/L	0.07%
Ni 231.604	2741.7	0.39639	0.000366	mg/L	0.39639	0.000366	mg/L	0.09%
Pb 220.353	1020.4	0.40454	0.004408	mg/L	0.40454	0.004408	mg/L	1.09%
Sn 189.933	524.4	0.43033	0.001440	mg/L	0.43033	0.001440	mg/L	0.33%
Se 196.026	416.8	0.41356	0.006642	mg/L	0.41356	0.006642	mg/L	1.61%
Sb 206.833	365.4	0.41508	0.003413	mg/L	0.41508	0.003413	mg/L	0.82%
V 292.402	24997.6	0.40173	0.001209	mg/L	0.40173	0.001209	mg/L	0.30%
Tl 190.800	185.6	0.20312	0.001820	mg/L	0.20312	0.001820	mg/L	0.90%
Zn 213.856	20169.9	0.43243	0.000544	mg/L	0.43243	0.000544	mg/L	0.13%

Na 330.237	6188.2	21.264	0.1269	mg/L	21.264	0.1269 mg/L	0.60%
Sr 407.771	65971.1						4.44%
K 404.721	1677.2	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data
ID: CCV3 Date: 11/18/96 8:50:44 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	344277.6	344277.6	0.931	mg/L		
1	Ag 328.068	6492.0	6973.5	0.15957	mg/L	0.15957	mg/L
1	Al 308.215	62851.4	67512.5	19.174	mg/L	19.174	mg/L
1	As 193.696	75.0	80.6	0.17732	mg/L	0.17732	mg/L
1	B 249.773	9727.8	10449.2	0.41179	mg/L	0.41179	mg/L
1	Ba 233.527	12195.1	13099.5	0.40610	mg/L	0.40610	mg/L
1	Be 313.042	198424.7	213140.3	0.21203	mg/L	0.21203	mg/L
1	Ca 315.887	289759.5	311248.5	21.524	mg/L	21.524	mg/L
1	Cd 214.438	6058.4	6507.7	0.21300	mg/L	0.21300	mg/L
1	Co 238.892	9023.7	9692.9	0.41167	mg/L	0.41167	mg/L
1	Cr 267.716	22618.0	24295.4	0.40543	mg/L	0.40543	mg/L
1	Cu 324.754	44914.1	48245.0	0.36744	mg/L	0.36744	mg/L
1	Fe 234.349	233745.2	251080.2	21.246	mg/L	21.246	mg/L
1	K 766.491	5908965.9	6347184.8	21.650	mg/L	21.650	mg/L
1	Mo 202.030	1955.8	2100.9	0.40660	mg/L	0.40660	mg/L
1	Mn 257.610	69481.2	74634.0	0.39752	mg/L	0.39752	mg/L
1	Mg 279.079	39668.6	42610.5	20.177	mg/L	20.177	mg/L
1	Ni 231.604	2547.1	2736.0	0.39557	mg/L	0.39557	mg/L
1	Pb 220.353	939.0	1008.6	0.39971	mg/L	0.39971	mg/L
1	Sn 189.933	481.6	517.3	0.42460	mg/L	0.42460	mg/L
1	Se 196.026	386.6	415.3	0.41198	mg/L	0.41198	mg/L
1	Sb 206.833	336.0	360.9	0.40971	mg/L	0.40971	mg/L
1	V 292.402	23265.0	24990.4	0.40161	mg/L	0.40161	mg/L
1	Tl 190.800	180.6	194.0	0.21127	mg/L	0.21127	mg/L
1	Zn 213.856	18526.6	19900.5	0.42651	mg/L	0.42651	mg/L
1	Na 330.237	5650.1	6069.1	20.823	mg/L	20.823	mg/L
1	Sr 407.771	32888.6	35327.7				
1	K 404.721	1591.3	1709.3	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	344131.6	344131.6	0.931	mg/L		
2	Ag 328.068	6983.0	7504.0	0.17186	mg/L	0.17186	mg/L
2	Al 308.215	62764.2	67447.5	19.156	mg/L	19.156	mg/L
2	As 193.696	75.2	80.8	0.17813	mg/L	0.17813	mg/L
2	B 249.773	9727.8	10453.7	0.41197	mg/L	0.41197	mg/L
2	Ba 233.527	12225.3	13137.5	0.40728	mg/L	0.40728	mg/L
2	Be 313.042	198427.9	213234.1	0.21212	mg/L	0.21212	mg/L
2	Ca 315.887	290205.4	311859.8	21.567	mg/L	21.567	mg/L
2	Cd 214.438	6087.4	6541.6	0.21413	mg/L	0.21413	mg/L
2	Co 238.892	9051.0	9726.4	0.41308	mg/L	0.41308	mg/L
2	Cr 267.716	22657.4	24348.0	0.40634	mg/L	0.40634	mg/L
2	Cu 324.754	44942.5	48296.0	0.36784	mg/L	0.36784	mg/L
2	Fe 234.349	233632.5	251065.6	21.245	mg/L	21.245	mg/L
2	K 766.491	5870638.1	6308690.8	21.519	mg/L	21.519	mg/L
2	Mo 202.030	1956.1	2102.1	0.40683	mg/L	0.40683	mg/L
2	Mn 257.610	69609.3	74803.4	0.39842	mg/L	0.39842	mg/L
2	Mg 279.079	39731.0	42695.6	20.217	mg/L	20.217	mg/L
2	Ni 231.604	2539.9	2729.4	0.39461	mg/L	0.39461	mg/L
2	Pb 220.353	944.2	1014.6	0.40220	mg/L	0.40220	mg/L
2	Sn 189.933	481.9	517.9	0.42510	mg/L	0.42510	mg/L
2	Se 196.026	379.4	407.8	0.40410	mg/L	0.40410	mg/L
2	Sb 206.833	340.2	365.6	0.41530	mg/L	0.41530	mg/L
2	V 292.402	23216.3	24948.7	0.40095	mg/L	0.40095	mg/L
2	Tl 190.800	172.4	185.2	0.20279	mg/L	0.20279	mg/L
2	Zn 213.856	18486.5	19865.9	0.42575	mg/L	0.42575	mg/L
2	Na 330.237	5701.9	6127.3	21.038	mg/L	21.038	mg/L
2	Sr 407.771	31610.5	33969.1				
2	K 404.721	1660.7	1784.6	0.00000	mg/L	0.00000	mg/L

Mean Data
ID: CCV3 Seq. No.: 40 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:50:44 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	344204.6	0.931	0.0003	mg/L				0.03%

Ag 328.068	7238.8	0.16572	0.008691	mg/L	0.16572	0.008691 mg/L	5.24%
Al 308.215	67480.0	19.165	0.0131	mg/L	19.165	0.0131 mg/L	0.07%
As 193.696	80.7	0.17772	0.000577	mg/L	0.17772	0.000577 mg/L	0.32%
B 249.773	10451.5	0.41188	0.000126	mg/L	0.41188	0.000126 mg/L	0.03%
Ba 233.527	13118.5	0.40669	0.000832	mg/L	0.40669	0.000832 mg/L	0.20%
Be 313.042	213187.2	0.21207	0.000066	mg/L	0.21207	0.000066 mg/L	0.03%
Ca 315.887	311554.2	21.545	0.0299	mg/L	21.545	0.0299 mg/L	0.14%
Cd 214.438	6524.6	0.21357	0.000803	mg/L	0.21357	0.000803 mg/L	0.38%
Co 238.892	9709.6	0.41237	0.000996	mg/L	0.41237	0.000996 mg/L	0.24%
Cr 267.716	24321.7	0.40588	0.000639	mg/L	0.40588	0.000639 mg/L	0.16%
Cu 324.754	48270.5	0.36764	0.000284	mg/L	0.36764	0.000284 mg/L	0.08%
Fe 234.349	251072.9	21.245	0.0009	mg/L	21.245	0.0009 mg/L	0.00%
K 766.491	6327937.8	21.585	0.0927	mg/L	21.585	0.0927 mg/L	0.43%
Mo 202.030	2101.5	0.40671	0.000165	mg/L	0.40671	0.000165 mg/L	0.04%
Mn 257.610	74718.7	0.39797	0.000639	mg/L	0.39797	0.000639 mg/L	0.16%
Mg 279.079	42653.1	20.197	0.0285	mg/L	20.197	0.0285 mg/L	0.14%
Ni 231.604	2732.7	0.39509	0.000676	mg/L	0.39509	0.000676 mg/L	0.17%
Pb 220.353	1011.6	0.40096	0.001759	mg/L	0.40096	0.001759 mg/L	0.44%
Sn 189.933	517.6	0.42485	0.000357	mg/L	0.42485	0.000357 mg/L	0.08%
Se 196.026	411.5	0.40804	0.005573	mg/L	0.40804	0.005573 mg/L	1.37%
Sb 206.833	363.2	0.41250	0.003950	mg/L	0.41250	0.003950 mg/L	0.96%
V 292.402	24969.5	0.40128	0.000472	mg/L	0.40128	0.000472 mg/L	0.12%
Tl 190.800	189.6	0.20703	0.005998	mg/L	0.20703	0.005998 mg/L	2.90%
Zn 213.856	19883.2	0.42613	0.000538	mg/L	0.42613	0.000538 mg/L	0.13%
Na 330.237	6098.2	20.931	0.1524	mg/L	20.931	0.1524 mg/L	0.73%
Sr 407.771	34648.4						2.77%
K 404.721	1747.0	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: CCB3 Date: 11/18/96 8:53:47 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	353074.5	353074.5	0.955	mg/L		
1	Ag 328.068	1189.6	1246.0	0.02689	mg/L	0.02689	mg/L
1	Al 308.215	172.8	181.0	0.00491	mg/L	0.00491	mg/L
1	As 193.696	9.2	9.6	0.00707	mg/L	0.00707	mg/L
1	B 249.773	287.5	301.1	0.00472	mg/L	0.00472	mg/L
1	Ba 233.527	-1.2	-1.3	0.00024	mg/L	0.00024	mg/L
1	Be 313.042	583.9	611.5	0.00006	mg/L	0.00006	mg/L
1	Ca 315.887	880.9	922.7	0.06518	mg/L	0.06518	mg/L
1	Cd 214.438	139.9	146.6	0.00027	mg/L	0.00027	mg/L
1	Co 238.892	-47.3	-49.5	0.00005	mg/L	0.00005	mg/L
1	Cr 267.716	803.4	841.4	0.00159	mg/L	0.00159	mg/L
1	Cu 324.754	1624.1	1701.1	0.00025	mg/L	0.00025	mg/L
1	Fe 234.349	651.3	682.2	0.01735	mg/L	0.01735	mg/L
1	K 766.491	-3341.5	-3499.9	0.01589	mg/L	0.01589	mg/L
1	Mo 202.030	22.7	23.7	0.00531	mg/L	0.00531	mg/L
1	Mn 257.610	113.3	118.7	0.00032	mg/L	0.00032	mg/L
1	Mg 279.079	56.0	58.7	0.02587	mg/L	0.02587	mg/L
1	Ni 231.604	6.1	6.4	0.00117	mg/L	0.00117	mg/L
1	Pb 220.353	33.0	34.6	0.00263	mg/L	0.00263	mg/L
1	Sn 189.933	12.1	12.6	0.00492	mg/L	0.00492	mg/L
1	Se 196.026	21.4	22.4	0.00848	mg/L	0.00848	mg/L
1	Sb 206.833	24.2	25.4	0.00057	mg/L	0.00057	mg/L
1	V 292.402	-105.1	-110.1	0.00023	mg/L	0.00023	mg/L
1	Tl 190.800	-22.5	-23.5	0.00096	mg/L	0.00096	mg/L
1	Zn 213.856	486.0	509.0	0.00058	mg/L	0.00058	mg/L
1	Na 330.237	539.4	565.0	0.43326	mg/L	0.43326	mg/L
1	Sr 407.771	15998.6	16756.9				
1	K 404.721	3679.7	3854.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	351757.3	351757.3	0.951	mg/L		
2	Ag 328.068	1070.8	1125.7	0.02410	mg/L	0.02410	mg/L
2	Al 308.215	201.1	211.4	0.01359	mg/L	0.01359	mg/L
2	As 193.696	8.1	8.5	0.00410	mg/L	0.00410	mg/L
2	B 249.773	283.0	297.5	0.00457	mg/L	0.00457	mg/L
2	Ba 233.527	-2.8	-3.0	0.00019	mg/L	0.00019	mg/L
2	Be 313.042	576.5	606.1	0.00005	mg/L	0.00005	mg/L
2	Ca 315.887	865.8	910.2	0.06432	mg/L	0.06432	mg/L
2	Cd 214.438	142.5	149.8	0.00037	mg/L	0.00037	mg/L
2	Co 238.892	-46.4	-48.7	0.00008	mg/L	0.00008	mg/L
2	Cr 267.716	790.5	831.1	0.00141	mg/L	0.00141	mg/L
2	Cu 324.754	1594.5	1676.4	0.00006	mg/L	0.00006	mg/L
2	Fe 234.349	616.7	648.3	0.01448	mg/L	0.01448	mg/L

2	K 766.491	-3805.6	-4000.9	0.01418 mg/L	0.01418 mg/L
2	Mo 202.030	16.7	17.5	0.00411 mg/L	0.00411 mg/L
2	Mn 257.610	110.6	116.2	0.00030 mg/L	0.00030 mg/L
2	Mg 279.079	48.5	51.0	0.02221 mg/L	0.02221 mg/L
2	Ni 231.604	1.9	2.0	0.00054 mg/L	0.00054 mg/L
2	Pb 220.353	31.1	32.7	0.00183 mg/L	0.00183 mg/L
2	Sn 189.933	9.0	9.5	0.00239 mg/L	0.00239 mg/L
2	Se 196.026	20.2	21.2	0.00723 mg/L	0.00723 mg/L
2	Sb 206.833	22.4	23.5	-0.00164 mg/L	-0.00164 mg/L
2	V 292.402	-131.3	-138.0	-0.00021 mg/L	-0.00021 mg/L
2	Tl 190.800	-12.7	-13.4	0.01073 mg/L	0.01073 mg/L
2	Zn 213.856	486.0	511.0	0.00063 mg/L	0.00063 mg/L
2	Na 330.237	541.7	569.5	0.44981 mg/L	0.44981 mg/L
2	Sr 407.771	16743.1	17602.4		
2	K 404.721	3683.7	3872.8	0.00000 mg/L	0.00000 mg/L

Mean Data

ID: CCB3 Seq. No.: 41 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:53:47 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	352415.9	0.953	0.0025	mg/L				0.26%
Ag 328.068	1185.8	0.02550	0.001969	mg/L	0.02550	0.001969	mg/L	7.72%
Al 308.215	196.2	0.00925	0.006135	mg/L	0.00925	0.006135	mg/L	66.32%
As 193.696	9.0	0.00559	0.002100	mg/L	0.00559	0.002100	mg/L	37.60%
B 249.773	299.3	0.00464	0.000103	mg/L	0.00464	0.000103	mg/L	2.21%
Ba 233.527	-2.1	0.00022	0.000037	mg/L	0.00022	0.000037	mg/L	17.00%
Be 313.042	608.8	0.00006	0.000004	mg/L	0.00006	0.000004	mg/L	6.53%
Ca 315.887	916.4	0.06475	0.000609	mg/L	0.06475	0.000609	mg/L	0.94%
Cd 214.438	148.2	0.00032	0.000077	mg/L	0.00032	0.000077	mg/L	24.01%
Co 238.892	-49.1	0.00007	0.000019	mg/L	0.00007	0.000019	mg/L	28.27%
Cr 267.716	836.3	0.00150	0.000128	mg/L	0.00150	0.000128	mg/L	8.55%
Cu 324.754	1688.7	0.00016	0.000138	mg/L	0.00016	0.000138	mg/L	88.62%
Fe 234.349	665.3	0.01591	0.002032	mg/L	0.01591	0.002032	mg/L	12.77%
K 766.491	-3750.4	0.01504	0.001207	mg/L	0.01504	0.001207	mg/L	8.03%
Mo 202.030	20.6	0.00471	0.000848	mg/L	0.00471	0.000848	mg/L	18.00%
Mn 257.610	117.5	0.00031	0.000009	mg/L	0.00031	0.000009	mg/L	2.94%
Mg 279.079	54.8	0.02404	0.002588	mg/L	0.02404	0.002588	mg/L	10.76%
Ni 231.604	4.2	0.00086	0.000444	mg/L	0.00086	0.000444	mg/L	51.76%
Pb 220.353	33.6	0.00223	0.000561	mg/L	0.00223	0.000561	mg/L	25.15%
Sn 189.933	11.1	0.00366	0.001787	mg/L	0.00366	0.001787	mg/L	48.88%
Se 196.026	21.8	0.00786	0.000886	mg/L	0.00786	0.000886	mg/L	11.27%
Sb 206.833	24.4	-0.00053	0.001561	mg/L	-0.00053	0.001561	mg/L	292.48%
V 292.402	-124.1	0.00001	0.000316	mg/L	0.00001	0.000316	mg/L	2877.63%
Tl 190.800	-18.5	0.00584	0.006905	mg/L	0.00584	0.006905	mg/L	118.13%
Zn 213.856	510.0	0.00061	0.000031	mg/L	0.00061	0.000031	mg/L	5.05%
Na 330.237	567.3	0.44153	0.011702	mg/L	0.44153	0.011702	mg/L	2.65%
Sr 407.771	17179.6							3.48%
K 404.721	3863.4	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: RWMD Date: 11/18/96 8:56:53 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	344808.9	344808.9	0.932	mg/L		
1	Ag 328.068	6582.7	7059.9	0.16158	mg/L	0.16158	mg/L
1	Al 308.215	62569.0	67105.7	19.059	mg/L	19.059	mg/L
1	As 193.696	73.5	78.8	0.17278	mg/L	0.17278	mg/L
1	B 249.773	9720.2	10425.0	0.41081	mg/L	0.41081	mg/L
1	Ba 233.527	12232.2	13119.1	0.40671	mg/L	0.40671	mg/L
1	Be 313.042	199316.0	213767.7	0.21265	mg/L	0.21265	mg/L
1	Ca 315.887	289765.6	310775.5	21.492	mg/L	21.492	mg/L
1	Cd 214.438	6061.3	6500.8	0.21277	mg/L	0.21277	mg/L
1	Co 238.892	9042.3	9697.9	0.41186	mg/L	0.41186	mg/L
1	Cr 267.716	22629.4	24270.2	0.40499	mg/L	0.40499	mg/L
1	Cu 324.754	45059.4	48326.5	0.36808	mg/L	0.36808	mg/L
1	Fe 234.349	233034.9	249931.5	21.148	mg/L	21.148	mg/L
1	K 766.491	5902158.8	6330104.1	21.592	mg/L	21.592	mg/L
1	Mo 202.030	1938.7	2079.2	0.40242	mg/L	0.40242	mg/L
1	Mn 257.610	69542.0	74584.2	0.39725	mg/L	0.39725	mg/L
1	Mg 279.079	39668.7	42544.9	20.145	mg/L	20.145	mg/L
1	Ni 231.604	2531.4	2714.9	0.39252	mg/L	0.39252	mg/L

1 Pb 220.353	948.2	1016.9	0.40314 mg/L	0.40314 mg/L	
1 Sn 189.933	481.2	516.1	0.42363 mg/L	0.42363 mg/L	
1 Se 196.026	397.7	426.5	0.42383 mg/L	0.42383 mg/L	
1 Sb 206.833	341.1	365.8	0.41545 mg/L	0.41545 mg/L	
1 V 292.402	23236.2	24920.9	0.40050 mg/L	0.40050 mg/L	
1 Tl 190.800	172.4	185.0	0.20254 mg/L	0.20254 mg/L	
1 Zn 213.856	18452.8	19790.8	0.42410 mg/L	0.42410 mg/L	
1 Na 330.237	5648.0	6057.5	20.780 mg/L	20.780 mg/L	
1 Sr 407.771	14976.8	16062.7			
1 K 404.721	1628.6	1746.7	0.00000 mg/L	0.00000 mg/L	
2 Y 324.228	344546.3	344546.3	0.932 mg/L		
2 Ag 328.068	6414.8	6885.1	0.15753 mg/L	0.15753 mg/L	
2 Al 308.215	62581.9	67170.6	19.077 mg/L	19.077 mg/L	
2 As 193.696	77.5	83.2	0.18447 mg/L	0.18447 mg/L	
2 B 249.773	9703.1	10414.6	0.41040 mg/L	0.41040 mg/L	
2 Ba 233.527	12222.1	13118.3	0.40668 mg/L	0.40668 mg/L	
2 Be 313.042	199143.7	213745.7	0.21263 mg/L	0.21263 mg/L	
2 Ca 315.887	291375.2	312740.0	21.627 mg/L	21.627 mg/L	
2 Cd 214.438	6041.8	6484.8	0.21223 mg/L	0.21223 mg/L	
2 Co 238.892	9058.7	9723.0	0.41293 mg/L	0.41293 mg/L	
2 Cr 267.716	22601.9	24259.2	0.40481 mg/L	0.40481 mg/L	
2 Cu 324.754	45131.1	48440.3	0.36898 mg/L	0.36898 mg/L	
2 Fe 234.349	233224.4	250325.3	21.182 mg/L	21.182 mg/L	
2 K 766.491	5938457.6	6373889.8	21.741 mg/L	21.741 mg/L	
2 Mo 202.030	1957.9	2101.4	0.40671 mg/L	0.40671 mg/L	
2 Mn 257.610	69621.8	74726.7	0.39801 mg/L	0.39801 mg/L	
2 Mg 279.079	39688.0	42598.1	20.171 mg/L	20.171 mg/L	
2 Ni 231.604	2537.1	2723.2	0.39371 mg/L	0.39371 mg/L	
2 Pb 220.353	942.0	1011.0	0.40074 mg/L	0.40074 mg/L	
2 Sn 189.933	482.9	518.3	0.42537 mg/L	0.42537 mg/L	
2 Se 196.026	393.4	422.2	0.41929 mg/L	0.41929 mg/L	
2 Sb 206.833	337.4	362.1	0.41115 mg/L	0.41115 mg/L	
2 V 292.402	23270.6	24976.9	0.40140 mg/L	0.40140 mg/L	
2 Tl 190.800	170.5	183.0	0.20067 mg/L	0.20067 mg/L	
2 Zn 213.856	18497.2	19853.5	0.42548 mg/L	0.42548 mg/L	
2 Na 330.237	5662.8	6078.0	20.856 mg/L	20.856 mg/L	
2 Sr 407.771	17146.4	18403.6			
2 K 404.721	1649.8	1770.8	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: RWMD Seq. No.: 42 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:56:53 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	344677.6	0.932	0.0005	mg/L				0.05%
Ag 328.068	6972.5	0.15955	0.002863	mg/L	0.15955	0.002863	mg/L	1.79%
Al 308.215	67138.1	19.068	0.0131	mg/L	19.068	0.0131	mg/L	0.07%
As 193.696	81.0	0.17863	0.008261	mg/L	0.17863	0.008261	mg/L	4.62%
B 249.773	10419.8	0.41061	0.000294	mg/L	0.41061	0.000294	mg/L	0.07%
Ba 233.527	13118.7	0.40670	0.000018	mg/L	0.40670	0.000018	mg/L	0.00%
Be 313.042	213756.7	0.21264	0.000016	mg/L	0.21264	0.000016	mg/L	0.01%
Ca 315.887	311757.8	21.560	0.0961	mg/L	21.560	0.0961	mg/L	0.45%
Cd 214.438	6492.8	0.21250	0.000378	mg/L	0.21250	0.000378	mg/L	0.18%
Co 238.892	9710.4	0.41240	0.000759	mg/L	0.41240	0.000759	mg/L	0.18%
Cr 267.716	24264.7	0.40490	0.000123	mg/L	0.40490	0.000123	mg/L	0.03%
Cu 324.754	48383.4	0.36853	0.000633	mg/L	0.36853	0.000633	mg/L	0.17%
Fe 234.349	250128.4	21.165	0.0236	mg/L	21.165	0.0236	mg/L	0.11%
K 766.491	6351996.9	21.667	0.1055	mg/L	21.667	0.1055	mg/L	0.49%
Mo 202.030	2090.3	0.40456	0.003032	mg/L	0.40456	0.003032	mg/L	0.75%
Mn 257.610	74655.5	0.39763	0.000537	mg/L	0.39763	0.000537	mg/L	0.14%
Mg 279.079	42571.5	20.158	0.0178	mg/L	20.158	0.0178	mg/L	0.09%
Ni 231.604	2719.0	0.39312	0.000844	mg/L	0.39312	0.000844	mg/L	0.21%
Pb 220.353	1014.0	0.40194	0.001699	mg/L	0.40194	0.001699	mg/L	0.42%
Sn 189.933	517.2	0.42450	0.001232	mg/L	0.42450	0.001232	mg/L	0.29%
Se 196.026	424.4	0.42156	0.003206	mg/L	0.42156	0.003206	mg/L	0.76%
Sb 206.833	363.9	0.41330	0.003044	mg/L	0.41330	0.003044	mg/L	0.74%
V 292.402	24948.9	0.40095	0.000633	mg/L	0.40095	0.000633	mg/L	0.16%
Tl 190.800	184.0	0.20160	0.001322	mg/L	0.20160	0.001322	mg/L	0.66%
Zn 213.856	19822.2	0.42479	0.000975	mg/L	0.42479	0.000975	mg/L	0.23%
Na 330.237	6067.8	20.818	0.0537	mg/L	20.818	0.0537	mg/L	0.26%
Sr 407.771	17233.1							9.61%
K 404.721	1758.7	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 10809-3 Date: 11/18/96 9:00:02 AM

Rep #	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	202150.1	202150.1	0.547	mg/L		
1	Ag 328.068	153.6	281.0	0.00453	mg/L	0.00453	mg/L
1	Al 308.215	268.7	491.5	0.09334	mg/L	0.09334	mg/L
1	As 193.696	-21.8	-39.9	0.11888	mg/L	0.11888	mg/L
1	B 249.773	11461.1	20966.8	0.83368	mg/L	0.83368	mg/L
1	Ba 233.527	9757.8	17850.7	0.55329	mg/L	0.55329	mg/L
1	Be 313.042	823.0	1505.6	0.00095	mg/L	0.00095	mg/L
1	Ca 315.887	11664395.7	21338644.5	1475.5	mg/L	1475.5	mg/L
1	Cd 214.438	110.5	202.1	0.00213	mg/L	0.00213	mg/L
1	Co 238.892	48.3	88.3	0.00587	mg/L	0.00587	mg/L
1	Cr 267.716	1059.0	1937.3	0.02040	mg/L	0.02040	mg/L
1	Cu 324.754	1389.4	2541.8	0.00688	mg/L	0.00688	mg/L
1	Fe 234.349	48050.7	87903.1	7.4119	mg/L	7.4119	mg/L
1	K 766.491	Saturated					
1	Mo 202.030	21.5	39.3	0.00833	mg/L	0.00833	mg/L
1	Mn 257.610	80854.6	147913.9	0.78813	mg/L	0.78813	mg/L
1	Mg 279.079	716865.1	1311420.7	620.91	mg/L	620.91	mg/L
1	Ni 231.604	37.3	68.1	0.01010	mg/L	0.01010	mg/L
1	Pb 220.353	6.6	12.1	-0.00676	mg/L	-0.00676	mg/L
1	Sn 189.933	38.9	71.2	0.39762	mg/L	0.39762	mg/L
1	Se 196.026	-1.9	-3.5	-0.00126	mg/L	-0.00126	mg/L
1	Sb 206.833	14.1	25.8	0.27215	mg/L	0.27215	mg/L
1	V 292.402	-79.3	-145.0	-0.00032	mg/L	-0.00032	mg/L
1	Tl 190.800	17.9	32.8	0.05853	mg/L	0.05853	mg/L
1	Zn 213.856	900.0	1646.4	0.02557	mg/L	0.02557	mg/L
1	Na 330.237	3366924.3	6159393.2	22815	mg/L	22815	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-2842.4	-5199.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	199911.7	199911.7	0.541	mg/L		
2	Ag 328.068	59.0	109.2	0.00055	mg/L	0.00055	mg/L
2	Al 308.215	254.2	470.2	0.08727	mg/L	0.08727	mg/L
2	As 193.696	-18.8	-34.8	0.13470	mg/L	0.13470	mg/L
2	B 249.773	11323.6	20947.1	0.83289	mg/L	0.83289	mg/L
2	Ba 233.527	9727.6	17994.8	0.55776	mg/L	0.55776	mg/L
2	Be 313.042	804.1	1487.6	0.00093	mg/L	0.00093	mg/L
2	Ca 315.887	11654438.0	21559152.3	1490.8	mg/L	1490.8	mg/L
2	Cd 214.438	107.8	199.3	0.00204	mg/L	0.00204	mg/L
2	Co 238.892	41.0	75.9	0.00532	mg/L	0.00532	mg/L
2	Cr 267.716	1100.6	2036.0	0.02208	mg/L	0.02208	mg/L
2	Cu 324.754	1382.1	2556.7	0.00700	mg/L	0.00700	mg/L
2	Fe 234.349	47924.9	88654.6	7.4756	mg/L	7.4756	mg/L
2	K 766.491	Saturated					
2	Mo 202.030	10.7	19.7	0.00454	mg/L	0.00454	mg/L
2	Mn 257.610	80347.7	148632.6	0.79196	mg/L	0.79196	mg/L
2	Mg 279.079	715839.6	1324207.5	626.97	mg/L	626.97	mg/L
2	Ni 231.604	42.6	78.8	0.01164	mg/L	0.01164	mg/L
2	Pb 220.353	12.0	22.2	-0.00260	mg/L	-0.00260	mg/L
2	Sn 189.933	39.4	73.0	0.40250	mg/L	0.40250	mg/L
2	Se 196.026	5.2	9.7	0.01278	mg/L	0.01278	mg/L
2	Sb 206.833	17.5	32.4	0.28276	mg/L	0.28276	mg/L
2	V 292.402	-99.9	-184.8	-0.00096	mg/L	-0.00096	mg/L
2	Tl 190.800	6.7	12.3	0.03878	mg/L	0.03878	mg/L
2	Zn 213.856	900.8	1666.4	0.02600	mg/L	0.02600	mg/L
2	Na 330.237	3253252.1	6018081.6	22292	mg/L	22292	mg/L
2	Sr 407.771	Saturated					
2	K 404.721	-2696.2	-4987.7	0.00000	mg/L	0.00000	mg/L

Mean Data ----------

ID: 10809-3 Seq. No.: 43 Sample No.: 0 A/S Pos: 0

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 9:00:02 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	201030.9	0.544	0.0043	mg/L				0.79%
Ag 328.068	195.1	0.00254	0.002814	mg/L	0.00254	0.002814	mg/L	110.60%
Al 308.215	480.9	0.09030	0.004291	mg/L	0.09030	0.004291	mg/L	4.75%
As 193.696	-37.4	0.12679	0.011185	mg/L	0.12679	0.011185	mg/L	8.82%
B 249.773	20956.9	0.83329	0.000558	mg/L	0.83329	0.000558	mg/L	0.07%

Ba 233.527	17922.7	0.55553	0.003157	mg/L	0.55553	0.003157 mg/L	0.57%
Be 313.042	1496.6	0.00094	0.000013	mg/L	0.00094	0.000013 mg/L	1.33%
Ca 315.887	21448898.4	1483.1	10.78	mg/L	1483.1	10.78 mg/L	0.73%
Cd 214.438	200.7	0.00209	0.000066	mg/L	0.00209	0.000066 mg/L	3.17%
Co 238.892	82.1	0.00560	0.000383	mg/L	0.00560	0.000383 mg/L	6.85%
Cr 267.716	1986.6	0.02124	0.001188	mg/L	0.02124	0.001188 mg/L	5.59%
Cu 324.754	2549.3	0.00694	0.000085	mg/L	0.00694	0.000085 mg/L	1.22%
Fe 234.349	88278.9	7.4437	0.04505	mg/L	7.4437	0.04505 mg/L	0.61%
K 766.491	Saturated						
Mo 202.030	29.5	0.00643	0.002674	mg/L	0.00643	0.002674 mg/L	41.55%
Mn 257.610	148273.3	0.79005	0.002709	mg/L	0.79005	0.002709 mg/L	0.34%
Mg 279.079	1317814.1	623.94	4.281	mg/L	623.94	4.281 mg/L	0.69%
Ni 231.604	73.5	0.01087	0.001093	mg/L	0.01087	0.001093 mg/L	10.06%
Pb 220.353	17.1	-0.00468	0.002944	mg/L	-0.00468	0.002944 mg/L	62.94%
Sn 189.933	72.1	0.40006	0.003445	mg/L	0.40006	0.003445 mg/L	0.86%
Se 196.026	3.1	0.00576	0.009928	mg/L	0.00576	0.009928 mg/L	172.49%
Sb 206.833	29.1	0.27745	0.007500	mg/L	0.27745	0.007500 mg/L	2.70%
V 292.402	-164.9	-0.00064	0.000450	mg/L	-0.00064	0.000450 mg/L	70.07%
Tl 190.800	22.5	0.04865	0.013967	mg/L	0.04865	0.013967 mg/L	28.71%
Zn 213.856	1656.4	0.02579	0.000310	mg/L	0.02579	0.000310 mg/L	1.20%
Na 330.237	6088737.4	22554	370.2	mg/L	22554	370.2 mg/L	1.64%
Sr 407.771	Saturated						
K 404.721	-5093.8	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: 10809-3D Date: 11/18/96 9:03:16 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	202563.7	202563.7	0.548	mg/L		
1	Ag 328.068	-243.6	-444.7	-0.01228	mg/L	-0.01228	mg/L
1	Al 308.215	251.9	459.9	0.08434	mg/L	0.08434	mg/L
1	As 193.696	-19.8	-36.2	0.12480	mg/L	0.12480	mg/L
1	B 249.773	11779.2	21504.7	0.85526	mg/L	0.85526	mg/L
1	Ba 233.527	9592.3	17512.1	0.54280	mg/L	0.54280	mg/L
1	Be 313.042	835.0	1524.5	0.00097	mg/L	0.00097	mg/L
1	Ca 315.887	11351638.3	20724086.6	1433.0	mg/L	1433.0	mg/L
1	Cd 214.438	106.8	195.0	0.00189	mg/L	0.00189	mg/L
1	Co 238.892	60.5	110.5	0.00678	mg/L	0.00678	mg/L
1	Cr 267.716	1214.5	2217.2	0.02519	mg/L	0.02519	mg/L
1	Cu 324.754	1463.9	2672.5	0.00792	mg/L	0.00792	mg/L
1	Fe 234.349	47081.5	85954.2	7.2466	mg/L	7.2466	mg/L
1	K 766.491	Saturated					
1	Mo 202.030	9.7	17.7	0.00414	mg/L	0.00414	mg/L
1	Mn 257.610	79679.2	145466.1	0.77508	mg/L	0.77508	mg/L
1	Mg 279.079	704286.2	1285778.1	608.77	mg/L	608.77	mg/L
1	Ni 231.604	29.4	53.7	0.00801	mg/L	0.00801	mg/L
1	Pb 220.353	6.1	11.2	-0.00712	mg/L	-0.00712	mg/L
1	Sn 189.933	36.1	65.9	0.38461	mg/L	0.38461	mg/L
1	Se 196.026	-0.0	-0.1	0.00200	mg/L	0.00200	mg/L
1	Sb 206.833	17.8	32.5	0.27304	mg/L	0.27304	mg/L
1	V 292.402	-124.6	-227.4	-0.00164	mg/L	-0.00164	mg/L
1	Tl 190.800	-2.4	-4.4	0.02254	mg/L	0.02254	mg/L
1	Zn 213.856	947.5	1729.9	0.02740	mg/L	0.02740	mg/L
1	Na 330.237	3514057.7	6415429.5	23764	mg/L	23764	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-3034.4	-5539.7	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	203102.3	203102.3	0.549	mg/L		
2	Ag 328.068	-262.7	-478.3	-0.01306	mg/L	-0.01306	mg/L
2	Al 308.215	260.5	474.4	0.08846	mg/L	0.08846	mg/L
2	As 193.696	-24.7	-44.9	0.10093	mg/L	0.10093	mg/L
2	B 249.773	11930.1	21722.4	0.86399	mg/L	0.86399	mg/L
2	Ba 233.527	9592.2	17465.6	0.54136	mg/L	0.54136	mg/L
2	Be 313.042	838.9	1527.5	0.00097	mg/L	0.00097	mg/L
2	Ca 315.887	11329158.0	20628193.3	1426.4	mg/L	1426.4	mg/L
2	Cd 214.438	107.8	196.2	0.00194	mg/L	0.00194	mg/L
2	Co 238.892	54.7	99.5	0.00633	mg/L	0.00633	mg/L
2	Cr 267.716	1219.3	2220.1	0.02525	mg/L	0.02525	mg/L
2	Cu 324.754	1442.6	2626.7	0.00755	mg/L	0.00755	mg/L
2	Fe 234.349	46950.2	85487.2	7.2070	mg/L	7.2070	mg/L
2	K 766.491	Saturated					
2	Mo 202.030	19.2	35.0	0.00749	mg/L	0.00749	mg/L
2	Mn 257.610	79742.3	145195.1	0.77364	mg/L	0.77364	mg/L
2	Mg 279.079	704141.4	1282104.5	607.03	mg/L	607.03	mg/L

2	Ni 231.604	32.1	58.4	0.00868	mg/L	0.00868 mg/L
2	Pb 220.353	15.0	27.3	-0.00051	mg/L	-0.00051 mg/L
2	Sn 189.933	36.5	66.4	0.38368	mg/L	0.38368 mg/L
2	Se 196.026	-2.9	-5.3	-0.00350	mg/L	-0.00350 mg/L
2	Sb 206.833	18.6	33.8	0.27350	mg/L	0.27350 mg/L
2	V 292.402	-96.9	-176.5	-0.00083	mg/L	-0.00083 mg/L
2	Tl 190.800	0.7	1.3	0.02812	mg/L	0.02812 mg/L
2	Zn 213.856	946.6	1723.7	0.02726	mg/L	0.02726 mg/L
2	Na 330.237	3585621.4	6528719.3	24184	mg/L	24184 mg/L
2	Sr 407.771	Saturated				
2	K 404.721	-3168.4	-5769.0	0.00000	mg/L	0.00000 mg/L

Mean Data ----------

ID: 10809-3D Seq. No.: 44 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:03:16 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	202833.0	0.548	0.0010	mg/L				0.19%
Ag 328.068	-461.5	-0.01267	0.000551	mg/L	-0.01267	0.000551	mg/L	4.35%
Al 308.215	467.1	0.08640	0.002914	mg/L	0.08640	0.002914	mg/L	3.37%
As 193.696	-40.6	0.11287	0.016880	mg/L	0.11287	0.016880	mg/L	14.96%
B 249.773	21613.5	0.85962	0.006174	mg/L	0.85962	0.006174	mg/L	0.72%
Ba 233.527	17488.9	0.54208	0.001020	mg/L	0.54208	0.001020	mg/L	0.19%
Be 313.042	1526.0	0.00097	0.000002	mg/L	0.00097	0.000002	mg/L	0.19%
Ca 315.887	20676140.0	1429.7	4.69	mg/L	1429.7	4.69	mg/L	0.33%
Cd 214.438	195.6	0.00192	0.000031	mg/L	0.00192	0.000031	mg/L	1.64%
Co 238.892	105.0	0.00656	0.000316	mg/L	0.00656	0.000316	mg/L	4.82%
Cr 267.716	2218.6	0.02522	0.000044	mg/L	0.02522	0.000044	mg/L	0.17%
Cu 324.754	2649.6	0.00774	0.000257	mg/L	0.00774	0.000257	mg/L	3.33%
Fe 234.349	85720.7	7.2268	0.02799	mg/L	7.2268	0.02799	mg/L	0.39%
K 766.491	Saturated							
Mo 202.030	26.3	0.00582	0.002372	mg/L	0.00582	0.002372	mg/L	40.78%
Mn 257.610	145330.6	0.77436	0.001021	mg/L	0.77436	0.001021	mg/L	0.13%
Mg 279.079	1283941.3	607.90	1.230	mg/L	607.90	1.230	mg/L	0.20%
Ni 231.604	56.1	0.00835	0.000474	mg/L	0.00835	0.000474	mg/L	5.68%
Pb 220.353	19.2	-0.00381	0.004672	mg/L	-0.00381	0.004672	mg/L	122.52%
Sn 189.933	66.1	0.38415	0.000663	mg/L	0.38415	0.000663	mg/L	0.17%
Se 196.026	-2.7	-0.00075	0.003890	mg/L	-0.00075	0.003890	mg/L	516.38%
Sb 206.833	33.2	0.27327	0.000321	mg/L	0.27327	0.000321	mg/L	0.12%
V 292.402	-202.0	-0.00123	0.000576	mg/L	-0.00123	0.000576	mg/L	46.65%
Tl 190.800	-1.6	0.02533	0.003943	mg/L	0.02533	0.003943	mg/L	15.57%
Zn 213.856	1726.8	0.02733	0.000097	mg/L	0.02733	0.000097	mg/L	0.35%
Na 330.237	6472074.4	23974	296.8	mg/L	23974	296.8	mg/L	1.24%
Sr 407.771	Saturated							
K 404.721	-5654.4	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 10809-3L Date: 11/18/96 9:06:33 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	273167.1	273167.1	0.739	mg/L		
1	Ag 328.068	-45.1	-61.1	-0.00339	mg/L	-0.01695	mg/L
1	Al 308.215	212.7	287.9	0.03536	mg/L	0.17678	mg/L
1	As 193.696	-18.3	-24.8	-0.02953	mg/L	-0.14765	mg/L
1	B 249.773	3261.4	4415.2	0.16975	mg/L	0.84873	mg/L
1	Ba 233.527	2795.9	3785.1	0.11754	mg/L	0.58772	mg/L
1	Be 313.042	777.7	1052.9	0.00050	mg/L	0.00250	mg/L
1	Ca 315.887	3815610.7	5165521.2	357.18	mg/L	1785.9	mg/L
1	Cd 214.438	118.8	160.8	0.00075	mg/L	0.00373	mg/L
1	Co 238.892	-30.9	-41.8	0.00036	mg/L	0.00181	mg/L
1	Cr 267.716	1084.5	1468.2	0.01233	mg/L	0.06167	mg/L
1	Cu 324.754	1755.8	2376.9	0.00559	mg/L	0.02794	mg/L
1	Fe 234.349	15025.9	20341.9	1.6841	mg/L	8.4204	mg/L
1	K 766.491	4755406.6	6437804.0	21.959	mg/L	109.79	mg/L
1	Mo 202.030	4.7	6.3	0.00195	mg/L	0.00975	mg/L
1	Mn 257.610	23705.6	32092.4	0.17075	mg/L	0.85376	mg/L
1	Mg 279.079	222076.0	300643.4	142.34	mg/L	711.72	mg/L
1	Ni 231.604	22.8	30.9	0.00471	mg/L	0.02355	mg/L
1	Pb 220.353	23.8	32.2	0.00159	mg/L	0.00795	mg/L
1	Sn 189.933	21.7	29.3	0.10028	mg/L	0.50139	mg/L
1	Se 196.026	-2.5	-3.4	-0.01461	mg/L	-0.07304	mg/L
1	Sb 206.833	21.3	28.8	0.06924	mg/L	0.34621	mg/L

1	V 292.402	-204.0	-276.2	-0.00242	mg/L	-0.01211 mg/L
1	Tl 190.800	-10.0	-13.5	0.01135	mg/L	0.05677 mg/L
1	Zn 213.856	652.8	883.7	0.00881	mg/L	0.04407 mg/L
1	Na 330.237	955726.8	1293849.8	4791.3	mg/L	23957 mg/L
1	Sr 407.771	Saturated				
1	K 404.721	2909.5	3938.9	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	275717.4	275717.4	0.746	mg/L	
2	Ag 328.068	-34.4	-46.1	-0.00304	mg/L	-0.01522 mg/L
2	Al 308.215	220.8	296.2	0.03771	mg/L	0.18856 mg/L
2	As 193.696	-18.1	-24.2	-0.02825	mg/L	-0.14123 mg/L
2	B 249.773	3270.4	4386.5	0.16859	mg/L	0.84296 mg/L
2	Ba 233.527	2807.7	3765.9	0.11695	mg/L	0.58474 mg/L
2	Be 313.042	779.3	1045.2	0.00049	mg/L	0.00246 mg/L
2	Ca 315.887	3838606.4	5148585.6	356.01	mg/L	1780.1 mg/L
2	Cd 214.438	118.7	159.3	0.00069	mg/L	0.00347 mg/L
2	Co 238.892	-25.4	-34.1	0.00069	mg/L	0.00343 mg/L
2	Cr 267.716	1055.1	1415.1	0.01142	mg/L	0.05711 mg/L
2	Cu 324.754	1763.4	2365.2	0.00549	mg/L	0.02747 mg/L
2	Fe 234.349	15063.7	20204.4	1.6724	mg/L	8.3621 mg/L
2	K 766.491	4848766.7	6503477.5	22.183	mg/L	110.91 mg/L
2	Mo 202.030	3.3	4.4	0.00159	mg/L	0.00794 mg/L
2	Mn 257.610	23845.3	31982.9	0.17017	mg/L	0.85084 mg/L
2	Mg 279.079	223463.0	299723.0	141.91	mg/L	709.54 mg/L
2	Ni 231.604	16.3	21.8	0.00340	mg/L	0.01700 mg/L
2	Pb 220.353	25.7	34.5	0.00253	mg/L	0.01264 mg/L
2	Sn 189.933	24.3	32.6	0.10264	mg/L	0.51320 mg/L
2	Se 196.026	3.1	4.2	-0.00659	mg/L	-0.03295 mg/L
2	Sb 206.833	19.4	26.1	0.06578	mg/L	0.32889 mg/L
2	V 292.402	-204.0	-273.6	-0.00238	mg/L	-0.01190 mg/L
2	Tl 190.800	-7.5	-10.0	0.01466	mg/L	0.07329 mg/L
2	Zn 213.856	656.4	880.4	0.00874	mg/L	0.04371 mg/L
2	Na 330.237	966274.1	1296028.9	4799.4	mg/L	23997 mg/L
2	Sr 407.771	Saturated				
2	K 404.721	2975.4	3990.8	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: 10809-3L Seq. No.: 45 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Reprocessed Date: 11/18/96 9:06:33 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	274442.2	0.742	0.0049	mg/L				0.66%
Ag 328.068	-53.6	-0.00322	0.000245	mg/L	-0.01609	0.001223	mg/L	7.60%
Al 308.215	292.0	0.03653	0.001666	mg/L	0.18267	0.008329	mg/L	4.56%
As 193.696	-24.5	-0.02889	0.000908	mg/L	-0.14444	0.004541	mg/L	3.14%
B 249.773	4400.9	0.16917	0.000816	mg/L	0.84584	0.004080	mg/L	0.48%
Ba 233.527	3775.5	0.11725	0.000421	mg/L	0.58623	0.002104	mg/L	0.36%
Be 313.042	1049.1	0.00050	0.000005	mg/L	0.00248	0.000027	mg/L	1.09%
Ca 315.887	5157053.4	356.60	0.828	mg/L	1783.0	4.14	mg/L	0.23%
Cd 214.438	160.0	0.00072	0.000037	mg/L	0.00360	0.000184	mg/L	5.12%
Co 238.892	-38.0	0.00052	0.000229	mg/L	0.00262	0.001146	mg/L	43.75%
Cr 267.716	1441.7	0.01188	0.000645	mg/L	0.05939	0.003227	mg/L	5.43%
Cu 324.754	2371.1	0.00554	0.000065	mg/L	0.02770	0.000326	mg/L	1.18%
Fe 234.349	20273.2	1.6783	0.00824	mg/L	8.3913	0.04121	mg/L	0.49%
K 766.491	6470640.8	22.071	0.1582	mg/L	110.35	0.791	mg/L	0.72%
Mo 202.030	5.4	0.00177	0.000255	mg/L	0.00885	0.001274	mg/L	14.40%
Mn 257.610	32037.6	0.17046	0.000413	mg/L	0.85230	0.002064	mg/L	0.24%
Mg 279.079	300183.2	142.13	0.308	mg/L	710.63	1.541	mg/L	0.22%
Ni 231.604	26.3	0.00405	0.000926	mg/L	0.02027	0.004630	mg/L	22.84%
Pb 220.353	33.3	0.00206	0.000663	mg/L	0.01030	0.003314	mg/L	32.19%
Sn 189.933	31.0	0.10146	0.001670	mg/L	0.50729	0.008352	mg/L	1.65%
Se 196.026	0.4	-0.01060	0.005670	mg/L	-0.05300	0.028349	mg/L	53.49%
Sb 206.833	27.5	0.06751	0.002449	mg/L	0.33755	0.012245	mg/L	3.63%
V 292.402	-274.9	-0.00240	0.000029	mg/L	-0.01200	0.000146	mg/L	1.21%
Tl 190.800	-11.8	0.01301	0.002337	mg/L	0.06503	0.011684	mg/L	17.97%
Zn 213.856	882.1	0.00878	0.000051	mg/L	0.04389	0.000254	mg/L	0.58%
Na 330.237	1294939.3	4795.4	5.71	mg/L	23977	28.5	mg/L	0.12%
Sr 407.771	Saturated							
K 404.721	3964.8	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.0

Replicate Data

ID: 10809-1 Date: 11/18/96 9:09:54 AM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Y 324.228	260907.8	260907.8	0.706	mg/L		
1	Ag 328.068	-256.8	-364.0	-0.01041	mg/L	-0.01041	mg/L
1	Al 308.215	789.6	1119.2	0.27203	mg/L	0.27203	mg/L
1	As 193.696	11.6	16.5	-0.02982	mg/L	-0.02982	mg/L
1	B 249.773	3078.7	4363.7	0.16768	mg/L	0.16768	mg/L
1	Ba 233.527	6013.7	8523.7	0.26435	mg/L	0.26435	mg/L
1	Be 313.042	1018.5	1443.6	0.00080	mg/L	0.00080	mg/L
1	Ca 315.887	11907672.0	16877895.1	1167.1	mg/L	1167.1	mg/L
1	Cd 214.438	113.1	160.3	0.00073	mg/L	0.00073	mg/L
1	Co 238.892	16.2	22.9	0.00312	mg/L	0.00312	mg/L
1	Cr 267.716	1428.1	2024.2	0.02190	mg/L	0.02190	mg/L
1	Cu 324.754	1594.8	2260.5	0.00475	mg/L	0.00475	mg/L
1	Fe 234.349	14026.7	19881.4	1.6450	mg/L	1.6450	mg/L
1	K 766.491	11161537.7	15820326.8	53.922	mg/L	53.922	mg/L
1	Mo 202.030	31.5	44.7	0.00944	mg/L	0.00944	mg/L
1	Mn 257.610	28136.8	39881.0	0.21227	mg/L	0.21227	mg/L
1	Mg 279.079	21392.5	30321.7	14.356	mg/L	14.356	mg/L
1	Ni 231.604	151.5	214.8	0.03128	mg/L	0.03128	mg/L
1	Pb 220.353	5.9	8.4	-0.00819	mg/L	-0.00819	mg/L
1	Sn 189.933	31.8	45.1	0.20327	mg/L	0.20327	mg/L
1	Se 196.026	18.9	26.8	0.01282	mg/L	0.01282	mg/L
1	Sb 206.833	20.3	28.7	0.15915	mg/L	0.15915	mg/L
1	V 292.402	8545.5	12112.4	0.19568	mg/L	0.19568	mg/L
1	Tl 190.800	-15.2	-21.5	0.00390	mg/L	0.00390	mg/L
1	Zn 213.856	918.4	1301.7	0.01800	mg/L	0.01800	mg/L
1	Na 330.237	779752.9	1105219.2	4092.6	mg/L	4092.6	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	330.1	467.9	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	262166.5	262166.5	0.709	mg/L		
2	Ag 328.068	-246.0	-347.0	-0.01001	mg/L	-0.01001	mg/L
2	Al 308.215	780.3	1100.6	0.26674	mg/L	0.26674	mg/L
2	As 193.696	13.2	18.6	-0.02391	mg/L	-0.02391	mg/L
2	B 249.773	3093.0	4362.9	0.16765	mg/L	0.16765	mg/L
2	Ba 233.527	6017.5	8488.2	0.26325	mg/L	0.26325	mg/L
2	Be 313.042	1014.2	1430.6	0.00079	mg/L	0.00079	mg/L
2	Ca 315.887	11914492.0	16806482.7	1162.1	mg/L	1162.1	mg/L
2	Cd 214.438	111.5	157.3	0.00063	mg/L	0.00063	mg/L
2	Co 238.892	18.4	25.9	0.00325	mg/L	0.00325	mg/L
2	Cr 267.716	1431.8	2019.7	0.02182	mg/L	0.02182	mg/L
2	Cu 324.754	1573.3	2219.2	0.00442	mg/L	0.00442	mg/L
2	Fe 234.349	14050.1	19818.9	1.6397	mg/L	1.6397	mg/L
2	K 766.491	11096659.8	15652855.4	53.351	mg/L	53.351	mg/L
2	Mo 202.030	30.8	43.5	0.00921	mg/L	0.00921	mg/L
2	Mn 257.610	28157.4	39718.6	0.21140	mg/L	0.21140	mg/L
2	Mg 279.079	21359.7	30129.8	14.266	mg/L	14.266	mg/L
2	Ni 231.604	150.3	211.9	0.03087	mg/L	0.03087	mg/L
2	Pb 220.353	13.6	19.1	-0.00380	mg/L	-0.00380	mg/L
2	Sn 189.933	29.7	41.9	0.19994	mg/L	0.19994	mg/L
2	Se 196.026	18.6	26.3	0.01226	mg/L	0.01226	mg/L
2	Sb 206.833	17.8	25.1	0.15416	mg/L	0.15416	mg/L
2	V 292.402	8432.3	11894.5	0.19220	mg/L	0.19220	mg/L
2	Tl 190.800	-15.8	-22.3	0.00315	mg/L	0.00315	mg/L
2	Zn 213.856	913.5	1288.5	0.01771	mg/L	0.01771	mg/L
2	Na 330.237	780901.8	1101533.5	4078.9	mg/L	4078.9	mg/L
2	Sr 407.771	Saturated					
2	K 404.721	283.7	400.2	0.00000	mg/L	0.00000	mg/L

Mean Data ----------

ID: 10809-1 Seq. No.: 46 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:09:54 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	261537.1	0.707	0.0024	mg/L				0.34%
Ag 328.068	-355.5	-0.01021	0.000279	mg/L	-0.01021	0.000279	mg/L	2.73%
Al 308.215	1109.9	0.26938	0.003738	mg/L	0.26938	0.003738	mg/L	1.39%
As 193.696	17.6	-0.02686	0.004180	mg/L	-0.02686	0.004180	mg/L	15.56%
B 249.773	4363.3	0.16766	0.000023	mg/L	0.16766	0.000023	mg/L	0.01%
Ba 233.527	8506.0	0.26380	0.000778	mg/L	0.26380	0.000778	mg/L	0.29%
Be 313.042	1437.1	0.00079	0.000008	mg/L	0.00079	0.000008	mg/L	1.01%
Ca 315.887	16842188.9	1164.6	3.49	mg/L	1164.6	3.49	mg/L	0.30%
Cd 214.438	158.8	0.00068	0.000069	mg/L	0.00068	0.000069	mg/L	10.16%

Co 238.892	24.4	0.00319	0.000088	mg/L	0.00319	0.000088 mg/L	2.77%
Cr 267.716	2021.9	0.02186	0.000055	mg/L	0.02186	0.000055 mg/L	0.25%
Cu 324.754	2239.9	0.00459	0.000231	mg/L	0.00459	0.000231 mg/L	5.04%
Fe 234.349	19850.2	1.6424	0.00375	mg/L	1.6424	0.00375 mg/L	0.23%
K 766.491	15736591.1	53.636	0.4034	mg/L	53.636	0.4034 mg/L	0.75%
Mo 202.030	44.1	0.00933	0.000166	mg/L	0.00933	0.000166 mg/L	1.78%
Mn 257.610	39799.8	0.21184	0.000612	mg/L	0.21184	0.000612 mg/L	0.29%
Mg 279.079	30225.8	14.311	0.0642	mg/L	14.311	0.0642 mg/L	0.45%
Ni 231.604	213.4	0.03108	0.000290	mg/L	0.03108	0.000290 mg/L	0.93%
Pb 220.353	13.8	-0.00600	0.003106	mg/L	-0.00600	0.003106 mg/L	51.80%
Sn 189.933	43.5	0.20160	0.002356	mg/L	0.20160	0.002356 mg/L	1.17%
Se 196.026	26.5	0.01254	0.000395	mg/L	0.01254	0.000395 mg/L	3.15%
Sb 206.833	26.9	0.15665	0.003528	mg/L	0.15665	0.003528 mg/L	2.25%
V 292.402	12003.5	0.19394	0.002463	mg/L	0.19394	0.002463 mg/L	1.27%
Tl 190.800	-21.9	0.00352	0.000530	mg/L	0.00352	0.000530 mg/L	15.06%
Zn 213.856	1295.1	0.01785	0.000205	mg/L	0.01785	0.000205 mg/L	1.15%
Na 330.237	1103376.4	4085.7	9.65	mg/L	4085.7	9.65 mg/L	0.24%
Sr 407.771	Saturated						
K 404.721	434.0	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: 10809-4 Date: 11/18/96 9:13:18 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	242658.6	242658.6	0.656	mg/L		
1	Ag 328.068	-612.2	-933.0	-0.02359	mg/L	-0.02359	mg/L
1	Al 308.215	283.3	431.7	0.07639	mg/L	0.07639	mg/L
1	As 193.696	-17.2	-26.2	0.28509	mg/L	0.28509	mg/L
1	B 249.773	14226.9	21681.7	0.86236	mg/L	0.86236	mg/L
1	Ba 233.527	3164.4	4822.6	0.14968	mg/L	0.14968	mg/L
1	Be 313.042	952.5	1451.7	0.00089	mg/L	0.00089	mg/L
1	Ca 315.887	20925750.6	31890686.0	2205.1	mg/L	2205.1	mg/L
1	Cd 214.438	158.1	240.9	0.00343	mg/L	0.00343	mg/L
1	Co 238.892	736.0	1121.7	0.04928	mg/L	0.04928	mg/L
1	Cr 267.716	1498.4	2283.5	0.02632	mg/L	0.02632	mg/L
1	Cu 324.754	1688.7	2573.6	0.00714	mg/L	0.00714	mg/L
1	Fe 234.349	385803.7	587961.9	49.806	mg/L	49.806	mg/L
1	K 766.491	8350344.5	12725862.1	43.380	mg/L	43.380	mg/L
1	Mo 202.030	3.0	4.5	0.00160	mg/L	0.00160	mg/L
1	Mn 257.610	185170.8	282198.8	1.5039	mg/L	1.5039	mg/L
1	Mg 279.079	1316496.8	2006331.3	949.93	mg/L	949.93	mg/L
1	Ni 231.604	12.6	19.2	0.00303	mg/L	0.00303	mg/L
1	Pb 220.353	18.2	27.7	-0.00048	mg/L	-0.00048	mg/L
1	Sn 189.933	53.0	80.8	0.58747	mg/L	0.58747	mg/L
1	Se 196.026	-2.2	-3.4	-0.00332	mg/L	-0.00332	mg/L
1	Sb 206.833	21.7	33.1	0.42031	mg/L	0.42031	mg/L
1	V 292.402	252.7	385.2	0.00815	mg/L	0.00815	mg/L
1	Tl 190.800	23.5	35.8	0.06426	mg/L	0.06426	mg/L
1	Zn 213.856	1481.9	2258.5	0.03901	mg/L	0.03901	mg/L
1	Na 330.237	728886.5	1110817.5	4113.3	mg/L	4113.3	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	442.5	674.4	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	239461.8	239461.8	0.648	mg/L		
2	Ag 328.068	-615.8	-951.1	-0.02401	mg/L	-0.02401	mg/L
2	Al 308.215	293.7	453.6	0.08263	mg/L	0.08263	mg/L
2	As 193.696	-8.1	-12.5	0.32429	mg/L	0.32429	mg/L
2	B 249.773	13977.4	21585.8	0.85851	mg/L	0.85851	mg/L
2	Ba 233.527	3165.5	4888.6	0.15173	mg/L	0.15173	mg/L
2	Be 313.042	959.9	1482.3	0.00092	mg/L	0.00092	mg/L
2	Ca 315.887	21155946.0	32671915.8	2259.2	mg/L	2259.2	mg/L
2	Cd 214.438	159.9	246.9	0.00363	mg/L	0.00363	mg/L
2	Co 238.892	772.3	1192.7	0.05227	mg/L	0.05227	mg/L
2	Cr 267.716	1478.5	2283.3	0.02632	mg/L	0.02632	mg/L
2	Cu 324.754	1647.8	2544.8	0.00692	mg/L	0.00692	mg/L
2	Fe 234.349	384872.3	594372.6	50.350	mg/L	50.350	mg/L
2	K 766.491	8085742.7	12487113.8	42.567	mg/L	42.567	mg/L
2	Mo 202.030	2.0	3.0	0.00132	mg/L	0.00132	mg/L
2	Mn 257.610	182033.4	281120.9	1.4982	mg/L	1.4982	mg/L
2	Mg 279.079	1313914.7	2029127.5	960.73	mg/L	960.73	mg/L
2	Ni 231.604	15.1	23.3	0.00361	mg/L	0.00361	mg/L
2	Pb 220.353	15.5	23.9	-0.00201	mg/L	-0.00201	mg/L
2	Sn 189.933	49.8	76.9	0.59448	mg/L	0.59448	mg/L
2	Se 196.026	12.8	19.8	0.02123	mg/L	0.02123	mg/L

2	Sb 206.833	15.2	23.4	0.41728	mg/L	0.41728 mg/L
2	V 292.402	222.2	343.2	0.00748	mg/L	0.00748 mg/L
2	Tl 190.800	19.7	30.4	0.05902	mg/L	0.05902 mg/L
2	Zn 213.856	1498.0	2313.4	0.04022	mg/L	0.04022 mg/L
2	Na 330.237	715102.2	1104359.0	4089.4	mg/L	4089.4 mg/L
2	Sr 407.771	Saturated				
2	K 404.721	430.1	664.3	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: 10809-4 Seq. No.: 47 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:13:18 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	241060.2	0.652	0.0061	mg/L				0.94%
Ag 328.068	-942.0	-0.02380	0.000296	mg/L	-0.02380	0.000296	mg/L	1.24%
Al 308.215	442.6	0.07951	0.004407	mg/L	0.07951	0.004407	mg/L	5.54%
As 193.696	-19.3	0.30469	0.027713	mg/L	0.30469	0.027713	mg/L	9.10%
B 249.773	21633.7	0.86043	0.002722	mg/L	0.86043	0.002722	mg/L	0.32%
Ba 233.527	4855.6	0.15071	0.001448	mg/L	0.15071	0.001448	mg/L	0.96%
Be 313.042	1467.0	0.00091	0.000022	mg/L	0.00091	0.000022	mg/L	2.41%
Ca 315.887	32281300.9	2232.2	38.20	mg/L	2232.2	38.20	mg/L	1.71%
Cd 214.438	243.9	0.00353	0.000141	mg/L	0.00353	0.000141	mg/L	4.00%
Co 238.892	1157.2	0.05078	0.002110	mg/L	0.05078	0.002110	mg/L	4.16%
Cr 267.716	2283.4	0.02632	0.000004	mg/L	0.02632	0.000004	mg/L	0.01%
Cu 324.754	2559.2	0.00703	0.000161	mg/L	0.00703	0.000161	mg/L	2.29%
Fe 234.349	591167.3	50.078	0.3843	mg/L	50.078	0.3843	mg/L	0.77%
K 766.491	12606488.0	42.973	0.5751	mg/L	42.973	0.5751	mg/L	1.34%
Mo 202.030	3.8	0.00146	0.000202	mg/L	0.00146	0.000202	mg/L	13.80%
Mn 257.610	281659.9	1.5011	0.00406	mg/L	1.5011	0.00406	mg/L	0.27%
Mg 279.079	2017729.4	955.33	7.632	mg/L	955.33	7.632	mg/L	0.80%
Ni 231.604	21.3	0.00332	0.000411	mg/L	0.00332	0.000411	mg/L	12.37%
Pb 220.353	25.8	-0.00124	0.001080	mg/L	-0.00124	0.001080	mg/L	86.78%
Sn 189.933	78.9	0.59098	0.004960	mg/L	0.59098	0.004960	mg/L	0.84%
Se 196.026	8.2	0.00896	0.017362	mg/L	0.00896	0.017362	mg/L	193.85%
Sb 206.833	28.3	0.41880	0.002139	mg/L	0.41880	0.002139	mg/L	0.51%
V 292.402	364.2	0.00782	0.000474	mg/L	0.00782	0.000474	mg/L	6.07%
Tl 190.800	33.1	0.06164	0.003710	mg/L	0.06164	0.003710	mg/L	6.02%
Zn 213.856	2285.9	0.03961	0.000853	mg/L	0.03961	0.000853	mg/L	2.15%
Na 330.237	1107588.3	4101.3	16.92	mg/L	4101.3	16.92	mg/L	0.41%
Sr 407.771		Saturated						
K 404.721	669.3	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: 10809-5 Date: 11/18/96 9:16:38 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	236902.2	236902.2	0.641	mg/L		
1	Ag 328.068	-649.6	-1014.0	-0.02547	mg/L	-0.02547	mg/L
1	Al 308.215	298.2	465.5	0.08603	mg/L	0.08603	mg/L
1	As 193.696	-14.9	-23.3	0.29987	mg/L	0.29987	mg/L
1	B 249.773	13813.1	21562.6	0.85758	mg/L	0.85758	mg/L
1	Ba 233.527	3169.1	4947.0	0.15354	mg/L	0.15354	mg/L
1	Be 313.042	939.8	1467.0	0.00091	mg/L	0.00091	mg/L
1	Ca 315.887	21166825.6	33041910.5	2284.8	mg/L	2284.8	mg/L
1	Cd 214.438	166.8	260.4	0.00408	mg/L	0.00408	mg/L
1	Co 238.892	808.6	1262.2	0.05520	mg/L	0.05520	mg/L
1	Cr 267.716	1493.7	2331.6	0.02715	mg/L	0.02715	mg/L
1	Cu 324.754	1621.3	2531.0	0.00681	mg/L	0.00681	mg/L
1	Fe 234.349	415357.7	648383.2	54.929	mg/L	54.929	mg/L
1	K 766.491	8486166.4	13247104.5	45.156	mg/L	45.156	mg/L
1	Mo 202.030	8.3	12.9	0.00322	mg/L	0.00322	mg/L
1	Mn 257.610	179418.5	280076.5	1.4926	mg/L	1.4926	mg/L
1	Mg 279.079	1315609.6	2053697.5	972.36	mg/L	972.36	mg/L
1	Ni 231.604	15.3	23.8	0.00369	mg/L	0.00369	mg/L
1	Pb 220.353	8.4	13.1	-0.00645	mg/L	-0.00645	mg/L
1	Sn 189.933	50.9	79.5	0.60348	mg/L	0.60348	mg/L
1	Se 196.026	-2.5	-3.8	-0.00460	mg/L	-0.00460	mg/L
1	Sb 206.833	15.9	24.8	0.42407	mg/L	0.42407	mg/L
1	V 292.402	286.4	447.0	0.00914	mg/L	0.00914	mg/L
1	Tl 190.800	25.0	39.0	0.06727	mg/L	0.06727	mg/L
1	Zn 213.856	1355.2	2115.6	0.03587	mg/L	0.03587	mg/L
1	Na 330.237	732612.8	1143625.7	4234.8	mg/L	4234.8	mg/L

1	Sr 407.771	Saturated				
1	K 404.721	233.1	363.9	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	241246.8	241246.8	0.652	mg/L	
2	Ag 328.068	-644.0	-987.1	-0.02484	mg/L	-0.02484 mg/L
2	Al 308.215	280.8	430.4	0.07603	mg/L	0.07603 mg/L
2	As 193.696	-15.2	-23.3	0.29284	mg/L	0.29284 mg/L
2	B 249.773	14154.1	21696.9	0.86297	mg/L	0.86297 mg/L
2	Ba 233.527	3189.2	4888.7	0.15173	mg/L	0.15173 mg/L
2	Be 313.042	944.4	1447.7	0.00089	mg/L	0.00089 mg/L
2	Ca 315.887	21360709.5	32744059.5	2264.2	mg/L	2264.2 mg/L
2	Cd 214.438	171.0	262.1	0.00414	mg/L	0.00414 mg/L
2	Co 238.892	772.3	1183.9	0.05190	mg/L	0.05190 mg/L
2	Cr 267.716	1445.4	2215.6	0.02516	mg/L	0.02516 mg/L
2	Cu 324.754	1657.0	2540.0	0.00688	mg/L	0.00688 mg/L
2	Fe 234.349	416267.1	638100.3	54.057	mg/L	54.057 mg/L
2	K 766.491	7943955.3	12177373.9	41.511	mg/L	41.511 mg/L
2	Mo 202.030	6.0	9.3	0.00252	mg/L	0.00252 mg/L
2	Mn 257.610	181759.4	278620.9	1.4849	mg/L	1.4849 mg/L
2	Mg 279.079	1318084.9	2020506.5	956.65	mg/L	956.65 mg/L
2	Ni 231.604	10.7	16.4	0.00262	mg/L	0.00262 mg/L
2	Pb 220.353	10.9	16.7	-0.00499	mg/L	-0.00499 mg/L
2	Sn 189.933	50.0	76.7	0.59482	mg/L	0.59482 mg/L
2	Se 196.026	11.4	17.5	0.01756	mg/L	0.01756 mg/L
2	Sb 206.833	17.4	26.6	0.42148	mg/L	0.42148 mg/L
2	V 292.402	271.1	415.6	0.00864	mg/L	0.00864 mg/L
2	Tl 190.800	17.4	26.6	0.05533	mg/L	0.05533 mg/L
2	Zn 213.856	1341.1	2055.9	0.03456	mg/L	0.03456 mg/L
2	Na 330.237	719979.9	1103664.8	4086.8	mg/L	4086.8 mg/L
2	Sr 407.771	Saturated				
2	K 404.721	133.0	203.9	0.00000	mg/L	0.00000 mg/L

Mean Data ----------

ID: 10809-5 Seq. No.: 48 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:16:38 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	239074.5	0.646	0.0083	mg/L				1.29%
Ag 328.068	-1000.6	-0.02515	0.000441	mg/L	-0.02515	0.000441	mg/L	1.75%
Al 308.215	447.9	0.08103	0.007072	mg/L	0.08103	0.007072	mg/L	8.73%
As 193.696	-23.3	0.29636	0.004970	mg/L	0.29636	0.004970	mg/L	1.68%
B 249.773	21629.8	0.86027	0.003812	mg/L	0.86027	0.003812	mg/L	0.44%
Ba 233.527	4917.8	0.15264	0.001276	mg/L	0.15264	0.001276	mg/L	0.84%
Be 313.042	1457.4	0.00090	0.000013	mg/L	0.00090	0.000013	mg/L	1.50%
Ca 315.887	32892985.0	2274.5	14.56	mg/L	2274.5	14.56	mg/L	0.64%
Cd 214.438	261.3	0.00411	0.000040	mg/L	0.00411	0.000040	mg/L	0.97%
Co 238.892	1223.0	0.05355	0.002332	mg/L	0.05355	0.002332	mg/L	4.35%
Cr 267.716	2273.6	0.02616	0.001409	mg/L	0.02616	0.001409	mg/L	5.39%
Cu 324.754	2535.5	0.00684	0.000051	mg/L	0.00684	0.000051	mg/L	0.74%
Fe 234.349	643241.7	54.493	0.6164	mg/L	54.493	0.6164	mg/L	1.13%
K 766.491	12712239.2	43.334	2.5768	mg/L	43.334	2.5768	mg/L	5.95%
Mo 202.030	11.1	0.00287	0.000497	mg/L	0.00287	0.000497	mg/L	17.28%
Mn 257.610	279348.7	1.4887	0.00549	mg/L	1.4887	0.00549	mg/L	0.37%
Mg 279.079	2037102.0	964.50	11.112	mg/L	964.50	11.112	mg/L	1.15%
Ni 231.604	20.1	0.00315	0.000756	mg/L	0.00315	0.000756	mg/L	23.97%
Pb 220.353	14.9	-0.00572	0.001035	mg/L	-0.00572	0.001035	mg/L	18.11%
Sn 189.933	78.1	0.59915	0.006120	mg/L	0.59915	0.006120	mg/L	1.02%
Se 196.026	6.8	0.00648	0.015666	mg/L	0.00648	0.015666	mg/L	241.73%
Sb 206.833	25.7	0.42277	0.001829	mg/L	0.42277	0.001829	mg/L	0.43%
V 292.402	431.3	0.00889	0.000356	mg/L	0.00889	0.000356	mg/L	4.00%
Tl 190.800	32.8	0.06130	0.008442	mg/L	0.06130	0.008442	mg/L	13.77%
Zn 213.856	2085.7	0.03522	0.000927	mg/L	0.03522	0.000927	mg/L	2.63%
Na 330.237	1123645.2	4160.8	104.67	mg/L	4160.8	104.67	mg/L	2.52%
Sr 407.771	Saturated							
K 404.721	283.9	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: CRI Date: 11/18/96 9:19:50 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	360606.9	360606.9	0.975	mg/L		
1	Ag 328.068	906.7	929.9	0.01957	mg/L	0.01957	mg/L

1	Al 308.215	142.5	146.2	-0.00479 mg/L	-0.00479 mg/L
1	As 193.696	14.8	15.1	0.02194 mg/L	0.02194 mg/L
1	B 249.773	283.4	290.7	0.00430 mg/L	0.00430 mg/L
1	Ba 233.527	-3.7	-3.8	0.00017 mg/L	0.00017 mg/L
1	Be 313.042	10691.3	10964.1	0.01035 mg/L	0.01035 mg/L
1	Ca 315.887	28503.5	29230.9	2.0229 mg/L	2.0229 mg/L
1	Cd 214.438	431.9	442.9	0.01019 mg/L	0.01019 mg/L
1	Co 238.892	2216.0	2272.5	0.09767 mg/L	0.09767 mg/L
1	Cr 267.716	2161.0	2216.1	0.02516 mg/L	0.02516 mg/L
1	Cu 324.754	7462.0	7652.4	0.04726 mg/L	0.04726 mg/L
1	Fe 234.349	1262.4	1294.7	0.06927 mg/L	0.06927 mg/L
1	K 766.491	-3869.0	-3967.8	0.01430 mg/L	0.01430 mg/L
1	Mo 202.030	-1.2	-1.2	0.00054 mg/L	0.00054 mg/L
1	Mn 257.610	5751.3	5898.1	0.03112 mg/L	0.03112 mg/L
1	Mg 279.079	1278.6	1311.2	0.61921 mg/L	0.61921 mg/L
1	Ni 231.604	524.0	537.4	0.07789 mg/L	0.07789 mg/L
1	Pb 220.353	43.2	44.3	0.00658 mg/L	0.00658 mg/L
1	Sn 189.933	8.9	9.2	0.00266 mg/L	0.00266 mg/L
1	Se 196.026	24.0	24.6	0.01060 mg/L	0.01060 mg/L
1	Sb 206.833	89.6	91.9	0.07974 mg/L	0.07974 mg/L
1	V 292.402	5678.6	5823.6	0.09512 mg/L	0.09512 mg/L
1	Tl 190.800	-2.5	-2.5	0.02110 mg/L	0.02110 mg/L
1	Zn 213.856	2332.1	2391.6	0.04193 mg/L	0.04193 mg/L
1	Na 330.237	1010.6	1036.4	2.1793 mg/L	2.1793 mg/L
1	Sr 407.771	721633.9	740050.4		
1	K 404.721	3749.6	3845.3	0.00000 mg/L	0.00000 mg/L
2	Y 324.228	361359.3	361359.3	0.977 mg/L	
2	Ag 328.068	925.2	946.9	0.01996 mg/L	0.01996 mg/L
2	Al 308.215	176.3	180.4	0.00497 mg/L	0.00497 mg/L
2	As 193.696	16.3	16.7	0.02604 mg/L	0.02604 mg/L
2	B 249.773	263.4	269.6	0.00345 mg/L	0.00345 mg/L
2	Ba 233.527	-5.4	-5.6	0.00011 mg/L	0.00011 mg/L
2	Be 313.042	10739.3	10990.5	0.01037 mg/L	0.01037 mg/L
2	Ca 315.887	23332.6	23878.3	1.6527 mg/L	1.6527 mg/L
2	Cd 214.438	428.7	438.7	0.01005 mg/L	0.01005 mg/L
2	Co 238.892	2232.3	2284.5	0.09817 mg/L	0.09817 mg/L
2	Cr 267.716	2144.9	2195.1	0.02480 mg/L	0.02480 mg/L
2	Cu 324.754	7520.0	7695.9	0.04761 mg/L	0.04761 mg/L
2	Fe 234.349	1074.1	1099.3	0.05271 mg/L	0.05271 mg/L
2	K 766.491	-4352.5	-4454.3	0.01264 mg/L	0.01264 mg/L
2	Mo 202.030	1.4	1.5	0.00105 mg/L	0.00105 mg/L
2	Mn 257.610	5749.1	5883.6	0.03105 mg/L	0.03105 mg/L
2	Mg 279.079	1047.3	1071.8	0.50587 mg/L	0.50587 mg/L
2	Ni 231.604	530.5	542.9	0.07868 mg/L	0.07868 mg/L
2	Pb 220.353	42.4	43.4	0.00623 mg/L	0.00623 mg/L
2	Sn 189.933	7.7	7.9	0.00156 mg/L	0.00156 mg/L
2	Se 196.026	18.0	18.4	0.00407 mg/L	0.00407 mg/L
2	Sb 206.833	98.7	101.0	0.09052 mg/L	0.09052 mg/L
2	V 292.402	5717.9	5851.6	0.09557 mg/L	0.09557 mg/L
2	Tl 190.800	-3.8	-3.9	0.01981 mg/L	0.01981 mg/L
2	Zn 213.856	2336.2	2390.8	0.04192 mg/L	0.04192 mg/L
2	Na 330.237	960.8	983.3	1.9827 mg/L	1.9827 mg/L
2	Sr 407.771	609591.9	623847.4		
2	K 404.721	3701.6	3788.2	0.00000 mg/L	0.00000 mg/L

Mean Data ----------

ID: CRI Seq. No.: 49 Sample No.: 0 A/S Pos: 0

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 9:19:50 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	360983.1	0.976	0.0014	mg/L				0.15%
Ag 328.068	938.4	0.01976	0.000278	mg/L	0.01976	0.000278	mg/L	1.41%
Al 308.215	163.3	0.00009	0.006901	mg/L	0.00009	0.006901	mg/L	7747.40%
As 193.696	15.9	0.02399	0.002892	mg/L	0.02399	0.002892	mg/L	12.06%
B 249.773	280.1	0.00387	0.000599	mg/L	0.00387	0.000599	mg/L	15.48%
Ba 233.527	-4.7	0.00014	0.000040	mg/L	0.00014	0.000040	mg/L	28.57%
Be 313.042	10977.3	0.01036	0.000018	mg/L	0.01036	0.000018	mg/L	0.18%
Ca 315.887	26554.6	1.8378	0.26171	mg/L	1.8378	0.26171	mg/L	14.24%
Cd 214.438	440.8	0.01012	0.000099	mg/L	0.01012	0.000099	mg/L	0.98%
Co 238.892	2278.5	0.09792	0.000357	mg/L	0.09792	0.000357	mg/L	0.36%
Cr 267.716	2205.6	0.02498	0.000254	mg/L	0.02498	0.000254	mg/L	1.02%
Cu 324.754	7674.1	0.04743	0.000242	mg/L	0.04743	0.000242	mg/L	0.51%
Fe 234.349	1197.0	0.06099	0.011714	mg/L	0.06099	0.011714	mg/L	19.21%

K 766.491	-4211.0	0.01347	0.001172 mg/L	0.01347	0.001172 mg/L	8.70%
Mo 202.030	0.1	0.00079	0.000364 mg/L	0.00079	0.000364 mg/L	45.81%
Mn 257.610	5890.8	0.03109	0.000055 mg/L	0.03109	0.000055 mg/L	0.18%
Mg 279.079	1191.5	0.56254	0.080144 mg/L	0.56254	0.080144 mg/L	14.25%
Ni 231.604	540.1	0.07829	0.000563 mg/L	0.07829	0.000563 mg/L	0.72%
Pb 220.353	43.8	0.00640	0.000246 mg/L	0.00640	0.000246 mg/L	3.84%
Sn 189.933	8.5	0.00211	0.000777 mg/L	0.00211	0.000777 mg/L	36.82%
Se 196.026	21.5	0.00734	0.004614 mg/L	0.00734	0.004614 mg/L	62.89%
Sb 206.833	96.4	0.08513	0.007622 mg/L	0.08513	0.007622 mg/L	8.95%
V 292.402	5837.6	0.09534	0.000317 mg/L	0.09534	0.000317 mg/L	0.33%
Tl 190.800	-3.2	0.02046	0.000913 mg/L	0.02046	0.000913 mg/L	4.46%
Zn 213.856	2391.2	0.04193	0.000012 mg/L	0.04193	0.000012 mg/L	0.03%
Na 330.237	1009.8	2.0810	0.13906 mg/L	2.0810	0.13906 mg/L	6.68%
Sr 407.771	681948.9					12.05%
K 404.721	3816.7	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: ICSA Date: 11/18/96 9:23:02 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	299562.8	299562.8	0.810	mg/L		
1	Ag 328.068	-692.0	-854.3	-0.02177	mg/L	-0.02177	mg/L
1	Al 308.215	1490696.9	1840263.1	523.86	mg/L	523.86	mg/L
1	As 193.696	268.9	332.0	0.38597	mg/L	0.38597	mg/L
1	B 249.773	1696.1	2093.8	0.07663	mg/L	0.07663	mg/L
1	Ba 233.527	106.4	131.4	0.00435	mg/L	0.00435	mg/L
1	Be 313.042	801.2	989.1	0.00041	mg/L	0.00041	mg/L
1	Ca 315.887	5842035.3	7211984.0	498.69	mg/L	498.69	mg/L
1	Cd 214.438	675.5	833.9	0.01245	mg/L	0.01245	mg/L
1	Co 238.892	3554.6	4388.1	0.18660	mg/L	0.18660	mg/L
1	Cr 267.716	1259.3	1554.7	0.01379	mg/L	0.01379	mg/L
1	Cu 324.754	2034.5	2511.5	0.00668	mg/L	0.00668	mg/L
1	Fe 234.349	1733998.1	2140618.1	181.44	mg/L	181.44	mg/L
1	K 766.491	-3787.3	-4675.4	0.01188	mg/L	0.01188	mg/L
1	Mo 202.030	-21.5	-26.5	-0.00437	mg/L	-0.00437	mg/L
1	Mn 257.610	2180.9	2692.3	0.01404	mg/L	0.01404	mg/L
1	Mg 279.079	861984.4	1064118.5	503.82	mg/L	503.82	mg/L
1	Ni 231.604	7.0	8.6	0.00149	mg/L	0.00149	mg/L
1	Pb 220.353	188.6	232.8	-0.02382	mg/L	-0.02382	mg/L
1	Sn 189.933	29.7	36.6	0.33469	mg/L	0.33469	mg/L
1	Se 196.026	55.5	68.6	-0.03435	mg/L	-0.03435	mg/L
1	Sb 206.833	41.5	51.2	0.24031	mg/L	0.24031	mg/L
1	V 292.402	2533.9	3128.2	0.05202	mg/L	0.05202	mg/L
1	Tl 190.800	-9.7	-12.0	0.01156	mg/L	0.01156	mg/L
1	Zn 213.856	2250.6	2778.3	0.05043	mg/L	0.05043	mg/L
1	Na 330.237	670.0	827.1	1.4040	mg/L	1.4040	mg/L
1	Sr 407.771	438293.5	541072.7				
1	K 404.721	2601.2	3211.2	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	300009.3	300009.3	0.811	mg/L		
2	Ag 328.068	-697.8	-860.1	-0.02190	mg/L	-0.02190	mg/L
2	Al 308.215	1502733.5	1852361.2	527.30	mg/L	527.30	mg/L
2	As 193.696	280.7	346.0	0.41788	mg/L	0.41788	mg/L
2	B 249.773	1682.0	2073.4	0.07581	mg/L	0.07581	mg/L
2	Ba 233.527	99.2	122.3	0.00407	mg/L	0.00407	mg/L
2	Be 313.042	771.1	950.5	0.00037	mg/L	0.00037	mg/L
2	Ca 315.887	5845853.3	7205956.1	498.27	mg/L	498.27	mg/L
2	Cd 214.438	689.6	850.0	0.01292	mg/L	0.01292	mg/L
2	Co 238.892	3554.6	4381.6	0.18634	mg/L	0.18634	mg/L
2	Cr 267.716	1259.6	1552.7	0.01377	mg/L	0.01377	mg/L
2	Cu 324.754	2021.9	2492.4	0.00652	mg/L	0.00652	mg/L
2	Fe 234.349	1730452.0	2133060.9	180.80	mg/L	180.80	mg/L
2	K 766.491	-4246.4	-5234.4	0.00998	mg/L	0.00998	mg/L
2	Mo 202.030	-8.8	-10.9	-0.00135	mg/L	-0.00135	mg/L
2	Mn 257.610	2149.2	2649.2	0.01381	mg/L	0.01381	mg/L
2	Mg 279.079	861050.2	1061383.2	502.52	mg/L	502.52	mg/L
2	Ni 231.604	19.1	23.6	0.00366	mg/L	0.00366	mg/L
2	Pb 220.353	181.6	223.8	-0.02823	mg/L	-0.02823	mg/L
2	Sn 189.933	29.7	36.6	0.33492	mg/L	0.33492	mg/L
2	Se 196.026	61.8	76.2	-0.02652	mg/L	-0.02652	mg/L
2	Sb 206.833	38.7	47.7	0.23642	mg/L	0.23642	mg/L
2	V 292.402	2539.2	3130.0	0.05205	mg/L	0.05205	mg/L
2	Tl 190.800	-2.3	-2.8	0.02042	mg/L	0.02042	mg/L
2	Zn 213.856	2265.9	2793.0	0.05075	mg/L	0.05075	mg/L

2	Na 330.237	543.9	670.4	0.82375 mg/L	0.82375 mg/L	
2	Sr 407.771	403191.3	496998.2			
2	K 404.721	2504.9	3087.7	0.00000 mg/L	0.00000 mg/L	

M Data
ID: ICSA Seq. No.: 50 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:23:02 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	299786.1	0.811	0.0009	mg/L				0.11%
Ag 328.068	-857.2	-0.02183	0.000095	mg/L	-0.02183	0.000095	mg/L	0.44%
Al 308.215	1846312.1	525.58	2.435	mg/L	525.58	2.435	mg/L	0.46%
As 193.696	339.0	0.40193	0.022563	mg/L	0.40193	0.022563	mg/L	5.61%
B 249.773	2083.6	0.07622	0.000579	mg/L	0.07622	0.000579	mg/L	0.76%
Ba 233.527	126.8	0.00421	0.000200	mg/L	0.00421	0.000200	mg/L	4.75%
Be 313.042	969.8	0.00039	0.000027	mg/L	0.00039	0.000027	mg/L	6.95%
Ca 315.887	7208970.1	498.48	0.295	mg/L	498.48	0.295	mg/L	0.06%
Cd 214.438	842.0	0.01268	0.000331	mg/L	0.01268	0.000331	mg/L	2.61%
Co 238.892	4384.8	0.18647	0.000184	mg/L	0.18647	0.000184	mg/L	0.10%
Cr 267.716	1553.7	0.01378	0.000016	mg/L	0.01378	0.000016	mg/L	0.12%
Cu 324.754	2502.0	0.00660	0.000109	mg/L	0.00660	0.000109	mg/L	1.65%
Fe 234.349	2136839.5	181.12	0.453	mg/L	181.12	0.453	mg/L	0.25%
K 766.491	-4954.9	0.01093	0.001347	mg/L	0.01093	0.001347	mg/L	12.32%
Mo 202.030	-18.7	-0.00286	0.002138	mg/L	-0.00286	0.002138	mg/L	74.69%
Mn 257.610	2670.8	0.01392	0.000163	mg/L	0.01392	0.000163	mg/L	1.17%
Mg 279.079	1062750.8	503.17	0.916	mg/L	503.17	0.916	mg/L	0.18%
Ni 231.604	16.1	0.00257	0.001532	mg/L	0.00257	0.001532	mg/L	59.56%
Pb 220.353	228.3	-0.02602	0.003116	mg/L	-0.02602	0.003116	mg/L	11.97%
Sn 189.933	36.6	0.33480	0.000163	mg/L	0.33480	0.000163	mg/L	0.05%
Se 196.026	72.4	-0.03044	0.005539	mg/L	-0.03044	0.005539	mg/L	18.20%
Sb 206.833	49.5	0.23836	0.002749	mg/L	0.23836	0.002749	mg/L	1.15%
V 292.402	3129.1	0.05203	0.000021	mg/L	0.05203	0.000021	mg/L	0.04%
Tl 190.800	-7.4	0.01599	0.006266	mg/L	0.01599	0.006266	mg/L	39.18%
Zn 213.856	2785.7	0.05059	0.000228	mg/L	0.05059	0.000228	mg/L	0.45%
Na 330.237	748.8	1.1139	0.41030	mg/L	1.1139	0.41030	mg/L	36.84%
Sr 407.771	519035.4							6.00%
K 404.721	3149.4	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data
ID: ICSAB Date: 11/18/96 9:26:16 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	299073.1	299073.1	0.809	mg/L		
1	Ag 328.068	36253.6	44828.3	1.0365	mg/L	1.0365	mg/L
1	Al 308.215	1496372.9	1850294.8	526.71	mg/L	526.71	mg/L
1	As 193.696	274.5	339.4	0.40118	mg/L	0.40118	mg/L
1	B 249.773	1712.6	2117.6	0.07758	mg/L	0.07758	mg/L
1	Ba 233.527	13178.6	16295.7	0.50512	mg/L	0.50512	mg/L
1	Be 313.042	426244.8	527060.2	0.52536	mg/L	0.52536	mg/L
1	Ca 315.887	5840338.5	7221694.5	499.36	mg/L	499.36	mg/L
1	Cd 214.438	24704.9	30548.0	1.0066	mg/L	1.0066	mg/L
1	Co 238.892	12245.4	15141.7	0.63878	mg/L	0.63878	mg/L
1	Cr 267.716	24405.8	30178.3	0.50493	mg/L	0.50493	mg/L
1	Cu 324.754	53743.2	66454.5	0.51150	mg/L	0.51150	mg/L
1	Fe 234.349	1733116.3	2143032.7	181.64	mg/L	181.64	mg/L
1	K 766.491	-5083.4	-6285.7	0.00640	mg/L	0.00640	mg/L
1	Mo 202.030	-19.1	-23.7	-0.00362	mg/L	-0.00362	mg/L
1	Mn 257.610	75171.3	92950.8	0.49515	mg/L	0.49515	mg/L
1	Mg 279.079	861102.0	1064769.8	504.13	mg/L	504.13	mg/L
1	Ni 231.604	4903.4	6063.2	0.87630	mg/L	0.87630	mg/L
1	Pb 220.353	2028.5	2508.3	0.90963	mg/L	0.90963	mg/L
1	Sn 189.933	17.9	22.1	0.32552	mg/L	0.32552	mg/L
1	Se 196.026	81.9	101.3	-0.00166	mg/L	-0.00166	mg/L
1	Sb 206.833	32.4	40.0	0.22832	mg/L	0.22832	mg/L
1	V 292.402	26755.1	33083.2	0.53103	mg/L	0.53103	mg/L
1	Tl 190.800	-6.8	-8.4	0.01573	mg/L	0.01573	mg/L
1	Zn 213.856	42056.1	52003.2	1.1316	mg/L	1.1316	mg/L
1	Na 330.237	453.5	560.8	0.41748	mg/L	0.41748	mg/L
1	Sr 407.771	340055.0	420484.7				
1	K 404.721	2554.9	3159.2	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	300794.9	300794.9	0.813	mg/L		

2 Ag 328.068	36335.6	44672.5	1.0329 mg/L	1.0329 mg/L	
2 Al 308.215	1511178.8	1857906.6	528.88 mg/L	528.88 mg/L	
2 As 193.696	273.2	335.9	0.38873 mg/L	0.38873 mg/L	
2 B 249.773	1679.0	2064.3	0.07544 mg/L	0.07544 mg/L	
2 Ba 233.527	13183.5	16208.4	0.50241 mg/L	0.50241 mg/L	
2 Be 313.042	428382.1	526670.9	0.52497 mg/L	0.52497 mg/L	
2 Ca 315.887	5867065.4	7213216.4	498.78 mg/L	498.78 mg/L	
2 Cd 214.438	24660.5	30318.6	0.99884 mg/L	0.99884 mg/L	
2 Co 238.892	12295.5	15116.6	0.63772 mg/L	0.63772 mg/L	
2 Cr 267.716	24385.6	29980.7	0.50154 mg/L	0.50154 mg/L	
2 Cu 324.754	54110.8	66526.1	0.51207 mg/L	0.51207 mg/L	
2 Fe 234.349	1742746.1	2142605.1	181.61 mg/L	181.61 mg/L	
2 K 766.491	-4858.2	-5972.8	0.00746 mg/L	0.00746 mg/L	
2 Mo 202.030	-18.6	-22.9	-0.00348 mg/L	-0.00348 mg/L	
2 Mn 257.610	75474.3	92791.3	0.49430 mg/L	0.49430 mg/L	
2 Mg 279.079	865083.0	1063569.4	503.56 mg/L	503.56 mg/L	
2 Ni 231.604	4929.5	6060.5	0.87591 mg/L	0.87591 mg/L	
2 Pb 220.353	2027.0	2492.1	0.90255 mg/L	0.90255 mg/L	
2 Sn 189.933	19.8	24.3	0.32749 mg/L	0.32749 mg/L	
2 Se 196.026	66.2	81.3	-0.02282 mg/L	-0.02282 mg/L	
2 Sb 206.833	32.3	39.7	0.22804 mg/L	0.22804 mg/L	
2 V 292.402	26839.5	32997.6	0.52966 mg/L	0.52966 mg/L	
2 Tl 190.800	-3.5	-4.3	0.01968 mg/L	0.01968 mg/L	
2 Zn 213.856	42086.4	51742.7	1.1259 mg/L	1.1259 mg/L	
2 Na 330.237	443.8	545.7	0.36155 mg/L	0.36155 mg/L	
2 Sr 407.771	343359.1	422140.1			
2 K 404.721	2601.2	3198.1	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: ICSAB Seq. No.: 51 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:26:16 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	299934.0	0.811	0.0033	mg/L				0.41%
Ag 328.068	44750.4	1.0347	0.00255	mg/L	1.0347	0.00255	mg/L	0.25%
Al 308.215	1854100.7	527.80	1.532	mg/L	527.80	1.532	mg/L	0.29%
As 193.696	337.7	0.39496	0.008802	mg/L	0.39496	0.008802	mg/L	2.23%
B 249.773	2091.0	0.07651	0.001514	mg/L	0.07651	0.001514	mg/L	1.98%
Ba 233.527	16252.0	0.50377	0.001912	mg/L	0.50377	0.001912	mg/L	0.38%
Be 313.042	526865.5	0.52517	0.000274	mg/L	0.52517	0.000274	mg/L	0.05%
Ca 315.887	7217455.4	499.07	0.415	mg/L	499.07	0.415	mg/L	0.08%
Cd 214.438	30433.3	1.0027	0.00546	mg/L	1.0027	0.00546	mg/L	0.54%
Co 238.892	15129.1	0.63825	0.000747	mg/L	0.63825	0.000747	mg/L	0.12%
Cr 267.716	30079.5	0.50323	0.002396	mg/L	0.50323	0.002396	mg/L	0.48%
Cu 324.754	66490.3	0.51179	0.000399	mg/L	0.51179	0.000399	mg/L	0.08%
Fe 234.349	2142818.9	181.63	0.026	mg/L	181.63	0.026	mg/L	0.01%
K 766.491	-6129.3	0.00693	0.000754	mg/L	0.00693	0.000754	mg/L	10.87%
Mo 202.030	-23.3	-0.00355	0.000101	mg/L	-0.00355	0.000101	mg/L	2.85%
Mn 257.610	92871.0	0.49473	0.000601	mg/L	0.49473	0.000601	mg/L	0.12%
Mg 279.079	1064169.6	503.85	0.402	mg/L	503.85	0.402	mg/L	0.08%
Ni 231.604	6061.8	0.87611	0.000278	mg/L	0.87611	0.000278	mg/L	0.03%
Pb 220.353	2500.2	0.90609	0.005004	mg/L	0.90609	0.005004	mg/L	0.55%
Sn 189.933	23.2	0.32650	0.001396	mg/L	0.32650	0.001396	mg/L	0.43%
Se 196.026	91.3	-0.01224	0.014966	mg/L	-0.01224	0.014966	mg/L	122.28%
Sb 206.833	39.9	0.22818	0.000196	mg/L	0.22818	0.000196	mg/L	0.09%
V 292.402	33040.4	0.53034	0.000968	mg/L	0.53034	0.000968	mg/L	0.18%
Tl 190.800	-6.4	0.01771	0.002794	mg/L	0.01771	0.002794	mg/L	15.78%
Zn 213.856	51873.0	1.1288	0.00405	mg/L	1.1288	0.00405	mg/L	0.36%
Na 330.237	553.2	0.38951	0.039549	mg/L	0.38951	0.039549	mg/L	10.15%
Sr 407.771	421312.4							0.28%
K 404.721	3178.6	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: CCV4 Date: 11/18/96 9:29:32 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	347634.2	347634.2	0.940	mg/L		
1	Ag 328.068	6574.3	6993.6	0.16004	mg/L	0.16004	mg/L
1	Al 308.215	65399.5	69571.4	19.760	mg/L	19.760	mg/L
1	As 193.696	78.5	83.5	0.18452	mg/L	0.18452	mg/L
1	B 249.773	9715.2	10334.9	0.40720	mg/L	0.40720	mg/L
1	Ba 233.527	12165.3	12941.3	0.40120	mg/L	0.40120	mg/L

1 Be 313.042	200332.2	213111.4	0.21200 mg/L	0.21200 mg/L	
1 Ca 315.887	291844.4	310461.2	21.470 mg/L	21.470 mg/L	
1 Cd 214.438	6047.4	6433.1	0.21049 mg/L	0.21049 mg/L	
1 Co 238.892	9011.2	9586.0	0.40714 mg/L	0.40714 mg/L	
1 Cr 267.716	22727.9	24177.7	0.40339 mg/L	0.40339 mg/L	
1 Cu 324.754	46164.2	49109.0	0.37426 mg/L	0.37426 mg/L	
1 Fe 234.349	234874.7	249857.4	21.142 mg/L	21.142 mg/L	
1 K 766.491	6065324.8	6452232.5	22.008 mg/L	22.008 mg/L	
1 Mo 202.030	1943.6	2067.5	0.40016 mg/L	0.40016 mg/L	
1 Mn 257.610	69564.0	74001.5	0.39415 mg/L	0.39415 mg/L	
1 Mg 279.079	40523.9	43108.9	20.412 mg/L	20.412 mg/L	
1 Ni 231.604	2533.5	2695.1	0.38966 mg/L	0.38966 mg/L	
1 Pb 220.353	936.7	996.4	0.39457 mg/L	0.39457 mg/L	
1 Sn 189.933	478.8	509.4	0.41837 mg/L	0.41837 mg/L	
1 Se 196.026	383.6	408.1	0.40446 mg/L	0.40446 mg/L	
1 Sb 206.833	343.0	364.9	0.41450 mg/L	0.41450 mg/L	
1 V 292.402	23263.9	24747.9	0.39774 mg/L	0.39774 mg/L	
1 Tl 190.800	169.5	180.3	0.19802 mg/L	0.19802 mg/L	
1 Zn 213.856	18483.9	19663.0	0.42129 mg/L	0.42129 mg/L	
1 Na 330.237	5736.2	6102.1	20.945 mg/L	20.945 mg/L	
1 Sr 407.771	33554.6	35695.0			
1 K 404.721	1571.3	1671.6	0.00000 mg/L	0.00000 mg/L	
2 Y 324.228	349067.7	349067.7	0.944 mg/L		
2 Ag 328.068	6763.3	7165.1	0.16401 mg/L	0.16401 mg/L	
2 Al 308.215	65575.2	69471.8	19.732 mg/L	19.732 mg/L	
2 As 193.696	77.1	81.7	0.17961 mg/L	0.17961 mg/L	
2 B 249.773	9751.2	10330.7	0.40703 mg/L	0.40703 mg/L	
2 Ba 233.527	12225.5	12951.9	0.40153 mg/L	0.40153 mg/L	
2 Be 313.042	200983.7	212926.4	0.21182 mg/L	0.21182 mg/L	
2 Ca 315.887	291473.0	308792.7	21.354 mg/L	21.354 mg/L	
2 Cd 214.438	6057.4	6417.3	0.20996 mg/L	0.20996 mg/L	
2 Co 238.892	9003.9	9538.9	0.40517 mg/L	0.40517 mg/L	
2 Cr 267.716	22768.8	24121.7	0.40243 mg/L	0.40243 mg/L	
2 Cu 324.754	46363.6	49118.6	0.37433 mg/L	0.37433 mg/L	
2 Fe 234.349	235000.3	248964.3	21.066 mg/L	21.066 mg/L	
2 K 766.491	6105736.2	6468547.7	22.064 mg/L	22.064 mg/L	
2 Mo 202.030	1955.3	2071.5	0.40092 mg/L	0.40092 mg/L	
2 Mn 257.610	69745.4	73889.7	0.39355 mg/L	0.39355 mg/L	
2 Mg 279.079	40542.1	42951.1	20.338 mg/L	20.338 mg/L	
2 Ni 231.604	2536.1	2686.8	0.38846 mg/L	0.38846 mg/L	
2 Pb 220.353	943.5	999.6	0.39586 mg/L	0.39586 mg/L	
2 Sn 189.933	475.5	503.8	0.41387 mg/L	0.41387 mg/L	
2 Se 196.026	400.0	423.8	0.42093 mg/L	0.42093 mg/L	
2 Sb 206.833	341.6	361.9	0.41092 mg/L	0.41092 mg/L	
2 V 292.402	23305.5	24690.4	0.39682 mg/L	0.39682 mg/L	
2 Tl 190.800	180.9	191.7	0.20902 mg/L	0.20902 mg/L	
2 Zn 213.856	18506.8	19606.5	0.42005 mg/L	0.42005 mg/L	
2 Na 330.237	5800.6	6145.3	21.105 mg/L	21.105 mg/L	
2 Sr 407.771	32067.8	33973.3			
2 K 404.721	1640.0	1737.5	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: CCV4 Seq. No.: 52 Sample No.: 0 A/S Pos: 0

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 9:29:32 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	348351.0	0.942	0.0027	mg/L				0.29%
Ag 328.068	7079.4	0.16203	0.002809	mg/L	0.16203 ✓	0.002809	mg/L	1.73%
Al 308.215	69521.6	19.746	0.0200	mg/L	19.746 ✓	0.0200	mg/L	0.10%
As 193.696	82.6	0.18206	0.003470	mg/L	0.18206	0.003470	mg/L	1.91%
B 249.773	10332.8	0.40712	0.000120	mg/L	0.40712	0.000120	mg/L	0.03%
Ba 233.527	12946.6	0.40137	0.000232	mg/L	0.40137	0.000232	mg/L	0.06%
Be 313.042	213018.9	0.21191	0.000130	mg/L	0.21191 ✓	0.000130	mg/L	0.06%
Ca 315.887	309626.9	21.412	0.0816	mg/L	21.412 ✓	0.0816	mg/L	0.38%
Cd 214.438	6425.2	0.21022	0.000374	mg/L	0.21022	0.000374	mg/L	0.18%
Co 238.892	9562.5	0.40615	0.001398	mg/L	0.40615 ✓	0.001398	mg/L	0.34%
Cr 267.716	24149.7	0.40291	0.000678	mg/L	0.40291 ✓	0.000678	mg/L	0.17%
Cu 324.754	49113.8	0.37429	0.000053	mg/L	0.37429 ✓	0.000053	mg/L	0.01%
Fe 234.349	249410.9	21.104	0.0535	mg/L	21.104 ✓	0.0535	mg/L	0.25%
K 766.491	6460390.1	22.036	0.0393	mg/L	22.036	0.0393	mg/L	0.18%
Mo 202.030	2069.5	0.40054	0.000537	mg/L	0.40054	0.000537	mg/L	0.13%
Mn 257.610	73945.6	0.39385	0.000421	mg/L	0.39385 ✓	0.000421	mg/L	0.11%
Mg 279.079	43030.0	20.375	0.0528	mg/L	20.375 ✓	0.0528	mg/L	0.26%

Ni 231.604	2690.9	0.38906	0.000849 mg/L	0.38906	0.000849 mg/L	0.22%
Pb 220.353	998.0	0.39522	0.000912 mg/L	0.39522	0.000912 mg/L	0.23%
Sn 189.933	506.6	0.41612	0.003184 mg/L	0.41612	0.003184 mg/L	0.77%
Se 196.026	415.9	0.41270	0.011644 mg/L	0.41270	0.011644 mg/L	2.82%
Sb 206.833	363.4	0.41271	0.002528 mg/L	0.41271	0.002528 mg/L	0.61%
V 292.402	24719.2	0.39728	0.000651 mg/L	0.39728	0.000651 mg/L	0.16%
Tl 190.800	186.0	0.20352	0.007783 mg/L	0.20352	0.007783 mg/L	3.82%
Zn 213.856	19634.7	0.42067	0.000878 mg/L	0.42067	0.000878 mg/L	0.21%
Na 330.237	6123.7	21.025	0.1131 mg/L	21.025	0.1131 mg/L	0.54%
Sr 407.771	34834.2					3.49%
K 404.721	1704.5	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: CCB4 Date: 11/18/96 9:32:54 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	358284.2	358284.2	0.969	mg/L		
1	Ag 328.068	680.4	702.3	0.01429	mg/L	0.01429	mg/L
1	Al 308.215	381.3	393.5	0.06543	mg/L	0.06543	mg/L
1	As 193.696	7.7	8.0	0.00272	mg/L	0.00272	mg/L
1	B 249.773	226.8	234.1	0.00203	mg/L	0.00203	mg/L
1	Ba 233.527	-3.0	-3.1	0.00019	mg/L	0.00019	mg/L
1	Be 313.042	664.9	686.3	0.00013	mg/L	0.00013	mg/L
1	Ca 315.887	1517.1	1565.9	0.10966	mg/L	0.10966	mg/L
1	Cd 214.438	137.8	142.2	0.00012	mg/L	0.00012	mg/L
1	Co 238.892	-55.5	-57.3	-0.00028	mg/L	-0.00028	mg/L
1	Cr 267.716	947.9	978.4	0.00393	mg/L	0.00393	mg/L
1	Cu 324.754	1725.8	1781.3	0.00089	mg/L	0.00089	mg/L
1	Fe 234.349	891.0	919.6	0.03748	mg/L	0.03748	mg/L
1	K 766.491	-5519.4	-5696.9	0.00840	mg/L	0.00840	mg/L
1	Mo 202.030	13.4	13.8	0.00340	mg/L	0.00340	mg/L
1	Mn 257.610	104.2	107.5	0.00026	mg/L	0.00026	mg/L
1	Mg 279.079	142.7	147.2	0.06780	mg/L	0.06780	mg/L
1	Ni 231.604	6.5	6.7	0.00122	mg/L	0.00122	mg/L
1	Pb 220.353	39.2	40.5	0.00503	mg/L	0.00503	mg/L
1	Sn 189.933	6.3	6.5	0.00002	mg/L	0.00002	mg/L
1	Se 196.026	23.4	24.1	0.01027	mg/L	0.01027	mg/L
1	Sb 206.833	25.2	26.0	0.00135	mg/L	0.00135	mg/L
1	V 292.402	-162.8	-168.0	-0.00069	mg/L	-0.00069	mg/L
1	Tl 190.800	-22.6	-23.4	0.00112	mg/L	0.00112	mg/L
1	Zn 213.856	474.8	490.1	0.00017	mg/L	0.00017	mg/L
1	Na 330.237	581.7	600.4	0.56451	mg/L	0.56451	mg/L
1	Sr 407.771	18610.2	19208.8				
1	K 404.721	3686.2	3804.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	360601.4	360601.4	0.975	mg/L		
2	Ag 328.068	521.5	534.8	0.01041	mg/L	0.01041	mg/L
2	Al 308.215	349.6	358.5	0.05546	mg/L	0.05546	mg/L
2	As 193.696	7.6	7.7	0.00210	mg/L	0.00210	mg/L
2	B 249.773	221.4	227.1	0.00174	mg/L	0.00174	mg/L
2	Ba 233.527	-7.3	-7.4	0.00005	mg/L	0.00005	mg/L
2	Be 313.042	626.0	641.9	0.00009	mg/L	0.00009	mg/L
2	Ca 315.887	1311.8	1345.3	0.09441	mg/L	0.09441	mg/L
2	Cd 214.438	142.3	145.9	0.00024	mg/L	0.00024	mg/L
2	Co 238.892	-52.1	-53.4	-0.00012	mg/L	-0.00012	mg/L
2	Cr 267.716	926.5	950.2	0.00345	mg/L	0.00345	mg/L
2	Cu 324.754	1699.5	1742.9	0.00058	mg/L	0.00058	mg/L
2	Fe 234.349	829.1	850.3	0.03160	mg/L	0.03160	mg/L
2	K 766.491	-5801.3	-5949.5	0.00754	mg/L	0.00754	mg/L
2	Mo 202.030	14.3	14.6	0.00356	mg/L	0.00356	mg/L
2	Mn 257.610	92.2	94.5	0.00019	mg/L	0.00019	mg/L
2	Mg 279.079	123.2	126.4	0.05793	mg/L	0.05793	mg/L
2	Ni 231.604	1.3	1.3	0.00044	mg/L	0.00044	mg/L
2	Pb 220.353	34.3	35.2	0.00285	mg/L	0.00285	mg/L
2	Sn 189.933	11.5	11.7	0.00422	mg/L	0.00422	mg/L
2	Se 196.026	20.4	20.9	0.00688	mg/L	0.00688	mg/L
2	Sb 206.833	21.4	22.0	-0.00347	mg/L	-0.00347	mg/L
2	V 292.402	-132.7	-136.1	-0.00018	mg/L	-0.00018	mg/L
2	Tl 190.800	-22.1	-22.6	0.00181	mg/L	0.00181	mg/L
2	Zn 213.856	472.8	484.9	0.00005	mg/L	0.00005	mg/L
2	Na 330.237	495.8	508.5	0.22373	mg/L	0.22373	mg/L
2	Sr 407.771	16210.0	16624.0				
2	K 404.721	3763.4	3859.5	0.00000	mg/L	0.00000	mg/L

Mean Data

ID: CCB4 Seq. No.: 53 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:32:54 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	359442.8	0.972	0.0044	mg/L				0.46%
Ag 328.068	618.6	0.01235	0.002743	mg/L	0.01235	0.002743	mg/L	22.20%
Al 308.215	376.0	0.06044	0.007051	mg/L	0.06044	0.007051	mg/L	11.67%
As 193.696	7.9	0.00241	0.000440	mg/L	0.00241	0.000440	mg/L	18.25%
B 249.773	230.6	0.00189	0.000200	mg/L	0.00189	0.000200	mg/L	10.59%
Ba 233.527	-5.3	0.00012	0.000094	mg/L	0.00012	0.000094	mg/L	79.28%
Be 313.042	664.1	0.00011	0.000031	mg/L	0.00011	0.000031	mg/L	28.22%
Ca 315.887	1455.6	0.10203	0.010786	mg/L	0.10203	0.010786	mg/L	10.57%
Cd 214.438	144.1	0.00018	0.000087	mg/L	0.00018	0.000087	mg/L	47.70%
Co 238.892	-55.4	-0.00020	0.000117	mg/L	-0.00020	0.000117	mg/L	58.87%
Cr 267.716	964.3	0.00369	0.000341	mg/L	0.00369	0.000341	mg/L	9.25%
Cu 324.754	1762.1	0.00074	0.000214	mg/L	0.00074	0.000214	mg/L	29.14%
Fe 234.349	885.0	0.03454	0.004155	mg/L	0.03454	0.004155	mg/L	12.03%
K 766.491	-5823.2	0.00797	0.000608	mg/L	0.00797	0.000608	mg/L	7.63%
Mo 202.030	14.2	0.00348	0.000107	mg/L	0.00348	0.000107	mg/L	3.09%
Mn 257.610	101.0	0.00022	0.000049	mg/L	0.00022	0.000049	mg/L	21.94%
Mg 279.079	136.8	0.06287	0.006981	mg/L	0.06287	0.006981	mg/L	11.10%
Ni 231.604	4.0	0.00083	0.000551	mg/L	0.00083	0.000551	mg/L	66.63%
Pb 220.353	37.8	0.00394	0.001543	mg/L	0.00394	0.001543	mg/L	39.16%
Sn 189.933	9.1	0.00212	0.002971	mg/L	0.00212	0.002971	mg/L	140.21%
Se 196.026	22.5	0.00857	0.002397	mg/L	0.00857	0.002397	mg/L	27.96%
Sb 206.833	24.0	-0.00106	0.003414	mg/L	-0.00106	0.003414	mg/L	322.12%
V 292.402	-152.1	-0.00044	0.000360	mg/L	-0.00044	0.000360	mg/L	82.48%
Tl 190.800	-23.0	0.00146	0.000483	mg/L	0.00146	0.000483	mg/L	33.00%
Zn 213.856	487.5	0.00011	0.000081	mg/L	0.00011	0.000081	mg/L	72.70%
Na 330.237	554.5	0.39412	0.240968	mg/L	0.39412	0.240968	mg/L	61.14%
Sr 407.771	17916.4							10.20%
K 404.721	3832.2	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: PBW:15172 Date: 11/18/96 9:36:19 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	356788.9	356788.9	0.965	mg/L		
1	Ag 328.068	175.4	181.8	0.00223	mg/L	0.00223	mg/L
1	Al 308.215	262.8	272.4	0.03095	mg/L	0.03095	mg/L
1	As 193.696	7.1	7.4	0.00115	mg/L	0.00115	mg/L
1	B 249.773	333.9	346.1	0.00652	mg/L	0.00652	mg/L
1	Ba 233.527	23.4	24.3	0.00103	mg/L	0.00103	mg/L
1	Be 313.042	541.2	560.9	0.00001	mg/L	0.00001	mg/L
1	Ca 315.887	5642.0	5847.9	0.40575	mg/L	0.40575	mg/L
1	Cd 214.438	131.0	135.8	-0.00009	mg/L	-0.00009	mg/L
1	Co 238.892	-50.2	-52.0	-0.00007	mg/L	-0.00007	mg/L
1	Cr 267.716	1058.5	1097.2	0.00597	mg/L	0.00597	mg/L
1	Cu 324.754	1964.8	2036.5	0.00290	mg/L	0.00290	mg/L
1	Fe 234.349	1035.0	1072.8	0.05046	mg/L	0.05046	mg/L
1	K 766.491	-1392.6	-1443.5	0.02289	mg/L	0.02289	mg/L
1	Mo 202.030	4.3	4.4	0.00159	mg/L	0.00159	mg/L
1	Mn 257.610	150.2	155.7	0.00052	mg/L	0.00052	mg/L
1	Mg 279.079	241.8	250.6	0.11675	mg/L	0.11675	mg/L
1	Ni 231.604	11.9	12.4	0.00204	mg/L	0.00204	mg/L
1	Pb 220.353	32.1	33.3	0.00208	mg/L	0.00208	mg/L
1	Sn 189.933	7.7	8.0	0.00129	mg/L	0.00129	mg/L
1	Se 196.026	19.7	20.4	0.00637	mg/L	0.00637	mg/L
1	Sb 206.833	24.6	25.5	0.00076	mg/L	0.00076	mg/L
1	V 292.402	-146.4	-151.7	-0.00043	mg/L	-0.00043	mg/L
1	Tl 190.800	-25.7	-26.7	-0.00207	mg/L	-0.00207	mg/L
1	Zn 213.856	579.9	601.1	0.00261	mg/L	0.00261	mg/L
1	Na 330.237	541.5	561.2	0.41926	mg/L	0.41926	mg/L
1	Sr 407.771	26931.4	27914.3				
1	K 404.721	3946.8	4090.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	358242.0	358242.0	0.969	mg/L		
2	Ag 328.068	171.0	176.6	0.00211	mg/L	0.00211	mg/L
2	Al 308.215	262.8	271.3	0.03064	mg/L	0.03064	mg/L
2	As 193.696	7.7	7.9	0.00265	mg/L	0.00265	mg/L
2	B 249.773	332.5	343.3	0.00641	mg/L	0.00641	mg/L

L Schaefer 10-10-96
ANALYST Date

10-11-96
REVIEW Date

L Schaefer 10-11-96
DATA ENTRY Date

Id. Lot #: AB395-SL1 ICS Lot #: AB395-S2 AD
ICV Lot #: AB395-SC SLH CCV Lot #: AB395-S1 CD
LCS & MS/MSD Lot #: 6906196908B

EVOLUTION by Micro-Active Australia Pty Ltd 10:47:10 AM October 10, 1996

INTENSITIES
Identity 1 : STD 01 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 10:39:50 AM October 10, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1
# 1	-0.030	0.059	1.122	Over-range	-0.172	1.403	-0.014
# 2	-0.016	0.059	1.132	Over-range	-0.147	1.394	-0.006
# 3	-0.037	0.057	1.117	Over-range	-0.169	1.370	-0.023
Mean	-0.028	0.058	1.124	Over-range	-0.163	1.389	-0.014
%RSD	38.648	1.979	0.680	n/a	8.392	1.228	59.337

	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
# 1	-0.004	0.033	-0.023	0.004	0.045	-0.002	-0.024
# 2	0.033	0.046	0.021	0.014	0.040	-0.002	-0.015
# 3	-0.015	0.030	0.016	0.000	0.027	-0.006	-0.033
Mean	0.005	0.036	0.004	0.006	0.037	-0.003	-0.024
%RSD	538.848	23.408	547.066	120.185	24.888	69.282	39.879

	Sb1	Tl1	V 1	Zn1
# 1	1.092	-0.005	-0.007	0.016
# 2	1.114	0.018	0.003	0.010
# 3	1.087	-0.015	-0.010	0.004
Mean	1.098	-0.001	-0.005	0.010
%RSD	1.309	2538.208	145.861	58.824

INTENSITIES
Identity 1 : STD 02 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 10:43:24 AM October 10, 1996

	Al1	Ba1	Be1	Cd1	Co1	Cr1	Cr2
# 1	19.989	267.707	215.826	202.967	110.179	18.880	185.838
# 2	20.041	268.535	216.899	203.824	111.025	19.061	186.808
# 3	20.074	269.414	219.008	205.644	111.496	19.133	188.465
Mean	20.035	268.552	217.244	204.145	110.900	19.025	187.037
%RSD	0.214	0.318	0.745	0.670	0.602	0.685	0.710

	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1	Sb1
# 1	110.229	201.400	29.844	763.169	56.536	28.281	21.154
# 2	110.586	202.766	29.902	766.916	56.637	28.275	21.119
# 3	110.887	203.985	29.985	772.161	57.221	28.372	21.295
Mean	110.567	202.717	29.910	767.415	56.798	28.309	21.189
%RSD	0.298	0.638	0.237	0.589	0.651	0.192	0.440

	Tl1	V 1	Zn1
# 1	10.822	69.118	177.614
# 2	10.892	69.340	178.218
# 3	10.993	69.856	179.594
Mean	10.902	69.438	178.476
%RSD	0.789	0.545	0.569

INTENSITIES
Identity 1 : STD 03 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 10:45:40 AM October 10, 1996

	Ag1
# 1	134.149
# 2	133.956
# 3	132.438
Mean	133.514
%RSD	0.702

EVOLUTION by Micro-Active Australia Pty Ltd 10:57:14 AM October 10, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LRV1 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 10:49:32 AM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.007	49.407	19.823	18.772	19.739	19.721	19.712
# 2	0.008 H	50.359 H	20.297	19.409 H	20.402 H	20.258 H	20.207
# 3	0.009	49.828 H	20.047	19.136 H	20.138	19.997	19.984
Mean	0.008	49.865 H	20.056	19.106 H	20.093	19.992	19.968
%RSD	11.456	0.956	1.182	1.673	1.663	1.343	1.241

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	19.701	19.807	49.245	49.418	19.671	19.706	19.860
# 2 H	20.285 H	20.249 H	50.599 H	50.436 H	20.238 H	20.276 H	20.310
# 3 H	20.046	19.981 H	50.177	49.874 H	20.000 H	20.038 H	20.078
Mean H	20.011 H	20.012 H	50.007	49.909	19.970 H	20.007 H	20.083
%RSD	1.468	1.112	1.385	1.022	1.425	1.432	1.120

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	19.804	19.562	19.726	19.729
# 2 H	20.258 H	20.305 H	20.299 H	20.215
# 3 H	20.015	19.989 H	20.015 H	20.031
Mean H	20.026	19.952 H	20.013	19.992
%RSD	1.136	1.868	1.432	1.227

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LRV2 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 10:53:12 AM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 H	20.235	0.022	0.007 L	-0.002	0.004	0.006 L	-0.002
# 2 H	20.511	0.029	0.007 L	-0.001	0.003	0.016	0.009
# 3 H	20.136	0.049	0.008 L	-0.001	0.008	0.015	0.000
Mean H	20.294	0.033	0.007 L	-0.001	0.005	0.012	0.002
%RSD	0.957	42.647	8.311	19.287	49.831	46.351	226.899

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.002	0.003	0.026	0.020	0.005 L	-0.006 L	-0.009
# 2	0.009	0.004	0.021	0.022	0.005 L	-0.004	0.038
# 3	0.009	0.006	0.023	0.038	0.005	0.002	0.004
Mean	0.007	0.004	0.023	0.027	0.005 L	-0.003	0.011
%RSD	60.663	33.803	11.736	38.017	0.276	145.127	221.340

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.108 L	-0.012	0.002	0.031
# 2	0.124 L	-0.037	0.004	0.032
# 3	0.139 L	-0.002	0.008	0.034
Mean	0.123 L	-0.017	0.005	0.032
%RSD	12.491	105.468	75.254	4.697

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 10:56:42 AM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

[illegible] by Micro-Active Australia Pty Ltd 11:04:08 AM October 10, 1996

EVOLUTION by Micro-Active Australia Pty Ltd 11:04:08 AM October 10, 1996

# 1	9.903	21.147 H	20.020	4.785	0.144	5.187	5.096
# 2	9.849	20.979	19.903	4.763	0.144	5.163	5.124
# 3	9.732	20.766	19.638	4.697	0.142	5.088	5.054
Mean	9.828	20.964	19.854	4.749	0.143	5.146	5.092
%RSD	0.890	0.910	0.988	0.968	0.730	1.009	0.695

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	5.133	5.134	22.510	24.359	5.119	5.196	5.142
# 2	5.113	5.099	22.403	24.232	5.096	5.160	5.089
# 3	5.048	5.036	22.167	23.956	5.029	5.105	5.017
Mean	5.098	5.090	22.360	24.183	5.081	5.154	5.083
%RSD	0.865	0.974	0.786	0.852	0.922	0.895	1.234

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	5.082	5.140	5.267	5.197
# 2	5.059	5.105	5.243	5.186
# 3	4.974	5.116	5.173	5.108
Mean	5.038	5.120	5.228	5.164
%RSD	1.126	0.347	0.929	0.939

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:00:10 AM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.171	25.692	0.002	Over-range	0.016	0.006	0.020
# 2	0.172	25.607	0.003	Over-range	0.016	0.006	0.009
# 3	0.173	25.674	0.002	Over-range	0.018	0.009	0.021
Mean	0.172	25.658	0.002	Over-range	0.017	0.007	0.017
%RSD	0.482	0.175	14.924	n/a	8.621	25.981	41.882

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.011	0.004	24.513	24.891	0.002	0.005 L	-0.018
# 2	0.013	0.007	24.472	24.846	0.002	0.007 L	-0.006
# 3	0.014	0.007	24.565	24.874	0.002	0.005 L	-0.003
Mean	0.013	0.006	24.517	24.870	0.002	0.006 L	-0.009
%RSD	10.252	21.209	0.189	0.092	12.306	17.368	91.821

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.047	0.070	0.010	0.007
# 2	0.051	0.035	0.011	0.006
# 3	0.064	0.049	0.012	0.006
Mean	0.054	0.051	0.011	0.006
%RSD	16.459	34.149	10.363	10.201

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVTL Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:03:42 AM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.006	0.009	0.000	Over-range	0.007	0.003	0.007
# 2	0.004	0.004 L	-0.000	Over-range	0.001 L	-0.005 L	-0.016
# 3	0.003 L	-0.006 L	-0.000	Over-range	0.000	0.001 L	-0.004
Mean	0.005	0.003 L	-0.000	Over-range	0.003 L	-0.000 L	-0.005
%RSD	30.659	305.508	173.205	n/a	146.581	900.260	254.146

Mean	0.005	0.003 L	-0.000	Over-range	0.003 L	-0.000 L	-0.000
%RSD	30.659	305.508	173.205	n/a	146.581	900.260	254.146

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	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.002	0.004	0.002	0.028	0.000	0.009	0.002
# 2 L	-0.002	0.003 L	-0.001	0.008	0.000	0.000	0.003
# 3 L	-0.007	0.002	0.009	0.008	0.000	0.012	0.001
Mean L	-0.004	0.003	0.003	0.015	0.000	0.007	0.002
%RSD	82.452	29.250	150.429	76.980	0.000	83.270	61.111

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.027	9.986	0.003 L	-0.001
# 2	0.026	9.931	0.002 L	-0.001
# 3	0.011	9.632	0.001 L	-0.002
Mean	0.022	9.849	0.002 L	-0.001
%RSD	41.325	1.934	57.735	55.482

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:07:12 AM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.001 L	-0.028 L	-0.001	Over-range	0.004	0.005	0.022
# 2 L	-0.005 L	-0.043 L	-0.002	Over-range	0.002 L	-0.003	0.018
# 3 L	-0.005 L	-0.041 L	-0.002	Over-range	0.005 L	-0.003	0.005
Mean L	-0.004 L	-0.038 L	-0.002	Over-range	0.003 L	-0.000	0.015
%RSD	58.874	21.430	37.750	n/a	49.125	2424.871	61.999

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.013 L	-0.002 L	-0.003 L	-0.028 L	-0.001 L	-0.012	0.025
# 2 L	-0.021 L	-0.005 L	-0.008 L	-0.055 L	-0.001 L	-0.014 L	-0.018
# 3 L	-0.020 L	-0.005	0.002 L	-0.054 L	-0.001 L	-0.021 L	-0.007
Mean L	-0.018 L	-0.004 L	-0.003 L	-0.046 L	-0.001 L	-0.015	0.000
%RSD	24.424	41.686	170.840	32.791	44.148	31.846	29277672.012

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.010	0.001	0.000 L	-0.002
# 2 L	-0.016	0.020 L	-0.004 L	-0.002
# 3 L	-0.015 L	-0.004 L	-0.004 L	-0.001
Mean L	-0.007	0.006 L	-0.003 L	-0.002
%RSD	222.615	226.404	102.208	22.613

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CRI Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:10:42 AM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.021	0.004 L	-0.001	0.001	0.013	0.100	0.033
# 2	0.021 L	-0.001 L	-0.001	0.001	0.013	0.101	0.049
# 3	0.026	0.034	0.001	0.002	0.016	0.111	0.036
Mean	0.022	0.013 L	-0.000	0.001	0.014	0.104	0.039
%RSD	13.106	151.438	220.964	38.425	11.231	6.065	21.262

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.012	0.048 L	-0.002 L	-0.002	0.030	0.077	0.030
# 2	0.007	0.048	0.001 L	-0.007	0.031	0.080	0.003
# 3	0.020	0.053	0.008	0.037	0.031	0.089	0.025
Mean	0.013	0.050	0.002	0.009	0.031	0.082	0.019

# 3	0.020	0.053	0.008	0.037	0.031	0.089	0.025
Mean	0.013	0.050	0.002	0.009	0.031	0.082	0.019

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%RSD	49.373	6.217	232.278	251.019	1.579	7.882	72.849

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.094	0.018	0.097	0.041
# 2	0.075	0.062	0.100	0.040
# 3	0.131	0.042	0.106	0.040
Mean	0.100	0.040	0.101	0.040
%RSD	28.362	54.613	4.495	0.854

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:14:12 AM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.007 H	496.358	0.006	Over-range	0.074	0.042 L	-0.012
# 2	0.006 H	501.667	0.006	Over-range	0.067	0.043 L	-0.013
# 3	0.004 H	500.468	0.005	Over-range	0.072	0.036 L	-0.018
Mean	0.005 H	499.498	0.006	Over-range	0.071	0.041 L	-0.014
%RSD	32.854	0.557	9.005	n/a	4.931	9.188	21.742

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.004	0.008 H	178.239 H	476.807	0.016 L	-0.017	0.001
# 2	0.002	0.007 H	180.531 H	483.080	0.016 L	-0.017 L	-0.045
# 3 L	-0.002	0.005 H	180.256 H	483.338	0.016 L	-0.015 L	-0.014
Mean	0.001	0.007 H	179.675 H	481.075	0.016 L	-0.016 L	-0.019
%RSD	234.240	24.996	0.697	0.769	2.936	6.702	121.310

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.091 L	-0.070	0.020	0.015
# 2 L	-0.099 L	-0.088	0.019	0.013
# 3 L	-0.135 L	-0.110	0.013	0.012
Mean L	-0.108 L	-0.089	0.017	0.013
%RSD	21.579	22.669	20.595	11.304

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSAB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:17:40 AM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.954 H	503.529	0.497	0.440	0.994	0.502	0.463
# 2	0.949 H	497.137	0.492	0.440	1.007	0.513	0.456
# 3	0.954 H	499.469	0.495	0.443	1.001	0.512	0.445
Mean	0.952 H	500.045	0.495	0.441	1.001	0.509	0.455
%RSD	0.280	0.647	0.508	0.355	0.650	1.149	1.956

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.457	0.488 H	179.200 H	485.102	0.487	0.916	0.865
# 2	0.468	0.486 H	178.227 H	478.424	0.481	0.923	0.872
# 3	0.468	0.488 H	179.189 H	481.041	0.486	0.930	0.935
Mean	0.464	0.488 H	178.872 H	481.522	0.485	0.923	0.890
%RSD	1.264	0.214	0.312	0.699	0.645	0.731	4.365

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.140 L	-0.098	0.485	0.962
# 2 L	-0.101 L	-0.129	0.488	0.960
# 3 L	-0.140 L	-0.093	0.491	0.967

# 1	L	-0.140	L	-0.098	0.485	0.962
# 2	L	-0.101	L	-0.129	0.488	0.960
# 3	L	-0.140	L	-0.093	0.491	0.967

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Mean L	-0.127 L	-0.106	0.488	0.963	
%RSD	17.757	18.372	0.561	0.354	

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:21:10 AM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.005	26.000	10.208	9.768	10.135	10.062	10.231
# 2	0.007	25.682	10.070	9.680	10.034	9.951	10.182
# 3	0.002	25.657	10.050	9.483	9.827	9.825	9.991
Mean	0.005	25.780	10.109	9.643	9.998	9.946	10.135
%RSD	56.919	0.742	0.852	1.515	1.571	1.190	1.248

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.284	10.030	25.118	22.983	10.100	10.141	10.091
# 2	10.181	9.903	24.844	22.682	9.977	10.046	9.964
# 3	10.013	9.870	24.509	22.607	9.839	9.845	9.821
Mean	10.160	9.934	24.824	22.758	9.972	10.011	9.959
%RSD	1.346	0.850	1.228	0.875	1.310	1.507	1.355

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	10.065	10.159	10.006	10.259
# 2	9.971	9.945	9.910	10.181
# 3	9.920	9.904	9.784	10.002
Mean	9.985	10.003	9.900	10.147
%RSD	0.740	1.370	1.128	1.302

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:24:42 AM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	10.167 L	-0.013	0.001	Over-range	0.001	0.002	0.001
# 2	10.029 L	-0.013	0.001	Over-range	0.000	0.000	0.009
# 3	10.121 L	-0.021 L	-0.000	Over-range L	-0.001	0.000	0.008
Mean	10.106 L	-0.016	0.000	Over-range	0.000	0.001	0.006
%RSD	0.696	27.348	166.654	n/a	260.165	108.253	66.824

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.002 L	-0.000	0.006	0.023	0.001 L	-0.006 L	-0.022
# 2 L	-0.001 L	-0.002	0.005	0.017	0.001 L	-0.011 L	-0.024
# 3 L	-0.006 L	-0.004	0.003 L	-0.003	0.000 L	-0.016 L	-0.033
Mean L	-0.001 L	-0.002	0.005	0.012	0.001 L	-0.011 L	-0.026
%RSD	278.242	92.962	30.883	113.545	66.508	43.091	21.356

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.094	0.053	0.001	0.017
# 2	0.094	0.060 L	-0.000	0.017
# 3	0.106	0.003 L	-0.003	0.017
Mean	0.098	0.039 L	-0.001	0.017
%RSD	7.050	80.294	303.109	1.360

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
EVOLUTION by Micro-Active Australia Pty Ltd 11:29:14 AM October 10, 1996

Spooler time : 11:28:14 AM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.005 L	-0.018 L	-0.000	Over-range L	-0.001	0.000 L	-0.002
# 2 L	-0.007 L	-0.028 L	-0.001	Over-range	0.002 L	-0.003	0.004
# 3 L	-0.004 L	-0.001 L	-0.000	Over-range	0.001	0.001	0.012
Mean L	-0.005 L	-0.016 L	-0.001	Over-range	0.000 L	-0.001	0.005
%RSD	37.642	87.912	107.555	n/a	281.033	330.719	151.328

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.007	0.001 L	-0.005	0.010 L	-0.001 L	-0.006 L	-0.006
# 2 L	-0.011 L	-0.002 L	-0.001 L	-0.012 L	-0.001 L	-0.011 L	-0.010
# 3 L	-0.005	0.003 L	-0.003	0.002 L	-0.000 L	-0.006	0.002
Mean L	-0.008	0.001 L	-0.003 L	-0.000 L	-0.001 L	-0.008 L	-0.005
%RSD	44.760	269.450	85.551539370693993.500		68.678	36.044	127.859

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.010	0.009 L	-0.000	0.001
# 2	0.008 L	-0.037 L	-0.006 L	-0.001
# 3	0.020	0.014 L	-0.000 L	-0.000
Mean	0.013 L	-0.005 L	-0.002 L	-0.000
%RSD	49.215	576.439	143.082	430.030

SEQUENCE SAMPLE LIST (Printed :- 11:40:00 AM October 10, 1996)

SEQUENCE : c:\win35\20076010\20076010.ssf

Position	Sample Identity 1	Sample Identity 2	Weight	Volume	Page : 1
STD1	STD 01				(STANDARD)
STD2	STD 02				(STANDARD)
STD3	STD 03				(STANDARD)
STD2	LRV1		1.00000	1.00	(UNKNOWN)
STD3	LRV2		1.00000	1.00	(UNKNOWN)
TUBE01	ICVA		1.00000	1.00	(UNKNOWN)
TUBE02	ICVB		1.00000	1.00	(UNKNOWN)
TUBE10	ICVTL		1.00000	1.00	(UNKNOWN)
TUBE03	ICB		1.00000	1.00	(UNKNOWN)
TUBE04	CRI		1.00000	1.00	(UNKNOWN)
TUBE05	ICSA		1.00000	1.00	(UNKNOWN)
TUBE06	ICSAB		1.00000	1.00	(UNKNOWN)
TUBE07	CCVA		1.00000	1.00	(UNKNOWN)
TUBE08	CCVB		1.00000	1.00	(UNKNOWN)
TUBE09	CCB		1.00000	1.00	(UNKNOWN)
TUBE65	PBS:14791	14791,LSS,,	0.50000	50.00	(UNKNOWN)
TUBE66	LCS:14791	14791,LSS,,	0.50000	50.00	(UNKNOWN)
TUBE67	10082-8	14791,LSS,,	0.50700	50.00	(UNKNOWN)
TUBE68	10082-8D	14791,LSS,,	0.51700	50.00	(UNKNOWN)
TUBE69	10082-8MS	14791,LSS,,	0.50700	50.00	(UNKNOWN)
TUBE70	10082-8MD	14791,LSS,,	0.51100	50.00	(UNKNOWN)
TUBE71	10082-8L	14791,LSS,,	0.50700	50.00	(UNKNOWN)
TUBE72	10082-1	14791,LSS,,	0.51800	50.00	(UNKNOWN)
TUBE73	10082-2	14791,LSS,,	0.50200	50.00	(UNKNOWN)
TUBE74	10082-3	14791,LSS,,	0.50300	50.00	(UNKNOWN)
TUBE75	CCVA	14791,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE76	CCVB	14791,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE77	CCB	14791,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE78	10082-4	14791,LSS,,	0.50100	50.00	(UNKNOWN)
TUBE79	10082-5	14791,LSS,,	0.51300	50.00	(UNKNOWN)
TUBE80	10082-6	14791,LSS,,	0.51300	50.00	(UNKNOWN)
TUBE81	10082-7	14791,LSS,,	0.50000	50.00	(UNKNOWN)
TUBE82	10082-9	14791,LSS,,	0.50700	50.00	(UNKNOWN)
TUBE83	10082-12	14791,LSS,,	0.51900	50.00	(UNKNOWN)
TUBE84	10082-13	14791,LSS,,	0.51400	50.00	(UNKNOWN)
TUBE85	10082-14	14791,LSS,,	0.51200	50.00	(UNKNOWN)
TUBE86	10082-15	14791,LSS,,	0.50900	50.00	(UNKNOWN)
TUBE87	CCVA	14791,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE88	CCVB	14791,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE89	CCB	14791,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE11	PBW:14739	14739,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE12	LCS:14739	14739,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE13	10814-2	14739,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE14	10814-2D	14739,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE15	10814-2MS	14739,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE16	10814-2MD	14739,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE17	10814-2L 1:5	14739,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE18	10809-1	14739,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE19	10809-3	14739,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE20	10809-4	14739,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE21	CCVA	14739,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE22	CCVB	14739,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE23	CCB	14739,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE24	10809-5	14739,LSS,,	100.0000	100.0	(UNKNOWN)
TUBE25	PBW:14704	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE26	LCS:14704	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE27	10481-2	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE28	10481-2D	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE29	10481-3MS	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE30	10481-4MD	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE31	10481-2L	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE32	10511-1	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE33	10511-2	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE34	CCVA	14704,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE35	CCVB	14704,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE36	CCB	14704,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE37	10511-3	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE38	10511-4	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE39	10511-5	14704,LSS,,	100.0000	100.00	(UNKNOWN)

Position	Sample Identity 1	Sample Identity 2	Weight	Volume	Page : 2
TUBE40	10511-6	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE41	10511-7	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE42	10511-8	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE43	10511-9	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE44	10528-3	14704,LSS,,	100.0000	100.00	(UNKNOWN)
TUBE45	CCVA	14704,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE46	CCVB	14704,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE47	CCB	14704,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE48	CRI	14704,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE49	ICSA	14704,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE50	ICSAB	14704,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE51	CCVA	14704,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE52	CCVB	14704,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE53	CCB	14704,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE54	PBW:14884	14884,LSS,,	45.0000	50.00	(UNKNOWN)
TUBE55	LCS:14884	14884,LSS,,	45.0000	50.00	(UNKNOWN)
TUBE56	11127-1	14884,LSS,,	45.0000	50.00	(UNKNOWN)
TUBE57	11127-1D	14884,LSS,,	45.0000	50.00	(UNKNOWN)
TUBE58	11127-1MS	14884,LSS,,	45.0000	50.00	(UNKNOWN)
TUBE59	11127-1MD	14884,LSS,,	45.0000	50.00	(UNKNOWN)
TUBE60	11049-1	14884,LSS,,	45.0000	50.00	(UNKNOWN)
TUBE61	11049-2	14884,LSS,,	45.0000	50.00	(UNKNOWN)
TUBE62	CCVA	14884,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE63	CCVB	14884,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE64	CCB	14884,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE90	RW	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE91	LCS	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE92	RWMS	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE93	RWMD	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE94	10652-7	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE95	10652-7D	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE96	11018-1	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE97	11018-2	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE98	11019-1	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE99	11021-1	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE100	CCVA	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE101	CCVB	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE102	CCB	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE103	11021-2	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE104	11021-3	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE105	11021-4	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE106	11021-5	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE107	11021-6	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE108	11022-1	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE109	11022-2	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE110	11022-3	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE111	ICSA	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE112	ICSAB	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE113	CCVA	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE114	CCVB	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE115	CCB	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE116	10982-1	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE117	10982-2	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE118	ICSA	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE119	ICSAB	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE120	CCVA	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE121	CCVB	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE122	CCB	101096DI,LSS,,	1.00000	1.00	(UNKNOWN)

EVOLUTION by Micro-Active Australia Pty Ltd 12:11:14 PM October 10, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 12:09:02 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.006	25.442	10.064	9.612	9.966	9.976	10.022
# 2	0.006	25.487	10.079	9.622	9.970	9.951	10.083
# 3	0.007	25.912	10.278	9.896	10.270	10.194	10.337
Mean	0.006	25.614	10.140	9.710	10.069	10.041	10.147
%RSD	4.504	1.014	1.180	1.658	1.730	1.330	1.647

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.114	9.862	24.652	22.564	9.951	9.966	9.827
# 2	10.127	9.870	24.713	22.567	9.946	9.996	10.002
# 3	10.402	10.049	25.253	22.923	10.184	10.176	10.108
Mean	10.214	9.927	24.873	22.685	10.027	10.046	9.979
%RSD	1.589	1.068	1.328	0.911	1.357	1.131	1.421

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	10.043	9.928	9.845	10.081
# 2	9.962	9.913	9.847	10.072
# 3	10.185	10.311	10.082	10.312

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 12:12:44 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	10.105	0.012	0.002	Over-range L	-0.001	0.003	0.035
# 2	10.013	0.027	0.002	Over-range	0.001	0.010	0.031
# 3	10.104	0.032	0.002 L	0.000	0.002	0.004	0.029
Mean	10.074	0.023	0.002	Over-range	0.000	0.006	0.032
%RSD	0.526	44.607	12.226	n/a	332.661	64.512	10.185

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.002	0.002	0.008	0.012	0.001 L	-0.009 L	-0.003
# 2 L	-0.001	0.003	0.010	0.013	0.001 L	-0.008 L	-0.009
# 3 L	-0.001	0.004	0.014	0.023	0.001 L	-0.000 L	-0.005
Mean L	-0.001	0.003	0.010	0.016	0.001 L	-0.006 L	-0.006
%RSD	66.583	40.182	27.109	39.165	3.160	83.566	51.591

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.066	0.027	0.004	0.008
# 2	0.108	0.014	0.006	0.007
# 3	0.085	0.023	0.006	0.008
Mean	0.086	0.021	0.005	0.008
%RSD	24.265	30.910	19.608	4.449

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 12:16:22 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.002 L	-0.021	0.000	Over-range	0.001	0.003	0.000
# 2	0.005	-0.014	0.001	Over-range	0.003	0.003	0.016

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.002 L	-0.021	0.000	Over-range	0.001	0.003	0.000
# 2	0.005	0.014	0.001	Over-range	0.003	0.003	0.016
# 3	0.005	0.007	0.001	Over-range	0.007	0.001	0.011
Mean	0.004 L	-0.000	0.001	Over-range	0.003	0.002	0.009
%RSD	46.840	302688432.847	72.224	n/a	83.686	62.422	88.120

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.006 L	-0.004	0.001 L	-0.013 L	-0.000 L	-0.002 L	-0.005
# 2	0.003	0.000	0.007	0.015	0.000 L	-0.001	0.029
# 3 L	-0.000 L	-0.002 L	-0.005	0.007	0.000	0.007	0.027
Mean L	-0.001 L	-0.002	0.001	0.003	0.000	0.001	0.017
%RSD	603.617	121.258	521.024	524.214	242.405	353.855	112.820

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.005	0.023	0.000 L	-0.000
# 2	0.008	0.040	0.006	0.001
# 3	0.022	0.032	0.003 L	-0.001
Mean	0.012	0.032	0.003 L	-0.000
%RSD	75.511	26.003	81.986	670.114

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : PBS:14791 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 12:19:58 PM October 10, 1996

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

[illegible] by Micro Active Australia Pty Ltd 12:27:12 PM October 10, 1996

EVOLUTION by Micro-Active Australia Pty Ltd 12:27:12 PM October 10, 1996

# 1	0.400	2.670	0.219	Over-range	0.525	0.128	1.085
# 2	0.519	4.422	0.287	Over-range	0.036	0.804	2.345
# 3	0.310	2.670	0.197	Over-range	0.339	0.438	0.349
Mean	0.410	3.254	0.234	Over-range	0.300	0.457	1.260
%RSD	25.679	31.088	19.931	n/a	82.301	74.081	80.123

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.403	0.338	1.713	16.218	0.129	0.047	1.118
# 2 L	-0.039	0.501	1.762	15.717	0.085	0.540	0.553
# 3 L	-0.339	0.320	2.256	15.884	0.056 L	-0.341 L	-1.706
Mean L	-0.260	0.386	1.910	15.940	0.090	0.082 L	-0.012
%RSD	74.579	25.817	15.706	1.602	40.693	539.547	12646.895

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	2.916	7.639	0.739	36.784
# 2	3.212	3.787	1.085	35.384
# 3	0.129	8.923	0.595	35.966
Mean	2.086	6.783	0.806	36.045
%RSD	81.562	39.408	31.203	1.952

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCS:14791 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 12:23:28 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	8.841	103.789	961.292	93.114	100.248	101.086	100.666
# 2	8.826	103.288	951.629	91.970	98.534	99.259	101.611
# 3	8.856	102.287	954.920	92.261	98.681	98.949	101.821
Mean	8.841	103.122	955.947	92.448	99.154	99.765	101.366
%RSD	0.170	0.742	0.514	0.643	0.958	1.157	0.607

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	101.387	101.613	98.593	105.670	101.451	101.803	103.363
# 2	100.457	100.635	97.236	104.834	100.719	102.050	97.151
# 3	101.387	100.853	98.346	104.333	101.018	101.733	104.563
Mean	101.077	101.033	98.058	104.946	101.063	101.862	101.692
%RSD	0.531	0.508	0.737	0.644	0.364	0.163	3.912

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	3.665	94.563	102.089	103.199
# 2	3.268	91.261	100.937	102.549
# 3	4.066	97.865	101.398	102.033
Mean	3.666	94.563	101.475	102.594
%RSD	10.880	3.492	0.571	0.569

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-8 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5070 Volume : 50.00
Spooler time : 12:26:58 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.062	1600.160	8.337 L	-0.610	2.092	4.719	4.949
# 2	0.033	1609.540	8.374 L	-0.628	1.821	5.223	6.190
# 3	0.175	1586.090	8.329 L	-0.602	2.063	5.007	6.101
Mean	0.090	1598.597	8.346 L	-0.613	1.992	4.983	5.747
%RSD	83.063	0.738	0.284	2.162	7.451	5.077	12.051

Mean	0.090	1598.597	0.346 L	-0.613	1.992	4.983	5.747
%RSD	83.063	0.738	0.284	2.162	7.451	5.077	12.051

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	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	4.211	4.277	4782.135 H	25689.581	226.635	6.028	6.514
# 2	4.464	4.330	4789.725 H	25728.165	226.704	5.750	7.836
# 3	4.464	4.384	4728.838 H	25410.749	224.923	6.035	5.332
Mean	4.380	4.330	4766.899 H	25609.498	226.087	5.938	6.560
%RSD	3.336	1.236	0.696	0.676	0.446	2.743	19.098

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	6.155 L	-5.683	5.870	17.232
# 2	5.749 L	-7.140	5.898	17.164
# 3	5.587 L	-6.510	5.984	16.962
Mean	5.830 L	-6.444	5.917	17.120
%RSD	5.024	11.346	0.999	0.819

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-8D Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5170 Volume : 50.00
Spooler time : 12:30:28 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.020	1502.155	8.891	Over-range	1.701	4.469	4.907
# 2 L	-0.287	1490.052	8.740	Over-range	1.370	4.186	4.710
# 3 L	-0.344	1496.830	8.797	Over-range	1.502	4.204	3.894
Mean L	-0.217	1496.346	8.809	Over-range	1.524	4.286	4.503
%RSD	79.514	0.405	0.870	n/a	10.942	3.693	11.928

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	3.323	4.614 H	5033.131 H	24039.910	220.623	5.398	5.423
# 2	2.610	4.422 H	4975.021 H	23907.153	218.044	4.039	1.124
# 3	2.372	4.457 H	4987.116 H	23978.625	218.183	4.786	2.557
Mean	2.768	4.497 H	4998.423 H	23975.229	218.950	4.741	3.035
%RSD	17.887	2.280	0.613	0.277	0.662	14.358	72.138

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	6.711 L	-5.256	5.144	17.768
# 2	3.744 L	-5.752	4.475	17.321
# 3	4.312 L	-5.062	4.503	17.427
Mean	4.923 L	-5.356	4.707	17.505
%RSD	31.992	6.642	8.034	1.335

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-8MS Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5070 Volume : 50.00
Spooler time : 12:34:02 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	8.407	2045.953	941.551	86.232	90.242	94.629	95.884
# 2	8.426	2012.630	923.526	84.540	90.020	92.089	95.386
# 3	8.327	2030.156	932.214	85.338	90.088	93.350	96.100
Mean	8.387	2029.580	932.430	85.370	90.117	93.356	95.790
%RSD	0.627	0.821	0.967	0.992	0.126	1.360	0.382

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	95.126	99.228	4927.254 H	23960.200	307.830	95.592	92.831
# 2	93.554	97.765	4824.187 H	23534.450	302.610	94.317	93.600
# 3	94.314	98.354	4866.635 H	23763.649	304.515	94.798	94.364
Mean	94.331	98.449	4872.692 H	23752.767	304.985	94.902	93.598

3	94.314	98.354	4866.635 H	23763.649	304.515	94.798	94.364
Mean	94.331	98.449	4872.692 H	23752.767	304.985	94.902	93.598

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%RSD	0.833	0.748	1.063	0.897	0.866	0.678	0.819

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	5.018	74.028	100.055	109.977
# 2	4.478	72.156	98.066	108.687
# 3	6.906	78.243	98.776	110.217
Mean	5.467	74.809	98.966	109.627
%RSD	23.324	4.168	1.018	0.751

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-8MD Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5110 Volume : 50.00
Spooler time : 12:37:32 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	8.288	1845.033	915.192	83.869	89.411	92.620	92.233
# 2	8.193	1872.952	932.330	85.384	91.701	93.156	92.523
# 3	8.488	1871.483	932.330	86.039	91.567	95.336	93.142
Mean	8.323	1863.156	926.617	85.098	90.893	93.704	92.633
%RSD	1.815	0.843	1.068	1.308	1.413	1.535	0.501

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	92.812	96.097	4647.927 H	24249.704	287.802	92.384	92.525
# 2	93.450	97.779	4723.856 H	24640.710	292.649	93.339	94.734
# 3	94.967	97.796	4751.369 H	24599.973	293.830	96.062	95.907
Mean	93.743	97.224	4707.717 H	24496.796	291.427	93.929	94.389
%RSD	1.181	1.004	1.138	0.877	1.096	2.032	1.819

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	4.857	69.728	96.256	107.990
# 2	4.038	75.005	98.285	109.340
# 3	7.351	83.632	98.680	109.786
Mean	5.416	76.122	97.740	109.039
%RSD	31.870	9.220	1.330	0.858

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-8L Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5070 Volume : 50.00
Spooler time : 12:41:06 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.446	353.634	1.913	Over-range	0.933	1.711	1.323
# 2	0.682	353.141	1.942	Over-range	0.721	1.909	3.914
# 3	0.577	348.945	1.920	Over-range	0.663	1.351	1.118
Mean	0.568	351.907	1.925	Over-range	0.772	1.657	2.118
%RSD	20.764	0.732	0.798	n/a	18.428	17.083	73.565

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.415	1.368	1107.661 H	5698.151	52.091	2.028	2.153
# 2	0.721	1.547	1099.707 H	5668.800	51.994	2.272	2.919
# 3	0.541	1.475	1091.606 H	5635.822	51.436	2.169	3.894
Mean	0.559	1.463	1099.658 H	5667.591	51.840	2.156	2.988
%RSD	27.494	6.138	0.730	0.550	0.682	5.674	29.196

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	1.582	1.990	1.666	4.097
# 2	0.895	0.370	2.121	4.043
# 3	3.061	1.283	2.064	3.890

# 1	1.582	1.990	1.666	4.097
# 2	0.895	0.370	2.121	4.043
# 3	3.061	1.283	2.064	3.890

Mean	1.846	1.214	1.950	4.010
%RSD	59.962	66.897	12.696	2.689

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-1 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5180 Volume : 50.00
Spooler time : 12:44:44 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.495 H	14236.502	127.154 L	-0.079	7.310	10.559	21.488
# 2	0.417 H	14027.521	125.111 L	-0.105	6.980	9.925	21.697
# 3	0.284 H	14103.624	125.977 L	-0.096	6.989	10.260	23.114
Mean	0.399 H	14122.549	126.081 L	-0.093	7.093	10.248	22.100
%RSD	26.794	0.749	0.813	13.887	2.654	3.098	4.003

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	21.184	25.634 H	19794.321 H	9599.305	453.029	22.552	35.422
# 2	20.699	25.127 H	19444.845 H	9465.997	444.925	23.335	28.617
# 3	20.492	25.285 H	19561.298 H	9518.933	447.557	22.417	32.021
Mean	20.791	25.349 H	19600.155 H	9528.078	448.504	22.768	32.020
%RSD	1.708	1.023	0.908	0.704	0.922	2.178	10.626

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.526 L	-4.135	23.120	115.820
# 2 L	-0.127 L	-4.807	22.509	113.919
# 3 L	-0.334 L	-5.884	22.731	114.477
Mean L	-0.329 L	-4.942	22.787	114.739
%RSD	60.640	17.847	1.359	0.852

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-2 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5020 Volume : 50.00
Spooler time : 12:48:16 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.279	3872.465	44.554 L	-0.520	5.086	5.621	8.064
# 2	0.132	3875.706	44.688 L	-0.538	5.008	6.512	8.060
# 3	0.228	3854.267	44.435 L	-0.520	5.028	6.166	7.129
Mean	0.213	3867.479	44.559 L	-0.526	5.041	6.100	7.751
%RSD	35.026	0.299	0.284	1.925	0.805	7.367	6.950

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	7.214	8.789 H	12328.161 H	29752.247	363.526	11.191	5.964
# 2	6.724	8.807 H	12349.240 H	29835.514	365.563	10.207	5.120
# 3	7.171	8.825 H	12264.138 H	29609.361	362.477	10.177	5.544
Mean	7.037	8.807 H	12313.847 H	29732.374	363.855	10.525	5.542
%RSD	3.857	0.205	0.360	0.385	0.431	5.481	7.616

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	5.226 L	-9.351	10.403	27.181
# 2	4.527 L	-4.076	10.145	27.022
# 3	5.550 L	-6.754	9.973	27.022
Mean	5.101 L	-6.727	10.174	27.075
%RSD	10.246	39.212	2.129	0.339

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-3 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5030 Volume : 50.00

DILUTION CORRECTED CONCENTRATIONS

Identity 1 : 10082-3 Identity 2 : 14791,LSS,, Type : SAMPLE

Weight : 0.5030 Volume : 50.00

EVOLUTION by Micro-Active Australia Pty Ltd 12:52:16 PM October 10, 1996

Spooler time : 12:51:54 PM October 10, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	L	-0.249	1822.624	8.864	Over-range	2.682	4.593	4.778
# 2	L	-0.320	1836.557	8.908	Over-range	2.935	4.647	5.713
# 3	L	-0.148	1813.418	8.827	Over-range	2.118	5.301	7.289
Mean	L	-0.239	1824.200	8.866	Over-range	2.579	4.847	5.927
%RSD		36.000	0.639	0.462	n/a	16.228	8.128	21.413

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	4.436	6.181 H	5276.374 H	14719.570	252.308	8.073	4.940
# 2	4.298	6.073 H	5313.790 H	14816.134	253.899	7.966	3.395
# 3	4.362	6.181 H	5239.399 H	14610.707	251.772	7.726	5.642
Mean	4.365	6.145 H	5276.521 H	14715.470	252.660	7.922	4.659
%RSD	1.584	1.014	0.705	0.698	0.438	2.246	24.674

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	2.536 L	-1.744	5.487	21.104
# 2	4.495 L	-2.682	5.287	20.876
# 3	1.857 L	-3.719	5.459	20.775
Mean	2.962 L	-2.715	5.411	20.918
%RSD	46.239	36.403	2.003	0.806

EVOLUTION by Micro-Active Australia Pty Ltd 1:03:12 PM October 10, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 12:55:26 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.008	25.702	10.065	9.473	9.815	9.843	10.032
# 2	0.010	25.514	9.970	9.431	9.805	9.791	9.903
# 3	0.005	25.905	10.154	9.538	9.904	9.930	10.058
Mean	0.007	25.707	10.063	9.481	9.841	9.855	9.998
%RSD	34.744	0.760	0.911	0.567	0.558	0.716	0.829

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.046	9.892	24.597	22.778	9.870	9.851	9.984
# 2	9.995	9.808	24.429	22.549	9.803	9.782	9.869
# 3	10.101	9.973	24.668	22.940	9.922	9.899	9.935
Mean	10.047	9.891	24.565	22.755	9.865	9.844	9.929
%RSD	0.525	0.834	0.500	0.864	0.600	0.598	0.585

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	9.979	9.899	9.788	10.025
# 2	9.925	9.730	9.743	9.984
# 3	9.994	9.871	9.863	10.066
Mean	9.966	9.833	9.798	10.025
%RSD	0.365	0.920	0.622	0.406

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 12:58:58 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	10.082 L	-0.001	0.002	Over-range	0.008	0.004	0.019
# 2	10.094 L	-0.018	0.000	Over-range	0.007	0.007	0.022
# 3	10.157 L	-0.016	0.001	Over-range	0.006 L	-0.001	0.011
Mean	10.111 L	-0.012	0.001	Over-range	0.007	0.003	0.018
%RSD	0.396	81.127	78.379	n/a	15.089	121.553	34.119

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.004	0.001	0.003	0.023	0.001 L	-0.003	0.021
# 2 L	-0.006 L	-0.003	0.008 L	-0.012 L	-0.001 L	-0.005 L	-0.015
# 3 L	-0.002 L	-0.001	0.004	0.005 L	-0.000 L	-0.006 L	-0.012
Mean L	-0.001 L	-0.001	0.005	0.006 L	-0.000 L	-0.005 L	-0.002
%RSD	356.520	165.227	56.442	315.119	994.535	23.493	1215.370

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.085	0.056	0.006	0.008
# 2	0.090	0.001 L	-0.000	0.008
# 3	0.083	0.018	0.003	0.008
Mean	0.086	0.025	0.003	0.008
%RSD	4.181	112.633	112.543	0.005

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:02:30 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 1:03:16 PM October 10, 1996							
# 1 L	-0.003 L	-0.011 L	-0.001	Over-range	0.001 L	-0.006 L	-0.002
# 2 L	-0.004 L	-0.021 L	-0.002	Over-range	0.003 L	-0.000 L	-0.002
# 3 L	-0.002 L	-0.006 L	-0.001	Over-range	0.000 L	-0.002 L	-0.004
Mean L	-0.003 L	-0.013 L	-0.001	Over-range	0.002 L	-0.003 L	-0.002
%RSD	43.197	61.101	44.681	n/a	92.919	102.632	49.499

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.007 L	-0.001	0.001	0.005 L	-0.000 L	-0.011 L	-0.009
# 2 L	-0.006 L	-0.002	0.002 L	-0.010	0.000 L	-0.012 L	-0.023
# 3	0.000	0.000 L	-0.005	0.010	0.000 L	-0.008	0.009
Mean L	-0.004 L	-0.001 L	-0.001	0.002	0.000 L	-0.010 L	-0.008
%RSD	91.914	119.208	552.555	624.500	93.610	23.203	216.237

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.007	0.060 L	-0.002 L	-0.002
# 2	0.004	0.020 L	-0.004 L	-0.001
# 3 L	-0.005	0.010	0.002 L	-0.000
Mean L	-0.002	0.030 L	-0.002 L	-0.001
%RSD	253.518	87.945	208.791	78.974

EVOLUTION by Micro-Active Australia Pty Ltd 1:13:12 PM October 10, 1996

EVOLUTION by Micro-Active Australia Pty Ltd 1:13:12 PM October 10, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-4 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5010 Volume : 50.00
Spooler time : 1:06:00 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.415 H	15549.907	116.257 L	-0.143	8.838	10.189	27.229
# 2	0.638 H	15365.557	115.056 L	-0.108	8.506	10.262	27.864
# 3	0.874 H	15282.375	114.623 L	-0.100	8.467	10.772	27.763
Mean	0.642 H	15399.280	115.312 L	-0.[illegible]	[illegible]	10.407	27.618
%RSD	35.793	0.889	0.734	19.843	2.371	3.054	1.235

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	28.444	47.596 H	19346.827 H	12612.075	426.711	23.068	40.950
# 2	28.882	47.289 H	19193.183 H	12486.425	423.267	23.492	36.304
# 3	29.384	47.217 H	19163.514 H	12397.318	423.137	23.319	41.166
Mean	28.903	47.367 H	19234.508 H	12498.606	424.372	23.293	39.473
%RSD	1.626	0.425	0.512	0.863	0.478	0.915	6.958

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.158 L	-7.576	26.808	241.289
# 2	0.208 L	-4.979	26.779	239.285
# 3 L	-0.466 L	-2.757	26.865	238.719
Mean L	-0.139 L	-5.104	26.817	239.764
%RSD	243.146	47.255	0.164	0.563

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-5 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5130 Volume : 50.00
Spooler time : 1:09:32 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.509	2091.058	17.380	Over-range	2.964	4.112	5.786
# 2	0.553	2084.471	17.314	Over-range	2.706	4.468	5.071
# 3	0.441	2100.816	17.438	Over-range	2.687	4.112	5.166
Mean	0.501	2092.115	17.377	Over-range	2.786	4.231	5.341
%RSD	11.274	0.393	0.357	n/a	5.547	4.858	7.266

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	5.913	6.572 H	5837.423 H	19373.345	213.734	5.463	4.758
# 2	5.840	6.572 H	5838.601 H	19333.908	214.240	5.326	7.922
# 3	5.413	6.502 H	5885.914 H	19477.642	215.142	5.083	5.513
Mean	5.722	6.549 H	5853.979 H	19394.965	214.372	5.291	6.064
%RSD	4.723	0.622	0.473	0.383	0.333	3.637	27.254

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	2.531 L	-3.784	8.187	23.902
# 2	2.638 L	-6.276	8.300	23.902
# 3	2.711 L	-3.634	8.159	23.994
Mean	2.626 L	-4.565	8.215	23.933
%RSD	3.444	32.511	0.904	0.222

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-6 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5130 Volume : 50.00
Spooler time : 1:13:04 PM October 10, 1996

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

Formation by Micro-Active Australia Pty Ltd 1:20:12 PM October 10, 1996

EVOLUTION by Micro-Active Australia Pty Ltd 1:20:12 PM October 10, 1996

# 1	0.259	2286.704	21.994 L	-0.612	2.974	4.770	5.863
# 2	0.386	2271.579	21.884 L	-0.603	2.993	4.877	5.051
# 3	0.247	2285.972	22.081 L	-0.612	3.327	5.002	5.555
Mean	0.297	2281.418	21.986 L	-0.609	3.098	4.883	5.490
%RSD	25.998	0.374	0.448	0.813	6.409	2.372	7.468

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	6.476	8.212 H	6689.795 H	19915.197	233.012	5.694	7.935
# 2	6.705	8.212 H	6649.983 H	19762.501	231.676	6.624	8.418
# 3	7.049	8.283 H	6715.326 H	19922.530	233.825	7.067	7.866
Mean	6.743	8.236 H	6685.034 H	19866.742	232.838	6.462	8.073
%RSD	4.279	0.495	0.493	0.455	0.466	10.843	3.725

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	2.829 L	-4.649	8.328	29.835
# 2	2.560 L	-0.495	8.272	29.054
# 3	2.733 L	-7.512	8.552	29.996
Mean	2.708 L	-4.219	8.384	29.628
%RSD	5.038	83.633	1.772	1.700

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-7 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 1:16:32 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.536 H	6925.534	90.756 L	-0.390	6.908	7.725	29.824
# 2	0.597 H	7031.408	92.506 L	-0.381	6.272	7.579	30.653
# 3	0.418 H	6943.806	91.137 L	-0.416	6.507	8.072	30.871
Mean	0.517 H	6966.916	91.466 L	-0.396	6.562	7.792	30.449
%RSD	17.660	0.812	1.006	4.626	4.903	3.250	1.815

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	27.817	36.400 H	15370.733 H	14476.664	395.906	20.088	36.088
# 2	28.148	37.033 H	15679.430 H	14704.892	404.022	20.190	39.680
# 3	27.635	36.617 H	15383.092 H	14540.200	396.354	20.016	34.534
Mean	27.867	36.684 H	15477.751 H	14573.919	398.760	20.098	36.767
%RSD	0.934	0.877	1.129	0.808	1.144	0.434	7.178

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.644 L	-3.507	13.584	130.829
# 2	1.784 L	-1.002	14.016	133.187
# 3	0.916 L	-2.057	13.584	132.116
Mean	1.115 L	-2.189	13.728	132.044
%RSD	53.444	57.452	1.817	0.894

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-9 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5070 Volume : 50.00
Spooler time : 1:20:06 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.088	1306.916	8.108	Over-range	1.541	4.251	5.431
# 2 L	-0.298	1302.226	8.005	Over-range	1.126	3.080	4.397
# 3 L	-0.518	1314.321	8.005	Over-range	1.455	2.540	4.493
Mean L	-0.302	1307.821	8.039	Over-range	1.374	3.290	4.774
%RSD	71.373	0.466	0.742	n/a	15.934	26.585	11.974

Mean L	-0.302	1307.821	8.039	Over-range	1.374	3.290	4.774
%RSD	71.373	0.466	0.742	n/a	15.934	26.585	11.974

EVOLUTION by Micro-Active Australia Pty Ltd 1:27:14 PM October 10, 1996

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	3.515	4.830	4318.007 H	22003.269	196.917	5.076	5.203
# 2	3.389	4.580	4281.301 H	21967.982	195.012	4.903	7.292
# 3	2.882	4.402	4296.529 H	22140.459	196.030	4.205	2.697
Mean	3.262	4.604	4298.612 H	22037.237	195.987	4.728	5.064
%RSD	10.264	4.673	0.429	0.413	0.486	9.761	45.429

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	2.850 L	-4.668	4.819	17.511
# 2	1.483 L	-8.638	4.308	17.040
# 3 L	-0.204 L	-9.229	4.194	17.149
Mean	1.376 L	-7.512	4.440	17.233
%RSD	111.156	33.016	7.496	1.429

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-12 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5190 Volume : 50.00
Spooler time : 1:23:36 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.057	2702.025	24.521 L	-0.613	3.175	4.715	9.796
# 2	0.063	2682.252	24.254 L	-0.613	3.100	4.416	8.691
# 3	0.288	2694.067	24.535 L	-0.605	3.335	5.085	9.900
Mean	0.136	2692.781	24.436 L	-0.610	3.203	4.739	9.462
%RSD	96.677	0.369	0.648	0.802	3.759	7.067	7.079

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	8.193	12.981 H	6502.140 H	18524.873	161.044	9.286	23.963
# 2	8.214	12.807 H	6419.398 H	18340.921	158.681	9.155	22.401
# 3	8.801	13.051 H	6500.049 H	18459.314	161.207	8.677	24.099
Mean	8.403	12.946 H	6473.862 H	18441.703	160.310	9.039	23.488
%RSD	4.107	0.971	0.729	0.506	0.882	3.545	4.017

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	2.540 L	-8.871	7.038	47.140
# 2	3.432 L	-6.876	6.844	46.470
# 3	0.250 L	-1.607	7.094	46.686
Mean	2.074 L	-5.785	6.992	46.765
%RSD	79.147	64.872	1.875	0.730

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-13 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5140 Volume : 50.00
Spooler time : 1:27:10 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.935	4042.840	46.962 L	-0.482	3.720	6.431	16.473
# 2	0.865	4152.403	48.388 L	-0.456	4.225	6.555	19.925
# 3	0.904	4179.916	48.897 L	-0.448	4.015	6.627	20.942
Mean	0.901	4125.053	48.083 L	-0.462	3.987	6.538	19.113
%RSD	3.862	1.758	2.086	3.855	6.360	1.513	12.255

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	18.571	20.746 H	8771.996 H	17804.019	200.568	14.138	22.011
# 2	19.133	21.310 H	9095.439 H	18293.257	208.129	13.614	24.818
# 3	19.539	21.503 H	9189.809 H	18389.869	210.760	14.331	24.197
Mean	19.081	21.186 H	9019.081 H	18162.382	206.486	14.028	23.675

3	19.539	21.503 H	9189.809 H	18389.869	210.760	14.331	24.197
Mean	19.081	21.186 H	9019.081 H	18162.382	206.486	14.028	23.675

EVOLUTION by Micro-Active Australia Pty Ltd 1:35:16 PM October 10, 1996

%RSD	2.546	1.856	2.430	1.729	2.562	2.646	6.228

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	4.145 L	-5.321	9.544	88.443
# 2	1.662 L	-3.315	9.740	91.737
# 3	2.009 L	-2.628	10.133	93.817
Mean	2.605 L	-3.755	9.806	91.332
%RSD	51.604	37.275	3.055	2.967

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-14 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5120 Volume : 50.00
Spooler time : 1:30:52 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.196	4548.681	56.326 L	-0.484	5.388	8.543	9.040
# 2	0.311	4619.074	57.568 L	-0.458	5.876	8.810	7.286
# 3	0.384	4619.074	57.604 L	-0.450	5.953	9.470	8.417
Mean	0.297	4595.610	57.166 L	-0.464	5.739	8.941	8.248
%RSD	31.877	0.884	1.273	3.855	5.331	5.339	10.779

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	7.219	29.645 H	15387.684 H	11465.272	316.731	12.465	20.894
# 2	7.846	30.263 H	15806.834 H	11675.578	325.725	13.047	23.365
# 3	7.930	30.016 H	15799.318 H	11634.268	325.226	12.670	23.296
Mean	7.665	29.975 H	15664.612 H	11591.706	322.561	12.727	22.518
%RSD	5.064	1.038	1.531	0.961	1.567	2.318	6.249

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	2.478 L	-2.691	10.453	50.100
# 2	3.640 L	-2.928	10.819	51.096
# 3	2.085	1.920	10.847	51.633
Mean	2.734 L	-1.233	10.707	50.943
%RSD	29.575	221.653	2.052	1.527

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10082-15 Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 0.5090 Volume : 50.00
Spooler time : 1:34:22 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.486	3624.014	32.444 L	-0.573	2.930	4.808	7.138
# 2	0.411	3671.221	32.900 L	-0.547	2.603	5.866	10.016
# 3	0.348	3660.157	32.789 L	-0.573	3.189	5.095	6.614
Mean	0.415	3651.797	32.711 L	-0.565	2.907	5.256	7.922
%RSD	16.608	0.676	0.726	2.651	10.110	10.414	23.122

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	7.010	9.024 H	6932.602 H	18061.197	244.526	6.655	9.102
# 2	7.209	9.112 H	7062.984 H	18302.635	249.124	7.065	9.792
# 3	6.821	8.810 H	7027.269 H	18235.624	247.918	6.513	8.198
Mean	7.013	8.982 H	7007.619 H	18199.818	247.189	6.744	9.031
%RSD	2.771	1.729	0.961	0.685	0.964	4.249	8.851

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	3.286 L	-2.691	9.100	29.688
# 2	1.653 L	-2.037	9.242	30.574
# 3	3.038 L	-4.181	9.072	30.226

# 1	3.286 L	-2.691	9.100	29.688
# 2	1.653 L	-2.037	9.242	30.574
# 3	3.038 L	-4.181	9.072	30.226

EVALUATION by MicroNative Australia Pty Ltd 1:45:16 PM October 10, 1996

Mean	2.659 L	-2.970	9.138	30.163
%RSD	33.099	36.996	0.995	1.479

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:37:56 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.002	25.802	10.130	9.603	9.966	9.950	10.068
# 2	0.001	25.837	10.160	9.610	10.017	9.922	10.061
# 3	0.001	25.747	10.129	9.571	9.950	9.905	10.087
Mean	0.002	25.795	10.140	9.595	9.978	9.926	10.072
%RSD	30.232	0.176	0.177	0.214	0.351	0.227	0.135

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.123	9.941	24.897	22.739	9.948	9.936	10.039
# 2	10.132	9.962	25.027	22.828	9.958	9.974	9.976
# 3	10.097	9.925	24.868	22.761	9.918	9.916	9.980
Mean	10.118	9.943	24.930	22.776	9.941	9.942	9.998
%RSD	0.179	0.184	0.339	0.203	0.206	0.295	0.355

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	10.107	9.926	9.898	10.137
# 2	10.117	10.011	9.889	10.124
# 3	10.087	10.000	9.850	10.085
Mean	10.104	9.979	9.879	10.115
%RSD	0.155	0.460	0.259	0.268

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:41:34 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	10.074	0.002 L	-0.000	Over-range	0.004 L	-0.005	0.012
# 2	10.058 L	-0.003 L	-0.000	Over-range	0.005 L	-0.003	0.025
# 3	10.087 L	-0.003 L	-0.000	Over-range	0.002	0.002	0.025
Mean	10.073 L	-0.002 L	-0.000	Over-range	0.004 L	-0.002	0.020
%RSD	0.144	173.195	83.887	n/a	34.212	170.171	35.839

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.008	0.004	0.022	0.037	0.001	0.002	0.006
# 2	0.006	0.005	0.013	0.037	0.001	0.010	0.033
# 3	0.004	0.004	0.017	0.032	0.001	0.004 L	-0.000
Mean	0.006	0.004	0.017	0.035	0.001	0.005	0.013
%RSD	37.266	13.235	27.702	8.248	20.939	73.141	138.425

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.078	0.036	0.010	0.007
# 2	0.076	0.014	0.011	0.006
# 3	0.084 L	-0.002	0.008	0.008
Mean	0.079	0.016	0.010	0.007
%RSD	5.227	121.635	14.851	8.862

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14791,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00

EVOLUTION by Micro-Active Australia Pty Ltd 1:53:14 PM October 10, 1996

Spooler time : 1:45:12 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.000 L	-0.008 L	-0.001	Over-range	0.009	0.003	0.013
# 2 L	-0.000 L	-0.011 L	-0.001	Over-range	0.007	0.000	0.029
# 3	0.004	0.004	0.000	Over-range	0.011 L	-0.007	0.029
Mean	0.001 L	-0.005 L	-0.000	Over-range	0.009 L	-0.001	0.023
%RSD	194.596	160.725	143.270	n/a	17.750	365.528	38.778

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.011	0.001	0.013	0.013 L	-0.000	0.002 L	-0.009
# 2	0.010	0.000	0.009	0.002	0.000 L	-0.005 L	-0.011
# 3	0.013	0.003	0.016	0.025	0.001	0.004 L	-0.010
Mean	0.011	0.001	0.013	0.013	0.000	0.000 L	-0.010
%RSD	11.784	97.241	27.618	87.500	166.420	4044.961	10.910

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.012	0.060	0.003 L	-0.000
# 2	0.007	0.042	0.005 L	-0.002
# 3	0.026	0.062	0.007 L	-0.001
Mean	0.015	0.054	0.005 L	-0.001
%RSD	64.125	20.500	40.522	76.627

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : PBW:14739 ,Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 1:48:52 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.003	0.039	0.000	Over-range	0.007	0.007	0.038
# 2	0.004	0.049	0.001	Over-range	0.008	0.002	0.027
# 3	0.002	0.029	0.000	Over-range	0.011	0.003	0.043
Mean	0.003	0.039	0.001	Over-range	0.009	0.004	0.036
%RSD	42.347	25.532	85.159	n/a	26.665	66.959	23.844

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.016	0.008	0.037	0.075	0.001	0.004	0.004
# 2	0.018	0.010	0.033	0.095	0.001	0.011	0.004
# 3	0.017	0.009	0.036	0.084	0.001	0.011 L	-0.013
Mean	0.017	0.009	0.035	0.085	0.001	0.008 L	-0.002
%RSD	5.637	11.489	5.717	11.897	39.078	49.368	519.367

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.001	0.108	0.011	0.007
# 2	0.000	0.106	0.014	0.009
# 3	0.015	0.131	0.009	0.008
Mean	0.005	0.115	0.011	0.008
%RSD	181.576	12.466	25.210	12.785

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCS:14739 Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 1:52:22 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.096	1.025	9.702	0.919	0.975	0.981	0.994
# 2	0.093	1.003	9.553	0.901	0.942	0.941	0.957
# 3	0.093	1.005	9.492	0.894	0.942	0.937	0.961

Identity 1 : [illegible] Identity 2 : [illegible]
Weight : 100.0000 Volume : 100.00
Spooler time : 1:52:22 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.096	1.025	9.702	0.919	0.975	0.981	0.994
# 2	0.093	1.003	9.553	0.901	0.942	0.941	0.957
# 3	0.093	1.005	9.492	0.894	0.942	0.937	0.961

Mean	0.094	1.011	9.582	0.905	0.953	0.953	0.971
%RSD	1.943	1.221	1.128	1.434	1.998	2.542	2.073

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.959	1.000	0.957	1.092	0.969	0.970	0.980
# 2	0.944	0.985	0.941	1.070	0.954	0.945	0.975
# 3	0.935	0.979	0.943	1.068	0.947	0.958	0.955
Mean	0.946	0.988	0.947	1.077	0.957	0.958	0.970
%RSD	1.250	1.077	0.888	1.213	1.143	1.305	1.389

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	9.353	0.916	0.962	0.976
# 2	9.194	0.962	0.943	0.963
# 3	9.046	0.936	0.938	0.958
Mean	9.198	0.938	0.948	0.966
%RSD	1.667	2.450	1.304	0.933

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-2 Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 1:55:56 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.002	0.097	0.093	Over-range	0.000 L	-0.005	0.007
# 2 L	-0.002	0.089	0.092	Over-range	0.006 L	-0.004	0.013
# 3 L	-0.004	0.082	0.093	Over-range L	-0.000 L	-0.012	0.006
Mean L	-0.003	0.089	0.093	Over-range	0.002 L	-0.007	0.009
%RSD	49.659	8.411	0.511	n/a	164.172	57.208	38.065

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.007	0.003	0.110	4.902	0.004	0.006	0.032
# 2 L	-0.004	0.003	0.108	4.830	0.004	0.007 L	-0.033
# 3 L	-0.011	0.002	0.110	4.911	0.003 L	-0.002 L	-0.000
Mean L	-0.007	0.003	0.109	4.881	0.003	0.004 L	-0.000
%RSD	47.910	29.720	0.856	0.904	14.180	127.427	26957.351

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.025	0.026 L	-0.002	0.009
# 2 L	-0.008 L	-0.007 L	-0.000	0.010
# 3 L	-0.006 L	-0.044 L	-0.004	0.008
Mean L	-0.013 L	-0.009 L	-0.002	0.009
%RSD	81.664	401.740	95.119	10.180

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-2D Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 1:59:30 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.003	0.089	0.093	Over-range L	-0.002 L	-0.003	0.003
# 2 L	-0.002	0.092	0.093	Over-range L	-0.001 L	-0.001	0.022
# 3 L	-0.002	0.084	0.093	Over-range	0.004 L	-0.005	0.013
Mean L	-0.002	0.088	0.093	Over-range	0.000 L	-0.003	0.013
%RSD	37.141	4.323	0.202	n/a	574.572	52.997	74.282

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.013	0.002	0.115	4.889	0.002 L	-0.002 L	0.021

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.013	0.002	0.115	4.889	0.002 L	-0.002 L	-0.021

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# 2	L	-0.013	0.002	0.124	4.866	0.002 L	-0.006 L	-0.011
# 3	L	-0.007	0.004	0.116	4.879	0.002 L	-0.007 L	-0.007
Mean	L	-0.011	0.003	0.118	4.878	0.002 L	-0.005 L	-0.013
%RSD		33.074	30.831	4.311	0.241	19.733	56.773	55.968

		Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	L	-0.023	0.013 L	-0.003	0.008
# 2	L	-0.016	0.022 L	-0.001	0.010
# 3	L	-0.011	0.035 L	-0.001	0.010
Mean	L	-0.016	0.023 L	-0.002	0.009
%RSD		36.635	47.836	87.051	10.286

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-2MS Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:03:04 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.094	1.203	9.640	0.902	0.931	0.939	0.931
# 2	0.093	1.203	9.547	0.892	0.928	0.928	0.919
# 3	0.099	1.226	9.525	0.901	0.943	0.932	0.953
Mean	0.095	1.211	9.571	0.899	0.934	0.933	0.934
%RSD	2.973	1.074	0.640	0.616	0.802	0.575	1.828

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.914	0.969	1.029	5.829	0.936	0.926	0.898
# 2	0.911	0.961	1.024	5.763	0.929	0.917	0.908
# 3	0.927	0.964	1.029	5.785	0.931	0.931	0.958
Mean	0.917	0.964	1.027	5.792	0.932	0.924	0.922
%RSD	0.920	0.418	0.250	0.573	0.412	0.794	3.490

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	8.478	0.862	0.933	0.964
# 2	8.373	0.887	0.928	0.955
# 3	8.458	0.897	0.935	0.963
Mean	8.436	0.882	0.932	0.961
%RSD	0.658	2.049	0.381	0.496

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-2MD Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:06:34 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.093	1.173	9.629	0.898	0.927	0.935	0.933
# 2	0.099	1.198	9.520	0.901	0.938	0.933	0.953
# 3	0.097	1.198	9.624	0.908	0.942	0.950	0.941
Mean	0.096	1.190	9.591	0.902	0.936	0.939	0.942
%RSD	3.298	1.215	0.644	0.602	0.847	0.982	1.063

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.911	0.974	1.011	5.830	0.933	0.913	0.895
# 2	0.932	0.966	1.036	5.805	0.934	0.925	0.936
# 3	0.929	0.974	1.018	5.850	0.938	0.938	0.916
Mean	0.924	0.971	1.022	5.829	0.935	0.926	0.916
%RSD	1.240	0.484	1.235	0.388	0.301	1.332	2.235

Mean	0.924	0.971	1.022	5.829	0.935	0.926	0.916
%RSD	1.240	0.484	1.235	0.388	0.301	1.332	2.235

Sb1	Tl1	V 1	Zn1	

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	ppm	ppm	ppm	ppm
# 1	8.643	0.893	0.930	0.937
# 2	8.667	0.889	0.939	0.943
# 3	8.702	0.913	0.943	0.945
Mean	8.671	0.898	0.937	0.942
%RSD	0.340	1.429	0.716	0.401

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-2L 1:5 Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:10:04 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.006	0.177	0.021	Over-range	0.011 L	-0.001	0.033
# 2	0.002	0.164	0.020	Over-range	0.009 L	-0.003	0.029
# 3	0.001	0.149	0.020	Over-range	0.009 L	-0.009	0.023
Mean	0.003	0.164	0.020	Over-range	0.010 L	-0.004	0.028
%RSD	86.148	8.430	2.772	n/a	12.961	83.247	16.732

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.027	0.008	0.028	1.142	0.001	0.010	0.009
# 2	0.021	0.005	0.022	1.150	0.001	0.008	0.009
# 3	0.014	0.004	0.026	1.139	0.001	0.014 L	-0.012
Mean	0.021	0.005	0.025	1.144	0.001	0.011	0.002
%RSD	30.695	37.535	12.150	0.527	8.959	27.886	568.148

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.017	0.047	0.016	0.007
# 2 L	-0.022	0.065	0.012	0.009
# 3 L	-0.034	0.072	0.011	0.004
Mean L	-0.013	0.061	0.013	0.007
%RSD	206.479	21.529	22.639	40.940

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-1 Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:13:36 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.000	2.022	0.255	Over-range	0.012	0.016	0.061
# 2	0.002	2.017	0.255	Over-range	0.011	0.018	0.052
# 3 L	-0.002	2.062	0.262	Over-range	0.010	0.014	0.053
Mean L	-0.000	2.033	0.257	Over-range	0.011	0.016	0.055
%RSD	2279.690	1.214	1.555	n/a	7.265	12.665	8.272

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.057	0.022	5.935	13.921	0.282	0.068	0.017
# 2	0.064	0.024	5.958	13.853	0.280	0.066	0.040
# 3	0.061	0.022	6.112	14.192	0.288	0.064	0.025
Mean	0.061	0.023	6.002	13.988	0.283	0.066	0.027
%RSD	5.220	4.879	1.600	1.283	1.386	3.208	42.287

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.039	0.052	0.237	0.052
# 2	0.049	0.034	0.239	0.053
# 3	0.029	0.023	0.240	0.054
Mean	0.039	0.037	0.239	0.053
%RSD	25.402	40.707	0.727	2.325

			0.240	0.054
	0.029	0.023		
# 3			0.239	0.053
	0.039	0.037	0.727	2.325
Mean	25.482	40.707		
%RSD				

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DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-3 Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:17:06 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.000	4.332	0.518	Over-range	0.010	0.032	0.007
# 2	0.003	4.292	0.515	Over-range	0.017	0.037	0.019
# 3 L	-0.003	4.302	0.517	Over-range	0.015	0.026 L	-0.005
Mean L	-0.000	4.308	0.517	Over-range	0.014	0.032	0.007
%RSD	748.310	0.484	0.285	n/a	23.045	16.845	174.611

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.033	0.022	13.938 H	543.262	0.760	0.026	0.009
# 2	0.041	0.024	13.899 H	538.688	0.760	0.024	0.023
# 3	0.027	0.018	13.850 H	542.049	0.757	0.026	0.019
Mean	0.033	0.021	13.896 H	541.333	0.759	0.025	0.017
%RSD	20.733	14.168	0.317	0.438	0.232	3.460	43.383

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.046 L	-0.128	0.017	0.041
# 2	0.078 L	-0.103	0.020	0.039
# 3	0.027 L	-0.111	0.013	0.040
Mean	0.050 L	-0.114	0.017	0.040
%RSD	51.171	11.220	23.552	2.385

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-4 Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:20:38 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.002	6.186	0.156 L	-0.006	0.029	0.062	0.006
# 2 L	-0.004	6.194	0.156 L	-0.007	0.025	0.058 L	-0.011
# 3 L	-0.003	6.134	0.154 L	-0.006	0.021	0.064	0.004
Mean L	-0.002	6.171	0.155 L	-0.006	0.025	0.061	0.000
%RSD	170.306	0.530	0.811	6.424	15.566	5.101	19995.020

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.026	0.049 H	57.141 H	817.547	1.437	0.020	0.033
# 2	0.018	0.044 H	57.081 H	822.419	1.436	0.018	0.018
# 3	0.020	0.044 H	56.309 H	812.040	1.420	0.005	0.007
Mean	0.021	0.046 H	56.844 H	817.335	1.431	0.014	0.019
%RSD	19.533	6.855	0.816	0.635	0.685	54.376	66.274

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.128 L	-0.176	0.014	0.087
# 2	0.116 L	-0.219	0.006	0.087
# 3	0.116 L	-0.200	0.008	0.087
Mean	0.120 L	-0.199	0.009	0.087
%RSD	5.741	10.985	42.104	0.124

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:24:10 PM October 10, 1996

Weight : 1.0000 Volume : 1.00
Spooler time : 2:24:10 PM October 10, 1996

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1

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	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.003	25.684	10.069	9.443	9.765	9.800	9.970
# 2 L	-0.000	25.760	10.089	9.375	9.696	9.757	9.919
# 3	0.000	25.637	10.029	9.333	9.659	9.657	9.907
Mean	0.001	25.694	10.062	9.384	9.707	9.738	9.932
%RSD	161.554	0.241	0.305	0.593	0.554	0.755	0.338

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	9.959	9.905	24.507	22.736	9.804	9.808	9.924
# 2	9.909	9.920	24.339	22.786	9.767	9.768	9.818
# 3	9.853	9.858	24.210	22.656	9.709	9.708	9.692
Mean	9.907	9.894	24.352	22.726	9.760	9.761	9.812
%RSD	0.532	0.328	0.612	0.289	0.489	0.514	1.181

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	9.922	9.794	9.765	9.940
# 2	9.889	9.833	9.723	9.872
# 3	9.879	9.750	9.679	9.826
Mean	9.897	9.792	9.722	9.879
%RSD	0.230	0.422	0.443	0.578

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:27:46 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	10.138 L	-0.013	0.000	Over-range	0.005 L	-0.001	0.007
# 2	10.168 L	-0.041 L	-0.001	Over-range	0.003 L	-0.001	0.005
# 3	10.008 L	-0.018	0.000	Over-range	0.006 L	-0.003	0.025
Mean	10.105 L	-0.024 L	-0.000	Over-range	0.005 L	-0.001	0.012
%RSD	0.838	60.615	243.382	n/a	27.410	76.035	92.113

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.002	0.000	0.014 L	-0.003	0.001 L	-0.017 L	-0.005
# 2 L	-0.011 L	-0.003	0.005 L	-0.027 L	-0.000 L	-0.015 L	-0.033
# 3 L	-0.006	0.000	0.009 L	-0.005	0.001 L	-0.012 L	-0.021
Mean L	-0.006 L	-0.001	0.009 L	-0.012	0.001 L	-0.015 L	-0.020
%RSD	66.509	311.769	45.472	111.575	103.503	15.742	71.975

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.051 L	-0.024	0.004	0.006
# 2	0.045 L	-0.021 L	-0.002	0.007
# 3	0.085	0.014	0.004	0.005
Mean	0.060 L	-0.010	0.002	0.006
%RSD	35.520	204.584	213.959	19.667

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:31:18 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.011 L	-0.018 L	-0.002	Over-range	0.004 L	-0.009 L	-0.003
# 2	0.013 L	-0.001 L	-0.001	Over-range	0.003 L	-0.009 L	-0.003
# 3	0.016	0.024 L	-0.000	Over-range	0.005 L	-0.005	0.001
Mean	0.014	0.002 L	-0.001	Over-range	0.004 L	-0.007 L	0.001
%RSD	18.642	1281.606	80.494	n/a	31.880	33.017	173.051

# 3	0.016	0.024 L	-0.000	Over-range	0.005 L	-0.005	0.001
Mean	0.014	0.002 L	-0.001	Over-range	0.004 L	-0.007 L	-0.001
%RSD	18.642	1281.606	80.494	n/a	31.880	33.017	173.051

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	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.008 L	-0.003 L	-0.007 L	-0.007	0.001 L	-0.004	0.012
# 2 L	-0.000 L	-0.000	0.014	0.007	0.001 L	-0.003	0.007
# 3	0.007	0.002 L	-0.003	0.040	0.001 L	-0.001	0.045
Mean L	-0.000 L	-0.000	0.002	0.013	0.001 L	-0.003	0.021
%RSD	1446.548	1089.438	718.218	180.278	37.087	65.188	94.921

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.009	0.053 L	-0.004	0.000
# 2	0.008	0.014 L	-0.003	0.002
# 3	0.005	0.073	0.002	0.000
Mean	0.008	0.046 L	-0.001	0.001
%RSD	27.561	64.175	241.937	132.128

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-5 Identity 2 : 14739,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:34:50 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.009	3.914	0.145	Over-range	0.026	0.059 L	-0.034
# 2	0.011	3.929	0.146	Over-range	0.026	0.054 L	-0.011
# 3	0.012	3.876	0.145 L	0.000	0.027	0.062 L	-0.024
Mean	0.011	3.906	0.145	Over-range	0.026	0.059 L	-0.023
%RSD	17.605	0.693	0.444	n/a	2.494	6.476	48.462

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.008	0.019 H	56.202 H	819.084	1.336 L	-0.000	0.040
# 2	0.011	0.022 H	56.443 H	815.726	1.342	0.011	0.023
# 3	0.005	0.021 H	56.261 H	811.401	1.340	0.005	0.026
Mean	0.005	0.021 H	56.302 H	815.404	1.339	0.005	0.029
%RSD	105.342	7.575	0.223	0.472	0.231	109.195	30.905

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.105 L	-0.242	0.007	0.059
# 2	0.127 L	-0.232	0.014	0.060
# 3	0.119 L	-0.262	0.009	0.059
Mean	0.117 L	-0.246	0.010	0.059
%RSD	9.461	6.212	32.493	1.440

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : PBW:14704 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:38:22 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.007	0.034 L	-0.000	Over-range	0.002 L	-0.001	0.018
# 2	0.006	0.027 L	-0.000	Over-range	0.005	0.007	0.017
# 3	0.005	0.027 L	-0.001	Over-range	0.005 L	-0.002	0.002
Mean	0.006	0.029 L	-0.000	Over-range	0.004	0.001	0.013
%RSD	14.001	14.846	61.101	n/a	38.114	376.999	69.900

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.014	0.004	0.013	0.057 L	-0.000	0.002 L	0.015
# 2	0.015	0.003	0.021	0.048 L	-0.000 L	-0.003	0.011
# 3	0.015	0.002	0.011	0.048	0.000 L	-0.002	0.017

%RSD	14.001	14.846	61.101	n/a	30.114	376.999	69.900

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.014	0.004	0.013	0.057 L	-0.000	0.002 L	-0.015
# 2	0.015	0.003	0.021	0.048 L	-0.000 L	-0.003	0.011
# 3	0.015	0.002	0.011	0.048	0.000 L	-0.002	0.017

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Mean	0.015	0.003	0.015	0.051 L	-0.000 L	-0.001	0.004
%RSD	3.825	18.000	36.579	9.413	250.204	270.057	389.335

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.000	0.078	0.011	0.008
# 2	0.008	0.064	0.008	0.005
# 3	0.002	0.075	0.007	0.006
Mean	0.004	0.072	0.008	0.006
%RSD	114.999	10.586	25.129	25.585

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCS:14704 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:41:52 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.101	1.113	10.060	0.964	1.011	1.025	1.044
# 2	0.102	1.103	9.913	0.948	0.999	1.001	1.005
# 3	0.103	1.123	10.142	0.975	1.031	1.025	1.041
Mean	0.102	1.113	10.039	0.962	1.014	1.017	1.030
%RSD	1.033	0.900	1.156	1.427	1.564	1.353	2.154

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	1.008	1.038	0.984	0.913	1.017	1.033	1.042
# 2	0.998	1.025	0.987	0.911	1.006	1.016	1.047
# 3	1.022	1.045	0.992	0.928	1.029	1.041	1.030
Mean	1.009	1.036	0.988	0.917	1.017	1.030	1.040
%RSD	1.218	0.963	0.427	1.004	1.096	1.209	0.810

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	9.550	1.021	1.011	1.016
# 2	9.441	1.028	1.000	1.002
# 3	9.660	1.039	1.025	1.020
Mean	9.551	1.029	1.012	1.013
%RSD	1.146	0.897	1.213	0.934

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10481-2 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:45:26 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.002	0.082	0.221	Over-range	0.010	0.004	0.027
# 2	0.002	0.092	0.223	Over-range	0.008	0.005	0.018
# 3 L	-0.000	0.069	0.224	Over-range	0.006	0.003	0.027
Mean	0.001	0.081	0.222	Over-range	0.008	0.004	0.024
%RSD	112.748	13.946	0.686	n/a	27.621	19.325	22.850

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.015	0.009	0.075	35.801	0.002	0.002	0.026
# 2	0.017	0.009	0.074	36.008	0.002	0.007	0.014
# 3	0.010	0.008	0.071	36.351	0.003 L	-0.001 L	-0.005
Mean	0.014	0.009	0.073	36.053	0.002	0.003	0.012
%RSD	23.656	9.623	2.815	0.771	7.648	164.365	132.611

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.009	0.072	0.022	0.046
# 2	0.022	0.065	0.024	0.048

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.009	0.072	0.022	0.046
# 2	0.022	0.065	0.024	0.048

# 3	0.001	0.072	0.019	0.049
Mean	0.011	0.070	0.022	0.048
%RSD	97.248	6.074	11.142	2.939

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10481-2D Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:49:14 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.001	0.059	0.223	Over-range	0.010	0.009	0.032
# 2	0.001	0.059	0.220	Over-range	0.010	0.012	0.020
# 3 L	-0.006	0.019	0.224	Over-range	0.008 L	-0.001	0.026
Mean L	-0.001	0.046	0.222	Over-range	0.009	0.007	0.026
%RSD	402.718	50.387	0.975	n/a	13.872	95.329	24.209

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.018	0.012	0.066	35.978	0.003	0.008	0.034
# 2	0.014	0.012	0.067	35.446	0.002	0.018	0.039
# 3 L	-0.001	0.005	0.075	36.555	0.002	0.003	0.015
Mean	0.010	0.010	0.069	35.993	0.002	0.010	0.029
%RSD	95.695	38.533	7.211	1.540	17.528	73.211	44.194

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.012	0.052	0.017	0.051
# 2	0.003	0.054	0.017	0.051
# 3 L	-0.012	0.043	0.003	0.047
Mean	0.001	0.049	0.013	0.050
%RSD	954.843	12.224	63.650	4.513

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10481-3MS Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:53:00 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.097	1.105	9.936	0.938	0.973	0.942	0.983
# 2	0.096	1.090	9.864	0.931	0.962	0.952	0.961
# 3	0.097	1.095	9.867	0.932	0.957	0.957	0.967
Mean	0.097	1.097	9.889	0.933	0.964	0.950	0.970
%RSD	0.895	0.697	0.414	0.406	0.806	0.761	1.170

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.974	0.998	1.002	37.232	0.973	0.982	0.975
# 2	0.961	0.990	1.003	36.998	0.961	0.971	0.962
# 3	0.967	0.991	0.995	36.948	0.966	0.965	0.939
Mean	0.967	0.993	1.000	37.059	0.967	0.972	0.959
%RSD	0.669	0.433	0.467	0.409	0.629	0.900	1.904

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	9.649	0.908	0.996	1.029
# 2	9.509	0.943	0.989	1.010
# 3	9.587	0.930	0.989	1.021
Mean	9.582	0.927	0.992	1.020
%RSD	0.734	1.905	0.428	0.967

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10481-4MD Identity 2 : 14704,LSS,, Type : SAMPLE

%RSD	0.734	1.905	0.428	0.967

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10481-4MD Identity 2 : 14704,LSS,, Type : SAMPLE
EVOLUTION by Micro-Active Australia Pty Ltd 2:57:20 PM October 10, 1996

Weight : 100.0000 Volume : 100.00
Spooler time : 2:56:42 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.095	1.090	9.946	0.935	0.970	0.953	0.992
# 2	0.097	1.103	9.851	0.933	0.964	0.947	1.001
# 3	0.097	1.098	9.948	0.940	0.970	0.966	0.982
Mean	0.096	1.097	9.915	0.936	0.968	0.955	0.992
%RSD	1.121	0.574	0.556	0.415	0.378	1.014	0.956

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.963	1.005	1.017	37.095	0.972	0.965	0.986
# 2	0.972	0.998	1.018	36.772	0.970	0.972	0.967
# 3	0.973	1.005	1.008	37.043	0.974	0.972	1.021
Mean	0.969	1.003	1.014	36.970	0.972	0.970	0.991
%RSD	0.523	0.365	0.533	0.469	0.230	0.430	2.744

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	9.690	0.837	0.992	1.024	1.579
# 2	9.622	0.857	0.990	1.012	1.587
# 3	9.754	0.886	0.993	1.013	1.569
Mean	9.689	0.860	0.992	1.016	1.578
%RSD	0.683	2.896	0.149	0.641	0.571

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DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10491-2L Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:00:12 PM October 10, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1		0.001	0.054	0.049	Over-range	0.005	0.007	0.018
# 2		0.002	0.057	0.049	Over-range	0.008	0.003	0.019
# 3	L	-0.001	0.052	0.049	Over-range	0.005	0.004	0.022
Mean		0.001	0.054	0.049	Over-range	0.006	0.005	0.020
%RSD		203.818	4.615	0.490	n/a	30.549	50.295	11.146

		Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1		0.008	0.005	0.018	7.873	0.000	0.002	0.024
# 2		0.011	0.006	0.013	7.877	0.001	0.007	0.002
# 3		0.010	0.003	0.023	7.999	0.001	0.010	0.013
Mean		0.010	0.004	0.018	7.916	0.000	0.006	0.013
%RSD		15.230	33.217	29.042	0.903	63.789	62.638	85.338

		Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	L	-0.017	0.085	0.009	0.014	0.628
# 2	L	-0.002	0.027	0.010	0.013	0.629
# 3		0.000	0.047	0.007	0.012	0.632
Mean	L	-0.006	0.053	0.009	0.013	0.630
%RSD		152.854	56.434	18.156	6.603	0.331

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10511-1 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:03:44 PM October 10, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1		0.000	0.049	0.564	Over-range	0.010	0.007	0.011
# 2		0.001	0.042	0.556	Over-range	0.010	0.008 L	-0.003
# 3	L	-0.002	0.037	0.562	Over-range	0.008	0.010	0.021
Mean	L	-0.000	0.042	0.561	Over-range	0.010	0.008	0.009
%RSD		3333.539	14.823	0.692	n/a	11.089	20.347	128.484

		Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1		0.010	0.008	11.590	37.449	0.449	0.010	0.020
# 2		0.015	0.008	11.445	36.938	0.445	0.009 L	-0.001
# 3		0.008	0.006	11.488	37.266	0.446	0.011	0.018
Mean		0.011	0.007	11.508	37.218	0.447	0.010	0.012
%RSD		32.089	20.817	0.651	0.696	0.528	7.135	97.672

		Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	L	-0.003	0.042	0.001	0.012	0.643
# 2		0.010	0.037	0.003	0.012	0.629
# 3	L	-0.022	0.020 L	-0.001	0.013	0.652
Mean	L	-0.005	0.033	0.001	0.012	0.641
%RSD		340.251	34.522	173.205	3.484	1.807

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10511-2 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:07:16 PM October 10, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Weight : [illegible] Volume : [illegible]
Spooler time : 3:07:16 PM October 10, 1996

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1
ppm	ppm	ppm	ppm	ppm	ppm	ppm

EVOLUTION by Micro-Active Australia Pty Ltd 3:15:16 PM October 10, 1996

# 1	L	-0.004	0.052	0.909	Over-range	0.012	0.004	0.036
# 2	L	-0.006	0.029	0.905	Over-range	0.006	0.006	0.015
# 3	L	-0.008	0.027	0.915	Over-range	0.007 L	-0.001	0.03
Mean	L	-0.006	0.036	0.910	Over-range	0.008	0.003	0.028
%RSD		39.148	38.510	0.552	n/a	32.315	127.872	40.005

		Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	L	-0.004	0.009	15.919	38.578	0.356	0.008	0.023
# 2	L	-0.012	0.006	15.768	38.523	0.354 L	-0.003	0.025
# 3	L	-0.014	0.005	15.860	38.866	0.356 L	-0.002	0.009
Mean	L	-0.010	0.007	15.849	38.655	0.355	0.001	0.019
%RSD		52.763	31.900	0.482	0.476	0.443	564.781	46.158

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	0.004 L	-0.026 L	-0.001	0.015	0.649
# 2	0.011	0.007 L	-0.006	0.016	0.629
# 3 L	-0.012	0.016 L	-0.009	0.017	0.646
Mean	0.001 L	-0.001 L	-0.005	0.016	0.641
%RSD	919.737	2567.962	75.836	5.214	1.682

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:10:52 PM October 10, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1		0.003	25.514	9.998	9.289	9.630	9.665	9.826
# 2		0.002	25.567	10.004	9.255	9.575	9.651	9.783
# 3	L	-0.002	25.747	10.095	9.281	9.625	9.670	9.783
Mean		0.001	25.609	10.033	9.275	9.610	9.662	9.798
%RSD		186.514	0.477	0.542	0.191	0.315	0.102	0.254

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	9.809	9.831	24.197	22.615	9.680	9.660	9.766
# 2	9.765	9.832	24.121	22.589	9.650	9.628	9.758
# 3	9.792	9.914	24.211	22.786	9.681	9.725	9.775
Mean	9.789	9.859	24.177	22.663	9.670	9.671	9.766
%RSD	0.226	0.482	0.200	0.472	0.178	0.510	0.087

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	9.894	9.772	9.637	9.771	10.015
# 2	9.811	9.673	9.614	9.733	9.974
# 3	9.787	9.792	9.667	9.755	9.974
Mean	9.831	9.746	9.639	9.753	9.988
%RSD	0.570	0.655	0.271	0.194	0.237

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:14:20 PM October 10, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1		10.115 L	-0.003	0.001	Over-range	0.009 L	-0.000	0.014
# 2		10.035 L	-0.006	0.000	Over-range	0.006	0.003	0.013
# 3		10.106 L	-0.016	0.000	Over-range	0.008 L	-0.002	0.023
Mean		10.085 L	-0.008	0.000	Over-range	0.008	0.000	0.017
%RSD		0.434	79.372	53.913	n/a	19.777	1410.674	34.421

Mean	10.085 L	-0.008	0.000	Over-range	0.008	0.000	0.017
%RSD	0.434	79.372	53.913	n/a	19.777	1410.674	34.421

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	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.008	0.001	0.007 L	-0.015	0.002 L	-0.004 L	-0.002
# 2 L	-0.007	0.001	0.010 L	-0.012	0.001 L	-0.006 L	-0.009
# 3 L	-0.008	0.000	0.014 L	-0.015	0.001 L	-0.004	0.008
Mean L	-0.008	0.001	0.010 L	-0.014	0.001 L	-0.005 L	-0.001
%RSD	9.767	38.188	36.146	13.856	4.669	19.362	1038.891

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	0.072	0.014 L	-0.002	0.009	0.623
# 2	0.068 L	-0.030 L	-0.003	0.008	0.622
# 3	0.081	0.054 L	-0.004	0.004	0.632
Mean	0.074	0.013 L	-0.003	0.007	0.626
%RSD	9.008	328.581	35.294	33.476	0.880

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:17:52 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.007 L	-0.006 L	-0.001	Over-range	0.003 L	-0.008	0.013
# 2	0.004 L	-0.021 L	-0.002	Over-range L	-0.003 L	-0.003	0.013
# 3	0.008 L	-0.008 L	-0.001	Over-range L	-0.002 L	-0.006	0.014
Mean	0.006 L	-0.012 L	-0.001	Over-range L	-0.000 L	-0.005	0.013
%RSD	27.906	68.884	36.640	n/a	688.864	45.092	4.555

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.002	0.001 L	-0.015 L	-0.008	0.001 L	-0.011 L	-0.034
# 2 L	-0.007 L	-0.002 L	-0.008 L	-0.025	0.000 L	-0.008	0.006
# 3 L	-0.001 L	-0.000 L	-0.005 L	-0.003	0.001 L	-0.008	0.021
Mean L	-0.003 L	-0.000 L	-0.009 L	-0.012	0.001 L	-0.009 L	-0.002
%RSD	108.187	309.047	57.547	92.821	32.167	18.975	1194.222

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	0.002 L	-0.024 L	-0.001 L	-0.001	0.617
# 2 L	-0.007 L	-0.041 L	-0.005 L	-0.000	0.617
# 3 L	-0.003 L	-0.001 L	-0.001	0.000	0.618
Mean L	-0.002 L	-0.022 L	-0.002 L	-0.000	0.617
%RSD	194.213	92.171	112.036	154.466	0.094

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10511-3 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:21:24 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.005	0.264	0.129	Over-range	0.003	0.001	0.013
# 2	0.007	0.287	0.132	Over-range	0.001	0.002	0.006
# 3	0.007	0.292	0.130	Over-range	0.006	0.004	0.005
Mean	0.007	0.281	0.130	Over-range	0.003	0.002	0.00
%RSD	20.301	5.216	1.004	n/a	69.344	63.787	48.938

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.005	0.013	0.268	28.265	0.369	0.003 L	-0.013
# 2	0.003	0.017	0.284	28.484	0.374	0.002 L	-0.008
# 3	0.005	0.017	0.294	28.292	0.370	0.012	0.009

# 2	0.003	0.017	0.284	28.484	0.374	0.002 L	-0.008
# 3	0.005	0.017	0.294	28.292	0.370	0.012	0.009
Mean	0.001	0.016	0.282	28.347	0.371	0.006 L	-0.004

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%RSD	539.127	15.133	4.540	0.422	0.776	93.885	311.642

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	0.010 L	-0.001	0.002	0.020	0.638
# 2	0.021	0.030	0.009	0.023	0.632
# 3	0.014	0.039	0.009	0.020	0.631
Mean	0.015	0.023	0.007	0.021	0.634
%RSD	37.214	92.820	55.329	7.179	0.597

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10511-4 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:24:58 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.005	0.244	0.140	Over-range	0.004 L	-0.000	0.007
# 2	0.006	0.247	0.138	Over-range	0.008	0.008	0.001
# 3	0.007	0.244	0.139	Over-range	0.005	0.002 L	-0.006
Mean	0.006	0.245	0.139	Over-range	0.006	0.003	0.001
%RSD	16.859	0.589	0.621	n/a	42.021	117.283	819.803

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.012	0.011	0.243	27.302	0.435	0.002	0.023
# 2	0.016	0.013	0.242	26.956	0.429 L	-0.001	0.026
# 3	0.014	0.012	0.248	27.259	0.433	0.002	0.007
Mean	0.014	0.012	0.244	27.172	0.432	0.001	0.019
%RSD	15.632	5.294	1.164	0.694	0.607	215.307	55.006

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	0.013	0.049	0.010	0.022	0.648
# 2	0.015	0.030	0.012	0.019	0.642
# 3 L	-0.003	0.016	0.011	0.021	0.635
Mean	0.008	0.032	0.011	0.020	0.642
%RSD	118.715	52.223	9.005	7.387	1.014

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10511-5 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:28:30 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.003	0.059	0.157	Over-range	0.009	0.006	0.015
# 2	0.003	0.062	0.158	Over-range	0.009	0.007	0.004
# 3	0.002	0.062	0.158	Over-range	0.009	0.007	0.023
Mean	0.002	0.061	0.158	Over-range	0.009	0.007	0.014
%RSD	26.998	2.373	0.286	n/a	2.706	12.411	66.813

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.002	0.013	0.096	26.337	0.516	0.007	0.029
# 2 L	-0.000	0.014	0.096	26.382	0.514	0.010	0.030
# 3 L	-0.004	0.012	0.110	26.516	0.520	0.000	0.01
Mean L	-0.001	0.013	0.101	26.412	0.517	0.006	0.025
%RSD	287.988	8.331	8.197	0.352	0.577	88.679	34.929

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	0.014	0.064	0.007	0.017	0.649
# 2	0.000	0.032	0.009	0.017	0.639

		ppm	ppm	ppm	ppm	ppm
# 1		0.014	0.064	0.007	0.017	0.649
# 2		0.000	0.032	0.009	0.017	0.639
# 3	L	-0.014	0.075	0.005	0.018	0.657

Mean	0.000	0.057	0.007	0.018	0.648
%RSD	5723.704	38.412	22.634	2.992	1.391

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10511-6 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:32:06 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.001	0.172	0.134	Over-range	0.007	0.006	0.022
# 2	0.002	0.179	0.136	Over-range	0.004	0.008	0.032
# 3	0.001	0.169	0.135	Over-range	0.004	0.007	0.019
Mean	0.001	0.174	0.135	Over-range	0.005	0.007	0.024
%RSD	60.310	3.002	0.609	n/a	34.023	17.757	26.970

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.007	0.010	1.181	26.628	0.326	0.001	0.003
# 2	0.006	0.011	1.206	26.842	0.330	0.006 L	-0.010
# 3	0.001	0.009	1.199	26.779	0.329	0.006 L	-0.003
Mean	0.005	0.010	1.195	26.750	0.328	0.005 L	-0.003
%RSD	66.010	10.784	1.085	0.411	0.710	70.045	191.085

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	0.005	0.025	0.007	0.017	0.643
# 2	0.000	0.029	0.005	0.016	0.652
# 3	0.000 L	-0.004	0.005	0.014	0.640
Mean	0.002	0.016	0.005	0.016	0.645
%RSD	165.337	109.776	18.484	9.712	0.968

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10511-7 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:35:42 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.003	0.159	0.131	Over-range	0.004	0.012	0.031
# 2 L	-0.001	0.142	0.132	Over-range	0.005	0.004	0.017
# 3 L	-0.004	0.127	0.132	Over-range L	-0.000 L	-0.001	0.030
Mean L	-0.000	0.143	0.132	Over-range	0.003	0.005	0.026
%RSD	863.438	11.415	0.645	n/a	100.407	123.328	29.548

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.015	0.011	1.133	25.901	0.318	0.023	0.033
# 2	0.009	0.008	1.159	26.386	0.323	0.014 L	-0.005
# 3	0.002	0.006	1.157	26.555	0.323	0.012 L	-0.022
Mean	0.009	0.008	1.150	26.280	0.321	0.017	0.002
%RSD	75.568	33.432	1.291	1.291	0.973	35.812	1331.924

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1 L	-0.006	0.053	0.014	0.015	0.660
# 2	0.005	0.054	0.010	0.014	0.647
# 3 L	-0.013	0.016	0.003	0.012	0.659
Mean L	-0.005	0.041	0.009	0.014	0.655
%RSD	199.634	53.054	60.249	10.634	1.104

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10511-8 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10511-8 Identity 2 : 14704,LSS, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
EVOLUTION by Micro-Active Australia Pty Ltd 3:39:26 PM October 10, 1996

Spooler time : 3:39:18 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.004	0.199	0.134	Over-range	0.006	0.008	0.006
# 2	0.002	0.197	0.134	Over-range	0.005	0.009	0.002
# 3 L	-0.006	0.147	0.131	Over-range L	-0.002 L	-0.001 L	-0.006
Mean L	-0.000	0.181	0.133	Over-range	0.003	0.005	0.001
%RSD	2292.951	16.378	1.320	n/a	124.988	107.513	742.860

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.006	0.009	1.180	26.536	0.324	0.007	0.019
# 2	0.005	0.008	1.167	26.474	0.323	0.005	0.016
# 3 L	-0.014	0.000	1.151	26.546	0.317 L	-0.005 L	-0.009
Mean L	-0.001	0.006	1.166	26.519	0.322	0.002	0.008
%RSD	1574.000	82.463	1.260	0.147	1.121	296.194	179.425

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	0.022	0.016	0.005	0.014	0.639
# 2	0.010	0.020	0.003	0.012	0.635
# 3 L	-0.022 L	-0.010 L	-0.011	0.011	0.627
Mean	0.003	0.009 L	-0.001	0.012	0.634
%RSD	667.145	185.951	1165.721	11.903	0.964

EVOLUTION by Micro-Active Australia Pty Ltd 3:50:18 PM October 10, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10511-9 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:43:02 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.002	0.077	0.002	Over-range	0.005	0.006	0.001
# 2 L	-0.001	0.079	0.003	Over-range	0.007 L	-0.004	0.020
# 3 L	-0.003	0.072	0.002	Over-range	0.005 L	-0.000	0.015
Mean L	-0.002	0.076	0.002	Over-range	0.006	0.001	0.012
%RSD	48.963	5.036	18.902	n/a	14.762	960.902	79.683

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.003	0.006	0.055	0.135	0.000	0.009 L	-0.006
# 2	0.007	0.006	0.056	0.139	0.001	0.009	0.004
# 3 L	-0.001	0.005	0.057	0.132	0.000	0.004	0.015
Mean	0.003	0.006	0.056	0.135	0.000	0.007	0.004
%RSD	117.309	10.861	2.200	2.469	66.851	37.543	251.477

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	0.019	0.040	0.002	0.012	0.626
# 2	0.011	0.062	0.002	0.012	0.644
# 3 L	-0.001	0.032 L	-0.001	0.011	0.639
Mean	0.010	0.045	0.001	0.011	0.636
%RSD	101.749	34.246	214.303	5.969	1.460

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10528-3 Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:46:32 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.002	12.509	0.915 L	-0.006	0.017	0.059	0.031
# 2 L	-0.001	12.446	0.907 L	-0.007	0.013	0.058	0.044
# 3 L	-0.002	12.284	0.895 L	-0.007	0.015	0.054	0.019
Mean L	-0.002	12.413	0.906 L	-0.006	0.015	0.057	0.031
%RSD	20.215	0.937	1.101	2.362	12.643	4.817	40.019

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.012	0.014	38.607	7.979	3.246	0.017	0.004
# 2	0.011	0.015	38.161	7.967	3.223	0.017 L	-0.005
# 3	0.010	0.013	37.685	7.873	3.173	0.015	0.019
Mean	0.011	0.014	38.151	7.940	3.214	0.016	0.006
%RSD	11.895	5.226	1.209	0.727	1.153	6.320	199.358

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	0.035	0.023	0.026	0.026	0.651
# 2	0.017	0.028	0.025	0.025	0.663
# 3	0.028	0.010	0.022	0.026	0.639
Mean	0.027	0.020	0.024	0.026	0.651
%RSD	33.620	46.066	7.745	1.208	1.843

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:50:10 PM October 10, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1

Weight : [illegible] Volume : [illegible]
Spooler time : 3:50:10 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 3:50:22 PM October 10, 1996							
# 1	0.005	25.842	10.157	9.922	10.249	10.207	10.341
# 2	0.000	25.847	10.180	9.864	10.163	10.124	10.304
# 3	0.002	25.842	10.158	9.862	10.149	10.129	10.279
Mean	0.002	25.844	10.165	9.883	10.187	10.153	10.308
%RSD	110.021	0.011	0.129	0.345	0.534	0.457	0.302

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.374	9.969	25.295	22.759	10.181	10.196	10.117
# 2	10.327	10.001	25.204	22.865	10.128	10.127	10.139
# 3	10.331	9.977	25.144	22.796	10.119	10.147	10.062
Mean	10.344	9.983	25.214	22.807	10.142	10.157	10.106
%RSD	0.249	0.167	0.302	0.234	0.329	0.352	0.391

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	10.186	10.100	10.061	10.349	10.543
# 2	10.270	10.137	10.036	10.275	10.508
# 3	10.219	10.086	10.035	10.282	10.484
Mean	10.225	10.108	10.044	10.302	10.512
%RSD	0.412	0.262	0.152	0.398	0.282

EVOLUTION by Micro-Active Australia Pty Ltd 4:01:18 PM October 10, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:53:36 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	10.267 L	-0.003	0.004 L	-0.006 L	-0.000	0.014	0.014
# 2	10.241 L	-0.013	0.004 L	-0.006	0.002	0.011	0.002
# 3	10.084	0.002	0.004 L	-0.006	0.001	0.008	0.019
Mean	10.197 L	-0.005	0.004 L	-0.006	0.001	0.011	0.012
%RSD	0.972	152.752	7.822	3.032	114.819	24.152	72.222

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.013 L	-0.001	0.002 L	-0.002	0.001 L	-0.000 L	-0.007
# 2 L	-0.008 L	-0.001 L	-0.002 L	-0.005	0.001 L	-0.000 L	-0.002
# 3 L	-0.004 L	-0.000	0.001	0.007	0.001 L	-0.002 L	-0.017
Mean L	-0.008 L	-0.001	0.000 L	-0.000	0.001 L	-0.001 L	-0.009
%RSD	53.602	46.154	787.280127264891249408.000		44.928	123.735	91.525

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1	0.109	0.018 L	-0.004	0.006	0.643
# 2	0.118	0.023 L	-0.003	0.007	0.632
# 3	0.114	0.045	0.000	0.008	0.648
Mean	0.113	0.029 L	-0.002	0.007	0.641
%RSD	3.961	50.658	108.170	12.141	1.277

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:57:08 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.008	0.009	0.003	Over-range	0.003	0.009 L	-0.010
# 2	0.003 L	-0.011	0.002	Over-range	0.002 L	-0.001 L	-0.023
# 3	0.008	0.017	0.004	Over-range	0.005	0.014 L	-0.009

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EVOLUTION by Micro-Active Australia Pty Ltd 4:07:42 PM October 10, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:04:12 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	*0.004 H*	*510.109*	*0.008 L*	*-0.006*	*0.067*	*0.047 L*	*-0.022*
# 2	0.006 H	502.560	0.009 L	-0.006	0.071	0.051 L	-0.007
# 3	0.003 H	506.528	0.008 L	-0.007	0.063	0.051	0.016
Mean	0.004 H	506.399	0.009 L	-0.006	0.067	0.050 L	-0.004
%RSD	33.697	0.746	4.340	2.765	6.311	4.176	438.878

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.003	0.006 H	189.003 H	489.626	0.017 L	-0.009 L	-0.018
# 2	0.005	0.008 H	186.408 H	482.566	0.017 L	-0.005 L	-0.010
# 3	0.000	0.006 H	187.636 H	487.153	0.017 L	-0.013 L	-0.033
Mean	0.003	0.007 H	187.683 H	486.448	0.017 L	-0.009 L	-0.020
%RSD	94.737	16.149	0.692	0.737	0.585	43.900	57.652

	Sb1 ppm	Tl1 ppm	V 1 ppm	Zn1 ppm	Y ppm
# 1 L	-0.045 L	-0.047	0.009	0.012	0.780
# 2 L	-0.081 L	-0.058	0.013	0.013	0.794
# 3 L	-0.083 L	-0.028	0.010	0.011	0.817
Mean L	-0.070 L	-0.045	0.011	0.012	0.797
%RSD	30.366	33.885	19.229	8.562	2.344

EVOLUTION by Micro-Active Australia Pty Ltd 4:18:40 PM October 10, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:16:40 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.004	0.022	0.003	Over-range L	-0.004	0.007	0.012
# 2	0.002	0.022	0.002	Over-range L	-0.003	0.010 L	-0.005
# 3	0.002	0.017	0.003	Over-range L	-0.006	0.007 L	-0.005
Mean	0.003	0.020	0.003	Over-range L	-0.004	0.008	0.001
%RSD	21.277	14.434	3.331	n/a	45.225	21.267	1388.259

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.005	0.003 L	-0.006	0.030 L	-0.000	0.009	0.040
# 2	0.000	0.002 L	-0.006	0.030	0.000	0.008	0.010
# 3 L	-0.002	0.003 L	-0.008	0.025	0.001	0.003	0.042
Mean L	-0.003	0.003 L	-0.007	0.028	0.000	0.006	0.031
%RSD	121.824	19.094	21.014	10.189	146.872	52.607	58.221

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.034	0.051	0.002	0.643	0.000
# 2	0.027	0.045 L	-0.000	0.627 L	-0.001
# 3	0.019	0.075 L	-0.001	0.627 L	-0.001
Mean	0.027	0.057	0.000	0.632 L	-0.000
%RSD	27.815	27.440	687.386	1.461	130.702

EVOLUTION by Micro-Active Australia Pty Ltd 4:27:40 PM October 10, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CRI Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:20:16 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.057	0.039	0.002	0.003	0.020	0.110	0.060
# 2	0.056	0.032	0.002	0.003	0.013	0.113	0.041
# 3	0.057	0.037	0.003	0.003	0.015	0.110	0.049
Mean	0.057	0.036	0.002	0.003	0.016	0.111	0.050
%RSD	0.996	10.657	17.769	1.925	21.740	1.493	19.035

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.025	0.057	0.005 L	-0.002	0.032	0.073 L	-0.010
# 2	0.019	0.056	0.008 L	-0.017	0.032	0.077	0.013
# 3	0.022	0.056	0.007 L	-0.005	0.031	0.080	0.013
Mean	0.022	0.056	0.007 L	-0.008	0.032	0.077	0.005
%RSD	9.281	0.966	24.098	101.267	1.903	4.581	240.988

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.136	0.009	0.079	0.666	0.042
# 2	0.120	0.018	0.077	0.648	0.045
# 3	0.118	0.034	0.079	0.655	0.042
Mean	0.124	0.020	0.078	0.656	0.043
%RSD	7.893	64.490	1.180	1.382	4.247

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:23:52 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.018 H	507.686	0.008 L	-0.006	0.071	0.051 L	-0.001
# 2	0.019 H	501.279	0.009 L	-0.006	0.072	0.044	0.003
# 3	0.016 H	508.588	0.008 L	-0.007	0.066	0.053	0.004
Mean	0.018 H	505.851	0.008 L	-0.006	0.069	0.049	0.002
%RSD	8.081	0.788	6.419	3.463	4.908	9.637	153.460

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.004	0.005 H	187.993 H	488.130	0.017 L	-0.005 L	0.037
# 2	0.006	0.007 H	185.394 H	480.787	0.017 L	-0.006	0.001
# 3 L	-0.003	0.004 H	187.995 H	488.456	0.017 L	-0.013 L	-0.008

# 1	0.004	0.005 H	187.993 H	488.130	0.017 L	-0.005 L	-0.037
# 2	0.006	0.007 H	185.394 H	480.787	0.017 L	-0.006	0.001
# 3 L	-0.003	0.004 H	187.995 H	488.456	0.017 L	-0.013 L	-0.008
Mean	0.003	0.005 H	187.127 H	485.791	0.017 L	-0.008 L	-0.015
%RSD	180.044	20.367	0.802	0.893	0.394	55.927	132.414

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-0.078 L	-0.047	0.012	0.798	0.015
# 2 L	-0.077	0.001	0.014	0.802	0.009
# 3 L	-0.096 L	-0.034	0.011	0.803	0.014
Mean L	-0.084 L	-0.027	0.013	0.801	0.013
%RSD	12.691	92.604	10.494	0.330	23.135

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSAB Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:27:26 PM October 10, 1996

	Ag1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

EVOLUTION by Micro-Active Australia Pty Ltd 4:34:40 PM October 10, 1996

# 1	0.968 H	505.439	0.503	0.463	1.045	0.535	0.471
# 2	0.969 H	504.150	0.503	0.463	1.041	0.529	0.467
# 3	0.969 H	503.274	0.503	0.462	1.028	0.534	0.473
Mean	0.969 H	504.287	0.503	0.463	1.038	0.532	0.470
%RSD	0.040	0.216	0.074	0.187	0.866	0.646	0.591

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.494	0.496 H	185.782 H	484.413	0.501	0.950	0.989
# 2	0.496	0.496 H	185.754 H	483.447	0.501	0.956	0.952
# 3	0.492	0.495 H	185.015 H	482.882	0.503	0.943	0.956
Mean	0.494	0.495 H	185.517 H	483.580	0.502	0.950	0.965
%RSD	0.368	0.105	0.234	0.160	0.137	0.667	2.121

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-0.061 L	-0.145	0.501	1.252	0.986
# 2 L	-0.088 L	-0.073	0.504	1.248	0.991
# 3 L	-0.068 L	-0.152	0.503	1.253	0.985
Mean L	-0.072 L	-0.123	0.503	1.251	0.987
%RSD	19.260	35.328	0.326	0.211	0.321

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:30:52 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.004	26.070	10.223	9.990	10.307	10.218	10.378
# 2	0.005	25.652	10.046	9.777	10.082	10.044	10.241
# 3	0.002	25.980	10.184	9.881	10.165	10.154	10.259
Mean	0.003	25.901	10.151	9.883	10.185	10.139	10.293
%RSD	45.841	0.849	0.914	1.082	1.118	0.872	0.721

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.433	10.050	25.393	22.945	10.206	10.259	10.162
# 2	10.245	9.884	24.959	22.567	10.034	10.078	9.97
# 3	10.339	10.006	25.174	22.883	10.122	10.192	10.093
Mean	10.339	9.980	25.175	22.798	10.121	10.176	10.076
%RSD	0.909	0.863	0.861	0.889	0.849	0.896	0.958

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	10.247	10.111	10.141	10.553	10.408

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	10.247	10.111	10.141	10.553	10.408
# 2	10.123	9.987	9.940	10.423	10.221
# 3	10.094	10.150	10.057	10.440	10.337
Mean	10.155	10.083	10.046	10.472	10.322
%RSD	0.802	0.846	1.001	0.675	0.914

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:34:22 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	10.322	0.017	0.004 L	-0.006	0.006	0.011	0.005
# 2	10.190	0.012	0.004 L	-0.006	0.005	0.007	0.016
# 3	10.210	0.012	0.004 L	-0.006	0.004	0.010	0.018
Mean	10.241	0.013	0.004 L	-0.006	0.005	0.009	0.013
%RSD	0.696	21.651	4.697	1.485	20.124	21.209	56.756

EVOLUTION by Micro-Active Australia Pty Ltd 4:41:40 PM October 10, 1996

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.002	0.000	0.008 L	-0.005 L	-0.000	0.002	0.006
# 2 L	-0.001	0.002	0.014 L	-0.005 L	-0.001	0.006	0.008
# 3	0.002 L	-0.000	0.013 L	-0.008 L	-0.000	0.002 L	-0.009
Mean L	-0.001	0.001	0.012 L	-0.006 L	-0.000	0.003	0.001
%RSD	319.842	124.979	25.142	31.492	87.574	89.803	713.444

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.094	0.043 L	-0.000	0.624	0.007
# 2	0.112	0.062	0.000	0.635	0.005
# 3	0.121	0.012 L	-0.001	0.637	0.006
Mean	0.109	0.039 L	-0.000	0.632	0.006
%RSD	12.580	63.982	198.431	1.108	15.204

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14704,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:37:52 PM October 10, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.002 L	-0.013	0.002	Over-range	0.004	0.004	0.020
# 2 L	-0.001	0.007	0.002	Over-range	0.004	0.011	0.011
# 3	0.001	0.014	0.003	Over-range	0.000	0.011	0.008
Mean L	-0.000	0.003	0.002	Over-range	0.003	0.008	0.013
%RSD	346.104	568.626	21.712	n/a	76.357	48.687	50.639

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.002 L	-0.001	0.002 L	-0.023 L	-0.000	0.002 L	-0.002
# 2	0.005	0.001 L	-0.001 L	-0.000 L	-0.000 L	-0.001 L	-0.012
# 3	0.007	0.002	0.004	0.005 L	-0.000	0.001	0.022
Mean	0.003	0.000	0.002 L	-0.006 L	-0.000	0.001	0.002
%RSD	145.539	306.951	148.138	247.467	16.777	227.126	705.285

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.039 L	-0.002 L	-0.002	0.654 L	-0.003
# 2	0.058 L	-0.019	0.002	0.645 L	-0.002
# 3	0.022	0.001	0.004	0.642	0.000
Mean	0.040 L	-0.007	0.001	0.647 L	-0.002
%RSD	45.039	159.855	225.764	0.965	94.895

DILUTION CORRECTED CONCENTRATIONS

EVOLUTION by Micro-Active Australia Pty Ltd 6:36:36 PM October 7, 1996

INTENSITIES
Identity 1 : STD1 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 6:36:34 PM October 7, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
# 1	-0.51729	-0.18710	-0.03577	-0.44831	-0.05710	-0.27124	-1.50265	5.20992
# 2	-0.51263	-0.18937	-0.05163	-0.38043	-0.04980	-0.25889	-1.50028	5.15749
# 3	-0.51825	-0.20870	-0.04037	-0.55116	-0.06807	-0.27847	-1.53298	5.10474
Mean	-0.51606	-0.19505	-0.04259	-0.45997	-0.05832	-0.26953	-1.51197	5.15738
%RSD	0.58212	6.08629	19.15594	18.68815	15.77156	3.67364	1.20602	1.01964

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077
# 1	-0.12506	-0.09612	-0.14896	-0.37573	0.03711	-0.02058	2.13399	-0.10667
# 2	-0.13162	-0.07152	-0.14731	-0.35181	0.03199	-0.02773	2.12776	-0.08855
# 3	-0.14735	-0.09481	-0.16839	-0.35599	0.01763	-0.03529	2.14690	-0.10207
Mean	-0.13468	-0.08749	-0.15489	-0.36118	0.02891	-0.02786	2.13622	-0.09910
%RSD	8.50738	15.82048	7.56839	3.53674	34.93446	26.40716	0.45712	9.50568

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583
# 1	-0.04169	-0.43237	32.03740	-0.13637	0.01320	-0.09335	-0.05422	-0.23060
# 2	-0.03348	-0.43345	31.93500	-0.08797	-0.04846	-0.06805	-0.06656	-0.29099
# 3	-0.03742	-0.44359	31.93308	-0.08112	-0.03886	-0.10216	-0.05167	-0.35219
Mean	-0.03753	-0.43647	31.96849	-0.10182	-0.02471	-0.08785	-0.05748	-0.29126
%RSD	10.94578	1.41857	0.18669	29.58016	134.29731	20.15940	13.85680	20.87281

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Ti 336.121	Tl 351.921	U 367.007
# 1	-0.31520	-0.03184	-0.13667	-0.18939	25.64680	-0.30350	-9.72072	-5.17000
# 2	-0.42887	-0.04378	-0.08793	-0.20667	25.67505	-0.29355	-9.20536	-5.13536
# 3	-0.46078	-0.06546	-0.04751	-0.22258	25.66317	-0.31105	-10.65392	-6.20840
Mean	-0.40162	-0.04703	-0.09071	-0.20621	25.66168	-0.30270	-9.86000	-5.50459
%RSD	19.05282	36.23639	49.21766	8.04833	0.05527	2.89882	7.44681	11.07742

	V 292.402	W 239.710	Zn 213.857	Zr 343.822
# 1	-0.16878	-0.12758	0.07195	-0.29018
# 2	-0.19021	-0.13490	0.06644	-0.24797
# 3	-0.16449	-0.13945	0.06345	-0.27622
Mean	-0.17449	-0.13397	0.06728	-0.27146
%RSD	7.89611	4.46924	6.41151	7.92194

ANALYST 10/7/96 Date

REVIEW 10/8/96 Date

DATA ENTRY Date

AB534-90C,D,E,F,G
Id. Lot #: ICS Lot #:
AB534-90K,91D AB534-A,C,J
ICV Lot #: CCV Lot #:
LCS & MS/MSD Lot #:

EVOLUTION by Micro-Active Australia Pty Ltd 6:47:36 PM October 7, 1996

INTENSITIES
Identity 1 : STD1 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 6:41:48 PM October 7, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
# 1	-0.08603	-0.01195	-0.01024	-0.48928	-0.00503	-0.16435	-1.39473	5.12703
# 2	-0.11765	-0.03190	0.01713	-0.17440	-0.01024	-0.30511	-1.41802	5.11196
# 3	-0.15456	-0.01633	0.01702	-0.31661	0.03018	-0.10272	-1.38820	5.14515
Mean	-0.11941	-0.02006	0.00797	-0.32676	0.00497	-0.19073	-1.40031	5.12804
%RSD	28.72482	52.26984	197.84067	48.25746	442.08894	54.39217	1.11929	0.32404

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077
# 1	-0.10471	0.02325	-0.05144	-0.19806	0.03221	-0.01319	2.12639	-0.08557
# 2	-0.12627	0.03384	-0.05843	-0.25921	0.00856	-0.03467	2.13135	-0.09683
# 3	-0.11720	0.04312	-0.04076	-0.23304	0.02095	-0.03101	2.13532	-0.11194
Mean	-0.11606	0.03340	-0.05021	-0.23010	0.02057	-0.02629	2.13102	-0.09811
%RSD	9.32664	29.76932	17.72348	13.33366	57.48097	43.69784	0.21004	13.48798

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583
# 1	-0.00706	-0.33113	32.02905	-0.06461	-0.01396	-0.01011	0.01390	-0.28436
# 2	-0.02296	-0.30708	31.92024	-0.05729	0.00940	-0.01550	0.02959	-0.37607
# 3	-0.00785	-0.29624	32.03467	-0.12482	-0.01775	0.01150	0.02906	-0.34239
Mean	-0.01262	-0.31148	31.99466	-0.08224	-0.00744	-0.00470	0.02418	-0.33427
%RSD	70.95890	5.73404	0.20162	45.06179	197.62836	303.88695	36.83109	13.87914

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Ti 336.121	Tl 351.921	U 367.007
# 1	-0.36635	-0.00821	-0.05982	-0.01375	25.31714	-0.24075	-10.71804	-4.92100
# 2	-0.40530	-0.02033	-0.11291	-0.00694	25.32340	-0.27413	-9.11436	-5.40488
# 3	-0.52924	-0.01351	-0.13340	-0.00427	25.39739	-0.23256	-8.31320	-4.17912
Mean	-0.43363	-0.01402	-0.10204	-0.00832	25.34598	-0.24915	-9.38187	-4.83500
%RSD	19.61570	43.33813	37.21375	58.74443	0.17610	8.83846	13.05214	12.76916

	V 292.402	W 239.710	Zn 213.857	Zr 343.822
# 1	-0.11270	0.13507	0.20732	-0.09405
# 2	-0.09979	0.12416	0.22196	-0.13803
# 3	-0.09359	0.13023	0.23011	-0.08057
Mean	-0.10203	0.12982	0.21980	-0.10422
%RSD	9.55541	4.21075	5.25346	28.83186

INTENSITIES
Identity 1 : STD2 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 6:45:34 PM October 7, 1996

	Ag 328.068	Sr 407.771
# 1	62.13783	1181.40776
# 2	61.90294	1180.54912
# 3	62.12114	1179.88304
Mean	62.05397	1180.61331
%RSD	0.21120	0.06474

EVOLUTION by Micro-Active Australia Pty Ltd 6:57:40 PM October 7, 1996

INTENSITIES
Identity 1 : STD3 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 6:49:08 PM October 7, 1996

	Al 308.215	Ca 317.934	Fe 239.562	Mg 279.077
# 1	226.45934	2146.28672	200.42125	323.40942
# 2	226.64138	2150.23072	199.85081	323.17996
# 3	224.98516	2137.58928	198.78939	321.54680
Mean	226.02863	2144.70224	199.68715	322.71206
%RSD	0.40183	0.30158	0.41472	0.31472

INTENSITIES
Identity 1 : STD4 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 6:52:32 PM October 7, 1996

	As 193.761	B 249.773	Pb 220.355	Sb 206.834	Sb 217.583	Sb 252.852	Se 196.091	Tl 351.921
# 1	1.07395	26.27479	13.11158	2.03919	10.08638	71.97944	1.25266	811.52092
# 2	1.07968	26.31615	13.12500	2.13206	10.43220	72.50759	1.24549	807.52884
# 3	1.05138	26.35110	12.94650	2.11905	10.25434	72.56912	1.22033	797.78892
Mean	1.06834	26.31401	13.06103	2.09677	10.25764	72.35205	1.23949	805.61289
%RSD	1.40092	0.14518	0.76112	2.39815	1.68589	0.44802	1.36957	0.87680

# 1	
# 2	
# 3	
Mean	
%RSD	

INTENSITIES
Identity 1 : STD5 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 6:56:24 PM October 7, 1996

	Ba 455.397	Be 313.042	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Mn 259.371	Mo 281.616
# 1	847.74031	810.94732	16.43299	6.83034	22.75332	42.41393	106.19181	12.57000
# 2	857.01719	814.11716	16.59893	6.87317	22.90707	42.55453	106.57518	12.65385
# 3	851.47199	816.86172	16.52566	6.88707	22.78122	42.38890	106.40138	12.70516
Mean	852.07650	813.97540	16.51920	6.86353	22.81387	42.45246	106.38945	12.64300
%RSD	0.54783	0.36362	0.50340	0.43081	0.35905	0.21032	0.18043	0.53965

	Ni 231.605	V 292.402	Zn 213.857
# 1	8.06505	37.09004	2.43087
# 2	8.04763	37.19458	2.47602
# 3	8.06841	37.11522	2.48197
Mean	8.06037	37.13328	2.46295
%RSD	0.13836	0.14692	1.13450

EVOLUTION by Micro-Active Australia Pty Ltd 7:08:42 PM October 7, 1996

INTENSITIES
Identity 1 : STD6 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 7:00:26 PM October 7, 1996

	Au 242.795	Li 670.803	P 213.617	Si 251.611	Sn 242.949	Ti 336.121	U 367.007	W 239.710
# 1	235.08973	412.58688	6.40689	40.39299	3.81972	758.70375	584.65264	5.96053
# 2	234.52313	413.03740	6.33977	42.06055	3.76040	759.61855	569.14848	5.96886
# 3	235.62941	412.06832	6.46266	43.44461	3.81154	762.26687	570.88184	5.96197
Mean	235.08075	412.56420	6.40311	41.96605	3.79722	760.19639	574.89432	5.96379
%RSD	0.23532	0.11754	0.96097	3.64105	0.84666	0.24343	1.47771	0.07471

	Zr 343.822
# 1	394.85146
# 2	392.12910
# 3	392.73234
Mean	393.23764
%RSD	0.36359

INTENSITIES
Identity 1 : STD 7 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 7:03:50 PM October 7, 1996

	K 766.488	Na 589.595
# 1	198.03205	8970.03072
# 2	198.13601	9065.46112
# 3	198.38115	9122.96320
Mean	198.18307	9052.81835
%RSD	0.09044	0.85328

EVOLUTION by Micro-Active Australia Pty Ltd 7:14:44 PM October 7, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LRV1 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:09:24 PM October 7, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	1.99195 L	-0.02136 L	-0.28939 L	-0.01033	0.01206	0.00041	0.00052	0.01304
# 2	1.99414 L	-0.02950 L	-0.20739	0.00085	0.00173	0.00035	0.00053	0.01107
# 3	1.99203 L	-0.03929 L	-0.18264 L	-0.00438	0.00124	0.00037	0.00050	0.01037
Mean	1.99270 L	-0.03005 L	-0.22647 L	-0.00462	0.00501	0.00037	0.00052	0.01149
%RSD	0.06224	29.86432	24.67178	121.11637	121.88836	8.04775	3.16401	12.02929

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00068 L	-0.01480 L	-0.00191 L	-0.00172	0.02727 L	-0.01821	0.00822	0.00236
# 2	0.00186 L	-0.00318 L	-0.00316 L	-0.00205	0.02736 L	-0.01470	0.00683	0.00226
# 3	0.00032 L	-0.01439 L	-0.00282 L	-0.00108	0.02405 L	-0.02372	0.00749 L	-0.00284
Mean	0.00096 L	-0.01079 L	-0.00263 L	-0.00161	0.02623 L	-0.01888	0.00751	0.00059
%RSD	84.26013	61.13218	24.61387	30.54232	7.18703	24.08363	9.27763	499.43740

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.00011 L	-0.00652	0.01005	0.01237	0.06165 L	-0.00464 L	-0.07069	0.19012
# 2 L	-0.00003 L	-0.00648	0.00797	0.00277	0.07005 L	-0.03604 L	-0.15179	0.06874
# 3 L	-0.00022 L	-0.00548	0.00787 L	-0.01136	0.07155 L	-0.05153	0.04356	0.11635
Mean L	-0.00012 L	-0.00616	0.00863	0.00126	0.06775 L	-0.03074 L	-0.05964	0.12507
%RSD	78.27205	5.62120	14.25713	947.82452	7.87480	77.72296	164.56088	48.89724

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.00081	0.08162	0.04745 L	-0.04722 H	0.50094	205.08650	0.00388 L	-0.00907
# 2	0.00549	0.01273	0.05900	0.01907	0.49888	204.30228	0.00372	0.00788
# 3	0.01629	0.26925	0.05626	0.03096	0.49614	205.06982	0.00394 L	-0.02263
Mean	0.00699	0.12120	0.05423	0.00094	0.49866	204.81953	0.00385 L	-0.00794
%RSD	123.67023	109.53885	11.12766	4504.52011	0.48287	0.21874	3.01146	192.58631

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.02236 L	-0.00070 L	-0.00990 L	-0.18254	0.00307
# 2 L	-0.08679 L	-0.00287	0.01365 L	-0.20207	0.00480
# 3 L	-0.04804 L	-0.00213 L	-0.01187 L	-0.19533	0.00486
Mean L	-0.05240 L	-0.00190 L	-0.00271 L	-0.19331	0.00424
%RSD	61.89773	58.19661	524.93155	5.13209	23.93612

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LRV2 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:14:34 PM October 7, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00159	99.53835 L	-0.03187	0.00881	0.01142	0.00417	0.00017	99.90397
# 2	0.00257	99.37558 L	-0.08723 L	-0.00147	0.02686	0.00431	0.00018	99.61097
# 3	0.00045	99.36822 L	-0.00768	0.00050	0.00434	0.00399	0.00016	99.50831
Mean	0.00154	99.42738 L	-0.04226	0.00261	0.01421	0.00416	0.00017	99.67442
%RSD	68.92257	0.09673	96.49101	208.80084	81.07011	3.87034	7.40447	0.20599

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00819	0.01520	0.00711 L	-0.00318	97.25341 H	105.13478	0.01126	99.60056
# 2	0.00686	0.01798	0.00538 L	-0.00604	98.62926 H	104.97677	0.01001	99.73518
# 3	0.00558	0.02283	0.00630 L	-0.00171	99.14738 H	104.95281	0.00969	99.79634
Mean	0.00688	0.01867	0.00626 L	-0.00364	98.34335 H	105.02145	0.01032	99.71069
%RSD	19.02960	20.66290	13.77416	60.50864	0.99531	0.09414	8.03993	0.10045

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00625 L	-0.06097 H	103.55639	0.00549 L	-0.03672	0.00928	0.23689	0.20752
# 2	0.00388 L	-0.06171 H	104.89813 L	-0.00695 L	-0.20232	0.08103	0.12853	0.20871
# 3	0.00347 L	-0.06773 H	105.17844	0.00296 L	-0.07032	0.10708	0.22094	0.11506
			104.54432	0.00050 L	-0.10312	0.06580	0.19545	0.17710

# 1	0.00625 L	-0.06097 H	103.93839	0.00549 L	-0.03672	0.00928	0.23869		0.19736
# 2	0.00388 L	-0.06171 H	104.89813 L	-0.00695 L	-0.20232	0.08103	0.12853		0.20871
# 3	0.00347 L	-0.06773 H	105.17844	0.00296 L	-0.07032	0.10708	0.22094		0.11506
Mean	0.00453 L	-0.06347 H	104.54432	0.00050 L	-0.10312	0.06580	0.19545		0.17710
%RSD	33.01834	5.84767	0.82929	1309.57786	84.88733	76.97481	29.93214		30.33676

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 L	-0.18421	0.61959	0.00314	0.04228	0.00510	116.25404	0.00307	0.01890
# 2 L	-0.13015	0.71644	0.02625	0.13565	0.00510	116.65193	0.00382 L	-0.01096

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# 3 L	-0.14042	0.81697	0.01226	0.10747	0.00511	116.23351	0.00323 L	-0.04144
Mean L	-0.15159	0.71766	0.01388	0.09514	0.00511	116.37983	0.00337 L	-0.01117
%RSD	18.93770	13.75256	83.87311	50.34146	0.11506	0.20267	11.66184	270.13057

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.66309	0.00412	0.00219	0.01754	0.00561
# 2	0.65977	0.00497	0.01531	0.04080	0.00113
# 3	0.73164	0.00439	0.02982	0.04847	0.00099
Mean	0.68483	0.00450	0.01577	0.03560	0.00258
%RSD	5.92369	9.67814	87.62782	45.23934	102.00157

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LRV3 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:19:42 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00542 L	-0.15379	19.61054	0.32468 H	20.14991 H	18.42398 H	17.96693	0.05528
# 2	0.00501 L	-0.15166	19.47828	0.32997 H	20.19195 H	18.44040 H	17.97370	0.05186
# 3	0.00700 L	-0.14936	19.98747	0.32346 H	20.21377 H	18.48377 H	17.93466	0.05050
Mean	0.00581 L	-0.15161	19.69210	0.32604 H	20.18521 H	18.44939 H	17.95843	0.05254
%RSD	18.04162	1.46155	1.34169	1.06202	0.16082	0.16743	0.11617	4.68711

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1 H	19.04215 H	19.37674 H	19.39625 H	19.23942	0.10709	0.07729	0.00878	0.05772
# 2 H	19.09240 H	19.41150 H	19.36575 H	19.24537	0.06620	0.06915	0.00729	0.04193
# 3 H	19.01087 H	19.33066 H	19.35095 H	19.21266	0.05802	0.07840	0.00589	0.02236
Mean H	19.04847 H	19.37297 H	19.37098 H	19.23248	0.07710	0.07494	0.00732	0.04067
%RSD	0.21592	0.20930	0.11924	0.09061	34.09454	6.73830	19.78297	43.54324

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	18.96258 H	19.67825	0.04483 H	19.07670	4.49281 H	20.21372 H	20.33739	19.43020
# 2 H	19.01118 H	19.72574	0.04316 H	19.15580	4.51880	19.96764 H	20.54009 H	20.10098
# 3 H	18.93334 H	19.75958	0.04099 H	19.33439	4.49946 H	20.31940 H	20.71679	19.24674
Mean H	18.96903 H	19.72119	0.04299 H	19.18897	4.50369 H	20.16692 H	20.53142	19.59264
%RSD	0.20726	0.20717	4.46946	0.68794	0.29978	0.89498	0.92468	2.29522

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	19.82090 H	21.10812	2.48917 L	-0.79215	0.00049	115.77786	0.00455	19.92780
# 2 H	20.22986 H	20.55136	2.49145 L	-0.77828	0.00048	115.34017	0.00406	19.93940
# 3 H	20.00372	19.05469	2.42870 L	-0.72809	0.00045	115.44157	0.00466	19.98307
Mean H	20.01816 H	20.23806	2.46977 L	-0.76617	0.00048	115.51987	0.00442	19.95009
%RSD	1.02336	5.24734	1.44109	4.39892	4.44401	0.19833	7.26839	0.14611

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.01045 H	19.64821	0.03337 H	19.01053	0.00061
# 2 L	-0.12168 H	19.68675	0.09464 H	19.03922	0.00076
# 3 L	-0.09520 H	19.58980	0.10510 H	19.00914	0.00088
Mean L	-0.07578 H	19.64159	0.07771 H	19.01963	0.00075
%RSD	76.67637	0.24852	49.86506	0.08928	18.06903

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LRV4 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:24:48 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00014 L	-0.05552	1.77437	0.03597	2.18978	1.99130	1.98411	0.01957
# 2 L	-0.00078 L	-0.02981	1.71580	0.03182	2.17261	1.97618	1.99584	0.01703
# 3 L	-0.00225 L	-0.03723	1.48303	0.03347	2.21032	1.99682	1.99448	0.01893
Mean L	-0.00106 L	-0.04085	1.65773	0.03376	2.19090	1.98810	1.99148	0.01851
%RSD	102.09447	32.39270	9.29621	6.18350	0.86180	0.53749	0.32224	7.13452

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm

Mean	L	-0.00106 L	-0.04085	1.85773	0.03376	2.19090	1.98619	1.99476	
%RSD		102.09447	32.39270	9.29621	6.18350	0.86180	0.53749	0.32224	7.13452

		Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1		1.99813	1.98432	1.98791	1.98100	0.01314	0.04587	0.00848 L	-0.00896
# 2	H	2.00407	1.96472	1.98429	1.97941	0.01312	0.05112	0.00707 L	-0.01888
# 3	H	2.00035	1.98998	1.99812	1.99851	0.00596	0.03093	0.00698 L	-0.00962
Mean	H	2.00085	1.97967	1.99010	1.98631	0.01074	0.04264	0.00751 L	-0.01249
%RSD		0.14993	0.66967	0.36032	0.53358	38.55339	24.56356	11.20489	44.44505

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		Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1		1.97401 H	2.00994	0.00035 H	2.03544	0.53867	2.02611	1.87794	2.20461
# 2		1.97629 H	2.01522 L	-0.00120 H	2.03124	0.55526	1.95667	1.89911	2.02832
# 3		1.98471 H	2.02338 L	-0.00102	1.96773	0.52577	2.03127	2.00109	2.02949
Mean		1.97834 H	2.01618 L	-0.00062 H	2.01147	0.53990	2.00468	1.92604	2.08747
%RSD		0.28474	0.33599	135.48802	1.88605	2.73801	2.07819	3.41867	4.85959

		Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1		2.08085	1.79685	0.26648 L	-0.07366	0.00009	114.72537	0.00036	2.01853
# 2		2.10820	2.34873	0.28550 L	-0.16303	0.00009	114.38267	0.00066	1.97002
# 3		2.09124	2.51686	0.35256 L	-0.09712	0.00011	114.51230	0.00071	2.02822
Mean		2.09343	2.22081	0.30151 L	-0.11127	0.00009	114.54011	0.00058	2.00559
%RSD		0.65966	16.96056	14.99664	41.64195	13.90226	0.15107	33.40593	1.55474

		U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	L	-0.06151	1.99870 L	-0.00026	1.95697 L	-0.00063
# 2	L	-0.04065 H	2.00309	0.02104	1.93616	0.00058
# 3	L	-0.03454 H	2.00700	0.02381	1.95357 L	-0.00163
Mean	L	-0.04556 H	2.00293	0.01486	1.94890 L	-0.00056
%RSD		31.03177	0.20729	88.63393	0.57277	198.57104

EVOLUTION by Micro-Active Australia Pty Ltd 7:35:48 PM October 7, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LRV5 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:29:54 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.03155 L	-0.46358 L	-0.38499	19.73435 L	-0.68176	0.00678	0.00299	0.04939
# 2	0.03088 L	-0.44755 L	-0.60246	19.69177 L	-0.68656	0.00694	0.00301	0.05130
# 3	0.03108 L	-0.47096 L	-0.36780	19.70702 L	-0.69352	0.00695	0.00325	0.05313
Mean	0.03117 L	-0.46070 L	-0.45175	19.71105 L	-0.68728	0.00689	0.00308	0.05127
%RSD	1.09816	2.59784	28.95425	0.10946	0.86056	1.39555	4.66569	3.63929

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00191 L	-0.02296	0.00865	0.01905	0.01917	0.10317	19.93493 L	-0.07537
# 2	0.00122 L	-0.01012	0.00726	0.02263	0.01457	0.10181	19.95457 L	-0.06966
# 3 L	-0.00113 L	-0.00924	0.00554	0.02041	0.01018	0.09247	19.99241 L	-0.06172
Mean	0.00067 L	-0.01411	0.00715	0.02070	0.01464	0.09915	19.96064 L	-0.06892
%RSD	239.26825	54.41489	21.83091	8.75058	30.69546	5.87805	0.14637	9.94955

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 L	-0.00206 L	-0.05522	0.03809	0.00453	19.23942	0.07540	0.31828	0.22681
# 2 L	-0.00256 L	-0.05873	0.03756	0.00060	19.59451	0.05577	0.08870	0.24491
# 3 L	-0.00193 L	-0.05770	0.03517	0.00129	19.30965	0.02055	0.41987	0.16210
Mean L	-0.00219 L	-0.05721	0.03694	0.00214	19.38119	0.05057	0.27562	0.21128
%RSD	15.22656	3.14680	4.21088	97.94969	0.97025	54.94994	61.55442	20.60578

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	8.39431 L	-0.05599 H	20.84719	19.86109	0.00515	116.55824	19.99852 L	-0.03927
# 2	8.66053	0.51346 H	21.46836	19.93418	0.00517	115.87027	19.93351 L	-0.04603
# 3	8.82203	0.34820 H	21.75691 H	20.13206	0.00523	115.67389	19.82144 L	-0.06598
Mean	8.62562	0.26856 H	21.35749	19.97578	0.00518	116.03413	19.91783 L	-0.05043
%RSD	2.50402	109.08719	2.17666	0.70181	0.78185	0.40022	0.44973	27.53522

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	19.72015	0.00455 H	20.30619 L	-0.00200	19.80372
# 2	19.94191	0.00428 H	20.44909 L	-0.00110	19.81318
# 3 H	20.00393	0.00442 H	20.48317	0.00578	19.84862
Mean	19.88867	0.00441 H	20.41282	0.00089	19.82184
%RSD	0.75014	3.03624	0.46001	475.52341	0.11941

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LRV6 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:35:00 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00057 L	-0.02058	0.20846	0.01220	0.06136	0.00032	0.00017	0.00102
# 2	0.00089 L	-0.04438	0.55799	0.00443	0.07286	0.00037	0.00017 L	-0.00020
# 3 L	-0.00155 L	-0.03448	0.45502	0.00866	0.05389	0.00040	0.00025	0.00015
Mean L	-0.00003 L	-0.03315	0.40716	0.00843	0.06270	0.00036	0.00020	0.00032
%RSD	4058.24746	36.07475	44.11431	46.15134	15.24573	10.88973	21.72234	192.32988

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00123 L	-0.00703	0.00125 L	-0.00271	0.00127	99.89371	0.01411 L	-0.00344
# 2 L	-0.00145	0.00706	0.00237	0.00146	0.00206	99.71887	0.01347 L	-0.00916
# 3 L	-0.00037	0.01212	0.00270 L	-0.00063	0.00524	99.96300	0.01263	0.00008
Mean L	-0.00020	0.00405	0.00210 L	-0.00063	0.00286	99.85853	0.01340 L	-0.00417
%RSD	683.02481	244.98525	36.16787	332.39478	73.62294	0.12599	5.53609	111.78970

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00174 L	-0.00142 H	100.81458	0.00081	0.09021	0.05444	0.00809	0.14327
# 2	0.00107 L	-0.00423 H	100.01494	0.00238 L	-0.08280	0.09124	0.04211	0.13526
# 3	0.00138 L	-0.00325	98.81051 L	-0.00916 L	-0.02871	0.06839 L	-0.06992	0.11554
			99.88001 L	-0.00199 L	-0.00710	0.07136 L	-0.00657	0.13469

# 1	0.00174 L	50.00142 B	100.81458		0.00081		0.09021		0.03444		
# 2	0.00107 L	-0.00423 B	100.01494		0.00238 L		-0.08280		0.09124	0.04211	0.13526
# 3	0.00138 L	-0.00325	98.81051 L		-0.00916 L		-0.02871		0.06839 L	-0.06992	0.12554
Mean	0.00140 L	-0.00297	99.88001 L		-0.00199 L		-0.00710		0.07136 L	-0.00657	0.13469
%RSD	24.16406	48.12381	1.01004		314.79581		1246.08099		26.03590	873.82869	6.58940

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.12968	0.35444	0.25882 L	-0.06962	0.00030	114.50332	0.00991 L	-0.01634
# 2	0.10131	0.38768	0.21984 L	-0.04164	0.00029	114.27870	0.00890	0.01836

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# 3	0.12801	0.28715	0.15256 L	-0.03209	0.00035	114.14393	0.00889 L	-0.00558
Mean	0.11967	0.34309	0.21041 L	-0.04779	0.00031	114.30865	0.00923 L	-0.00119
%RSD	13.30262	14.92800	25.54735	40.82020	8.89223	0.15883	6.37447	1498.30414

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.02861	0.00050	0.09050	0.00047	0.00789
# 2 L	-0.10158	0.00141	0.06705	0.01261	0.00426
# 3 L	-0.05588	0.00164	0.06829	0.00586	0.00572
Mean L	-0.06202	0.00119	0.07528	0.00632	0.00596
%RSD	59.45052	50.81240	17.52807	96.28723	30.68202

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVH Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:40:08 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00146	53.26660	0.63073 L	-0.01785	0.01896	0.00235	0.00021	53.91009
# 2	0.00028	53.09481	0.66077 L	-0.00305	0.01759	0.00270	0.00021	53.65269
# 3 L	-0.00026	53.19457	0.94682 L	-0.01211	0.00803	0.00232	0.00024	53.39829
Mean	0.00050	53.18533	0.74611 L	-0.01100	0.01486	0.00246	0.00022	53.65369
%RSD	177.33751	0.16220	23.38400	67.83426	40.07088	8.65295	8.98564	0.47695

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00388	0.00139	0.00367 L	-0.00484	49.46235	53.24239	0.01058	48.28923
# 2	0.00423	0.00773	0.00191 L	-0.00227	49.14327	53.46321	0.01071	48.55768
# 3	0.00473	0.00826	0.00229 L	-0.00455	49.19656	53.19383	0.00883	48.38970
Mean	0.00428	0.00580	0.00263 L	-0.00389	49.26739	53.29981	0.01004	48.41220
%RSD	9.99432	65.96285	35.27410	36.28238	0.34695	0.26938	10.46311	0.28016

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00069 L	-0.04095	50.69283 L	-0.00630	0.00115	0.03984	0.03158	0.31180
# 2	0.00037 L	-0.03583	50.95748 L	-0.00380 L	-0.00317	0.06864 L	-0.06296	0.09371
# 3	0.00165 L	-0.03621	51.21502 L	-0.02661 L	-0.05371	0.09297	0.18856	0.37261
Mean	0.00091 L	-0.03766	50.95511 L	-0.01224 L	-0.01858	0.06715	0.05239	0.25937
%RSD	73.56533	7.57513	0.51241	102.25390	164.19291	39.60724	242.49031	56.54197

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 L	-0.05764	0.46328	0.10147 L	-0.03758	0.00182	114.70355	0.00532 L	-0.00451
# 2 L	-0.00323	0.61623	0.13757 L	-0.05395	0.00181	115.13610	0.00540 L	-0.01882
# 3 L	-0.01971	0.29562	0.09194 L	-0.03776	0.00181	115.19257	0.00620 L	-0.02008
Mean L	-0.02686	0.45838	0.11033 L	-0.04310	0.00182	115.01074	0.00564 L	-0.01447
%RSD	103.87679	34.98437	21.81403	21.80924	0.23880	0.23261	8.56028	59.77189

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.28649	0.00417	0.01783	0.13386	0.00421
# 2	0.34321	0.00247	0.00402	0.15418	0.00146
# 3	0.30336	0.00452	0.03966	0.15540	0.00260
Mean	0.31102	0.00372	0.02050	0.14781	0.00276
%RSD	9.36493	29.49690	87.64650	8.18391	50.29441

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVC Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:45:18 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.01459 L	-0.20317	0.85160	7.12462 L	-0.32491	0.00235	0.00009	0.08894
# 2	0.01476 L	-0.19689	0.70215	7.15827 L	-0.31330	0.00210	0.00011	0.08984
# 3	0.01396 L	-0.20680	0.97762	7.09891 L	-0.32033	0.00159	0.00010	0.08972
Mean	0.01443 L	-0.20229	0.84379	7.12727 L	-0.31951	0.00201	0.00010	0.08950
%RSD	2.92708	2.47831	16.34305	0.41764	1.82914	19.46071	11.66261	0.54744

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm

Mean	0.01443 L	-0.20229	0.84379	7.12727 L	-0.31951	0.00201	[illegible]	[illegible]
%RSD	2.92708	2.47831	16.34305	0.41764	1.82914	19.46071	11.66261	0.54744

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00496 L	-0.01546	0.00320	0.00628	0.03508	0.09922	9.81439 L	-0.01437
# 2	0.00670	0.00060	0.00339	0.00788	0.03894	0.11222	9.79738 L	-0.01184
# 3	0.00631	0.00296	0.00315	0.00625	0.03955	0.10019	9.76717 L	-0.01346
Mean	0.00599 L	-0.00397	0.00324	0.00680	0.03786	0.10387	9.79298 L	-0.01322
%RSD	15.20881	252.48243	3.81803	13.65964	6.40584	6.97036	0.24422	9.68481

EVOLUTION by Micro-Active Australia Pty Ltd 7:45:52 PM October 7, 1996

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.00193 L	-0.04346	0.06058 L	-0.01005	8.47077	0.01062 L	-0.32791	0.32909
# 2 L	-0.00199 L	-0.04064	0.06519 L	-0.00561	8.40243	0.04220 L	-0.06199	0.23157
# 3 L	-0.00072 L	-0.04126	0.06925 L	-0.00888	8.38868 L	-0.02178 L	-0.18901	0.29715
Mean L	-0.00154 L	-0.04178	0.06501 L	-0.00818	8.42063	0.01034 L	-0.19297	0.28594
%RSD	46.50853	3.54117	6.67410	28.14631	0.52211	309.27075	68.92433	17.38636

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1 H	28.89424	0.65139 H	71.86123	9.18314	0.00338	117.45542	11.03613 L	-0.01200
# 2 H	29.26234	0.41933 H	72.61275	9.44870	0.00339	117.03186	11.06935 L	-0.02722
# 3 H	29.88545	0.31288 H	73.72028	9.41415	0.00336	118.01503	11.07259 L	-0.04125
Mean H	29.34734	0.46120 H	72.73142	9.34867	0.00338	117.50077	11.05936 L	-0.02682
%RSD	1.70729	37.53152	1.28581	1.54444	0.48640	0.41970	0.18246	54.54866

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1	9.03388	0.00178	9.64026	0.00941	9.34711
# 2	9.09700	0.00234	9.66029	0.01454	9.37994
# 3	8.85282	0.00231	9.67804	0.02563	9.37543
Mean	8.99457	0.00215	9.65953	0.01653	9.36749
%RSD	1.40918	14.59204	0.19569	50.16543	0.18997

EVOLUTION by Micro-Active Australia Pty Ltd 7:55:52 PM October 7, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:50:26 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	L -0.00210	L -0.01221	10.01087	0.00561	0.03708	0.00011	0.00025	0.65714
# 2	L -0.00162	L -0.02121	10.82140	L -0.01259	0.03959	0.00045	0.00024	0.66094
# 3	L -0.00392	L -0.02357	10.20358	0.01163	0.03904	0.00022	0.00025	0.65715
Mean	L -0.00255	L -0.01900	10.34528	0.00155	0.03857	0.00026	0.00025	0.65841
%RSD	47.57947	31.56436	4.09308	814.58547	3.41165	66.43657	2.38077	0.33314

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00226 L	-0.01533	0.00078 L	-0.00313	0.00375	0.05251	0.01339	0.02806
# 2	0.00205 L	-0.00664 L	-0.00092 L	-0.00212	0.00476	0.04897	0.01153	0.01917
# 3	0.00179 L	-0.00691 L	-0.00047 L	-0.00251	0.00231	0.06017	0.00988	0.01613
Mean	0.00204 L	-0.00963 L	-0.00020 L	-0.00259	0.00361	0.05389	0.01160	0.02112
%RSD	11.55173	51.30962	440.18598	19.66967	34.16287	10.62520	15.11777	29.34933

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00037 L	-0.01524	0.01168	0.00158	0.03783	0.10502	10.51449	10.11631
# 2	0.00086 L	-0.01421	0.00938	0.00253	0.07609	0.11527	10.53034	10.49892
# 3	0.00049 L	-0.01242	0.00795 L	-0.00019	0.10430	0.08672	10.87611	9.94914
Mean	0.00057 L	-0.01396	0.00967	0.00131	0.07274	0.10234	10.64031	10.18812
%RSD	45.09697	10.22572	19.45505	105.47853	45.86846	14.13395	1.92059	2.76636

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	7.13995	10.78953	0.50582 L	-0.03792	0.00052	116.72124	0.00636	10.28995
# 2	7.13506	10.73040	0.54547 L	-0.07356	0.00056	115.75989	0.00573	10.08201
# 3	7.19260	10.27202	0.44375 L	-0.07477	0.00055	115.96140	0.00616	10.33460
Mean	7.15587	10.59732	0.49835 L	-0.06208	0.00054	116.14751	0.00609	10.23552
%RSD	0.44578	2.67296	10.28894	33.72343	3.31865	0.43649	5.28246	1.31701

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.03228 L	-0.00144	0.02260	0.02016	0.00410
# 2	L -0.03286 L	-0.00179	0.01341	0.01750	0.00291
# 3	L -0.02024	0.00001	0.00347	0.00583	0.00482
Mean	L -0.00694 L	-0.00107	0.01316	0.01450	0.00394
%RSD	497.91079	89.07579	72.72273	52.58328	24.47046

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:55:34 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.98560	0.00272	0.99406	0.03914	0.02430	1.00319	0.98724	1.14071
# 2	0.98579	0.01118	0.18787	0.01962	0.00786	1.01022	0.98485	1.14257
# 3	0.98665	0.01475	0.75883	0.03468	0.01714	1.00451	0.98755	1.14474
Mean	0.98601	0.00955	0.64692	0.03115	0.01643	1.00598	0.98655	1.14267
%RSD	0.05681	64.67948	64.08594	32.84147	50.16198	0.37114	0.14990	0.17625

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.98418	0.97366	0.99309	0.98636	1.03458	0.12239	1.00929	0.98448
# 2	0.97780	0.97874	0.99271	0.98776	1.02370	0.11305	1.01500	0.98602
# 3	0.98459	1.00901	0.99441	0.98826	1.01840	0.10518	1.01289	0.98905
Mean	0.98219	0.98714	0.99341	0.98746	1.02556	0.11354	1.01239	0.98652
%RSD	0.38749	1.93610	0.08966	0.09952	0.80433	7.58793	0.28514	0.23565

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.98097	0.98139	0.02591	0.99464	1.18198	0.90707	0.92764	0.93744
# 2	0.97518	0.98243	0.02628	0.96264	1.07531	0.97877	0.43495	0.96102
# 3	0.97818	0.99032	0.02602	0.97748	1.06919	0.99200	0.52862	0.94578
					1.10883	0.95928	0.63040	0.92808

# 1	0.98097	0.98139	0.02591	0.99484	1.18198	0.90707	0.92769	0.93749
# 2	0.97518	0.98243	0.02628	0.96264	1.07531	0.97877	0.43495	0.96102
# 3	0.97818	0.99032	0.02602	0.97748	1.06919	0.99200	0.52862	0.88578
Mean	0.97811	0.98471	0.02607	0.97826	1.10883	0.95928	0.63040	0.92808
%RSD	0.29589	0.49591	0.73926	1.63701	5.72008	4.76368	41.50386	4.14658

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	1.12284	0.46088	0.45049	0.59608 H	0.98886	297.08542	1.13359	0.95654
# 2	1.10147	0.78596	0.53345	0.63246 H	0.98983	296.90444	1.13293	0.98711

EVOLUTION by Micro-Active Australia Pty Ltd 7:55:54 PM October 7, 1996

# 3	1.08037	0.65027	0.45971	0.74534 H	0.99365	295.92126	1.13085	0.99356
Mean	1.10156	0.63237	0.48122	0.65796 H	0.99078	296.63704	1.13246	0.97907
%RSD	1.92765	25.82009	9.44908	11.82879	0.25565	0.21119	0.12634	2.02027

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.06487	0.99478 L	-0.01149	0.98717	0.00145
# 2 L	-0.04800	0.99908	0.03569	0.98879	0.00252
# 3 L	-0.04030	0.99597 L	-0.01512	0.98425	0.00234
Mean L	-0.05106	0.99661	0.00303	0.98674	0.00210
%RSD	24.61909	0.22288	936.10691	0.23341	27.30615

EVOLUTION by Micro-Active Australia Pty Ltd 8:05:56 PM October 7, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVSR Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:00:44 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00571 L	-0.01948 L	-0.61190 L	-0.00336	1.05889	0.00060	0.00028	1.29090
# 2	0.00273 L	-0.01087 L	-0.70788 L	-0.00622	1.04809	0.00018	0.00026	1.29458
# 3	0.00272 L	-0.01545 L	-0.77760 L	-0.00018	1.03240	0.00054	0.00033	1.29741
Mean	0.00372 L	-0.01527 L	-0.69913 L	-0.00326	1.04646	0.00044	0.00029	1.29430
%RSD	46.42867	28.22268	11.89979	92.79421	1.27321	51.09468	11.85571	0.25199

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00340 L	-0.00481	0.00169 L	-0.00009	0.01142	0.06245	0.00831	0.00866
# 2	0.00305	0.00028	0.00039 L	-0.00034	0.01382	0.05948	0.00728	0.01418
# 3	0.00365	0.00808	0.00459 L	-0.00013	0.00841	0.06991	0.00715	0.01312
Mean	0.00337	0.00118	0.00223 L	-0.00018	0.01122	0.06395	0.00758	0.01199
%RSD	8.86704	549.05608	96.67985	72.52598	24.16355	8.40099	8.40297	24.45105

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00074 L	-0.00438	0.01231	0.01102	0.01300	0.02521 L	-0.31071	0.23536
# 2	0.00039 L	-0.00544	0.01153	0.01163	0.08309	0.05241 L	-0.11293	0.16489
# 3	0.00089 L	-0.00461	0.00909 L	-0.00572	0.06719	0.01289 L	-0.31438	0.08177
Mean	0.00067 L	-0.00481	0.01098	0.00564	0.05443	0.03017 L	-0.24601	0.16067
%RSD	37.95311	11.61521	15.29556	174.48569	67.51967	67.03690	46.85188	47.84858

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.09950	0.01177	0.09383	0.02543	0.24929	160.68824	0.00107 L	-0.01618
# 2	0.03981	0.25886	0.07119	0.03257	0.24919	159.94637	0.00125 L	-0.04062
# 3	0.05444	0.20260	0.05574	0.06248	0.25078	159.99643	0.00168 L	-0.02345
Mean	0.06458	0.15775	0.07359	0.04016	0.24975	160.21035	0.00133 L	-0.02675
%RSD	48.17561	82.09875	26.03466	48.95371	0.35754	0.25880	23.57629	46.92247

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.00301 L	-0.00103	0.03458	0.06260	0.00128
# 2	0.02112 L	-0.00093	0.03489	0.07071	0.00020
# 3 L	-0.03449 L	-0.00045	0.07147	0.07158	0.00037
Mean L	-0.00345 L	-0.00080	0.04698	0.06830	0.00061
%RSD	821.25035	38.91865	45.13814	7.25622	94.15423

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:05:52 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00030 L	-0.00963	0.04635 L	-0.00651	0.03373	0.00011 L	-0.00004	0.55690
# 2 L	-0.00126 L	-0.00848 L	-0.32547 L	-0.00981	0.02539	0.00000	0.00005	0.56254
# 3 L	-0.00255 L	-0.00470 L	-0.13673	0.00142	0.01501	0.00008 L	-0.00002	0.57155
Mean L	-0.00137 L	-0.00760 L	-0.13862 L	-0.00496	0.02471	0.00006 L	-0.00000	0.56366
%RSD	82.05252	33.87546	134.12606	116.31174	37.94660	90.41665	1144.99153	1.31087

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00113 L	-0.00363 L	-0.00007 L	-0.00428	0.01491	0.04921	0.00757 L	-0.00096
# 2	0.00299	0.00596 L	-0.00031 L	-0.00107	0.01581	0.04125	0.00710	0.00312
# 3 L	-0.00235	0.01121	0.00021 L	-0.00166	0.01643	0.04864	0.00576	0.00511
Mean	0.00059	0.00451 L	-0.00006 L	-0.00234	0.01571	0.04637	0.00681	0.00242
%RSD	459.73164	166.67173	433.44263	72.98401	4.86076	9.57369	13.80788	127.80065

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 L	-0.00015 L	-0.00521	0.02121	0.00218	0.11390	0.01244	0.18943	0.17052
# 2 L	-0.00031 L	-0.00425	0.02199 L	-0.00091	0.10233	0.05070	0.34138	0.14733
# 3 L	-0.00019	-0.00100	0.02240	-0.01052	0.09404	0.01591	0.14883	0.09426
				0.00393	0.10342	0.02635	0.22655	0.13737

# 1	L	-0.00015	L	-0.00521	0.02121	0.00218	0.11390	0.01244	0.18943	0.17052
# 2	L	-0.00031	L	-0.00425	0.02199	L -0.00091	0.10233	0.05070	0.34138	0.14733
# 3	L	-0.00019		-0.00100	0.02240	-0.00052	0.09404	0.01591	0.14883	0.09426
Mean	L	-0.00022	L	-0.00282	0.02187	0.00393	0.10342	0.02635	0.22655	0.13737
%RSD		38.72056		118.56407	2.74594	150.29501	9.64501	80.30346	84.80380	28.45594

	Sb 252.852		Sa 196.091		Si 251.611		Sn 242.949		Sr 407.771	Sr 460.732		Ti 336.121		Tl 351.921
	ppm		ppm		ppm		ppm		ppm	ppm		ppm		ppm
# 1	0.02496		0.20820		0.08344	L	-0.03314		0.00030	115.45569		0.00104	L	-0.00102
# 2	0.01395	L	-0.02834		0.06780	L	-0.01346		0.00036	114.47893	L	-0.00019		0.01616

EVOLUTION by Micro-Active Australia Pty Ltd 8:05:56 PM October 7, 1996

# 3	0.01866	L	-0.38843	0.08699	L	-0.02799	0.00038	114.81008	0.00053	L -0.02905
Mean	0.01919	L	-0.06952	0.07941	L	-0.02486	0.00035	114.91490	0.00046	L -0.00463
%RSD	28.79026		432.13564	12.85656		41.04858	13.06688	0.43227	134.11511	492.32908

	U 367.007		V 292.402		W 239.710	Zn 213.857	Zr 343.822
	ppm		ppm		ppm	ppm	ppm
# 1	L -0.02334	L	-0.00231	L	-0.00413	0.02280	0.00293
# 2	L -0.05929	L	-0.00272		0.01262	0.03846	0.00292
# 3	L -0.02763	L	-0.00275		0.02605	0.03613	0.00211
Mean	L -0.03675	L	-0.00259		0.01151	0.03246	0.00265
%RSD	53.42866		9.49315		131.36374	26.02259	17.83580

EVOLUTION by Micro-Active Australia Pty Ltd 8:16:58 PM October 7, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CRI Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:11:06 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.01916 L	-0.03728	0.11324	0.01076	0.02439	0.00026	0.00976	0.00940
# 2	0.01858 L	-0.03846	0.49791 L	-0.00026	0.02515	0.00013	0.00970	0.00845
# 3	0.01930 L	-0.03964 L	-0.02601	0.00268	0.02429	0.00017	0.00969	0.00872
Mean	0.01902 L	-0.03846	0.19505	0.00439	0.02461	0.00019	0.00972	0.00886
%RSD	2.01644	3.06851	139.13278	128.94041	1.90596	35.61435	0.34837	5.53757

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01246	0.09624	0.02015	0.04859 L	-0.00284	0.05455	0.00813 L	-0.00181
# 2	0.01068	0.10158	0.01581	0.04890	0.00001	0.05258	0.00700 L	-0.00885
# 3	0.01029	0.10700	0.02018	0.04807	0.00036	0.05538	0.00645 L	-0.00398
Mean	0.01114	0.10161	0.01871	0.04852 L	-0.00082	0.05417	0.00720 L	-0.00488
%RSD	10.42181	5.29603	13.42311	0.86168	213.17013	2.66024	11.85767	73.88398

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.02963 L	-0.00312 L	-0.00380	0.08066 L	-0.08184	0.01333	0.06290	0.19897
# 2	0.02885 L	-0.00468 L	-0.00552	0.06946	0.04450	0.04165	0.45747	0.09000
# 3	0.02972 L	-0.00594 L	-0.00631	0.05939 L	-0.10245	0.10024 L	-0.09157	0.05004
Mean	0.02940 L	-0.00458 L	-0.00521	0.06984 L	-0.04660	0.05174	0.14293	0.11300
%RSD	1.62277	30.86167	24.63858	15.23904	170.74490	85.66790	198.09269	68.21538

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.17572	0.86060	0.24706 L	-0.12373 L	-0.00007	114.29924	0.00006	0.05265
# 2	0.20382	0.59130	0.23112 L	-0.09434 L	-0.00006	113.98991 L	-0.00010	0.06350
# 3	0.20250	0.15034	0.24564 L	-0.05256 L	-0.00006	113.66133 L	-0.00005	0.07052
Mean	0.19402	0.53408	0.24127 L	-0.09021 L	-0.00006	113.98349 L	-0.00003	0.06222
%RSD	8.17443	67.13793	3.65563	39.64895	6.09987	0.27987	308.78307	14.46772

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.01785	0.09595 L	-0.01757	0.04069	0.00269
# 2 L	-0.00686	0.09486 L	-0.00303	0.04500	0.00140
# 3 L	-0.04561	0.09755	0.02388	0.06344	0.00084
Mean L	-0.02344	0.09612	0.00109	0.04971	0.00164
%RSD	85.19410	1.41052	1922.66824	24.31242	57.59061

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:16:12 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00265 H	430.45666 L	-1.04154 L	-0.00617	0.00486	0.01070	0.00020 H	437.37936
# 2	0.00226 H	427.30043 L	-0.35835 L	-0.00835	0.01648	0.01054	0.00020 H	434.56038
# 3	0.00132 H	423.22580 L	-0.64856 L	-0.01813 L	-0.02330	0.01065	0.00020 H	437.68196
Mean	0.00208 H	426.99430 L	-0.68282 L	-0.01089 L	-0.00065	0.01063	0.00020 H	436.54057
%RSD	32.91997	0.84899	50.21598	58.52443	3130.31311	0.77461	1.54282	0.39436

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01881	0.02770 L	-0.01002 L	-0.01741 H	176.87196	0.06436	0.00992 H	476.52170
# 2	0.01714	0.03436 L	-0.01127 L	-0.01890 H	177.17949	0.06609	0.00778 H	471.68180
# 3	0.01604	0.04354 L	-0.01442 L	-0.01753 H	176.97274	0.06326	0.00690 H	473.26118
Mean	0.01733	0.03520 L	-0.01190 L	-0.01795 H	177.00806	0.06457	0.00820 H	473.82156
%RSD	8.04579	22.60766	19.01840	4.60472	0.08857	2.20945	18.90096	0.52090

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.01697 L	-0.18267	0.02050	0.00330 L	-0.12390 L	-0.07122 L	-0.31332	0.11606
# 2	0.01487 L	-0.18555	0.02016	0.00854 L	-0.08058	0.02175	0.15125	0.04067
# 3	0.01608 L	-0.16685	0.01930 L	-0.00093 L	-0.01914 L	-0.03474 L	-0.05204	-0.03730
			0.01999	0.00364 L	-0.07454 L	-0.02807 L	-0.07137	0.13134

# 1	0.01697 L	-0.18267	0.02050	0.00330 L	-0.12390 L	-0.07122 L	-0.31332	0.11606
# 2	0.01487 L	-0.18555	0.02016	0.00854 L	-0.08058	0.02175	0.15125	0.04067
# 3	0.01608 L	-0.16685	0.01930 L	-0.00093 L	-0.01914 L	-0.03474 L	-0.05204	0.23730
Mean	0.01597 L	-0.17836	0.01999	0.00364 L	-0.07454 L	-0.02807 L	-0.07137	0.13134
%RSD	6.62618	5.64708	3.09460	130.48203	70.62210	166.86936	326.30777	75.53135

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.03043	0.72459	0.03970 L	-0.86258	0.01954	118.80825	0.00466 L	-0.01665
# 2 L	-0.06610	0.23393	0.00521 L	-0.83519	0.01951	118.76332	0.00285 L	-0.06129

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# 3 L	-0.03239	0.52177	0.02215 L	-0.84401	0.01960	118.47582	0.00334 L	-0.02483
Mean L	-0.02269	0.49343	0.02235 L	-0.84726	0.01955	118.68246	0.00362 L	-0.03426
%RSD	215.92202	49.96751	77.15814	1.65012	0.23987	0.15197	25.75388	69.37387

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	1.21110	0.00193 L	-0.05473	0.06462	0.00562
# 2	1.20720	0.00314 L	-0.05069	0.07147	0.00427
# 3	1.16093	0.00128 L	-0.09956	0.06365	0.00382
Mean	1.19308	0.00212 L	-0.06832	0.06658	0.00457
%RSD	2.33921	44.49089	39.69793	6.40543	20.44496

EVOLUTION by Micro-Active Australia Pty Ltd 8:27:00 PM October 7, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSAB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:21:20 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.98178 H	429.78096	0.88334	0.00047	0.01174	0.48013	0.46740 H	440.39305
# 2	0.98150 H	434.14638	0.69913 L	-0.00303	0.00204	0.47890	0.46801 H	440.43199
# 3	0.97493 H	437.01177	1.11365	0.00676	0.00883	0.47950	0.46763 H	442.19052
Mean	0.97940 H	433.64637	0.89871	0.00140	0.00754	0.47951	0.46768 H	441.00518
%RSD	0.39561	0.83968	23.10990	353.75612	66.05349	0.12877	0.06566	0.23281

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.92150	0.48214	0.46066	0.46496 H	178.76864	0.02505	0.01020 H	474.96228
# 2	0.91982	0.49134	0.45757	0.46588 H	178.21843	0.03200	0.00876 H	472.92602
# 3	0.91923	0.51282	0.45980	0.46926 H	178.12982	0.02347	0.00802 H	473.02287
Mean	0.92018	0.49543	0.45934	0.46670 H	178.37230	0.02684	0.00899 H	473.63706
%RSD	0.12814	3.17761	0.34706	0.48491	0.19403	16.90882	12.31370	0.24253

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.47940 L	-0.18616	0.01607	0.87433	0.07801	0.98496	0.17570 L	-0.01918
# 2	0.48083 L	-0.17680	0.01538	0.87234	0.15959	0.89351	0.00857 L	-0.12701
# 3	0.48405 L	-0.19300	0.01528	0.90180	0.06942	1.00880	0.41794 L	-0.05956
Mean	0.48143 L	-0.18532	0.01558	0.88282	0.10234	0.96243	0.20074 L	-0.06858
%RSD	0.49491	4.38871	2.77779	1.86452	48.62623	6.32358	102.53674	79.43707

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.14184	0.27884	0.17379 L	-0.77729	0.01944	118.70043	0.00402 L	-0.02533
# 2	0.09003	0.87371	0.22614 L	-0.76114	0.01949	118.36030	0.00398	0.00040
# 3	0.10920	0.15482	0.17372 L	-0.86638	0.01953	118.15494	0.00285 L	-0.01973
Mean	0.11369	0.43579	0.19122 L	-0.80160	0.01948	118.40522	0.00361 L	-0.01489
%RSD	23.04054	88.18176	15.81652	7.07003	0.21382	0.23268	18.31261	90.88513

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	1.25295	0.46276 L	-0.07203	0.96042	0.00483
# 2	1.27066	0.46528 L	-0.02731	0.97595	0.00415
# 3	1.20973	0.46396 L	-0.03173	0.97537	0.00350
Mean	1.24444	0.46400 L	-0.04369	0.97058	0.00416
%RSD	2.51857	0.27149	56.41048	0.90726	16.00214

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVH Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:26:26 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00325	49.45663	0.14630	0.00127	0.01911	0.00402	0.00001	50.37359
# 2	0.00088	49.79522	0.71556	0.00381	0.02678	0.00415	0.00007	50.63136
# 3	0.00022	49.86890	1.55709	0.01744	0.02547	0.00416	0.00005	50.34324
Mean	0.00145	49.70692	0.80632	0.00751	0.02379	0.00411	0.00004	50.44940
%RSD	110.10571	0.44232	88.02477	115.88529	17.25049	1.89240	78.71771	0.31380

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00559	0.01373 L	-0.00079 L	-0.00178	49.07887	52.69968	0.00953	49.00843
# 2	0.00822	0.00996	0.00359 L	-0.00117	48.88177	52.72364	0.00925	49.17244
# 3	0.00623	0.01442	0.00174 L	-0.00116	48.68081	52.65241	0.00789	48.98579
Mean	0.00668	0.01270	0.00151 L	-0.00137	48.88049	52.69191	0.00889	49.05555
%RSD	20.50275	18.91020	145.25047	26.13093	0.40718	0.06879	9.84181	0.20763

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00058 L	-0.03752	50.81235 L	-0.00690 L	-0.05090	0.01143	0.27952	0.12122
# 2	0.00143 L	-0.03724	51.07629 L	-0.00403 L	-0.08648 L	-0.00038	0.69469	0.[illegible]336
# 3	0.00163 L	-0.03675	51.24987	0.00051 L	-0.06278	0.04892	0.30194	0.[illegible]812
							0.42538	0.19090

29D

# 1	0.00058 L	-0.03752	50.81235 L	-0.00690 L	-0.05090	0.01143	0.27952	0.12122
# 2	0.00143 L	-0.03724	51.07629 L	-0.00403 L	-0.08648 L	-0.00038	0.69469	0.11336
# 3	0.00163 L	-0.03675	51.24987	0.00051 L	-0.06278	0.04892	0.30194	0.33812
Mean	0.00121 L	-0.03717	51.04617 L	-0.00347 L	-0.06672	0.01999	0.42538	0.19090
%RSD	45.68594	1.04570	0.43159	107.61019	27.15552	128.76330	54.85015	66.81977

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.16929 L	-0.07453	0.46721	0.07103	0.00241	115.97167	0.00209	0.02739
# 2	0.14788	0.02056	0.46265	0.12053	0.00241	116.06408	0.00081	0.04026

EVOLUTION by Micro-Active Australia Pty Ltd 8:27:02 PM October 7, 1996

# 3	0.20171 L	-0.36733	0.51142	0.09062	0.00243	116.48379	0.00162	0.02157
Mean	0.17296 L	-0.14043	0.48043	0.09406	0.00242	116.17318	0.00151	0.02974
%RSD	15.67112	143.96241	5.60775	26.50303	0.41720	0.23494	43.09023	32.15328

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.28481	0.00279 L	-0.02071	0.05780	0.00500
# 2	0.29420	0.00086	0.00184	0.08247	0.00175
# 3	0.32037	0.00277 L	-0.01874	0.09205	0.00257
Mean	0.29979	0.00214 L	-0.01254	0.07744	0.00310
%RSD	6.14657	51.62514	99.63594	22.81699	54.43821

EVOLUTION by Micro-Active Australia Pty Ltd 8:37:02 PM October 7, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVC Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:31:36 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.01493 L	-0.09182	0.43424	9.33952	0.12325	0.00519	0.00286	0.08019
# 2	0.01697 L	-0.09581	0.84555	9.37382	0.12197	0.00535	0.00293	0.08437
# 3	0.01562 L	-0.08599	1.43315	9.35640	0.09405	0.00535	0.00288	0.08556
Mean	0.01584 L	-0.09120	0.90431	9.35658	0.11309	0.00530	0.00289	0.08337
%RSD	6.54467	5.41615	55.51610	0.18334	14.59017	1.76496	1.28060	3.37934

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00504 L	-0.00428	0.00917	0.00985	0.05052	0.08963	10.27103	0.01828
# 2	0.00766	0.00684	0.00997	0.01082	0.04792	0.09379	10.28485	0.01752
# 3	0.00627	0.00008	0.00568	0.01198	0.05258	0.08807	10.25339	0.03149
Mean	0.00632	0.00088	0.00828	0.01088	0.05034	0.09050	10.26976	0.02243
%RSD	20.68075	637.03934	27.59106	9.82652	4.63530	3.26428	0.15354	35.01422

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 L	-0.00177 L	-0.04903	0.38785	0.00705	9.56217	0.01583	0.54176	0.02150
# 2 L	-0.00143 L	-0.04667	0.38786 L	-0.00194	9.93201	0.10400	0.70822	0.07840
# 3 L	-0.00195 L	-0.04781	0.39209	0.00494	9.51853	0.09247	0.86249	0.02977
Mean L	-0.00171 L	-0.04784	0.38927	0.00335	9.67091	0.07076	0.70416	0.04322
%RSD	15.19906	2.47142	0.62782	140.26831	2.34905	67.72221	22.77936	71.12147

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	17.99400	0.10975 H	44.66531	9.56319	0.00395	118.50534	11.61147 L	-0.05050
# 2	18.18562	0.17160 H	45.22910	9.59258	0.00399	118.26018	11.66804 L	-0.04616
# 3	18.63579 L	-0.04608 H	45.58025	9.72925	0.00396	118.52587	11.59434 L	-0.08945
Mean	18.27180	0.07842 H	45.15822	9.62834	0.00397	118.43046	11.62462 L	-0.06204
%RSD	1.80310	143.03718	1.02212	0.92040	0.55387	0.12482	0.33177	38.42468

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	10.72540	0.00240	10.42414 L	-0.00557	9.99440
# 2	11.20186	0.00341	10.46099	0.00163	10.00171
# 3	10.38764	0.00168	10.46264 L	-0.00482	10.01052
Mean	10.77163	0.00249	10.44926 L	-0.00292	10.00221
%RSD	3.79769	34.85380	0.20831	135.40994	0.08070

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:36:42 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00053 L	-0.08356	9.20826	0.17874	10.29952 H	9.68832 H	9.61943	0.07462
# 2	0.00053 L	-0.07650	8.67376	0.19977	10.29367 H	9.59886 H	9.59881	0.07313
# 3 L	-0.00064 L	-0.07188	9.21809	0.18628	10.30244 H	9.59269 H	9.59677	0.07355
Mean L	-0.00021 L	-0.07731	9.03337	0.18826	10.29854 H	9.62662 H	9.60500	0.07377
%RSD	305.15597	7.60605	3.44800	5.65927	0.04338	0.55594	0.13053	1.04240

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1 H	9.79571 H	9.86130 H	9.98045 H	9.76893	0.03685	0.04732	0.01222	0.05495
# 2 H	9.82437 H	9.90598 H	9.95556 H	9.74186	0.02826	0.05115	0.01108	0.04307
# 3 H	9.79540 H	9.93344 H	9.92236 H	9.75906	0.02093	0.05237	0.01033	0.04433
Mean H	9.80516 H	9.90024 H	9.95279 H	9.75662	0.02868	0.05028	0.01121	0.04745
%RSD	0.16971	0.36778	0.29279	0.14038	27.78168	5.24172	8.48327	13.75100

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	9.78940 H	10.01128	0.02257 H	9.78742	2.34782	10.34505	9.77618	9.92868
# 2 H	9.75194 H	10.04986	0.02062 H	9.81760	2.33191	10.44363	9.75723	10.14654
# 3 H	9.72650 H	10.06034	0.02138 H	9.86188	2.32075	10.18311	9.87352	0.02735

# 2	H	9.75194	H	10.04986	0.02062	H	9.81760	2.33191	10.44363	9.75723	10.14654
# 3	H	9.72650	H	10.06034	0.02138	H	9.80188	2.32075	10.18311	9.87352	10.02735
Mean	H	9.75595	H	10.04049	0.02152	H	9.82230	2.33349	10.32393	9.80231	10.03419
%RSD		0.32428		0.25729	4.56528		0.38129	0.58283	1.27409	0.63650	1.08721

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	10.46856	9.98658	2.16044	L -0.37714	0.00022	116.58262	0.00709	9.97122
# 2	10.48913	9.79750	2.10430	L -0.46456	0.00026	115.85102	0.00714	10.30230

EVOLUTION by Micro-Active Australia Pty Ltd 8:37:04 PM October 7, 1996

# 3	10.44402	9.81317	2.07459	L -0.50869	0.00025	116.04996	0.00825	10.05699
Mean	10.46724	9.86575	2.11311	L -0.45013	0.00024	116.16120	0.00749	10.11017
%RSD	0.21577	1.06360	2.06324	14.87394	7.03285	0.32564	8.70857	1.69955

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1	L -0.08068	H 9.80303	L -0.02941	H 9.84256	0.00423
# 2	L -0.10083	H 9.87938	0.13405	H 9.87414	0.00491
# 3	L -0.10773	H 9.94617	0.05869	H 9.83082	0.00461
Mean	L -0.09641	H 9.87619	0.05444	H 9.84917	0.00458
%RSD	14.58016	0.72523	150.27891	0.22746	7.40769

EVOLUTION by Micro-Active Australia Pty Ltd 8:47:06 PM October 7, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:41:50 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.07404 L	-0.01847	0.83781	0.01975	1.11449	1.05591	1.05416	0.04944
# 2	0.07346 L	-0.02463	0.70687	0.00973	1.10919	1.06574	1.05627	0.04793
# 3	0.07363 L	-0.02804	0.91924	0.01730	1.11203	1.04753	1.05477	0.04968
Mean	0.07371 L	-0.02371	0.82131	0.01560	1.11191	1.05639	1.05507	0.04902
%RSD	0.40408	20.46025	13.04494	33.48713	0.23851	0.86283	0.10279	1.93082

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	1.00256	0.97508	1.05242	1.00257	0.00758	0.04968	0.00932	0.00237
# 2	1.00317	0.98567	1.05403	1.00157	0.00448	0.04191	0.00778	0.00215
# 3	0.99566	1.02052	1.05483	1.00304	0.00139	0.04389	0.00689 L	-0.00042
Mean	1.00046	0.99376	1.05376	1.00239	0.00448	0.04516	0.00800	0.00136
%RSD	0.41716	2.39254	0.11661	0.07507	69.11815	8.93499	15.40347	113.77194

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.00047	1.05497	0.00994	0.98845	0.31016	0.96836	0.96486	1.12434
# 2	1.00169	1.06024	0.00918	0.97857	0.36502	1.00951	1.20507	1.11261
# 3	1.00007	1.06027	0.00822	0.96763	0.32270	0.87882	1.03078	1.04766
Mean	1.00074	1.05849	0.00911	0.97822	0.33263	0.95223	1.06690	1.09487
%RSD	0.08441	0.28792	9.45106	1.06510	8.64078	7.01710	11.63278	3.77260

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	1.13346	1.23986	0.34746 L	-0.14200	0.25013	161.05020	0.00076	1.01011
# 2	1.15183	1.86989	0.42336 L	-0.08462	0.25058	160.27623	0.00107	1.02329
# 3	1.12002	1.39394	0.35559 L	-0.08765	0.24896	160.28522	0.00084	1.00391
Mean	1.13510	1.50123	0.37547 L	-0.10476	0.24989	160.53722	0.00089	1.01244
%RSD	1.40669	21.87756	11.09868	30.82117	0.33500	0.27675	18.40582	0.97753

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.02927	1.00536	0.02636	1.04280	0.00162
# 2 L	-0.04840	1.00960 L	-0.00641	1.04554	0.00155
# 3 L	-0.01045	1.00458	0.03569	1.03200	0.00115
Mean L	-0.00986	1.00651	0.01855	1.04011	0.00144
%RSD	393.87857	0.26836	119.22580	0.68838	17.73574

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:46:56 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00035 L	-0.01671 L	-0.14731	0.00464	0.04205	0.00034	0.00043	0.02066
# 2	0.00077 L	-0.02672 L	-0.55390 L	-0.00462	0.03728	0.00027	0.00053	0.02136
# 3 L	-0.00058 L	-0.02473	0.11985	0.00246	0.02524	0.00018	0.00064	0.02175
Mean L	-0.00005 L	-0.02272 L	-0.19379	0.00083	0.03486	0.00026	0.00053	0.02126
%RSD	1361.39179	23.30512	175.07467	585.32311	24.85678	32.09642	20.11062	2.58937

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00055	0.00504 L	-0.00030 L	-0.00282 L	-0.00279	0.05135	0.00846 L	-0.00484
# 2	0.00048	0.01054 L	-0.00066 L	-0.00237 L	-0.00109	0.05350	0.00690	0.00901
# 3	0.00078	0.01116 L	-0.00188 L	-0.00160	0.00111	0.05011	0.00600	0.00357
Mean	0.00061	0.00891 L	-0.00095 L	-0.00226 L	-0.00092	0.05166	0.00712	0.00258
%RSD	25.62352	37.82400	87.24233	27.26017	211.75622	3.31967	17.50105	270.04713

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 L	-0.00020	0.00339 L	-0.00450	0.01061	0.03306	0.11663	0.13713	0.07196
# 2	0.00007	0.00050 L	-0.00502	0.00166 L	-0.05554	0.04553 L	-0.01811	0.08400
# 3	0.00039	0.00172 L	-0.00539	0.00800	0.09505	0.11350	0.07971	0.08618
Mean	0.00009	0.00187 L	-0.00497	0.00676	0.02419	0.09189	0.06625	0.11501

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.00020	0.00339 L	-0.00450	0.01061	0.03306	0.11663	0.13713	0.17196	
# 2	0.00007	0.00050 L	-0.00502	0.00166 L	-0.05554	0.04553 L	-0.01811	0.08690	
# 3	0.00039	0.00172 L	-0.00539	0.00800	0.09505	0.11350	0.07971	0.08618	
Mean	0.00009	0.00187 L	-0.00497	0.00676	0.02419	0.09189	0.06625	0.11501	
%RSD	341.20748	77.66013	9.00567	68.18264	312.50111	43.72457	118.48500	42.88002	

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.06862	0.20676	0.05755	0.01372 L	-0.00004	114.59958 L	-0.00032 L	-0.01914
# 2	0.04937	0.47830	0.05400 L	-0.00358 L	-0.00005	114.54311	0.00057 L	-0.06346

EVOLUTION by Micro-Active Australia Pty Ltd 8:47:08 PM October 7, 1996

# 3	0.03708	0.24400	0.06254	0.00514	0.00002	114.29796	0.00013 L	-0.02335
Mean	0.05169	0.30969	0.05803	0.00509 L	-0.00002	114.48022	0.00013 L	-0.03532
%RSD	30.75796	47.53421	7.38954	169.85082	162.08232	0.14006	353.92226	69.27123

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.02528 L	-0.00176 L	-0.01118 L	-0.02201 L	-0.00010
# 2 L	-0.01514 L	-0.00005 L	-0.06157 L	-0.01207 L	-0.00098
# 3 L	-0.02617 L	-0.00155	0.00913	0.00100 L	-0.00001
Mean L	-0.02220 L	-0.00112 L	-0.02121 L	-0.01103 L	-0.00037
%RSD	27.59311	83.08305	171.64988	104.64601	146.13012

EVOLUTION by Micro-Active Australia Pty Ltd 10:35:14 PM October 7, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVH Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 10:36:34 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00003	48.89036	0.56442 L	-0.00180	0.02625	0.00526	0.00117	50.50098
# 2	0.00070	49.33270	1.12235	0.00703	0.02168	0.00495	0.00125	50.35261
# 3	0.00017	49.12855	1.51136 L	-0.00472	0.03024	0.00522	0.00117	50.08210
Mean	0.00030	49.11720	1.06604	0.00017	0.02606	0.00514	0.00120	50.31190
%RSD	118.30260	0.45074	44.64915	3614.63421	16.42755	3.28180	4.05625	0.42214

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01005	0.02287	0.00237	0.00026	48.84180	52.21090	0.01020	48.33246
# 2	0.01151	0.02095	0.00272 L	-0.00056	48.64663	52.28407	0.00920	48.66405
# 3	0.01118	0.02538	0.00268	0.00065	48.43091	52.43171	0.00812	48.70813
Mean	0.01092	0.02306	0.00259	0.00012	48.63978	52.30889	0.00918	48.56821
%RSD	7.01493	9.64031	7.29385	525.16129	0.42256	0.21503	11.32660	0.42281

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00150 L	-0.03453	50.13437	0.00008	0.07009	0.04007	0.27942	0.27478
# 2	0.00288 L	-0.03928	49.48199	0.00264	0.06781	0.03633	0.33636	0.34317
# 3	0.00230 L	-0.03413	50.02552 L	-0.00967	0.08649	0.09634	0.38894	0.35180
Mean	0.00223 L	-0.03598	49.88063 L	-0.00232	0.07480	0.05758	0.33491	0.32325
%RSD	31.20143	7.97040	0.70065	280.53159	13.62279	58.38916	16.35506	13.05470

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.12726	0.35731	0.47330	0.06968	0.00249	115.33889	0.00211 L	-0.01561
# 2	0.15885	0.21379	0.45264	0.04594	0.00249	115.83305	0.00133 L	-0.06337
# 3	0.17290	0.22466	0.46609 L	-0.01329	0.00251	115.88439	0.00265 L	-0.03524
Mean	0.15300	0.26526	0.46401	0.03411	0.00250	115.68544	0.00203 L	-0.03808
%RSD	15.27756	30.12580	2.26027	125.27241	0.49673	0.26038	32.69304	63.04011

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.27476	0.00456	0.03624	0.14748	0.00573
# 2	0.29282	0.00417	0.01151	0.16211	0.00426
# 3	0.33352	0.00398	0.01783	0.18863	0.00447
Mean	0.30037	0.00424	0.02186	0.16607	0.00482
%RSD	10.02003	6.95365	58.76528	12.55948	16.50869

EVOLUTION by Micro-Active Australia Pty Ltd 10:47:16 PM October 7, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVC Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 10:41:42 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.01635 L	-0.07319	0.97044	9.26580	0.16158	0.05137	0.04895	0.08451
# 2	0.01671 L	-0.07888	0.94380	9.25338	0.18424	0.05118	0.04852	0.08273
# 3	0.01659 L	-0.05745	1.19358	9.23019	0.16516	0.05020	0.04765	0.08235
Mean	0.01655 L	-0.06984	1.03594	9.24979	0.17033	0.05091	0.04837	0.08320
%RSD	1.11323	15.89452	13.24065	0.19543	7.14998	1.22767	1.36214	1.38421

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.04649	0.02806	0.04907	0.05432	0.02319	0.10421	10.06369 L	-0.02207
# 2	0.04528	0.03813	0.04879	0.05163	0.02155	0.09356	10.04906 L	-0.00898
# 3	0.04705	0.04519	0.04917	0.05275	0.01950	0.09805	10.07001 L	-0.01247
Mean	0.04627	0.03713	0.04901	0.05290	0.02141	0.09861	10.06092 L	-0.01451
%RSD	1.95034	23.19145	0.40727	2.54915	8.62823	5.42473	0.10682	46.70911

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.04379 L	-0.00610	0.37369	0.03811	9.52132	0.04849	0.07140	0.40792
# 2	0.04332 L	-0.00407	0.37255	0.03456	9.36083	0.12209	0.14467	0.41330
# 3	0.04271 L	-0.00191	0.37139	0.02890	9.38894	0.12079	0.25989	0.56541
Mean	0.04327 L	-0.00403	0.37254	0.03386	9.42370	0.09712	0.15866	0.46221
%RSD	1.24887	52.02131	0.30937	13.71037	0.90944	43.37025	59.89131	19.34485

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	19.23550	0.57468 H	47.04168	9.49458	0.00373	117.30910	11.44346 L	-0.01700
# 2	19.40950	0.52801 H	47.68262	9.57779	0.00380	117.25390	11.46888 L	-0.00668
# 3	19.45087	1.16155 H	48.00765	9.43445	0.00382	117.72907	11.42736	0.02717
Mean	19.37862	0.75474 H	47.57732	9.50227	0.00378	117.43402	11.44657	0.00116
%RSD	0.67321	46.78097	1.03310	0.75753	1.23302	0.22618	0.18289	1985.19815

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	10.73268	0.04254	10.28682	0.10773	9.83458
# 2	10.38772	0.04367	10.47076	0.10891	9.88418
# 3	10.49126	0.04306	10.37369	0.11812	9.86107
Mean	10.53722	0.04309	10.37709	0.11159	9.85994
%RSD	1.67987	1.30875	0.88673	5.09873	0.25171

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 10:46:48 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00150 L	-0.08354	11.06891	0.18850	10.27316 H	9.55517 H	9.53728	0.09209
# 2	0.00342 L	-0.09601	10.62887	0.17196	10.24671 H	9.48740 H	9.55443	0.08989
# 3	0.00145 L	-0.08413	10.28388	0.17752	10.34202 H	9.52942 H	9.58104	0.09194
Mean	0.00212 L	-0.08789	10.66055	0.17933	10.28730 H	9.52400 H	9.55758	0.09131
%RSD	53.01563	8.00421	3.69093	4.69249	0.47828	0.35919	0.23071	1.34816

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1 H	9.76508 H	9.84947 H	9.83080 H	9.67713	0.03431	0.05434	0.01556	0.01762
# 2 H	9.78836 H	9.80749 H	9.84291 H	9.64441	0.02019	0.05497	0.01383	0.02882
# 3 H	9.77325 H	9.82273 H	9.85076 H	9.70462	0.01168	0.05113	0.01325	0.02568
Mean H	9.77556 H	9.82656 H	9.84149 H	9.67539	0.02206	0.05348	0.01421	0.02404
%RSD	0.12078	0.21630	0.10217	0.31150	51.80819	3.84348	8.44323	24.03638

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	9.69304 H	9.93228	0.02935 H	9.88992	2.47706	10.16803	9.79290	9.90463
# 2 H	9.66294 H	9.97308	0.02612 H	9.69963	2.35878	10.15335	10.12059	10.07837
# 3 H	9.70236 H	9.98987	0.02679 H	9.81204	2.36998	10.11275	9.66240	9.93601
					2.40194	10.14471	9.85863	10.07300

# 1	H	9.69304	H	9.93228	0.02935	H	9.88952	2.47706	10.16803	
# 2	H	9.66294	H	9.97308	0.02612	H	9.69963	2.35878	10.15335	10.12059	10.37837
# 3	H	9.70236	H	9.98987	0.02679	H	9.81204	2.36998	10.11275	9.66240	9.93601
Mean	H	9.68611	H	9.96507	0.02742	H	9.80053	2.40194	10.14471	9.85863	10.07300
%RSD		0.21269		0.29722	6.21146		0.97614	2.71848	0.28229	2.39443	2.63003

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	10.41490	9.36726	2.00878 L	-0.39713	0.00031	117.13710	0.01086	10.05159
# 2	10.40851	9.39251	2.11430 L	-0.32462	0.00032	116.27586	0.01058	10.23985

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# 3	10.39010	9.29326	2.13071 L	-0.34126	0.00034	116.64680	0.01014	9.89362
Mean	10.40450	9.35101	2.08460 L	-0.35434	0.00032	116.68659	0.01053	10.06169
%RSD	0.12378	0.55162	3.17446	10.72016	4.10397	0.37022	3.47666	1.72272

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.00766 H	9.73344	0.07281 H	9.84261	0.00642
# 2 L	-0.01142 H	9.89249	0.03886 H	9.88758	0.00661
# 3 L	-0.05579 H	9.88381	0.00188 H	9.81348	0.00649
Mean L	-0.01985 H	9.83658	0.03785 H	9.84789	0.00651
%RSD	163.98577	0.90913	93.73315	0.37911	1.52058

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 10:51:58 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.07426 L	-0.03989	1.13330	0.01856	1.11919	1.04924	1.05628	0.08314
# 2	0.07376 L	-0.03780	1.35077	0.01955	1.12311	1.03898	1.04890	0.08392
# 3	0.07227 L	-0.02363	1.07965	0.02399	1.14424	1.05120	1.05581	0.08597
Mean	0.07343 L	-0.03377	1.18791	0.02070	1.12884	1.04647	1.05366	0.08434
%RSD	1.41180	26.19081	12.08618	13.97422	1.19362	0.62729	0.39234	1.73490

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	1.00850	0.99885	1.04796	1.00280	0.01446	0.05318	0.01018	0.01124
# 2	1.01208	0.99348	1.04277	0.99768	0.00952	0.05583	0.00888	0.00757
# 3	1.01503	1.00675	1.05802	1.00285 L	-0.00017	0.04608	0.00869	0.00722
Mean	1.01187	0.99969	1.04959	1.00111	0.00793	0.05170	0.00925	0.00867
%RSD	0.32340	0.66787	0.73844	0.29646	93.80732	9.75369	8.77576	25.69187

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.581 ppm
# 1	0.99992	1.05830	0.01590	1.00044	0.27532	0.96820	1.05485	1.41306
# 2	0.99453	1.05247	0.01441	1.00620	0.25331	0.96622	0.91111	1.29318
# 3	0.99780	1.06781	0.01381	0.98766	0.21733	0.95169	0.98129	1.29307
Mean	0.99741	1.05953	0.01471	0.99810	0.24866	0.96204	0.98242	1.33310
%RSD	0.27207	0.73075	7.29922	0.95083	11.77310	0.93736	7.31619	5.19450

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	1.18853	0.65906	0.43455 L	-0.14642	0.24688	161.74073	0.00134	0.94178
# 2	1.13504	0.55550	0.43891 L	-0.08626	0.24667	161.67270	0.00136	0.98239
# 3	1.14733	0.79843	0.45833 L	-0.17055	0.24835	161.17726	0.00159	0.99916
Mean	1.15697	0.67100	0.44393 L	-0.13441	0.24730	161.53023	0.00143	0.97445
%RSD	2.42117	18.16782	2.85203	32.29694	0.37005	0.19041	9.63167	3.02776

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.00235	1.00110	0.07350	1.10237 L	-0.00239
# 2 L	-0.00722	1.00470 L	-0.00693	1.10066	0.00066
# 3 L	-0.01333	1.00639	0.01241	1.10230	0.00123
Mean L	-0.00763	1.00406	0.02633	1.10177 L	-0.00017
%RSD	72.10118	0.26912	159.46763	0.08772	1152.27547

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 10:57:04 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00157 L	-0.00893	0.11475 L	-0.01438	0.05253	0.00038	0.00060 L	-0.00670
# 2 L	-0.00059 L	-0.03534	0.14649	0.00116	0.04758	0.00186	0.00226 L	-0.00421
# 3 L	-0.00262 L	-0.03170	0.32258 L	-0.00725	0.04324	0.00578	0.00630 L	-0.00260
Mean L	-0.00160 L	-0.02533	0.19460 L	-0.00682	0.04778	0.00267	0.00305 L	-0.00450
%RSD	63.44038	56.51593	57.53135	113.97931	9.72695	104.36561	96.11897	45.96724

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm

%RSD	63.44038	56.51593	57.53135	113.97931	9.72695	104.36561	96.11897	45.96724

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01052 L	-0.00494	0.00272 L	-0.00313	0.00482	0.03442	0.00962	0.00160
# 2	0.00793	0.01009	0.00171 L	-0.00204	0.00502	0.03730	0.00773	0.01140
# 3	0.00657	0.00936	0.00456	0.00267 L	-0.00385	0.02568	0.00732	0.00883
Mean	0.00834	0.00484	0.00300 L	-0.00083	0.00200	0.03247	0.00822	0.00727
%RSD	24.05328	175.27383	48.08848	370.81661	253.73147	18.63629	14.89521	69.87585

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	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Se 217.583 ppm
# 1 L	-0.00010 L	-0.00078	0.00797 L	-0.00111	0.13297	0.02710	0.31422	0.21729
# 2	0.00194 L	-0.00090	0.00776 L	-0.00482	0.07687	0.12490	0.20828	0.40880
# 3	0.00579	0.00021	0.00769 L	-0.00954	0.08691	0.08281	0.47458	0.21687
Mean	0.00254 L	-0.00049	0.00781 L	-0.00516	0.09892	0.07827	0.33236	0.28099
%RSD	117.61047	124.44974	1.87494	81.87830	30.24107	62.67778	40.34096	39.39371

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.09439	0.04997 L	-0.02370 L	-0.01639	0.00009	116.03456 L	-0.00091 L	-0.02452
# 2	0.10594	0.27181	0.03094 L	-0.00214	0.00007	116.11670 L	-0.00047 L	-0.06720
# 3	0.14105	0.65938 L	-0.01460	0.01520	0.00007	115.73807	0.00011 L	-0.04220
Mean	0.11379	0.32705 L	-0.00245 L	-0.00111	0.00008	115.96311 L	-0.00042 L	-0.04464
%RSD	21.35358	94.30816	1194.01716	1429.02376	13.88655	0.17175	120.00194	48.05040

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.04180	0.00569	0.00588	0.01814	0.00097
# 2 L	-0.00310	0.00454	0.01386	0.01771 L	-0.00142
# 3 L	-0.05212	0.00183	0.00295	0.02212	0.00202
Mean L	-0.03234	0.00402	0.00756	0.01932	0.00052
%RSD	79.90718	49.30043	74.66891	12.57117	337.02501

EVOLUTION by Micro-Active Australia Pty Ltd 11:07:20 PM October 7, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : PBW:14712 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 11:02:10 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00173 L	-0.01963	0.05591 L	-0.01294	0.03954	0.00133	0.00153	0.00524
# 2	-0.00101 L	-0.03422 L	-0.29740 L	-0.00937	0.04578	0.00102	0.00152	0.00340
# 3	-0.00131 L	-0.03780 L	-0.28165 L	-0.01480	0.03921	0.00091	0.00158	0.00433
Mean	-0.00020 L	-0.03055 L	-0.17438 L	-0.01237	0.04151	0.00108	0.00154	0.00432
%RSD	851.87847	31.50671	114.45898	22.30333	8.92027	20.03253	2.20485	21.27723

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00259	0.00946	0.00374 L	-0.00086	0.00058	0.02518	0.01036	0.00348
# 2	0.00494	0.00523	0.00265 L	-0.00060	0.00031	0.04388	0.00971	0.00701
# 3	0.00823	0.00294	0.00155 L	-0.00192 L	-0.00176	0.04664	0.00931 L	-0.00328
Mean	0.00525	0.00588	0.00265 L	-0.00113 L	-0.00029	0.03857	0.00980	0.00240
%RSD	53.91976	56.29952	41.35370	61.58788	435.99177	30.27013	5.41651	217.87217

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00184 L	-0.00673	0.00574 L	-0.00228 L	-0.15709	0.06974 L	-0.53802	0.28446
# 2	0.00173 L	-0.00960	0.00549	0.00367 L	-0.00271	0.05371	0.01221	0.03973
# 3	0.00213 L	-0.01006	0.00587	0.00422	0.02750	0.05265 L	-0.37004	0.01430
Mean	0.00190 L	-0.00880	0.00570	0.00187 L	-0.04410	0.05870 L	-0.29862	0.11283
%RSD	10.70218	20.50661	3.33317	192.81004	224.51794	16.31306	94.42907	132.22039

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.04981	0.20487 L	-0.01880 L	-0.00745	0.00008	128.79893 L	-0.00063 L	-0.02693
# 2	0.00723	0.21499	0.00758	0.02754	0.00007	128.87594 L	-0.00124 L	-0.04695
# 3	0.06048	0.78610	0.07502	0.01676	0.00009	128.69198 L	-0.00015 L	-0.04923
Mean	0.03918	0.40199	0.02127	0.01229	0.00008	128.78895 L	-0.00067 L	-0.04104
%RSD	71.92506	82.76086	227.50674	145.85479	16.56260	0.07174	81.27257	29.90638

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	-0.06844 L	0.00078	0.01191	0.02634 L	-0.00054
# 2	-0.09018 L	0.00066 L	-0.01541	0.02533 L	-0.00069
# 3	-0.09540 L	0.00424	0.02346	0.03335 L	-0.00002
Mean	-0.08467 L	0.00189	0.00665	0.02834 L	-0.00042
%RSD	16.88881	107.41773	300.12116	15.42190	83.41469

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCSW:14712 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 11:07:16 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.10055	0.91211	5.15006	0.04169	0.97572 H	9.10113	0.94208	9.60051
# 2	0.10055	0.91342	4.67499	0.03055	0.95089 H	9.07117	0.94215	9.61562
# 3	0.09846	0.93033	4.52405	0.01859	0.95980 H	9.01528	0.94258	9.62614
Mean	0.09985	0.91862	4.78303	0.03028	0.96214 H	9.06253	0.94227	9.61409
%RSD	1.20569	1.10600	6.83021	38.15315	1.30778	0.48076	0.02896	0.13401

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.92831	0.87819	0.93156	0.92953	0.90687	9.51401	0.01132	0.91808
# 2	0.92141	0.90853	0.93853	0.92811	0.89849	9.47892	0.00990	0.91643
# 3	0.91464	0.92686	0.93437	0.92864	0.89181	9.46749	0.00879	0.93381
Mean	0.92145	0.90453	0.93482	0.92876	0.89906	9.48681	0.01001	0.92277
%RSD	0.74146	2.71761	0.37490	0.07688	0.83921	0.25551	12.67222	1.03970

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.92489 L	-0.01933	8.94354	0.90952	0.13322	0.95153	0.16139	0.31540
# 2	0.92350 L	-0.01594	8.90885	0.91587	0.07260	0.91703	0.16085	0.25187
# 3	0.92605 L	-0.02236	8.88512	0.91373	0.08552	1.00928 L	-0.02066	0.16213
	-0.92481 L	-0.01921	8.91251	0.91304	0.09711	0.95928	0.10053	0.24313

# 1	0.92489 L	-0.01933	8.91154	0.90892	0.11322	0.89153	0.16439	0.25...
# 2	0.92350 L	-0.01594	8.90885	0.91587	0.07260	0.91703	0.16085	0.25187
# 3	0.92605 L	-0.02236	8.88512	0.91173	0.08552	1.00928 L	-0.02066	0.16213
Mean	0.92481 L	-0.01921	8.91251	0.91304	0.09711	0.95928	0.10053	0.24313
%RSD	0.13788	16.71650	0.32965	0.35407	32.87861	4.85926	104.39818	31.67374

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.99688	5.31055	2.95794	4.82404 H	0.93334	306.11304	1.06772	0.93779
# 2	0.97260	4.78260	2.98048	4.86107 H	0.93421	306.31269	1.06601	0.98662

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# 3	0.98220	4.76484	2.99137	5.02259 H	0.93354	305.09478	1.06355	1.00840
Mean	0.98390	4.95266	2.97660	4.90257 H	0.93369	305.84017	1.06576	0.97760
%RSD	1.24281	6.26062	0.57278	2.15361	0.04876	0.21358	0.19645	3.69846

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.05550	0.93022	0.04073	0.93559	0.00368
# 2 L	-0.04650	0.92810	0.02860	0.94490	0.00281
# 3 L	-0.05343	0.92584	0.00903	0.96523	0.00064
Mean L	-0.05181	0.92806	0.02612	0.94857	0.00238
%RSD	9.10294	0.23590	61.23115	1.59810	65.97173

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10454-4 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 11:12:30 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00189	1.53154	0.92712	0.04996	2.05914	0.05105	0.00008	29.08073
# 2 L	-0.00072	1.47951	1.32095	0.06249	2.03314	0.05044 L	-0.00000	28.89465
# 3 L	-0.00160	1.48654	2.19740	0.06466	2.05137	0.05080	0.00011	29.22394
Mean L	-0.00014	1.49920	1.48182	0.05904	2.04788	0.05076	0.00006	29.06644
%RSD	1264.30233	1.88301	43.88137	13.43354	0.65176	0.59684	96.68958	0.56805

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00972	0.00723	0.00274	0.00358	3.84501	8.90849	0.01396	4.48814
# 2	0.01268	0.01334 L	-0.00115 L	-0.00021	3.84831	8.92217	0.01316	4.51645
# 3	0.00858	0.01156	0.00243 L	-0.00124	3.85054	8.88339	0.01138	4.49548
Mean	0.01033	0.01071	0.00134	0.00071	3.84795	8.90469	0.01284	4.50002
%RSD	20.45936	29.33959	161.40073	357.82593	0.07232	0.22087	10.29682	0.32648

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	2.92754 L	-0.00831	31.56426	0.14398	0.07635	0.03859	0.06870	0.23299
# 2 H	2.92835 L	-0.01098	31.34725	0.15600 L	-0.02446	0.13659	0.13862	0.05214
# 3 H	2.93725 L	-0.00560	31.01290	0.14848	0.14261	0.11591	0.42936	0.13678
Mean H	2.93105 L	-0.00830	31.30814	0.14949	0.06483	0.09703	0.21223	0.14064
%RSD	0.18394	32.43822	0.88717	4.06362	129.75901	53.23395	90.12224	64.33943

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	29.25851	0.09726 H	71.96833	0.16776	0.07359	142.42280	0.08065	0.00520
# 2 H	29.32191	0.42490 H	72.29573	0.16086	0.07347	142.48840	0.08312 L	-0.05010
# 3 H	28.90313	0.25317 H	71.39995	0.19846	0.07383	143.07169	0.08221 L	-0.02172
Mean H	29.16118	0.25844 H	71.88800	0.17569	0.07363	142.66096	0.08199 L	-0.02221
%RSD	0.77403	63.41211	0.63051	11.39311	0.25239	0.25039	1.52107	124.51735

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.02750	0.00129	0.01809	0.07866	0.00145
# 2 L	-0.05456	0.00238	0.00692	0.09781 L	-0.00017
# 3 L	-0.01269	0.00115	0.03071	0.11437	0.00077
Mean L	-0.03159	0.00161	0.01857	0.09694	0.00069
%RSD	67.21627	41.89255	64.08967	18.43164	118.79995

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DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10454-4D Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 11:17:40 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00012	1.46203	0.13673	0.04820	2.07123	0.04886 L	-0.00015	29.19022
# 2 L	-0.00002	1.44001	0.22238	0.04752	2.07252	0.04886 L	-0.00014	29.04535
# 3 L	-0.00025	1.45610	0.80998	0.05715	2.07855	0.04950 L	-0.00014	29.16566
Mean L	-0.00005	1.45271	0.38970	0.05096	2.07410	0.04907 L	-0.00014	29.13374
%RSD	388.03559	0.78443	94.04275	10.54756	0.18853	0.75800	7.76015	0.26612

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00820 L	-0.00047	0.00464 L	-0.00017	3.86735	8.86349	0.01518	4.53608
# 2	0.00791	0.01208	0.00109 L	-0.00045	3.89402	8.85872	0.01325	4.56014
# 3	0.00837	0.00447 L	-0.00130 L	-0.00237	3.89313	8.90209	0.01202	4.53183
Mean	0.00816	0.00536	0.00148 L	-0.00100	3.88483	8.87477	0.01348	4.54269
%RSD	2.87857	117.98321	202.52908	120.01387	0.38999	0.26796	11.80378	0.33607

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	2.93170 L	-0.01739	31.98761	0.16080	0.45461	0.13930 L	-0.01819 L	-0.10386
# 2 H	2.92976 L	-0.01810	31.17448	0.16171	0.46573	0.09700	0.19587 L	-0.13306
# 3 H	2.94044 L	-0.02219	31.91973	0.12589	0.48433	0.10957	0.04443 L	-0.08439
Mean H	2.93397 L	-0.01923	31.69394	0.14946	0.46822	0.11529	0.07404 L	-0.10710
%RSD	0.19386	12.47268	1.42344	13.66501	3.20696	18.84260	148.65035	22.87073

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	28.94430	0.30982 H	71.61655	0.07691	0.07346	143.42822	0.07989 L	-0.08393
# 2 H	28.90359	0.53837 H	71.62329	0.03805	0.07333	143.56084	0.09013 L	-0.06880
# 3 H	29.14390	0.40856 H	71.60912 L	-0.02787	0.07363	143.22000	0.08068 L	-0.11214
Mean H	28.99726	0.41892 H	71.61632	0.02903	0.07347	143.40302	0.08357 L	-0.08829
%RSD	0.44353	27.36245	0.00990	182.47314	0.20677	0.11981	6.81919	24.91392

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.00271	0.00175 L	-0.06315	0.01939	0.00259
# 2 L	-0.01329 L	-0.00040 L	-0.03471	0.02495	0.00163
# 3 L	-0.05132	0.00271 L	-0.07693	0.02792	0.00104
Mean L	-0.02244	0.00135 L	-0.05826	0.02409	0.00175
%RSD	113.93786	117.58585	36.94484	17.98288	44.72285

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10454-4MS Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 11:22:52 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.08734	2.42654	3.89321	0.07949	3.05865 H	9.59944	1.00615	38.62603
# 2	0.08580	2.41766	4.42328	0.07550	3.05191 H	9.64563	1.00330	38.53527
# 3	0.08667	2.45004	3.75214	0.07032	3.07179 H	9.70419	1.00855	38.73801
Mean	0.08660	2.43141	4.02288	0.07510	3.06078 H	9.64976	1.00600	38.63310
%RSD	0.89372	0.68810	8.79625	6.12234	0.33037	0.54403	0.26130	0.26287

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.98532	0.96342	0.98966	0.99316	4.84401	19.41524	0.01528	5.39990
# 2	0.98082	0.97040	0.99429	0.98954	4.82456	19.47480	0.01357	5.37187
# 3	0.98463	0.98895	0.99646	0.99940	4.82206	19.48857	0.01214	5.42727
Mean	0.98359	0.97426	0.99347	0.99403	4.83021	19.45954	0.01366	5.39968
%RSD	0.24636	1.35432	0.34997	0.50185	0.24876	0.20028	11.50732	0.51305

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	3.84979 L	-0.01712	41.34717	1.13661	0.79031	0.99131 L	-0.53297	0.07163
# 2 H	3.86068 L	-0.01825	41.01318	1.14061	0.70471	0.90498 L	-0.47841 L	-0.10808
# 3 H	3.87132 L	-0.01987	41.78978	1.15905	0.69936	0.92795 L	-0.50773 L	-0.08325

# 1	H	3.84979	L	-0.01712	41.34717	1.13661	0.75031	0.89131	L	-0.53297	0.07165
# 2	H	3.86068	L	-0.01825	41.01318	1.14061	0.70471	0.90498	L	-0.47841	L -0.10808
# 3	H	3.87132	L	-0.01987	41.78978	1.15905	0.69936	0.92795	L	-0.50773	L -0.08325
Mean	H	3.86060	L	-0.01842	41.38338	1.14542	0.73146	0.94141	L	-0.50637	L -0.03990
%RSD		0.27889		7.51057	0.94136	1.04500	6.97720	4.74934		5.39249	244.07343

		Sb 252.852 ppm		Se 196.091 ppm		Si 251.611 ppm		Sn 242.949 ppm		Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	H	28.49113		5.72840	H	70.72329		7.43601	H	1.05445	333.77576	1.24148	0.96264
# 2	H	28.79249		4.92981	H	71.41520		7.38039	H	1.06565	333.66451	1.24472	0.96229

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# 3	H	28.46608		4.42051	H	71.09118		7.45445	H	1.06666	333.23524	1.24310	0.97652
Mean	H	28.58323		5.02624	H	71.07656		7.42362	H	1.06225	333.55850	1.24310	0.96715
%RSD		0.63553		13.11633		0.48707		0.51938		0.63782	0.08557	0.13017	0.83902

		U 367.007 ppm		V 292.402 ppm		W 239.710 ppm		Zn 213.857 ppm		Zr 343.822 ppm
# 1		0.00098		0.99766	L	-0.03153		1.03062		0.00222
# 2		0.02514		1.00407		0.00289		1.00398	L	-0.00002
# 3	L	-0.06381		1.00858	L	-0.01660		0.97259		0.00034
Mean	L	-0.01256		1.00343	L	-0.01508		1.00240		0.00085
%RSD		366.11707		0.54688		114.45606		2.89778		142.65704

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10454-4MD Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 11:28:02 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.09332	2.47609	4.60928	0.08020	3.06940 H	9.38783	0.98925	38.37875
# 2	0.09258	2.47881	4.76778	0.08627	3.03531 H	9.42313	0.98500	38.29715
# 3	0.09382	2.48139	4.21062	0.07771	3.02296 H	9.45811	0.98671	38.42662
Mean	0.09324	2.47876	4.52923	0.08139	3.04256 H	9.42302	0.98699	38.36751
%RSD	0.66862	0.10703	6.33824	5.41142	0.79063	0.37292	0.21670	0.17062

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.95030	0.92784	0.98506	0.97693	4.78556	19.29782	0.01374	5.37572
# 2	0.95578	0.93134	0.97553	0.97034	4.81259	19.34317	0.01106	5.38466
# 3	0.95876	0.94659	0.97478	0.97531	4.86167	19.32761	0.01043	5.39459
Mean	0.95494	0.93525	0.97846	0.97419	4.81994	19.32287	0.01174	5.38499
%RSD	0.44938	1.06582	0.58607	0.35296	0.80042	0.11924	14.95578	0.17532

		Mn 259.371 ppm		Mo 281.616 ppm		Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	H	3.84389	L	-0.01143		41.23143	1.10266	0.77313	0.85886	0.47737	0.15540
# 2	H	3.84476	L	-0.01205		41.34249	1.10049	0.68054	0.91824	0.48511	0.17831
# 3	H	3.84561	L	-0.01469		41.33547	1.10958	0.66310	0.99656	0.73954	0.25874
Mean	H	3.84475	L	-0.01272		41.30313	1.10424	0.70559	0.92455	0.56734	0.19748
%RSD		0.02236		13.60633		0.15058	0.43018	8.38164	7.46997	26.29511	27.48149

		Sb 252.852 ppm		Se 196.091 ppm		Si 251.611 ppm		Sn 242.949 ppm		Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	H	28.60640		4.90513	H	71.73782		7.22708	H	1.03701	328.03700	1.21969	0.97676
# 2	H	28.85571		5.40680	H	71.52789		7.10614	H	1.04339	328.44629	1.22099	0.98693
# 3	H	28.77861		5.22087	H	71.50494		7.17323	H	1.04341	328.60460	1.22664	0.99123
Mean	H	28.74690		5.17760	H	71.59022		7.16882	H	1.04127	328.36263	1.22244	0.98498
%RSD		0.44402		4.89840		0.17928		0.84519		0.35466	0.08920	0.30227	0.75448

		U 367.007 ppm		V 292.402 ppm		W 239.710 ppm		Zn 213.857 ppm		Zr 343.822 ppm
# 1		0.01643		0.97997		0.04518		0.97935		0.00191
# 2		0.01190		0.98580		0.01306		0.97689		0.00179
# 3	L	-0.01830		0.98264		0.05420		1.00099		0.00154
Mean		0.00334		0.98280		0.03748		0.98574		0.00175
%RSD		564.77635		0.29726		57.69304		1.34509		10.59052

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10454-4L Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 11:33:10 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00168	0.42402	0.62230	0.01556	0.41509	0.01442	0.00020	5.40738
# 2 L	-0.00065	0.43858	0.13841	0.01568	0.40659	0.01400	0.00015	5.40265
# 3 L	-0.00084	0.44427	0.17284	0.02147	0.40934	0.01447	0.00020	5.39453
Mean	0.00006	0.43576	0.31119	0.01757	0.41034	0.01430	0.00018	5.40152
%RSD	2217.19869	2.40928	86.75971	19.23577	1.05690	1.79491	17.02480	0.12031

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm

Mean	0.00006	0.43576	0.31119	0.01757	0.41034	0.01430	0.00018	5.40152
%RSD	2217.19869	2.40928	86.75971	19.23577	1.05690	1.79491	17.02480	0.12031

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00323 L	-0.00385	0.01487	0.00080	0.65438	1.53864	0.03733	0.81265
# 2	0.00117	0.00061	0.01359	0.00200	0.66713	1.54602	0.03582	0.80619
# 3	0.00172	0.00944	0.01433	0.00294	0.65733	1.53379	0.03493	0.80387
Mean	0.00204	0.00206	0.01427	0.00192	0.65961	1.53948	0.03602	0.80757
%RSD	52.32399	327.67251	4.49538	55.99107	1.01259	0.40020	3.36427	0.56304

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	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.52356 L	-0.01063	5.11881	0.03446	0.11696	0.01565	0.03734	0.28604
# 2	0.52136 L	-0.01287	5.15344	0.05717	0.02776	0.01159 L	-0.44114	0.24224
# 3	0.52071 L	-0.00940	5.09660	0.04140	0.08831	0.09828	0.02714	0.14578
Mean	0.52188 L	-0.01097	5.12295	0.04434	0.07768	0.04184 L	-0.12555	0.22468
%RSD	0.28651	16.07771	0.55912	26.24522	58.63129	116.92610	217.71705	31.93823

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	5.07127	0.12673	12.76820 L	-0.07291	0.01669	129.85284	0.01691	0.00163
# 2	5.30128 L	-0.88886	13.16099 L	-0.04583	0.01665	129.89849	0.01406	0.02781
# 3	5.23588 L	-0.10181	13.06290 L	-0.06080	0.01667	129.81007	0.01401	0.04340
Mean	5.20281 L	-0.28798	12.99736 L	-0.05985	0.01667	129.85380	0.01499	0.02428
%RSD	2.27799	185.00498	1.57285	22.66776	0.12736	0.03405	11.07298	86.93246

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.00979 L	-0.00313 L	-0.00221 L	-0.00532	0.00123
# 2 L	-0.02121 L	-0.00227	0.02730	0.00622	0.00130
# 3 L	-0.03434 L	-0.00254	0.05212 L	-0.01180	0.00184
Mean L	-0.02178 L	-0.00265	0.02574 L	-0.00363	0.00146
%RSD	56.40803	16.55332	105.69714	251.07071	23.13233

EVOLUTION by Micro-Active Australia Pty Ltd 11:43:30 PM October 7, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10454-2 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 11:38:18 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00089	9.08950	0.92880	0.01144	4.61240	0.08130 L	-0.00009	65.77739
# 2	0.00080	9.05515	2.05360	0.00689	4.58761	0.08109	0.00003	65.05886
# 3 L	-0.00150	9.10841	2.77072	0.00286	4.59479	0.08148 L	-0.00003	65.45059
Mean	0.00006	9.08435	1.91771	0.00707	4.59827	0.08129 L	-0.00003	65.42895
%RSD	2151.05915	0.29721	48.41463	60.75095	0.27731	0.24123	191.77568	0.54984

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01069	0.01815	0.02428	0.16812	30.08068	28.93091	0.03395	10.82821
# 2	0.01324	0.02229	0.02567	0.16419	29.95039	29.01324	0.03433	10.88020
# 3	0.01440	0.02660	0.02466	0.16505	30.02061	29.01711	0.03411	10.88566
Mean	0.01278	0.02235	0.02487	0.16579	30.01723	28.98709	0.03413	10.86469
%RSD	14.85412	18.88883	2.87790	1.24544	0.21724	0.16796	0.55418	0.29184

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.36110	0.00336	62.82301	0.04142	1.20678	0.13562	0.46867	0.16487
# 2	1.35617	0.00814	62.88862	0.01939	1.02649	0.18665	0.56748	0.06619
# 3	1.35492	0.00671	61.57882	0.02516	1.12682	0.07814	0.52345	0.14120
Mean	1.35740	0.00607	62.43015	0.02866	1.12003	0.13347	0.51987	0.12409
%RSD	0.24057	40.38553	1.18213	39.86564	8.06541	40.67373	9.52214	41.51881

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	51.76300	0.48101 H	127.44355	0.12888	0.13332	153.02468	0.64199 L	-0.02301
# 2 H	52.37825	0.74383 H	129.18515	0.09536	0.13320	152.96050	0.64083 L	-0.00470
# 3 H	52.14655	0.08589 H	128.42911	0.13751	0.13359	153.52097	0.64306 L	-0.00092
Mean H	52.09593	0.43691 H	128.35260	0.12058	0.13337	153.16871	0.64196 L	-0.00954
%RSD	0.59646	75.80037	0.68040	18.46739	0.14912	0.20026	0.17358	123.82258

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.16059	0.01966 L	-0.00651	0.50929	0.00195
# 2	0.16113	0.01928	0.04564	0.52508	0.00262
# 3	0.22952	0.02008	0.08969	0.58452	0.00191
Mean	0.18375	0.01967	0.04294	0.53963	0.00216
%RSD	21.57375	2.03203	112.15192	7.35191	18.56136

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10454-3 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 11:43:26 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00336	7.83229	3.56068	0.03229	5.32676	0.07279	0.00020	77.30592
# 2	0.00311	7.84746	3.72506	0.02664	5.35046	0.07286	0.00016	77.75219
# 3	0.00529	7.88950	3.91946	0.02608	5.38756	0.07313	0.00022	78.04735
Mean	0.00392	7.85641	3.73507	0.02833	5.35493	0.07292	0.00019	77.70182
%RSD	30.46751	0.37723	4.80836	12.12264	0.57232	0.24511	14.50158	0.48039

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01578	0.02495	0.03137	0.14816	46.61354	34.30665	0.03841	12.78833
# 2	0.01855	0.03079	0.03430	0.14774	46.74480	34.59302	0.03787	12.89191
# 3	0.01841	0.03517	0.03182	0.15151	46.76763	34.59949	0.03864	12.93407
Mean	0.01758	0.03030	0.03250	0.14913	46.70866	34.49972	0.03831	12.87144
%RSD	8.88964	16.93044	4.86955	1.38382	0.17804	0.48474	1.03012	0.58266

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.65478	0.00289	62.29894	0.05120	1.54086	0.12770	0.41239	0.18634
# 2	1.66000	0.00445	61.92979	0.03816	1.50842	0.07647	0.34129	0.19606
# 3	1.66533	0.00855	62.06179	0.03166	1.44327	0.05539	0.43473	0.50418

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	1.65478	0.00289	62.29894	0.05120	1.54086	0.12770	0.41239	0.18634
# 2	1.66000	0.00445	61.92979	0.03816	1.50842	0.07647	0.34129	0.19606
# 3	1.66533	0.00855	62.06179	0.03166	1.44327	0.05539	0.43473	0.50418
Mean	1.66004	0.00530	62.09684	0.04034	1.49752	0.08652	0.39614	0.29552
%RSD	0.31762	55.17548	0.30123	24.66932	3.31873	42.97961	12.31755	61.16716

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	48.20715	0.45455 H	119.36330	0.36185	0.13129	154.86297	0.70851	0.06612
# 2 H	48.69873	0.93633 H	119.56041	0.32946	0.13209	155.49047	0.71154	0.00691

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# 3 H	48.91633	0.32509 H	119.89524	0.37878	0.13255	155.29366	0.71314	0.07619
Mean H	48.60740	0.57199 H	119.60632	0.35670	0.13198	155.21570	0.71106	0.04974
%RSD	0.74742	56.31164	0.22484	7.02676	0.48169	0.20677	0.33030	75.25644

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.29771	0.02109 L	-0.02577	0.55418	0.00690
# 2	0.33771	0.01924	0.01256	0.61431	0.00468
# 3	0.33431	0.02143	0.02434	0.63973	0.00185
Mean	0.32324	0.02059	0.00371	0.60274	0.00448
%RSD	6.86147	5.73364	706.41521	7.28888	56.51246

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10454-S Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 11:48:38 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00205	0.27351 L	-0.51196 L	-0.00129	0.12969	0.08657 L	-0.00014	35.21363
# 2	0.00127	0.26600 L	-1.29290	0.00806	0.11898	0.08631 L	-0.00016	35.22404
# 3	0.00172	0.29274 L	-2.22498	0.00906	0.10982	0.08620 L	-0.00018	35.40013
Mean	0.00168	0.27742 L	-1.34328	0.00528	0.11950	0.08636 L	-0.00016	35.27927
%RSD	23.33610	4.97140	63.84563	108.24127	8.32206	0.21906	12.33119	0.29706

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00998 L	-0.00410	0.00263 L	-0.00144	0.33187	8.27052	0.01474	9.48512
# 2	0.00833 L	-0.00086	0.00343 L	-0.00039	0.33790	8.30624	0.01358	9.49798
# 3	0.00696 L	-0.00046	0.00708	0.00098	0.33976	8.31074	0.01047	9.49069
Mean	0.00842 L	-0.00181	0.00438 L	-0.00029	0.33651	8.29583	0.01293	9.49126
%RSD	17.93303	110.41489	54.15968	424.24629	1.22525	0.26562	17.04541	0.06793

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.07133 L	-0.01453	39.32244	0.00372	0.20575	0.01500 L	-0.71244	0.02172
# 2	0.07134 L	-0.01568	40.43623 L	-0.01104	0.23106 L	-0.00758 L	-0.56917 L	-0.19454
# 3	0.07180 L	-0.01938	40.02402	0.00968	0.23747	0.09945 L	-0.49495 L	-0.08859
Mean	0.07149 L	-0.01653	39.92756	0.00079	0.22476	0.03562 L	-0.59219 L	-0.08714
%RSD	0.37270	15.33618	1.41036	1356.08669	7.46058	158.36293	18.66953	124.09678

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	10.08685	0.23790 H	25.65561	0.02721	0.25828	182.25900	0.01701 L	-0.01364
# 2	10.17642	0.24820 H	25.57786	0.10269	0.25814	181.00258	0.01806 L	-0.02514
# 3	10.23928	0.18889 H	25.69807	0.00914	0.26109	181.14519	0.01552 L	-0.00861
Mean	10.16752	0.22500 H	25.64385	0.04635	0.25917	181.46892	0.01686 L	-0.01580
%RSD	0.75341	14.08555	0.23773	107.06953	0.64190	0.37909	7.56151	53.64160

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.01727 L	-0.00298 L	-0.03594 L	-0.06769	0.00324
# 2 L	-0.05506 L	-0.00189 L	-0.04227 L	-0.10362	0.00197
# 3 L	-0.09137 L	-0.00312	0.01778 L	-0.11671	0.00157
Mean L	-0.05456 L	-0.00266 L	-0.02015 L	-0.09601	0.00226
%RSD	67.90339	25.17531	163.78803	26.43903	38.53624

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DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVH Identity 2 : 14712,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:53:44 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00068	49.24301 L	-0.69541	0.00035	0.05150	0.00981	0.00678	50.67445
# 2 L	-0.00096	49.60595 L	-1.11731 L	-0.02025	0.05732	0.00977	0.00668	50.86890
# 3 L	-0.00210	49.52545 L	-1.55923 L	-0.00418	0.03068	0.00984	0.00675	51.10007
Mean L	-0.00079	49.45814 L	-1.12398 L	-0.00803	0.04650	0.00981	0.00673	50.88114
%RSD	175.67834	0.38538	38.43001	134.77848	30.11613	0.40002	0.73317	0.41877

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01113	0.02058	0.00575	0.00421	49.51626	52.32959	0.01163	49.53581
# 2	0.01150	0.02621	0.01013	0.00303	49.33842	52.37233	0.01121	49.63946
# 3	0.00962	0.02439	0.00704	0.00335	49.19910	52.72007	0.01069	49.90989
Mean	0.01075	0.02373	0.00764	0.00353	49.35126	52.47400	0.01118	49.69505
%RSD	9.25260	12.11600	29.46256	17.27213	0.32212	0.40815	4.21939	0.38864

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.353 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00748 L	-0.05086	51.03858	0.02067	0.14090	0.05030	0.14458	0.09120
# 2	0.00864 L	-0.05156	50.69425 L	-0.00108	0.03702 L	-0.01481	0.12128 L	-0.16979
# 3	0.00811 L	-0.05119	50.47442	0.01506 L	-0.02597	0.01982 L	-0.09351 L	-0.15542
Mean	0.00808 L	-0.05121	50.73575	0.01155	0.05065	0.01844	0.05745 L	-0.07800
%RSD	7.20865	0.68594	0.56047	97.77117	166.37005	176.69195	228.45723	188.08095

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.11713	0.18311	0.58791 L	-0.02976	0.00283	117.92904	0.00010 L	-0.00781
# 2	0.12964 L	-0.22812	0.44447	0.01855	0.00278	117.24749	0.00041 L	-0.05509
# 3	0.10215	0.35636	0.51764 L	-0.00093	0.00282	117.93802 L	-0.00018 L	-0.02420
Mean	0.11630	0.10378	0.51667 L	-0.00405	0.00281	117.70485	0.00011 L	-0.02904
%RSD	11.83408	289.27222	13.88193	600.44576	0.80711	0.33653	260.72092	82.68294

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.30651	0.00608 L	-0.01304	0.08277	0.00254
# 2	0.26134	0.00632	0.00802	0.07463 L	-0.00016
# 3	0.27631	0.00505	0.04746	0.04306	0.00132
Mean	0.28138	0.00582	0.01415	0.06682	0.00123
%RSD	8.17645	11.64996	217.09408	31.39696	109.76274

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14712,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:58:54 PM October 7, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00057 L	-0.01574	9.47617	0.16493	10.16970 H	9.44506 H	9.48680	0.30339
# 2 L	-0.00004 L	-0.00478	9.21582	0.16760	10.16604 H	9.47413 H	9.46461	0.30382
# 3	0.00035 L	-0.00380	10.09475	0.17654	10.24502 H	9.52187 H	9.52631	0.30439
Mean L	-0.00009 L	-0.00811	9.59558	0.16969	10.19359 H	9.48035 H	9.49257	0.30387
%RSD	522.66792	81.75385	4.70496	3.58177	0.43733	0.40906	0.32926	0.16572

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1 H	9.71303 H	9.79612 H	9.76512 H	9.59790	0.12217	0.13825	0.00909	0.11591
# 2 H	9.74185 H	9.75020 H	9.75133 H	9.60049	0.10541	0.13623	0.00846	0.11287
# 3 H	9.72567 H	9.76788 H	9.79305 H	9.64872	0.09601	0.13256	0.00761	0.10287
Mean H	9.72685 H	9.77140 H	9.76983 H	9.61571	0.10786	0.13568	0.00839	0.11055
%RSD	0.14852	0.23705	0.21753	0.29768	12.28766	2.12800	8.88294	6.17375

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.353 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	9.61242 H	9.91174	0.10654 H	9.77722	2.33496	10.14286	9.65235	10.21359
# 2 H	9.57194 H	9.87925	0.10588 H	9.75061	2.33960	10.09711	9.51393	9.98728
# 3 H	9.57727 H	9.97207	0.10328 H	9.80042	2.39013	9.95842	9.55340	9.98034

# 1	H	9.61242	H	9.91174	0.10654	H	9.77722	2.33496	10.14286	9.65235	10.21359
# 2	H	9.57194	H	9.87925	0.10588	H	9.75061	2.33960	10.09711	9.51393	9.98728
# 3	H	9.57727	H	9.97207	0.10328	H	9.80042	2.39013	9.95842	9.59590	9.98034
Mean	H	9.58721	H	9.92102	0.10524	H	9.77608	2.35490	10.06613	9.58739	10.06041
%RSD		0.22946		0.47475	1.63748		0.25495	1.29945	0.95414	0.72597	1.31913

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	10.23071	10.23414	1.62059 L	-0.40331	0.00038	115.80481	0.00164	10.41941
# 2	10.49045	9.46763	1.62781 L	-0.39364	0.00042	115.44927	0.00171	10.19712

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# 3	10.43953	9.96132	1.68456 L	-0.42503	0.00039	115.47366	0.00166	9.95142
Mean	10.38690	9.88770	1.64432 L	-0.40732	0.00040	115.57591	0.00167	10.18932
%RSD	1.32511	3.92939	2.13073	3.94655	5.52562	0.17184	2.14961	2.29746

	U 367.007		V 292.402	W 239.710		Zn 213.857	Zr 343.822
	ppm		ppm	ppm		ppm	ppm
# 1	L -0.09843	H	9.72074	0.12735	H	9.90684 L	-0.00137
# 2	L -0.04388	H	9.87511	0.11654	H	9.88721 L	-0.00014
# 3	L -0.10747	H	9.90395	0.11609	H	9.87891 L	-0.00179
Mean	L -0.08326	H	9.83327	0.11999	H	9.89099 L	-0.00110
%RSD	41.31813		1.00183	5.31261		0.14503	78.30115

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14712,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 0:04:02 AM October 8, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.07336 L	-0.00974	1.16618	0.00796	1.10116	1.04119	1.04792	0.05093
# 2	0.07465 L	-0.02106	0.55818	0.00658	1.08486	1.05263	1.04886	0.04879
# 3	0.07384 L	-0.01751	0.46674	0.01366	1.12220	1.04820	1.05336	0.04889
Mean	0.07395 L	-0.01610	0.73037	0.00940	1.10274	1.04734	1.05005	0.04954
%RSD	0.88218	35.94537	52.05413	39.94919	1.69768	0.55033	0.27707	2.43417

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.99288	0.96398	1.03696	0.99006	0.01127	0.03760	0.00863	0.00168
# 2	0.99966	0.99739	1.04133	0.99153	0.00457	0.04178	0.00754 L	-0.00234
# 3	1.00069	0.99058	1.04621	0.99776	0.00034	0.03896	0.00612 L	-0.00255
Mean	0.99774	0.98398	1.04150	0.99312	0.00540	0.03945	0.00743 L	-0.00107
%RSD	0.42527	1.79421	0.44393	0.41160	102.14920	5.40132	16.96675	222.60982

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.99190	1.06764	0.01569	0.99882	0.34519	1.07754	1.51912	1.15758
# 2	0.99272	1.06776	0.01558	0.95007	0.13916	1.03407	1.40777	1.10504
# 3	1.00039	1.06686	0.01526	0.96736	0.24579	1.05122	1.64498	0.94717
Mean	0.99501	1.06742	0.01551	0.97208	0.24338	1.05428	1.52396	1.06993
%RSD	0.47065	0.04563	1.44555	2.54250	42.33641	2.07689	7.78758	10.23550

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	1.21284	1.34567	0.36342 L	-0.13973	0.25084	159.76539 L	-0.00031	1.04286
# 2	1.23822	1.36389	0.43193 L	-0.03061	0.25064	159.72175	0.00011	1.02423
# 3	1.22148	1.04040	0.38294 L	-0.12994	0.24991	159.92968 L	-0.00017	1.00750
Mean	1.22418	1.24999	0.39276 L	-0.10010	0.25046	159.80561 L	-0.00012	1.02486
%RSD	1.05389	14.53878	8.98620	60.31558	0.19553	0.06861	171.49118	1.72589

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1	0.01488	0.99992	0.01476	1.05064	0.00081
# 2	L -0.01674	1.00209	0.05209	1.03999 L	-0.00027
# 3	L -0.01550	0.99817	0.02211	1.06564 L	-0.00075
Mean	L -0.00579	1.00006	0.02965	1.05209 L	-0.00007
%RSD	309.42402	0.19634	66.68700	1.22506	1129.92860

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14712,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 0:09:08 AM October 8, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00012 L	-0.02856	0.33826 L	-0.01652	0.07845	0.00062	0.00031 L	-0.00520
# 2	0.00110 L	-0.03399	1.00010 L	-0.00604	0.08119	0.00052	0.00029 L	-0.00530
# 3 L	-0.00054 L	-0.02920	1.34378 L	-0.00225	0.06955	0.00061	0.00031 L	-0.00582
Mean	0.00023 L	-0.03058	0.89405 L	-0.00827	0.07640	0.00058	0.00030 L	-0.00544
%RSD	363.47995	9.69491	57.16495	89.33883	7.96757	9.40826	4.28511	19889

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077

Mean	0.00023 L	-0.03058	0.89405 L	-0.00827	0.07640	0.00058	0.00030 L	-0.00544
%RSD	363.47995	9.69491	57.16495	89.33883	7.96757	9.40826	4.28511	6.19889

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00498	0.00469 L	-0.00221 L	-0.00104	0.00084	0.04624	0.00758	0.00430
# 2	0.00212	0.00623	0.00127 L	-0.00103 L	-0.00855	0.03827	0.00670 L	-0.00371
# 3	0.00471	0.00207 L	-0.00056 L	-0.00127	0.00007	0.04049	0.00549	0.01953
Mean	0.00394	0.00433 L	-0.00050 L	-0.00111 L	-0.00255	0.04167	0.00659	0.00671
%RSD	40.19560	48.51292	347.86464	12.50225	204.87689	9.86957	15.93434	176.03485

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	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Se 217.583 ppm
# 1	0.00098	0.00455 L	-0.00204	0.00949 L	-0.09980	0.00793	0.00238	0.38208
# 2	0.00013	0.01154 L	-0.00376 L	-0.01228 L	-0.22439	0.01331	0.20944	0.26714
# 3	0.00033	0.00592 L	-0.00632 L	-0.01155 L	-0.12970	0.02512	0.13423	0.33807
Mean	0.00048	0.00734 L	-0.00404 L	-0.00478 L	-0.15130	0.01546	0.11535	0.32910
%RSD	92.85601	50.47051	53.21861	258.61375	42.98754	56.88516	90.86129	17.62072

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.13003	0.52401 L	-0.00813 L	-0.04444 L	-0.00009	115.19385	0.00008 L	-0.00309
# 2	0.11193 L	-0.13590	0.05230 L	-0.06837 L	-0.00002	114.57263	0.00047	0.03031
# 3	0.08237	0.15066	0.01458	0.03881 L	-0.00008	114.06692	0.00037	0.02629
Mean	0.10811	0.17959	0.01958 L	-0.02467 L	-0.00006	114.61113	0.00031	0.01784
%RSD	22.25683	184.25780	155.85251	228.06563	61.04104	0.49249	65.58659	102.24693

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.02015 L	-0.00087 L	-0.01346	0.02677	0.00053
# 2 L	-0.05376 L	-0.00121	0.00561	0.04015	0.00160
# 3 L	-0.03489	0.00076	0.04031	0.06880 L	-0.00075
Mean L	-0.02284 L	-0.00044	0.01082	0.04524	0.00046
%RSD	168.15849	238.78079	251.93905	47.46708	255.91677

EVOLUTION by Micro-Active Australia Pty Ltd 0:18:40 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10271-1 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 0:14:16 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00083	2.09645	0.84189	0.01866	0.20507	0.40452 L	-0.00007	22.37024
# 2	0.00101	2.15137	1.84199	0.02695	0.19382	0.40353	0.00001	22.40193
# 3	0.00295	2.11881	2.59752	0.00849	0.18668	0.40372 L	-0.00007	22.46484
Mean	0.00159	2.12221	1.76047	0.01804	0.19519	0.40392 L	-0.00004	22.41233
%RSD	73.74357	1.30143	50.02388	51.26369	4.74913	0.13013	118.43784	0.21484

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00980	0.02519	0.00342	0.01352	44.27376	7.21052	0.01198	11.12322
# 2	0.01246	0.03229	0.00526	0.01537	44.10255	7.15842	0.01131	11.13735
# 3	0.01414	0.03131	0.00546	0.01553	44.27946	7.21799	0.00952	11.21036
Mean	0.01213	0.02960	0.00471	0.01481	44.21859	7.19564	0.01094	11.15698
%RSD	18.00191	13.00597	23.90239	7.55386	0.22736	0.45094	11.59394	0.41917

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.48416 L	-0.00855	9.09586	0.00402 L	-0.06498	0.04883	0.95564	0.04706
# 2	1.48487 L	-0.00365	9.15487	0.00181 L	-0.06907	0.08139	0.77015	0.02279
# 3	1.49332 L	-0.00576	9.17108 L	-0.01288 L	-0.08790	0.05754	1.04747	0.08579
Mean	1.48745 L	-0.00598	9.14061 L	-0.00235 L	-0.08065	0.06259	0.92442	0.05188
%RSD	0.34247	41.04974	0.43310	291.01062	16.84309	26.93124	15.28190	61.23979

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	9.96051	0.24856 H	25.12639 L	-0.02946	0.18944	164.85873	0.04586 L	-0.04395
# 2	9.92424	0.19759 H	24.76034 L	-0.02397	0.18994	164.93290	0.04693 L	-0.00602
# 3	9.78718 L	-0.02101 H	24.68791	0.05364	0.19109	164.58920	0.04977 L	-0.00557
Mean	9.89064	0.14171 H	24.85821	0.00007	0.19016	164.79361	0.04752 L	-0.01851
%RSD	0.92428	101.05741	0.94558	64383.97732	0.44488	0.10975	4.25989	118.98025

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.30076	0.01113	0.04034	0.13130	0.00300
# 2	0.34155	0.01134 L	-0.04020	0.16535	0.00452
# 3	0.28679	0.01197 L	-0.01227	0.18063	0.00339
Mean	0.30970	0.01148 L	-0.00404	0.15909	0.00364
%RSD	9.18734	3.83684	1011.82637	15.87345	21.66304

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-2 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 0:17:44 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00714	3.88772	1.16182 L	-0.01013	0.59367	0.10962	0.00004 H	720.89753
# 2	0.00610	3.85203	1.50904	0.01270	0.61721	0.10946	0.00007 H	725.99023
# 3	0.00427	3.86894	0.58850 L	-0.00291	0.58349	0.11048	0.00005 H	722.61836
Mean	0.00584	3.86956	1.08645 L	-0.00011	0.59812	0.10985	0.00005 H	723.16871
%RSD	24.83102	0.46138	42.78824	10204.53181	2.89107	0.49898	34.60305	0.35823

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.02561 L	-0.00470 L	-0.00478 L	-0.01977	3.44596	9.48556	0.13771 H	573.40185
# 2	0.02596 L	-0.00305 L	-0.00565 L	-0.01956	3.45551	9.43275	0.13860 H	567.16875
# 3	0.02678	0.00819 L	-0.00257 L	-0.02014	3.47219	9.47252	0.13790 H	571.72424
Mean	0.02612	0.00015 L	-0.00433 L	-0.01982	3.45789	9.46361	0.13807 H	570.76495
%RSD	2.29911	4747.76254	36.67761	1.49492	0.38393	0.29069	0.33900	0.56510

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.04547 L	-0.05986	Over-range	0.01583	0.24060	0.10219	0.22186 L	-0.16132

# 1	0.04647 L	-0.05986	Over-range	0.01583	0.24860	0.10219	0.22186 L	-0.16132
# 2	0.04686 L	-0.05527	Over-range	0.00542	0.21625	0.07415	0.19383	0.01501
# 3	0.04518 L	-0.05809	Over-range	0.00445	0.00780	0.03577	0.33044 L	-0.06202
Mean	0.04617 L	-0.05774	Over-range	0.00857	0.15755	0.07070	0.24871 L	-0.06944
%RSD	1.91104	4.01333	n/a	73.62098	82.94999	47.16525	29.01279	127.29699

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	32.68846	0.37784 H	81.10270	0.38498 H	8.51895	1707.47573	0.16431	0.04214
# 2 H	32.68415	0.26827 H	80.68147	0.37061 H	8.65181	1712.38862	0.14976	0.01792

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# 3 H	32.71116	0.51244 H	79.88291	0.43673 H	8.61342	1693.76196	0.16276	0.00016
Mean H	32.69459	0.38618 H	80.55569	0.39744 H	8.59472	1704.54210	0.15894	0.02008
%RSD	0.04438	31.66943	0.76909	8.74994	0.79553	0.56635	5.03004	104.96922

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.05304	0.00532 L	-0.02462	0.05140	0.00924
# 2 L	-0.01825	0.00490 L	-0.02178	0.04519	0.00527
# 3 L	-0.08384	0.00274 L	-0.07612	0.02536	0.00658
Mean L	-0.05171	0.00432 L	-0.04084	0.04065	0.00703
%RSD	63.45402	32.07801	74.88494	33.45300	28.79286

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-2,1:100 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 0:23:04 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00194	0.11484	0.43630 L	-0.00396	0.03394	0.00235 L	-0.00030	9.87419
# 2 L	-0.00135	0.11324	0.20727	0.00138	0.03312	0.00286 L	-0.00027	9.91380
# 3 L	-0.00046	0.09525	0.26416 L	-0.00792	0.02762	0.00262 L	-0.00027	9.89482
Mean	0.00004	0.10777	0.30258 L	-0.00350	0.03156	0.00261 L	-0.00028	9.89427
%RSD	3875.40815	10.09128	39.41207	133.30651	10.89663	9.92124	5.93530	0.20022

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00539 L	-0.00865	0.00518 L	-0.00248	0.05055	0.12504	0.02181	6.52954
# 2	0.00561 L	-0.00229	0.00147 L	-0.00068	0.04240	0.12247	0.02104	6.53384
# 3	0.00444	0.01131	0.00144 L	-0.00137	0.04944	0.12239	0.01891	6.53748
Mean	0.00515	0.00012	0.00270 L	-0.00151	0.04747	0.12330	0.02058	6.53362
%RSD	12.14722	8317.27230	79.72830	59.97039	9.31320	1.22450	7.29673	0.06088

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00017 L	-0.01424	53.63462	0.00255	0.14447 L	-0.00206 L	-0.25662	0.09321
# 2	0.00033 L	-0.01793	53.12872 L	-0.00311	0.13840	0.01103 L	-0.47121	0.06761
# 3	0.00050 L	-0.01619	54.45987	0.00587	0.24220	0.06384 L	-0.51783	0.21275
Mean	0.00033 L	-0.01612	53.74107	0.00177	0.17502	0.02427 L	-0.41522	0.12453
%RSD	49.73800	11.45606	1.25031	256.16826	33.28551	143.73956	33.55176	62.21235

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.58331	0.08607	1.24757 L	-0.01786	0.12031	153.34841	0.00301 L	-0.06433
# 2	0.49324	0.21961	1.25897	0.02414	0.12083	153.02753	0.00106 L	-0.06093
# 3	0.58777	0.07470	1.28835 L	-0.00783	0.12075	152.66529	0.00216 L	-0.07883
Mean	0.55477	0.12679	1.26496 L	-0.00052	0.12063	153.01374	0.00208 L	-0.06803
%RSD	9.61336	63.55355	1.66303	4247.35240	0.22872	0.22336	47.20140	13.97346

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.04280 L	-0.00585 L	-0.05820	0.01732	0.00217
# 2 L	-0.02219 L	-0.00510 L	-0.03283	0.02448	0.00084
# 3 L	-0.05269 L	-0.00647	0.00500	0.02138	0.00265
Mean L	-0.03923 L	-0.00581 L	-0.02868	0.02106	0.00189
%RSD	39.67266	11.80814	110.90452	17.05589	49.81533

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-3 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 0:28:16 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00633	7.01774	0.16444	0.01713	1.56121	0.04577	0.00035 H	160.59930
# 2	0.00294	7.01463 L	-0.16220	0.02346	1.57072	0.04577	0.00041 H	161.27432
# 3	0.00418	7.00471 L	-0.45842	0.01525	1.54665	0.04612	0.00046 H	160.54665
Mean	0.00448	7.01236 L	-0.15206	0.01861	1.55953	0.04589	0.00041 H	160.80676
%RSD	38.31478	0.09704	204.89129	23.10268	0.77713	0.44180	13.68670	0.25234

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077

Mean	0.00448	7.01236 L	-0.15206	0.01861	1.55953	0.04589	0.00041 H	160.80676
%RSD	38.31478	0.09704	204.89129	23.10268	0.77713	0.44180	13.68670	0.25234

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01004	0.00339	0.01849	0.01061	6.40208	11.07843	0.17167 H	150.11986
# 2	0.01098	0.00915	0.02025	0.01172	6.39744	11.09885	0.17133 H	150.15574
# 3	0.01204	0.01080	0.01723	0.00890	6.42296	11.13718	0.17038 H	149.87045
Mean	0.01102	0.00778	0.01866	0.01041	6.40749	11.10482	0.17113 H	150.04868
%RSD	9.07089	50.05296	8.10938	13.63935	0.21213	0.26859	0.39161	0.10356

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	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.36803 L	-0.02237	Over-range	0.02577	0.20776 L	-0.02330	0.08460	0.17008
# 2	0.36829 L	-0.02082	Over-range	0.01388	0.19273 L	-0.00391 L	-0.02055 L	-0.02442
# 3	0.36957 L	-0.01886	Over-range	0.00119	0.10954	0.08531	0.03154	0.04236
Mean	0.36863 L	-0.02068	Over-range	0.01362	0.17001	0.01937	0.03186	0.06267
%RSD	0.22288	8.50935	n/a	90.29086	31.11781	299.12335	165.00305	157.69075

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	37.94181	0.24856 H	94.41271	0.07374 H	4.74890	994.76240	0.11422 L	-0.01585
# 2 H	38.64668	0.14876 H	95.41311	0.18196 H	4.79026	992.09636	0.12013	0.00527
# 3 H	38.65764	0.22103 H	94.88523	0.15865 H	4.81633	1000.51360	0.11598 L	-0.00533
Mean H	38.41538	0.20611 H	94.90368	0.13812 H	4.78516	995.79079	0.11678 L	-0.00530
%RSD	1.06770	25.00833	0.52733	41.23631	0.71060	0.43200	2.59685	199.11915

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.02504	0.01338 L	-0.08890	0.07754	0.00670
# 2 L	-0.01924	0.01099 L	-0.07428	0.08368	0.00241
# 3	0.02175	0.01063 L	-0.07336	0.08627	0.00112
Mean L	-0.00751	0.01166 L	-0.07884	0.08250	0.00341
%RSD	339.52981	12.81430	11.05848	5.43176	85.66761

EVOLUTION by Micro-Active Australia Pty Ltd 0:38:56 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-3,1:100 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 0:33:26 AM October 8, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00168	0.10837	0.13317	0.00510	0.06008	0.00069 L	-0.00026	2.04430
# 2	0.00201	0.10920	0.09391	0.00522	0.04984	0.00074 L	-0.00035	2.03390
# 3	0.00124	0.10675 L	-0.19684 L	-0.00644	0.06947	0.00081 L	-0.00023	2.04034
Mean	0.00164	0.10811	0.01008	0.00129	0.05980	0.00074 L	-0.00028	2.03952
%RSD	23.63639	1.15003	1788.84721	518.46241	16.41952	8.15833	20.92406	0.25734

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00290 L	-0.00296	0.00217 L	-0.00571	0.07343	0.15724	0.01561	1.73924
# 2	0.00575	0.00681	0.00089 L	-0.00442	0.06721	0.16374	0.01460	1.74261
# 3	0.00500	0.00928	0.00351 L	-0.00247	0.07360	0.16357	0.01400	1.74768
Mean	0.00455	0.00437	0.00219 L	-0.00420	0.07141	0.16151	0.01474	1.74318
%RSD	32.41077	147.94458	59.62337	38.88022	5.09811	2.29309	5.53220	0.24383

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00463 L	-0.01606	49.03568 L	-0.00660	0.12090	0.05357 L	-0.19691	0.27368
# 2	0.00433 L	-0.01659	49.53051	0.00422	0.24078	0.15985	0.07987	0.16901
# 3	0.00453 L	-0.01047	48.90684	0.00477	0.00097	0.10630 L	-0.12248	0.12524
Mean	0.00450 L	-0.01437	49.15767	0.00080	0.12088	0.10657 L	-0.07984	0.18931
%RSD	3.42348	28.60787	0.66978	806.35263	99.19080	49.86188	179.40528	40.29235

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.52212	0.23843	1.30510 L	-0.09127	0.06485	142.22884	0.00230	0.01194
# 2	0.56040	0.58259	1.30434 L	-0.06523	0.06488	142.22884	0.00137	0.03816
# 3	0.50675	0.51120	1.22769 L	-0.01027	0.06505	141.22627	0.00250	0.00380
Mean	0.52976	0.44408	1.27905 L	-0.05559	0.06493	141.89465	0.00206	0.01797
%RSD	5.21506	40.90118	3.47716	74.39635	0.15849	0.40794	29.27880	99.93339

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1	0.01943	0.00031 L	-0.00382	0.05255	0.00066
# 2	0.03488 L	-0.00173	0.00327	0.07077 L	-0.00119
# 3 L	-0.01801 L	-0.00151	0.04744	0.05311 L	-0.00023
Mean	0.01210 L	-0.00098	0.01563	0.05881 L	-0.00026
%RSD	224.70823	114.28245	177.70919	17.62706	360.07921

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-4 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 0:38:38 AM October 8, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00519	4.81307	0.74322	0.02078	1.48294	0.04742	0.00017 H	196.84089
# 2	0.00298	4.84657	0.53518	0.02843	1.48073	0.04800	0.00024 H	197.68635
# 3	0.00135	4.83933	1.02578	0.02074	1.48043	0.04773	0.00015 H	197.78955
Mean	0.00317	4.83299	0.76806	0.02332	1.48137	0.04772	0.00019 H	197.43893
%RSD	60.63175	0.36470	32.06036	19.00381	0.09244	0.60220	26.84432	0.26362

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00602	0.00159	0.00945	0.01155	4.58079	11.27629	0.17347 H	200.58963
# 2	0.00726	0.01185	0.01356	0.01357	4.58400	11.26666	0.17329 H	197.56002
# 3	0.00666	0.00307	0.01350	0.01242	4.62959	11.23832	0.17501 H	198.58368
Mean	0.00664	0.00550	0.01217	0.01251	4.59813	11.26042	0.17392 H	198.91111
%RSD	9.37797	100.84180	19.37900	8.09988	0.59364	0.17528	0.54341	0.77478

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.49814 L	-0.02864	Over-range	0.03847	0.02699	0.06882 L	-0.20775	0.02759
# 2	0.49922 L	-0.02163	Over-range	0.01720	0.06712	0.07248	0.24270	0.14482
# 3	0.50158 L	-0.02332	Over-range	0.01344	0.10917	0.09114	0.25225	0.07459
						0.07748	0.09573	0.08230

# 1	0.49814 L	-0.02864	Over-range	0.03847	0.02699	0.06882 L	-0.20775	0.02759
# 2	0.49922 L	-0.02163	Over-range	0.01720	0.06712	0.07248	0.24270	0.14482
# 3	0.50158 L	-0.02332	Over-range	0.01744	0.10917	0.09114	0.25225	0.07450
Mean	0.49965 L	-0.02453	Over-range	0.02303	0.06776	0.07748	0.09573	0.08230
%RSD	0.35170	14.91438	n/a	58.58863	60.65188	15.44826	274.58914	71.68803

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1 H	28.74740	0.83618 H	71.10221	0.10827 H	5.46699	1119.66631	0.09783 L	-0.03752
# 2 H	28.74975	0.38405 H	71.21224	0.09346 H	5.51976	1113.53164	0.11151	0.04382

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# 3 H	28.92039	0.73815 H	71.59634	0.17611 H	5.54078	1132.61316	0.09549	0.03064
Mean H	28.80584	0.65279 H	71.30360	0.12595 H	5.50918	1121.93704	0.10161	0.01231
%RSD	0.34439	36.43449	0.36383	34.98844	0.69007	0.86826	8.51437	354.50019

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.02824	0.00475 L	-0.02190	0.15238	0.00495
# 2 L	-0.00369	0.00439 L	-0.01495	0.18768	0.00420
# 3 L	-0.00856	0.00414	0.01601	0.20907	0.00203
Mean L	-0.01350	0.00443 L	-0.00695	0.18304	0.00373
%RSD	96.29949	6.93916	290.61666	15.63912	40.64354

EVOLUTION by Micro-Active Australia Pty Ltd 0:48:58 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-4,1:100 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 0:43:46 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00091	0.06914	1.44039	0.00256	0.05210	0.00089 L	-0.00021	2.55569
# 2	0.00002	0.07450	1.43704	0.00446	0.05299	0.00072 L	-0.00015	2.55868
# 3 L	-0.00042	0.05931	1.92051 L	-0.00122	0.04416	0.00064 L	-0.00017	2.54747
Mean	0.00017	0.06765	1.59931	0.00193	0.04975	0.00075 L	-0.00018	2.55395
%RSD	398.66632	11.38758	17.39284	149.55871	9.77357	16.63802	19.22713	0.22740

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00549 L	-0.00664 L	-0.00002 L	-0.00400	0.05167	0.16247	0.01579	2.27472
# 2	0.00746	0.00769	0.00202	0.00001	0.03835	0.15609	0.01465	2.25745
# 3	0.00971	0.00312 L	-0.00169	0.00020	0.03124	0.16355	0.01312	2.28250
Mean	0.00755	0.00139	0.00011 L	-0.00126	0.04042	0.16071	0.01452	2.27156
%RSD	27.96035	525.86882	1768.72161	187.52134	25.66065	2.50835	9.22373	0.56450

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00653 L	-0.01499	47.33064	0.00863 L	-0.08567	0.09793	0.32185	0.02986
# 2	0.00627 L	-0.01788	47.57410 L	-0.01506 L	-0.13295	0.03733	0.39392	0.07396
# 3	0.00670 L	-0.01411	47.17096 L	-0.00258	0.09884	0.07006	0.15269	0.21321
Mean	0.00650 L	-0.01566	47.35857 L	-0.00300 L	-0.03993	0.06844	0.28949	0.10568
%RSD	3.26161	12.58131	0.42867	394.84394	306.76400	44.31794	42.77478	90.55943

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.43710	0.70193	0.95889	0.07438	0.07376	144.44506	0.00236 L	-0.00851
# 2	0.37689	0.88661	1.03132	0.08668	0.07374	143.34550	0.00215 L	-0.00851
# 3	0.34762	0.47355	0.96581	0.10129	0.07350	143.72771	0.00170 L	-0.00896
Mean	0.38720	0.68736	0.98534	0.08745	0.07367	143.83942	0.00207 L	-0.00866
%RSD	11.78243	30.10247	4.05631	15.40487	0.20034	0.38809	16.18250	3.03320

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.01673 L	-0.00044 L	-0.08698	0.16918	0.00287
# 2 L	-0.04684 L	-0.00130 L	-0.01898	0.18818	0.00187
# 3 L	-0.02066 L	-0.00472 L	-0.16929	0.22540	0.00116
Mean L	-0.01692 L	-0.00215 L	-0.09175	0.19425	0.00197
%RSD	188.76318	105.07690	82.03503	14.72230	43.52693

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-5 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 0:48:54 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00572	1.74633	1.04216 L	-0.00721	1.01997	0.03584 L	-0.00053 H	311.76640
# 2	0.00591	1.72035	1.84220	0.01375	1.02472	0.03580 L	-0.00058 H	311.25716
# 3	0.00565	1.72531	1.21976	0.00428	1.03570	0.03649 L	-0.00052 H	312.22908
Mean	0.00576	1.73066	1.36804	0.00361	1.02680	0.03604 L	-0.00055 H	311.75088
%RSD	2.37581	0.79721	30.71018	291.05715	0.78550	1.07476	5.05518	0.15594

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01448 L	-0.00252	0.00587 L	-0.00450	1.70460	7.70921	0.22969 H	302.61892
# 2	0.01258	0.00033	0.00187 L	-0.00608	1.70723	7.69346	0.22846 H	305.60164
# 3	0.01417	0.00601	0.00448 L	-0.00453	1.69634	7.70750	0.22889 H	302.91692
Mean	0.01374	0.00127	0.00407 L	-0.00504	1.70272	7.70339	0.22901 H	303.71249
%RSD	7.42797	340.92042	49.87872	18.03031	0.33376	0.11215	0.27163	0.54091

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.57694 L	-0.04456	Over-range L	-0.00630	0.45740 L	-0.06085	0.27116 L	-0.15464
# 2	0.57916 L	-0.04225	Over-range	0.00562	0.63529	0.01365 L	-0.34598 L	0.00899
# 3	0.58310 L	-0.04388	Over-range L	-0.01268	0.37631 L	-0.04044 L	-0.17929 L	0.16973

# 1	0.57694	L	-0.04456	Over-range	L	-0.00630		0.45740	L	-0.06085		0.27116	L	-0.15464
# 2	0.57916	L	-0.04225	Over-range		0.00562		0.63529		0.01365	L	-0.34598	L	-0.09999
# 3	0.58310	L	-0.04388	Over-range	L	-0.01268		0.37631	L	-0.04044	L	-0.17929	L	-0.16973
Mean	0.57973	L	-0.04357	Over-range	L	-0.00445		0.48967	L	-0.02921	L	-0.08471	L	-0.14145
%RSD	0.53847		2.73224	n/a		208.66432		27.05222		131.79004		376.90180		25.93923

	Sb 252.852		Se 196.091		Si 251.611		Sn 242.949		Sr 407.771	Sr 460.732		Ti 336.121		Tl 351.921
	ppm		ppm		ppm		ppm		ppm	ppm		ppm		ppm
# 1	18.75140		0.18729	H	46.45193		0.29436	H	5.27608	1117.78480		0.10778	L	-0.03018
# 2	18.68956		0.27413	H	46.15424		0.14026	H	5.25846	1129.85796		0.10693	L	-0.04916

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# 3	18.38233		0.23222	H	46.02935		0.19185	H	5.28102	1108.65431		0.11305	L	-0.00840
Mean	18.60776		0.23121	H	46.21184		0.20882	H	5.27185	1118.76569		0.10926	L	-0.02924
%RSD	1.06228		18.78257		0.46979		37.56194		0.22495	0.95067		3.03265		69.73554

	U 367.007		V 292.402		W 239.710	Zn 213.857	Zr 343.822
	ppm		ppm		ppm	ppm	ppm
# 1	0.05771		0.00873	L	-0.06607	0.03678	0.00903
# 2	0.00266		0.00787	L	-0.00958	0.00472	0.00465
# 3	0.03149		0.00802	L	-0.02481	0.00835	0.00382
Mean	0.03062		0.00821	L	-0.03349	0.01662	0.00583
%RSD	89.94048		5.63925		87.27020	105.66090	47.92098

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-5,1:100 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 0:54:06 AM October 8, 1996

	Ag 328.068		Al 308.215		As 193.761		Au 242.795		B 249.773	Ba 455.397		Be 313.042		Ca 317.934
	ppm		ppm		ppm		ppm		ppm	ppm		ppm		ppm
# 1	L -0.00143		0.00737	L	-0.74497	L	-0.00778		0.04174	0.00010	L	-0.00009		3.92217
# 2	L -0.00252		0.01824	L	-1.52675	L	-0.00386		0.04728	0.00028	L	-0.00014		3.92743
# 3	L -0.00142		0.01371	L	-1.75137	L	-0.00739		0.04130	0.00042	L	-0.00008		3.92490
Mean	L -0.00179		0.01311	L	-1.34103	L	-0.00634		0.04344	0.00027	L	-0.00010		3.92484
%RSD	35.25223		41.65629		39.39364		34.03832		7.67346	58.93843		30.69695		0.06701

	Cd 226.500		Co 238.891		Cr 267.716		Cu 324.754		Fe 239.562	K 766.488		Li 670.803		Mg 279.077
	ppm		ppm		ppm		ppm		ppm	ppm		ppm		ppm
# 1	0.00617	L	-0.00969		0.00211	L	-0.00412		0.02220	0.10285		0.01545		3.33765
# 2	0.00516		0.00137		0.00132	L	-0.00492		0.01692	0.11413		0.01361		3.35901
# 3	0.00421	L	-0.01030		0.00155	L	-0.00531		0.01874	0.11327		0.01306		3.34847
Mean	0.00518	L	-0.00621		0.00166	L	-0.00478		0.01929	0.11008		0.01404		3.34838
%RSD	18.88903		105.85366		24.64016		12.63868		13.92384	5.70596		8.89966		0.31891

	Mn 259.371		Mo 281.616		Na 589.595		Ni 231.605		P 213.617	Pb 220.355		Sb 206.834		Sb 217.583
	ppm		ppm		ppm		ppm		ppm	ppm		ppm		ppm
# 1	0.00667	L	-0.02250		33.03330		0.00888		0.10923	0.12318	L	-0.25523	L	-0.06464
# 2	0.00702	L	-0.02458		33.23602	L	-0.00811		0.07907	0.13066	L	-0.03806	L	-0.19091
# 3	0.00741	L	-0.02427		32.94963		0.00078		0.06791	0.10828	L	-0.22923	L	-0.02274
Mean	0.00704	L	-0.02378		33.07298		0.00052		0.08540	0.12071	L	-0.17417	L	-0.09276
%RSD	5.25871		4.71020		0.44527		1633.26539		25.03284	9.44173		68.08995		94.36781

	Sb 252.852		Se 196.091		Si 251.611		Sn 242.949		Sr 407.771	Sr 460.732		Ti 336.121		Tl 351.921
	ppm		ppm		ppm		ppm		ppm	ppm		ppm		ppm
# 1	0.26519		0.24039		0.71786	L	-0.12005		0.06897	142.09193		0.00175	L	-0.06782
# 2	0.20675		0.14325		0.65843	L	-0.11378		0.06908	142.44704		0.00238	L	-0.06006
# 3	0.21844		0.23098		0.59655	L	-0.18707		0.06910	142.22599		0.00253	L	-0.03860
Mean	0.23013		0.20487		0.65761	L	-0.14030		0.06905	142.25499		0.00222	L	-0.05549
%RSD	13.43806		26.14941		9.22377		28.95503		0.10151	0.12606		18.80527		27.27571

	U 367.007		V 292.402		W 239.710	Zn 213.857	Zr 343.822
	ppm		ppm		ppm	ppm	ppm
# 1	L -0.07582	L	-0.00262	L	-0.05878	0.04208	0.00216
# 2	L -0.05653	L	-0.00038	L	-0.01572	0.03444 L	-0.00139
# 3	L -0.04330	L	-0.00162	L	-0.03744 L	-0.00488 L	-0.00120
Mean	L -0.05855	L	-0.00154	L	-0.03731	0.02388 L	-0.00015
%RSD	27.93220		72.83523		57.69706	105.52038	1378.16520

EVOLUTION by Micro-Active Australia Pty Ltd 1:05:02 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-6 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 0:59:14 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00174	1.58638	0.24338 L	-0.00108	0.39804	0.00971 L	-0.00045	88.73871
# 2	0.00059	1.56590	0.12729 L	-0.00321	0.39825	0.00935 L	-0.00045	88.13134
# 3	0.00026	1.58467	0.21819 L	-0.00508	0.39143	0.00955 L	-0.00052	88.18962
Mean	0.00086	1.57898	0.19628 L	-0.00312	0.39591	0.00954 L	-0.00048	88.35322
%RSD	89.58210	0.71992	31.11113	64.09085	0.97940	1.88084	8.27287	0.37929

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00596	0.00380	0.61269	0.01430	4.54100	2.72227	0.04820	25.80058
# 2	0.00434	0.00907	0.61451	0.01238	4.58016	2.71175	0.04765	25.86059
# 3	0.00446	0.02168	0.61564	0.01324	4.56223	2.71643	0.04790	25.90162
Mean	0.00492	0.01152	0.61428	0.01331	4.56113	2.71682	0.04792	25.85426
%RSD	18.32298	79.73507	0.24275	7.25397	0.42986	0.19413	0.56750	0.19655

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.10038 L	-0.00892	Over-range	0.30851 L	-0.03953	0.03348	0.42292	0.13976
# 2	0.10016 L	-0.01164	Over-range	0.28291 L	-0.06417	0.03088	0.16043 L	-0.07631
# 3	0.10048 L	-0.01181	Over-range	0.30380 L	-0.00362	0.00668	0.39424 L	-0.05023
Mean	0.10034 L	-0.01079	Over-range	0.29841 L	-0.03577	0.02368	0.32586	0.00440
%RSD	0.16344	15.02743	n/a	4.56560	85.11252	62.40176	44.18688	2677.70405

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	19.03263 L	-0.30230 H	47.18962 L	-0.00837	0.46782	220.07293	0.03961 L	-0.01078
# 2	19.07020	0.07985 H	46.90813	0.01532	0.46758	220.60347	0.03871	0.01851
# 3	19.30073	0.21926 H	47.30640 L	-0.01487	0.46876	220.32538	0.03860	0.01827
Mean	19.13452 L	-0.00107 H	47.13472 L	-0.00264	0.46805	220.33393	0.03897	0.00867
%RSD	0.75863	25339.89366	0.43436	602.02982	0.13323	0.12044	1.42084	194.28063

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.02799	0.00241	0.02407	0.03880	0.00669
# 2 L	-0.04822	0.00236	0.01314	0.04154	0.00117
# 3 L	-0.02332	0.00125	0.02499	0.04403	0.00252
Mean L	-0.01452	0.00201	0.02073	0.04146	0.00346
%RSD	267.71904	32.60555	31.81234	6.31031	83.10435

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVH Identity 2 : 14712,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:04:22 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00105	49.07589 L	-0.38367	0.00599	0.03925	0.00396 L	-0.00014	50.36984
# 2	0.00243	49.17683 L	-0.11934	0.01008	0.03528	0.00403 L	-0.00016	50.29417
# 3 L	-0.00215	49.10313	0.00668	0.01057	0.05105	0.00385 L	-0.00013	50.24134
Mean	0.00044	49.11862 L	-0.16545	0.00888	0.04186	0.00395 L	-0.00014	50.30178
%RSD	533.27204	0.10632	120.41015	28.30090	19.60150	2.28062	8.90727	0.12841

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00944	0.00739	0.00397 L	-0.00370	48.92606	52.47329	0.00968	48.66117
# 2	0.00973	0.01812	0.00562 L	-0.00262	48.63972	52.19419	0.00895	48.80294
# 3	0.01000	0.02123	0.00436 L	-0.00428	48.65834	52.39687	0.00682	48.96933
Mean	0.00972	0.01558	0.00465 L	-0.00353	48.74137	52.35478	0.00848	48.81115
%RSD	2.88372	46.59799	18.51513	23.73210	0.32871	0.27549	17.51843	0.31600

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00097 L	-0.04006	49.39093	0.01374 L	-0.23952	0.03132 L	-0.10056	0.15657
# 2	0.00191 L	-0.03314	49.82846	0.00793 L	-0.14162	0.07104	0.14825	0.20101
# 3	0.00141 L	-0.03771	49.55242	0.00861 L	-0.06335	0.00220	0.21910	0.13626

# 1	0.00097 L	-0.04006	49.39093	0.01374 L	-0.23952	0.03132 L	-0.10056	0.15657
# 2	0.00191 L	-0.03314	49.82846	0.00793 L	-0.14162	0.07104	0.14825	0.20101
# 3	0.00141 L	-0.03771	49.55242	0.00861 L	-0.06335	0.00220	0.21910	0.14626
Mean	0.00143 L	-0.03697	49.59060	0.01009 L	-0.14816	0.03485	0.08893	0.16795
%RSD	32.82590	9.51942	0.44615	31.48723	59.57257	99.15821	188.78415	17.32344

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.23687	0.03511	0.42674	0.18004	0.00277	114.60087	0.00063	0.00351
# 2	0.12933	0.38816	0.49605	0.16402	0.00285	115.17973	0.00201 L	-0.00866

EVOLUTION by Micro-Active Australia Pty Ltd 1:15:04 AM October 8, 1996

# 3	0.16228	0.13292	0.52029	0.20104	0.00288	115.21567	0.00171 L	-0.01882
Mean	0.17616	0.18540	0.48103	0.18170	0.00283	114.99876	0.00145 L	-0.00799
%RSD	31.27589	98.32020	10.09299	10.21679	1.93857	0.30005	49.83227	139.95017

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.26807	0.00329 L	-0.02344	0.03471	0.00439
# 2	0.30133	0.00339 L	-0.01784	0.05085	0.00235
# 3	0.26431	0.00239 L	-0.05304	0.06597	0.00187
Mean	0.27790	0.00302 L	-0.03144	0.05051	0.00287
%RSD	7.33108	18.28155	60.15142	30.94539	46.48597

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14712,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:09:32 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00313 L	-0.06510	14.28902	0.17807	10.28659 H	9.40452 H	9.53925	0.08108
# 2	0.00470 L	-0.07209	14.83319	0.18106	10.28756 H	9.45919 H	9.60064	0.07769
# 3	0.00109 L	-0.06498	15.70175	0.17711	10.27806 H	9.54443 H	9.55971	0.07856
Mean	0.00297 L	-0.06739	14.94132	0.17875	10.28407 H	9.46938 H	9.56653	0.07911
%RSD	60.85561	6.03910	4.76896	1.15316	0.05086	0.74460	0.32675	2.22890

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1 H	9.77124 H	9.86715 H	9.82379 H	9.61941	0.04837	0.06195	0.00995	0.04680
# 2 H	9.79883 H	9.84663 H	9.86438 H	9.67685	0.02492	0.05406	0.00793	0.04398
# 3 H	9.77324 H	9.80610 H	9.79822 H	9.64756	0.02051	0.04445	0.00695	0.03759
Mean H	9.78110 H	9.83996 H	9.82880 H	9.64794	0.03127	0.05349	0.00828	0.04279
%RSD	0.15726	0.31571	0.33943	0.29768	47.89776	16.39004	18.49666	11.02050

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	9.66414 H	9.94833	0.08715 H	9.89046	2.10530	10.13807	11.06489	10.33690
# 2 H	9.65910 H	9.99485	0.08868 H	9.81564	2.00490	10.33767	11.28141	10.47782
# 3 H	9.67105 H	10.03323	0.08583 H	9.78047	1.97326	10.13513	10.96755	10.69236
Mean H	9.66476 H	9.99214	0.08722 H	9.82886	2.02782	10.20362	11.10462	10.50236
%RSD	0.06206	0.42550	1.63855	0.57148	3.39959	1.13783	1.44679	1.70433

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	10.23772	10.11683	1.55990 L	-0.27599	0.00049	116.88297	0.00385	9.66604
# 2	10.33023	10.05626	1.47458 L	-0.33096	0.00046	116.64038	0.00231	10.15390
# 3	10.21394	10.31390	1.55329 L	-0.22428	0.00046	116.49021	0.00269	10.12912
Mean	10.26063	10.16233	1.52926 L	-0.27708	0.00047	116.67119	0.00295	9.98302
%RSD	0.59876	1.32558	3.10386	19.25241	3.92968	0.16987	27.09747	2.75262

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.01129 H	9.73356	0.07727 H	9.94517	0.00403
# 2	0.01182 H	9.90218	0.03102 H	10.10310	0.00487
# 3	0.02922 H	9.93337	0.01676 H	10.10233	0.00457
Mean	0.01745 H	9.85637	0.04168 H	10.05020	0.00449
%RSD	58.48784	1.09059	75.88060	0.90504	9.39977

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14712,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:14:38 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.07570 L	-0.03802	1.57375	0.02358	1.13939	1.03664	1.06002	0.11678
# 2	0.07485 L	-0.02644	1.61596	0.02539	1.11654	1.03609	1.06130	0.11610
# 3	0.07503 L	-0.02193	1.19397	0.01926	1.11569	1.03997	1.06761	0.11521
Mean	0.07520 L	-0.02880	1.46123	0.02275	1.12388	1.03757	1.06298	0.11603
%RSD	0.59692	28.82876	15.90503	13.84496	1.19599	0.20239	0.38214	0.68012

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077

Mean	0.07520 L	-0.02880	1.48123	0.02275	1.12388	1.03757	1.06298	0.11603
%RSD	0.59692	28.82876	15.90503	13.84496	1.19599	0.20239	0.38214	0.68012

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	1.05350	0.98729	1.06021	0.99633	0.01529	0.03959	0.01092 L	-0.00675
# 2	1.03480	0.98776	1.05230	0.99709	0.00265	0.03307	0.00988 L	-0.00724
# 3	1.04791	1.02015	1.06275	1.00629	0.00004	0.03470	0.00933 L	-0.00675
Mean	1.04554	0.99840	1.05842	0.99990	0.00599	0.03579	0.01004 L	-0.00691
%RSD	0.93437	1.88641	0.51485	0.55431	136.07032	9.48990	8.05073	4.09843

EVOLUTION by Micro-Active Australia Pty Ltd 1:15:06 AM October 8, 1996

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.00655	1.07778	0.06035	1.04213	0.23622	0.95238	1.12861	1.36805
# 2	1.00192	1.06902	0.06227	0.97673	0.25138	1.10352	1.07998	1.56540
# 3	1.01076	1.07858	0.06140	1.02224	0.24051	1.13161	1.33044	1.84059
Mean	1.00641	1.07513	0.06134	1.01370	0.24271	1.06250	1.17968	1.59135
%RSD	0.43932	0.49367	1.56848	3.30720	3.22004	9.07285	11.25799	14.91408

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	1.19769	0.81170	0.36481	0.01923	0.25068	163.86367	0.00039	0.97302
# 2	1.17491	0.85101	0.37887	0.04664	0.25162	163.78923	0.00088	0.98859
# 3	1.24033	0.79779	0.32538 L	-0.03960	0.25157	163.63264	0.00068	0.98161
Mean	1.20431	0.82017	0.35636	0.00876	0.25129	163.76185	0.00065	0.98107
%RSD	2.75753	3.36559	7.78099	502.99679	0.20966	0.07201	37.50685	0.79503

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.04924	1.01709 L	-0.07517	1.06463	0.00017
# 2 L	-0.00567	1.01141 L	-0.08647	1.04810	0.00070
# 3	0.01616	1.01393 L	-0.06533	1.05706	0.00021
Mean L	-0.01292	1.01414 L	-0.07566	1.05660	0.00036
%RSD	257.79439	0.28017	13.97932	0.78323	83.51937

EVOLUTION by Micro-Active Australia Pty Ltd 1:21:12 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14712,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:19:48 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00710 L	-0.02931 L	-2.08296 L	-0.01111	0.04652	0.00445	0.00050	0.11785
# 2 L	-0.00095 L	-0.01669 L	-3.17747 L	-0.00292	0.06452	0.00432	0.00055	0.11956
# 3 L	-0.00611 L	-0.02017 L	-3.53248 L	-0.00889	0.06068	0.00487	0.00064	0.11911
Mean	0.00001 L	-0.02206 L	-2.93097 L	-0.00764	0.05724	0.00455	0.00056	0.11884
%RSD	55257.45824	29.56428	25.77798	55.44855	16.56087	6.37438	12.99777	0.74520

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00787 L	-0.01249	0.00151 L	-0.00156	0.04405	0.17441	0.01246	0.07378
# 2	0.00540	0.00109	0.00121 L	-0.00135	0.03545	0.14710	0.01151	0.04343
# 3	0.00462	0.00677	0.00381	0.00265	0.03838	0.14440	0.01089	0.02153
Mean	0.00596 L	-0.00154	0.00218 L	-0.00009	0.03929	0.15530	0.01162	0.04625
%RSD	28.50434	640.50838	65.27848	2738.92460	11.12849	10.69131	6.77473	56.73134

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00126 L	-0.01591	0.76729 L	-0.00899	0.24907	0.05599 L	-0.04537	0.04127
# 2	0.00128 L	-0.01660	0.77583 L	-0.01563	0.19943	0.04829 L	-0.37219 L	-0.12982
# 3	0.00157 L	-0.01697	0.76881 L	-0.00348	0.13023	0.02347 L	-0.19307 L	-0.39560
Mean	0.00137 L	-0.01650	0.77065 L	-0.00937	0.19291	0.04258 L	-0.20354 L	-0.16138
%RSD	12.55952	8.26576	0.59086	64.93041	30.93913	39.91485	80.40667	136.40755

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	5.32580 L	-0.10666	12.93117 L	-0.07315	0.00448	118.14723	0.00405 L	-0.03845
# 2	2.67756	0.17448	6.42079 L	-0.07867	0.00448	118.22810	0.00212	0.00361
# 3	0.18413 L	-0.14134	0.39587 L	-0.10127	0.00457	118.25633	0.00053	0.04048
Mean	2.72916 L	-0.02451	6.58261 L	-0.08436	0.00451	118.21055	0.00224	0.00188
%RSD	94.21278	706.72763	95.23906	17.66141	1.18288	0.04790	78.85539	2104.23482

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.07510	0.00415 L	-0.26136 L	-0.16894	0.00195
# 2 L	-0.05916	0.00075 L	-0.23293 L	-0.21821	0.00105
# 3 L	-0.09060	0.00034 L	-0.20890 L	-0.25755	0.00386
Mean L	-0.07495	0.00175 L	-0.23440 L	-0.21490	0.00229
%RSD	20.97305	119.66501	11.20354	20.65893	62.82390

EVOLUTION by Micro-Active Australia Pty Ltd 1:44:36 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-6,1:100 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 1:38:44 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm
# 1 L	-0.01723 L	-0.13715 L	-3.91943	0.01460 L	-0.07033 L	-0.00058 L	-0.00074
# 2 L	-0.01747 L	-0.14455 L	-3.71751	0.01638 L	-0.08782 L	-0.00052 L	-0.00082
# 3 L	-0.01606 L	-0.13744 L	-2.87748	0.00932 L	-0.09839 L	-0.00066 L	-0.00082
Mean L	-0.01692 L	-0.13971 L	-3.50481	0.01343 L	-0.08551 L	-0.00059 L	-0.00079
%RSD	4.46857	2.99897	15.76638	27.34278	16.57062	11.66950	6.19391

	Ca 317.934 ppm	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm
# 1	0.98634	0.00864 L	-0.11202 L	-0.01737 L	-0.01499	0.05403 L	-0.03480
# 2	0.97997	0.00983 L	-0.10303 L	-0.01884 L	-0.01476	0.06063 L	-0.03756
# 3	0.97671	0.01050 L	-0.10980 L	-0.01906 L	-0.01699	0.04932 L	-0.03326
Mean	0.98101	0.00966 L	-0.10829 L	-0.01842 L	-0.01558	0.05466 L	-0.03521
%RSD	0.49941	9.79754	4.32453	4.98271	7.86942	10.38737	6.17615

	Li 670.803 ppm	Mg 279.077 ppm	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm
# 1	0.00550	0.25002 L	-0.00594 L	-0.02941	3.82703	0.01251 L	-0.13622
# 2	0.00475	0.25362 L	-0.00557 L	-0.02669	3.82169 L	-0.01142 L	-0.13510
# 3	0.00403	0.24975 L	-0.00584 L	-0.02903	3.81459 L	-0.00797 L	-0.15022
Mean	0.00476	0.25113 L	-0.00579 L	-0.02838	3.82111 L	-0.00229 L	-0.14051
%RSD	15.48024	0.85975	3.29859	5.18286	0.16334	564.07038	5.99518

	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm
# 1 L	-0.51312 L	-6.00128	0.25134	0.21898 L	-5.91379	0.61105 L	-0.95912
# 2 L	-0.50985 L	-5.97389	0.39764	0.26015 L	-5.82199	0.57019 L	-1.09406
# 3 L	-0.46161 L	-6.48184	0.45306	0.22363 L	-6.15509	0.69799 L	-1.12892
Mean L	-0.49486 L	-6.15234	0.36735	0.23425 L	-5.96362	0.62641 L	-1.06070
%RSD	5.82858	4.64356	28.36937	9.62420	2.88500	10.41960	8.45471

	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm
# 1	0.00590	130.20151 L	-0.00180 L	-0.02329 L	-0.07011 L	-0.00560 L	-1.28104
# 2	0.00587	131.95281 L	-0.00273	0.00841 L	-0.05624 L	-0.00497 L	-1.26305
# 3	0.00590	131.26399 L	-0.00285	0.00820 L	-0.03400 L	-0.00479 L	-1.26615
Mean	0.00589	131.13944 L	-0.00246 L	-0.00223 L	-0.05345 L	-0.00512 L	-1.27008
%RSD	0.32680	0.67277	23.36155	819.80184	34.08328	8.32434	0.75745

	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.83308 L	-0.01604
# 2 L	-0.81736 L	-0.01753
# 3 L	-0.79706 L	-0.01679
Mean L	-0.81583 L	-0.01679
%RSD	2.21359	4.43008

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-7 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 1:43:50 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm
# 1 L	-0.00127	2.51973	1.58863 L	-0.00538	0.34269	0.05776 L	-0.00047
# 2 L	-0.00049	2.56132	2.50416	0.00384	0.33427	0.05817 L	-0.00047
# 3 L	-0.00206	2.58629	3.31900 L	-0.00506	0.34675	0.05807 L	-0.00040
Mean L	-0.00127	2.55578	2.47060 L	-0.00220	0.34124	0.05800 L	-0.00045
%RSD	61.47608	1.31566	35.03896	237.55870	1.86607	0.37049	9.36107

	Ca 317.934 ppm	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm
# 1	58.07450	0.01234	0.01849	1.35977	0.03074	8.43637	2.27318
# 2	58.41128	0.01278	0.01976	1.36584	0.02944	8.46912	2.26023
# 3	58.44792	0.01176	0.02775	1.37290	0.02809	8.44048	2.26418
	58.31124	0.01229	0.02200	1.36617	0.02942	8.44866	2.26586

# 1	58.30745	0.01234	0.01849	1.35911	0.02814	8.45014	2.26414
# 2	58.41128	0.01278	0.01976	1.36584	0.02944	8.46912	2.26023
# 3	58.44792	0.01176	0.02775	1.37290	0.02809	8.44048	2.26418
Mean	58.31124	0.01230	0.02200	1.36617	0.02942	8.44866	2.26586
%RSD	0.35299	4.16045	22.81085	0.48072	4.50818	0.21114	0.29303

	Li 670.803 ppm	Mg 279.077 ppm	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm
# 1	0.02866	20.13160	0.10437 L	-0.00329	Over-range	0.58681	0.00914
# 2	0.02748	20.00130	0.10450 L	-0.00600	Over-range	0.60187 L	-0.04183

EVOLUTION by Micro-Active Australia Pty Ltd 1:54:38 AM October 8, 1996

# 3	0.02748	20.08834	0.10598 L	-0.00216	Over-range	0.56150	0.10350
Mean	0.02787	20.07375	0.10495 L	-0.00382	Over-range	0.58339	0.02360
%RSD	2.44956	0.33060	0.84988	51.68186	n/a	3.49634	312.39335

	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm
# 1	0.01179	0.13234	0.22157 H	23.06398 L	-0.39616 H	57.15077	0.13835
# 2	0.03627	0.44720	0.46698 H	23.09372 L	-0.61207 H	57.09542	0.06113
# 3 L	-0.04772	0.59658	0.53838 H	23.12816 L	-0.21274 H	57.08597	0.04721
Mean	0.00011	0.39204	0.40898 H	23.09529 L	-0.40699 H	57.11072	0.08223
%RSD	37665.83304	60.44935	40.63367	0.13908	49.11298	0.06130	59.70732

	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm
# 1	0.25606	183.40939	0.05323 L	-0.05793	0.14017	0.02734 L	-0.08795
# 2	0.25809	182.69347	0.05296 L	-0.08177	0.01766	0.02456 L	-0.08795
# 3	0.25982	182.80328	0.05268 L	-0.06296	0.10366	0.02479 L	-0.09889
Mean	0.25799	182.96871	0.05295 L	-0.06755	0.08717	0.02557 L	-0.09160
%RSD	0.73011	0.21073	0.52263	18.59932	72.15993	6.03073	6.89353

	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.17291	0.00158
# 2	0.19211 L	-0.00209
# 3	0.20915 L	-0.00216
Mean	0.19139 L	-0.00089
%RSD	9.47352	249.08474

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-7,1:100 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 1:48:58 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00111	0.01701	0.19129	0.00203	0.04781	0.00031 L	-0.00021	0.68653
# 2 L	-0.00047	0.01363 L	-1.20518 L	-0.00249	0.04565	0.00042 L	-0.00009	0.68737
# 3 L	-0.00079	0.00238 L	-0.64257 L	-0.00312	0.04657	0.00039 L	-0.00014	0.68424
Mean L	-0.00079	0.01100 L	-0.55215 L	-0.00119	0.04668	0.00037 L	-0.00015	0.68605
%RSD	40.66807	69.61624	127.24990	235.01862	2.32404	15.65071	39.44604	0.23567

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00996	0.00082	0.01725 L	-0.00403	0.08510	0.06631	0.01533	0.20100
# 2	0.00601	0.01123	0.01581 L	-0.00243	0.08043	0.05871	0.01415	0.19899
# 3	0.00805	0.00416	0.01768 L	-0.00267	0.08486	0.05630	0.01222	0.19289
Mean	0.00801	0.00540	0.01691 L	-0.00304	0.08346	0.06044	0.01390	0.19763
%RSD	24.65709	98.40595	5.77987	28.33268	3.14860	8.65045	11.29197	2.13553

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00150 L	-0.01547	3.01966 L	-0.01329	0.13584	0.02805	0.02431	0.11160
# 2	0.00202 L	-0.01544	3.02668 L	-0.01305 L	-0.00103 L	-0.01650 L	-0.19713	0.24034
# 3	0.00154 L	-0.01428	3.02656 L	-0.02416	0.10300 L	-0.00790	0.22781	0.05025
Mean	0.00169 L	-0.01506	3.02430 L	-0.01683	0.07927	0.00122	0.01833	0.13407
%RSD	17.26950	4.48066	0.13281	37.71211	90.13847	1942.86108	1159.58828	72.36412

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.24042	0.48560	0.75197 L	-0.09738	0.00359	133.93230	0.00056 L	-0.02504
# 2	0.28898	0.27111	0.76134 L	-0.01884	0.00362	133.25203	0.00191 L	-0.02686
# 3	0.29343	0.15072	0.76362 L	-0.05744	0.00359	133.93800	0.00166 L	-0.08138
Mean	0.27428	0.30248	0.75897 L	-0.05789	0.00360	133.70744	0.00138 L	-0.04443
%RSD	10.72088	56.07970	0.81341	67.83732	0.54970	0.29498	52.27219	72.07272

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.07331 L	-0.00215 L	-0.11662 L	-0.06057	0.00176
# 2 L	-0.09929	0.00119 L	-0.08070 L	-0.07574	0.00284
# 3 L	-0.10672 L	-0.00047 L	-0.09494 L	-0.06920	0.00165
[illegible]	-0.09319 L	-0.00047 L	-0.09742 L	-0.06850	0.00209

# 1	L	-0.07331	L	-0.00215	L	-0.11882	L	-0.00178	
# 2	L	-0.09929		0.00119	L	-0.08070	L	-0.07574	0.00284
# 3	L	-0.10672	L	-0.00047	L	-0.09494	L	-0.06920	0.00165
Mean	L	-0.09310	L	-0.00047	L	-0.09742	L	-0.06850	0.00209
%RSD		18.84003		352.55510		18.56678		11.10370	31.49115

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-8 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 1:54:06 AM October 8, 1996
EVOLUTION by Micro-Active Australia Pty Ltd 1:59:42 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00351	35.63818 L	-1.22787	0.07388	0.36634	0.21507	0.00156 H	399.83600
# 2	0.00262	35.63381 L	-1.67853	0.04749	0.37366	0.21623	0.00165 H	398.30152
# 3	0.00077	35.92234 L	-2.55759	0.06642	0.38832	0.21622	0.00158 H	400.15221
Mean	0.00230	35.73145 L	-1.82133	0.06260	0.37611	0.21584	0.00160 H	399.42991
%RSD	60.76485	0.46271	37.13031	21.73674	2.97594	0.30840	2.86256	0.24783

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01960	0.04816	0.07121	0.04880	55.68251	15.58295	0.21740 H	227.19141
# 2	0.01685	0.04824	0.07086	0.04945	55.92220	15.60131	0.21731 H	226.10702
# 3	0.01631	0.05837	0.07096	0.04926	55.75028	15.63577	0.21795 H	227.71839
Mean	0.01759	0.05159	0.07101	0.04917	55.78500	15.60668	0.21757 H	227.00561
%RSD	10.05409	11.37912	0.25042	0.67994	0.22149	0.17182	0.17093	0.36193

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	3.32758 L	-0.05265	Over-range	0.11434	0.69773 L	-0.09449 L	-0.12840 L	-0.02686
# 2 H	3.35306 L	-0.04810	Over-range	0.07924	0.51968	0.05997	0.03311 L	-0.10531
# 3 H	3.34645 L	-0.05167	Over-range	0.07990	0.68510	0.05077 L	-0.17544	0.00097
Mean H	3.34236 L	-0.05081	Over-range	0.09116	0.63417	0.00542 L	-0.09024 L	-0.04373
%RSD	0.39554	4.71378	n/a	22.02420	15.66624	1599.09198	121.21428	126.01499

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	112.92576	0.04685 H	279.42433	0.31153 H	3.84455	878.28160	0.60323 L	-0.06062
# 2 H	113.32145	1.09906 H	278.77858	0.30414 H	3.85996	873.55547	0.59899 L	-0.01406
# 3 H	113.06040	0.39548 H	276.15340	0.30343 H	3.89955	868.04471	0.60872 L	-0.04038
Mean H	113.10254	0.51513 H	278.11877	0.30637 H	3.86802	873.29393	0.60365 L	-0.03836
%RSD	0.17788	103.96469	0.62290	1.46438	0.73348	0.58668	0.80795	60.86619

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.32679	0.07954 L	-0.05315	0.12556	0.01302
# 2	0.32989	0.07744	0.02706	0.09034	0.01037
# 3	0.30794	0.08052 L	-0.04758	0.05142	0.01049
Mean	0.32154	0.07917 L	-0.02456	0.08911	0.01130
%RSD	3.69356	1.98796	182.36850	41.61587	13.26799

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-8,1:100 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 1:59:18 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00075	0.48527 L	-0.62840	0.00739	0.03953	0.00310 L	-0.00018	5.39517
# 2 L	-0.00096	0.46425 L	-0.38554	0.01548	0.04418	0.00282 L	-0.00012	5.37274
# 3 L	-0.00174	0.47170 L	-1.04316	0.01249	0.04510	0.00307 L	-0.00011	5.42280
Mean L	-0.00115	0.47374 L	-0.68570	0.01179	0.04293	0.00300 L	-0.00014	5.39690
%RSD	45.31329	2.24982	48.49553	34.70865	6.94885	5.08531	28.37330	0.46463

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00631 L	-0.00491	0.00127 L	-0.00294	0.63267	0.19053	0.01678	2.57560
# 2	0.00381	0.00663	0.00069 L	-0.00541	0.63532	0.20061	0.01546	2.56351
# 3	0.00188	0.00458 L	-0.00199 L	-0.00439	0.63774	0.20250	0.01423	2.56887
Mean	0.00400	0.00210 L	-0.00001 L	-0.00425	0.63524	0.19788	0.01549	2.56933
%RSD	55.45154	293.31679	13733.41638	29.16478	0.39904	3.25249	8.20582	0.23570

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.03909 L	-0.01747	22.00132	0.00104	0.10103	0.03760 L	-0.14182	0.06501
# 2	0.03918 L	-0.01675	21.58832	0.00002 L	-0.04819	0.03769	0.11881 L	-0.01314
# 3	0.03943 L	-0.02076	21.22732 L	-0.00414	0.00290	0.01036 L	-0.26221	0.11378
Mean	0.03923 L	-0.01833	21.60565 L	-0.00103	0.01858	0.02855 L	-0.09507	0.05522
%RSD	0.44797	11.64086	1.79254	267.27255	408.11929	55.16666	204.85319	115.95733

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm

%RSD	0.44797	11.64086	1.79254	267.27255	408.11929	55.16666	204.85319	115.95733

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	1.33826	0.33201	3.51222 L	-0.02206	0.04996	141.04731	0.00888 L	-0.01882
# 2	1.37257	0.38492	3.53543 L	-0.00743	0.04988	141.34252	0.00748 L	-0.05887
# 3	1.39846	0.42185	3.55172	0.03851	0.05020	141.06300	0.00799 L	-0.01008
Mean	1.36976	0.37959	3.53312	0.00301	0.05001	141.15094	0.00812 L	-0.02926
%RSD	2.20489	11.89652	0.56191	1051.25660	0.33438	0.11767	8.74728	88.93268

EVOLUTION by Micro-Active Australia Pty Ltd 2:09:50 AM October 8, 1996

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.07843 L	-0.00078	0.01739	0.11181	0.00312
# 2 L	-0.04404 L	-0.00174 L	-0.00852	0.14587	0.00059
# 3 L	-0.06682 L	-0.00000 L	-0.03308	0.11816	0.00305
Mean L	-0.06309 L	-0.00084 L	-0.00807	0.12528	0.00225
%RSD	27.72951	103.61236	312.71643	14.45776	63.87853

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-9 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 2:04:30 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00631	1.54633	0.23346	0.00522	0.96785	0.03435 L	-0.00042 H	237.41834
# 2	0.00596	1.53868	0.19085	0.01774	0.96029	0.03435 L	-0.00051 H	237.85772
# 3	0.00433	1.54985 L	-0.01108	0.01236	0.95049	0.03425 L	-0.00046 H	237.19200
Mean	0.00553	1.54495	0.13774	0.01177	0.95954	0.03432 L	-0.00046 H	237.48935
%RSD	19.08733	0.36974	94.83685	53.33317	0.90710	0.17784	9.61749	0.14253

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00735 L	-0.00958	0.00376	0.00510	1.39302	3.11419	0.12402 H	171.19306
# 2	0.00733	0.00236	0.00720	0.00504	1.39204	3.13380	0.12441 H	174.41030
# 3	0.00743 L	-0.00079	0.00384	0.00702	1.39928	3.10132	0.12395 H	172.92585
Mean	0.00737 L	-0.00267	0.00493	0.00572	1.39478	3.11644	0.12413 H	172.84307
%RSD	0.73579	231.69823	39.82561	19.71600	0.28159	0.52487	0.20004	0.93160

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.04353 L	-0.02631	Over-range	0.01828	0.17053	0.09263 L	-0.32460 L	-0.21295
# 2	0.04404 L	-0.02048	Over-range	0.01808	0.06567	0.08230 L	-0.24481 L	-0.09113
# 3	0.04374 L	-0.02450	Over-range L	-0.00001	0.05772	0.09203 L	-0.23794 L	-0.23637
Mean	0.04377 L	-0.02376	Over-range	0.01212	0.09797	0.08899 L	-0.26912 L	-0.18015
%RSD	0.59592	12.54713	n/a	86.66267	64.26483	6.51300	17.90066	43.28321

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	20.12248	0.17292 H	50.30881	0.13296 H	2.85380	664.73467	0.04734	0.00317
# 2	20.27160	0.55786 H	50.39251	0.14702 H	2.86658	667.41867	0.04617 L	-0.00358
# 3	20.36123	0.07810 H	50.25413	0.15663 H	2.86346	666.07222	0.04652 L	-0.02654
Mean	20.25177	0.26963 H	50.31848	0.14554 H	2.86128	666.07519	0.04668 L	-0.00898
%RSD	0.59550	94.23485	0.13851	8.17786	0.23282	0.20148	1.29050	173.36936

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.03508	0.00506 L	-0.01707	0.05809	0.00492
# 2	0.05550	0.00532	0.00729	0.05666	0.00050
# 3 L	-0.01737	0.00619 L	-0.01592	0.05826	0.00077
Mean	0.00102	0.00552 L	-0.00857	0.05767	0.00206
%RSD	4729.45854	10.66790	160.45923	1.52023	119.89690

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-9,1:100 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 2:09:38 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00196	0.00853	1.77413 L	-0.00418	0.05738	0.00040 L	-0.00023	2.83047
# 2 L	-0.00067	0.00636	2.39103 L	-0.01369	0.04421	0.00045 L	-0.00015	2.83947
# 3 L	-0.00081	0.01259	3.13743 L	-0.01321	0.04918	0.00042 L	-0.00017	2.83485
Mean L	-0.00115	0.00916	2.43420 L	-0.01036	0.05026	0.00043 L	-0.00018	2.83493
%RSD	62.03847	34.53980	28.04525	51.70558	13.23621	5.56471	21.00091	0.15861

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00966 L	-0.00851 L	-0.00165	0.00105	0.01698	0.08613	0.01442	1.90982
# 2	0.01198	0.00399 L	-0.00070	0.00179	0.01675	0.07411	0.01267	1.89784
# 3	0.01386	0.00391 L	-0.00114	0.00169	0.00929	0.07705	0.01160	1.89400

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
# 1	0.00966 L	-0.00851 L	-0.00165	0.00105	0.01698	0.08613	0.01442	1.90982
# 2	0.01198	0.00399 L	-0.00070	0.00179	0.01675	0.07411	0.01267	1.89784
# 3	0.01386	0.00391 L	-0.00114	0.00169	0.00929	0.07705	0.01160	1.89470
Mean	0.01183 L	-0.00021 L	-0.00116	0.00151	0.01434	0.07910	0.01290	1.90079
%RSD	17.77717	3471.04902	40.94090	26.59532	30.51697	7.92362	11.00649	0.41974

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00099 L	-0.01290	24.96257	0.00807 L	-0.15204 L	-0.03209	0.41316	0.23297

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# 2	0.00140 L	-0.00864	24.78326 L	-0.01778 L	-0.22247	0.04874	0.39877	0.36152
# 3	0.00149 L	-0.00711	24.66968	0.00078 L	-0.11863	0.08121	0.33573	0.60753
Mean	0.00129 L	-0.00955	24.80517 L	-0.00298 L	-0.16438	0.03262	0.38256	0.40067
%RSD	20.48274	31.43963	0.59532	447.83611	32.24751	178.84510	10.76502	47.50104

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.34366	0.06851	0.82281	0.02751	0.03581	137.50478	0.00080	0.01953
# 2	0.25589	0.33023	0.71493	0.03798	0.03576	137.17819 L	-0.00006 L	-0.00588
# 3	0.26039	0.22974	0.66361	0.04057	0.03585	137.24664	0.00061	0.05742
Mean	0.28665	0.20949	0.73378	0.03536	0.03581	137.30987	0.00045	0.02369
%RSD	17.24180	63.02317	11.07364	19.55476	0.11560	0.12543	101.25047	134.48630

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.03887 L	-0.00441 L	-0.01400	0.14679	0.00047
# 2 L	-0.03862 L	-0.00198 L	-0.01239	0.16536	0.00285
# 3 L	-0.02145 L	-0.00099	0.01823	0.17807	0.00261
Mean L	-0.03298 L	-0.00246 L	-0.00272	0.16341	0.00198
%RSD	30.27670	71.56930	667.15084	9.62471	66.11422

EVOLUTION by Micro-Active Australia Pty Ltd 2:20:46 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-10 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 2:14:48 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00766	3.08469	1.55428 L	-0.01198	1.03314	0.03932 L	-0.00049 H	249.17154
# 2	0.00407	3.10481	2.06665 L	-0.01622	1.03121	0.03955 L	-0.00045 H	248.14634
# 3	0.00504	3.08419	1.92600 L	-0.02323	1.03352	0.03925 L	-0.00048 H	248.18627
Mean	0.00559	3.09123	1.84898 L	-0.01714	1.03262	0.03937 L	-0.00047 H	248.50138
%RSD	33.29696	0.38049	14.31759	33.16736	0.11985	0.39949	5.04387	0.23369

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01503 L	-0.00005	0.00637	0.00186	2.34193	3.62180	0.12999 H	181.54705
# 2	0.01903	0.01377	0.00508	0.00173	2.34006	3.58482	0.13044 H	181.49462
# 3	0.01847	0.01415	0.01024	0.00267	2.35594	3.63943	0.13079 H	181.86161
Mean	0.01751	0.00929	0.00723	0.00209	2.34598	3.61535	0.13041 H	181.63443
%RSD	12.38496	87.05361	37.09955	24.30780	0.36994	0.77097	0.30715	0.10928

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.04685 L	-0.03617	Over-range	0.00579	0.10862	0.00897	0.12396	0.29566
# 2	0.04708 L	-0.03394	Over-range L	-0.01674	0.05435	0.04254 L	-0.00447	0.45323
# 3	0.04721 L	-0.03403	Over-range	0.00475 L	-0.04752	0.03133	0.10399	0.58867
Mean	0.04704 L	-0.03471	Over-range L	-0.00207	0.03848	0.02761	0.07449	0.44585
%RSD	0.39019	2.64189	n/a	614.83317	205.98187	61.90217	92.77693	32.89111

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	26.49546	0.38031 H	66.01994	0.24195 H	2.98496	685.66311	0.07526 L	-0.04992
# 2 H	26.51777	0.06034 H	65.67769	0.25849 H	3.00678	697.59418	0.07662 L	-0.00511
# 3 H	26.92402	0.56674 H	66.37096	0.22671 H	3.01610	691.04013	0.07724 L	-0.03860
Mean H	26.64575	0.33580 H	66.02286	0.24238 H	3.00262	691.43247	0.07637 L	-0.03121
%RSD	0.90540	76.27092	0.52504	6.55747	0.53228	0.86418	1.32169	74.64973

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.04753	0.00534	0.01739	0.12078	0.00593
# 2	0.04536	0.00412 L	-0.04240	0.19275	0.00102
# 3	0.04762	0.00646 L	-0.00460	0.19324	0.00214
Mean	0.04684	0.00530 L	-0.00987	0.16892	0.00303
%RSD	2.73126	22.05851	306.29250	24.68096	84.94809

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10276-10,1:100 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 2:19:56 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00252	0.00042	1.54423 L	-0.00113	0.04475	0.00035 L	-0.00020	3.10172
# 2	0.00076	0.00658	1.00506 L	-0.01047	0.05896	0.00050 L	-0.00022	3.10991
# 3	0.00141	0.00692	0.51948 L	-0.00351	0.05475	0.00054 L	-0.00022	3.11450
Mean	0.00156	0.00464	1.02293 L	-0.00504	0.05282	0.00046 L	-0.00022	3.10871
%RSD	57.22066	78.82403	50.11200	96.37374	13.82135	22.44938	4.76091	0.20827

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01274 L	-0.00322	0.00031 L	-0.00620	0.03263	0.06664	0.01573	2.05729
# 2	0.00997	0.00692	0.00048 L	-0.00269	0.03340	0.06984	0.01441	2.04890
# 3	0.01082	0.00881	0.00068 L	-0.00409	0.02766	0.06834	0.01243	2.06126
Mean	0.01117	0.00417	0.00049 L	-0.00433	0.03123	0.06827	0.01419	2.05582
%RSD	12.71150	155.21440	37.66389	40.74169	9.97875	2.34642	11.72383	0.30697

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00088 L	-0.01461	26.26878	0.00892	0.15763	0.00767 L	-0.00361	0.00600
# 2	0.00143 L	-0.01015	26.17339 L	-0.00785	0.10638	0.05874	0.19226	0.12937
# 3	0.00109 L	-0.01708	27.01540 L	-0.01345	0.03558	0.10995	0.12922	0.[illegible]
	0.00113 L	-0.01395	26.48586 L	-0.00413	0.09987	0.05879	0.10596	0.10411

# 1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.10638	0.05874	0.19226	0.12937
# 2	0.00143 L	-0.01015	26.17339 L	-0.00785		0.03558	0.10995	0.12922	0.17698
# 3	0.00109 L	-0.01708	27.01540 L	-0.01345					
Mean	0.00113 L	-0.01395	26.48586 L	-0.00413		0.09987	0.05879	0.10596	0.10411
%RSD	24.40610	25.17772	1.74081	282.02093		61.36694	86.98766	94.36793	84.75669

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.36128	0.55715	0.88373 L	-0.04452	0.03845	139.94919	0.00184 L	-0.04947
# 2	0.36142	0.64451	0.84397	0.01982	0.03845	139.46572	0.00174 L	-0.02811

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# 3	0.34591	0.34852	0.92627 L	-0.06883	0.03856	138.42179	0.00160 L	-0.07939
Mean	0.35620	0.51673	0.88466 L	-0.02451	0.03849	139.27890	0.00173 L	-0.05233
%RSD	2.50323	29.43114	4.65243	232.64295	0.16074	0.56049	7.23071	49.22502

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.05564	0.00032 L	-0.06715 L	-0.02169	0.00307
# 2 L	-0.02160	0.00102 L	-0.04340 L	-0.02521	0.00177
# 3 L	-0.01811 L	-0.00034 L	-0.05311	0.00236	0.00216
Mean	0.00531	0.00033 L	-0.05455 L	-0.01484	0.00233
%RSD	821.18338	203.09081	21.89163	101.08633	28.51548

EVOLUTION by Micro-Active Australia Pty Ltd 2:30:48 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10026-13 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 2:25:04 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.07239	0.32695 L	-1.01147	0.01238	0.37222	0.10046	0.06473	0.04879
# 2	0.06930	0.33111 L	-1.14181	0.00655	0.36237	0.09998	0.06446	0.04819
# 3	0.06951	0.32004 L	-1.38971	0.00756	0.36105	0.09985	0.06454	0.04909
Mean	0.07040	0.32603 L	-1.18100	0.00883	0.36521	0.10010	0.06458	0.04869
%RSD	2.45821	1.71539	16.26930	35.22216	1.67184	0.31935	0.21475	0.94032

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.19667	0.39815	0.09462	0.17482	0.65500	0.13324	0.01206	0.00333
# 2	0.19302	0.39988	0.09492	0.17312	0.66139	0.13517	0.01032	0.01404
# 3	0.19642	0.40483	0.09383	0.17577	0.65987	0.13293	0.00927	0.00492
Mean	0.19537	0.40095	0.09446	0.17457	0.65875	0.13378	0.01055	0.00743
%RSD	1.04416	0.86437	0.59459	0.76864	0.50734	0.90542	13.36713	77.74871

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.11862	0.36107	0.18119	0.12659 L	-0.00613	0.47238	0.49950	0.07665
# 2	0.11804	0.36018	0.17908	0.11644	0.19710	0.46703 L	-0.01102 L	-0.08503
# 3	0.11800	0.36062	0.16746	0.10998	0.06949	0.53211 L	-0.12099 L	-0.37550
Mean	0.11822	0.36063	0.17591	0.11767	0.08682	0.49051	0.12250 L	-0.12796
%RSD	0.29627	0.12340	4.20194	7.11499	118.31021	7.36481	270.29134	179.05243

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.54102	0.81284	0.93746	0.03055	0.11898	151.23566 L	-0.00028	0.11317
# 2	0.52839	0.62729	0.98287 L	-0.08339	0.11863	150.90052 L	-0.00006	0.11135
# 3	0.51982	0.64238	0.89458	0.02992	0.11897	150.60673 L	-0.00021	0.07182
Mean	0.52974	0.69417	0.93831 L	-0.00764	0.11886	150.91430 L	-0.00018	0.09878
%RSD	2.01271	14.84456	4.70562	858.81746	0.16612	0.20852	58.75100	23.65516

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.11744	0.48615 L	-0.08604	0.31132	0.00380
# 2 L	-0.07375	0.48687 L	-0.16866	0.29156	0.00251
# 3 L	-0.10706	0.49278 L	-0.07752	0.27531	0.00303
Mean L	-0.09942	0.48860 L	-0.11074	0.29273	0.00311
%RSD	22.95942	0.74485	45.46089	6.16031	20.95102

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVH Identity 2 : 14712,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:30:10 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00038	49.18265	0.21729	0.00167	0.02393	0.00380 L	-0.00006	50.43455
# 2	0.00107	49.22179	0.86582 L	-0.00265	0.01882	0.00357 L	-0.00008	50.79198
# 3 L	-0.00089	49.35508	0.95178 L	-0.00686	0.02712	0.00381 L	-0.00002	50.42930
Mean L	-0.00007	49.25317	0.67830 L	-0.00261	0.02329	0.00373 L	-0.00005	50.55194
%RSD	1473.80376	0.18353	59.19976	163.45032	17.98017	3.51026	53.25431	0.41125

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00953	0.00550	0.00270 L	-0.00334	48.67389	52.49466	0.01239	48.94230
# 2	0.01106	0.01596	0.00120 L	-0.00154	48.80871	52.52444	0.01066	49.06382
# 3	0.01151	0.01641	0.00288 L	-0.00221	48.88512	52.29197	0.00957	48.98916
Mean	0.01070	0.01262	0.00226 L	-0.00237	48.78924	52.43702	0.01087	48.99843
%RSD	9.69285	48.89605	40.80488	38.50226	0.21921	0.24124	13.05113	0.12507

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00149 L	-0.04635	49.71110 L	-0.01307 L	-0.02631	0.05705 L	-0.25387	0.14149
# 2	0.00150 L	-0.04158	50.08388	0.01552 L	-0.09634	0.08720	0.42568	0.18885
# 3	0.00161 L	-0.04273	49.82492	0.00449 L	-0.09687	0.20489	0.34768	0.35374
	0.00154 L	-0.04356	49.87330	0.00232 L	-0.07317	0.11638	0.17316	0.19469

# 2	0.00150 L	-0.04158	50.08388	0.01552 L	-0.09634	0.08720	0.42568	0.18885
# 3	0.00161 L	-0.04273	49.82492	0.00449 L	-0.09687	0.20489	0.34768	0.25372
Mean	0.00154 L	-0.04356	49.87330	0.00232 L	-0.07317	0.11638	0.17316	0.19469
%RSD	4.39180	5.71084	0.38306	622.37267	55.46989	67.12589	214.74978	28.93886

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.15946 L	-0.36709	0.44567	0.12719	0.00268	116.80144	0.00056	0.02182
# 2	0.13660 L	-0.35207	0.47249	0.23055	0.00269	116.86562	0.00109	0.00870

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# 3	0.19528 L	-0.26130	0.42478	0.27871	0.00272	116.79245	0.00081	0.00373
Mean	0.16378 L	-0.32682	0.44764	0.21215	0.00269	116.81984	0.00082	0.01142
%RSD	18.05933	17.51308	5.34260	36.49152	0.86954	0.03416	32.34330	81.83868

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.30815	0.00162 L	-0.04210	0.00419	0.00299
# 2	0.29110	0.00114 L	-0.02424	0.04224	0.00101
# 3	0.26696	0.00025	0.00401	0.04815	0.00247
Mean	0.28874	0.00100 L	-0.02078	0.03153	0.00215
%RSD	7.16628	69.33729	111.88797	75.67774	47.71635

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14712,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:35:18 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00182 L	-0.07476	14.06027	0.17838	10.21731 H	9.43905 H	9.48968	0.06593
# 2	0.00092 L	-0.06042	15.11282	0.18733	10.15564 H	9.39582 H	9.47456	0.06685
# 3	0.00176 L	-0.06714	15.39732	0.17528	10.13650 H	9.45155 H	9.47331	0.06990
Mean	0.00150 L	-0.06744	14.85680	0.18033	10.16981 H	9.42880 H	9.47918	0.06756
%RSD	33.58685	10.63918	4.74082	3.46781	0.41523	0.31010	0.09611	3.07233

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1 H	9.63336 H	9.73608 H	9.78113 H	9.61718	0.04761	0.06414	0.01081	0.04939
# 2 H	9.61270 H	9.76249 H	9.77452 H	9.59854	0.02664	0.06531	0.01012	0.04407
# 3 H	9.66295 H	9.70821 H	9.71105 H	9.56306	0.02511	0.07125	0.00891	0.04838
Mean H	9.63634 H	9.73559 H	9.75557 H	9.59293	0.03312	0.06690	0.00995	0.04728
%RSD	0.26207	0.27880	0.39664	0.28664	37.96387	5.70128	9.67940	5.97848

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	9.63319 H	9.86911	0.05103 H	9.74677	2.00809	10.20420	10.08245	10.29020
# 2 H	9.62145 H	9.87917	0.05301 H	9.71462	1.95679	10.19564	10.62659	10.18369
# 3 H	9.59956 H	9.89976	0.05556 H	9.72828	2.14888	10.25679	10.34785	10.94556
Mean H	9.61807 H	9.88268	0.05320 H	9.72989	2.03792	10.21888	10.35230	10.47315
%RSD	0.17749	0.15813	4.26759	0.16581	4.88033	0.32403	2.62837	3.93932

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	10.14543	10.32227	1.49363 L	-0.26259	0.00041	117.61519	0.00332	9.68849
# 2	10.19226	10.43749	1.43666 L	-0.23392	0.00045	117.38544	0.00227	9.59603
# 3	10.09631	9.96128	1.49371 L	-0.22227	0.00050	117.80002	0.00270	10.27904
Mean	10.14467	10.24035	1.47467 L	-0.23959	0.00046	117.60022	0.00276	9.85452
%RSD	0.47295	2.42620	2.23223	8.66128	9.36282	0.17661	19.11414	3.76013

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.03698 H	9.63681	0.01979 H	9.83509	0.00259
# 2 L	-0.04946 H	9.66090 L	-0.01513 H	9.84257	0.00163
# 3 L	-0.05358 H	9.78064	0.01945 H	9.85402	0.00259
Mean L	-0.04667 H	9.69278	0.00804 H	9.84389	0.00227
%RSD	18.52643	0.79474	249.58499	0.09683	24.50944

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14712,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:40:26 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.07684 L	-0.01294	5.30495	0.01029	1.14342	1.03683	1.05467	0.26090
# 2	0.07602 L	-0.01417	7.20675	0.01732	1.13598	1.03803	1.05470	0.25977
# 3	0.07558 L	-0.00313	8.69867	0.01135	1.13544	1.04352	1.05770	0.26161
Mean	0.07615 L	-0.01008	7.07012	0.01299	1.13828	1.03946	1.05569	0.26076
%RSD	0.83915	60.01665	24.05870	29.16147	0.39171	0.34281	0.16486	0.35650

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm

Mean	0.07615 L	-0.01008	7.07012	0.01299	1.13828	1.03946	1.05369	0.12807
%RSD	0.83915	60.01665	24.05870	29.16147	0.39171	0.34281	0.16486	0.35650

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	1.02986	0.99344	1.04932	0.99332	0.01898	0.03860	0.01232	0.04049
# 2	1.04871	1.00883	1.05523	0.99277	0.01678	0.04021	0.01021	0.04873
# 3	1.04767	1.01662	1.05361	0.99445	0.01182	0.03450	0.01053	0.06351
Mean	1.04208	1.00629	1.05272	0.99351	0.01586	0.03777	0.01102	0.05091
%RSD	1.01682	1.17223	0.28986	0.08606	23.14298	7.80325	10.35143	22.91782

EVOLUTION by Micro-Active Australia Pty Ltd 2:40:52 AM October 8, 1996

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.99821	1.07648	0.04992	0.97702 L	-0.30730	1.08326	1.59688	1.77957
# 2	1.00077	1.07829	0.04964	1.01568 L	-0.24770	1.10901	1.89282	1.92350
# 3	1.00228	1.07566	0.04867	0.99821 L	-0.11397	0.91190	2.18326	2.24515
Mean	1.00042	1.07681	0.04941	0.99697 L	-0.22299	1.03472	1.89099	1.98274
%RSD	0.20552	0.12478	1.33145	1.94190	44.39920	10.35502	15.50471	12.02237

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	1.22840	1.11428	0.31702	0.23192	0.24953	164.43182	0.00119	1.00331
# 2	1.17716	0.88736	0.37788	0.26758	0.24939	164.68211	0.00018	0.96673
# 3	1.19765	1.19834	0.36848	0.29513	0.25010	164.46263	0.00121	1.04613
Mean	1.20107	1.06666	0.35446	0.26488	0.24967	164.52552	0.00086	1.00539
%RSD	2.14712	15.08112	9.24337	11.96383	0.14934	0.08296	68.27651	3.95275

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.03764	1.00348 L	-0.10047	1.26247	0.00371
# 2	0.01731	1.00554 L	-0.09663	1.31864	0.00392
# 3	0.00026	1.01531 L	-0.08558	1.36890	0.00531
Mean L	-0.00669	1.00811 L	-0.09423	1.31667	0.00431
%RSD	420.55450	0.62677	8.20248	4.04382	20.14994

EVOLUTION by Micro-Active Australia Pty Ltd 2:50:52 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14712,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:45:34 AM October 8, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	L -0.00092	L -0.03614	L -0.37638	0.00480	0.04238	0.00079	0.00071	0.04307
# 2	0.00077	L -0.04290	L -1.15700	L -0.00479	0.04893	0.00086	0.00070	0.04160
# 3	L -0.00059	L -0.04903	L -2.03707	0.00155	0.03756	0.00103	0.00084	0.04276
Mean	L -0.00025	L -0.04269	L -1.19015	0.00052	0.04296	0.00089	0.00075	0.04248
%RSD	363.08723	15.10020	69.80957	941.62479	13.28904	13.96371	10.28818	1.82043

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00878	0.01360	0.00104	L -0.00294	L -0.00499	0.01358	0.01305 L	-0.01629
# 2	0.00913	0.01579	0.00171	L -0.00447	-0.00550	0.01153	0.01169 L	-0.01541
# 3	0.00757	0.01962	L -0.00103	L -0.00182	L -0.00378	0.01482	0.01001 L	-0.03137
Mean	0.00850	0.01633	0.00057	L -0.00308	L -0.00109	0.01331	0.01159 L	-0.02102
%RSD	9.63820	18.66171	250.22609	43.18445	528.47463	12.49300	13.16223	42.69864

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00117 L	-0.00467	0.03234 L	-0.02024	0.33500	0.07456 L	-0.05506	0.57024
# 2	0.00160 L	-0.00933	0.03013 L	-0.01026	0.35604	0.09426 L	-0.02896	0.42842
# 3	0.00169 L	-0.00860	0.03157 L	-0.01264	0.22064	0.11531	0.10992	0.04492
Mean	0.00149 L	-0.00754	0.03135 L	-0.01438	0.30389	0.09471	0.00863	0.34786
%RSD	18.53823	32.27285	3.58133	36.25822	23.97618	21.51670	1027.08298	78.12438

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.10594	0.58581	0.01444	0.04277	0.00061	119.58412 L	-0.00025 L	-0.02285
# 2	0.10968	0.44870	0.05813	0.01283	0.00063	119.78050 L	-0.00078 L	-0.02530
# 3	0.11043	0.40060 L	-0.00151 L	-0.00415	0.00062	119.53792 L	-0.00081 L	-0.01684
Mean	0.10868	0.47837	0.02369	0.01715	0.00062	119.63418 L	-0.00061 L	-0.02166
%RSD	2.21511	20.08982	130.36800	138.52231	2.00041	0.10767	51.07455	20.09711

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1	L -0.04601	0.00002 L	-0.12140 L	-0.12460	0.00208
# 2	L -0.05765 L	-0.00112 L	-0.10226 L	-0.18123	0.00230
# 3	L -0.09268 L	-0.00156 L	-0.05920 L	-0.20871	0.00213
Mean	L -0.06545 L	-0.00088 L	-0.09429 L	-0.17152	0.00217
%RSD	37.11694	92.17462	33.79017	25.00519	5.32396

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10026-14,1:10 Identity 2 : 14712,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 2:50:40 AM October 8, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	L -0.00260 L	-0.03175 L	-3.87087 L	-0.00575	0.04607	0.00026 L	-0.00018	8.82300
# 2	L -0.00333 L	-0.02314 L	-4.66789 L	-0.00841	0.04570	0.00003 L	-0.00020	8.85143
# 3	L -0.00485 L	-0.03062 L	-6.61692 L	-0.00459	0.03290	0.00012 L	-0.00020	8.84357
Mean	L -0.00359 L	-0.02851 L	-5.05189 L	-0.00625	0.04156	0.00014 L	-0.00019	8.83933
%RSD	31.91281	16.41067	27.96430	31.33919	18.04106	82.15825	7.05546	0.16607

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.01021	0.00455	0.00109 L	-0.00257	0.00456	17.33094	0.01528	6.34113
# 2	0.00625	0.00922	0.00593 L	-0.00474	0.00386	17.21927	0.01457	6.31376
# 3	0.00231	0.01185	0.00130 L	-0.00334	0.00030	17.27749	0.01355	6.30658
Mean	0.00626	0.00854	0.00277 L	-0.00355	0.00291	17.27590	0.01447	6.32049
%RSD	63.14221	43.29632	98.60242	31.05450	78.55365	0.32327	6.02909	0.28843

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	L -0.00032 L	-0.02371	9.81140 L	-0.01772	0.34498	0.03210 L	-0.49932 L	-0.11067
# 2	L -0.00046 L	-0.02786	9.87258 L	-0.01257	0.30306	0.04355 L	-0.24137 L	-0.21594
# 3	0.00039 L	-0.03145	9.86201 L	-0.02378	0.34549	0.08637 L	-0.59619 L	-0.41710
		-0.02769	9.84866 L	-0.01802	0.33118	0.05401 L	-0.44563 L	-0.24790

# 2 L	-0.00046 L	-0.02786	9.87258 L	-0.01257	0.30306	0.04355 L	-0.24137 L	-0.21594
# 3	0.00039 L	-0.03145	9.86201 L	-0.02378	0.34549	0.08637 L	-0.59619 L	-0.41710
Mean L	-0.00013 L	-0.02768	9.84866 L	-0.01802	0.33118	0.05401 L	-0.44563 L	-0.24790
%RSD	349.53888	14.00205	0.33207	31.15720	7.35284	52.97137	41.15523	62.80337

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.03518	0.21837	0.08238 L	-0.13647	0.00094	131.59058	0.00077 L	-0.01536
# 2	0.03151	0.14753	0.02291 L	-0.21090	0.00094	131.17414	0.00051 L	-0.04203

EVOLUTION by Micro-Active Australia Pty Ltd 2:50:54 AM October 8, 1996

# 3 L	-0.03541	0.87339	0.04212 L	-0.23922	0.00089	131.21550 L	-0.00070 L	-0.05765
Mean	0.01043	0.41309	0.04914 L	-0.19553	0.00093	131.32674	0.00019 L	-0.03834
%RSD	381.11093	96.87729	61.75623	27.14345	3.05551	0.17470	404.25319	55.77429

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.05161 L	-0.00173 L	-0.04217 L	-0.21358	0.00240
# 2 L	-0.09727 L	-0.00210 L	-0.07590 L	-0.27976	0.00103
# 3 L	-0.13161 L	-0.00278 L	-0.10008 L	-0.37995	0.00066
Mean L	-0.09350 L	-0.00220 L	-0.07272 L	-0.29110	0.00136
%RSD	42.92327	24.21021	39.99674	28.77506	67.42715

EVOLUTION by Micro-Active Australia Pty Ltd 3:00:56 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : PBW:14739 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 2:55:46 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	-0.00170 L	-0.01389 L	-0.50133	0.00972	0.06556	0.00048 L	-0.00008	0.25729
# 2	-0.00135 L	-0.00287 L	-1.28720	0.00940	0.06813	0.00061 L	-0.00003	0.25594
# 3	-0.00295	0.00668 L	-1.69846 L	-0.00624	0.06760	0.00076 L	-0.00007	0.25570
Mean	-0.00200 L	-0.00336 L	-1.16233	0.00429	0.06710	0.00062 L	-0.00006	0.25631
%RSD	41.98915	306.49723	52.33064	212.38249	2.01914	22.89641	46.84726	0.33580

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00693 L	-0.00541	0.00160	0.00360	0.03496	0.04539	0.01093	0.06630
# 2	0.00498	0.00268	0.00422	0.00240	0.02571	0.04740	0.01080	0.05821
# 3	0.00544	0.00013	0.00599	0.00284	0.03002	0.04888	0.00853	0.05005
Mean	0.00578 L	-0.00087	0.00394	0.00295	0.03023	0.04722	0.01009	0.05818
%RSD	17.62941	477.49703	56.19411	20.53470	15.30865	3.71147	13.38194	13.96204

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00065 L	-0.01886	0.11389	0.01867	0.08375	0.02654	0.38190	0.09673
# 2	0.00094 L	-0.02072	0.11571 L	-0.00957	0.03277	0.02366	0.44443 L	-0.03826
# 3	0.00098 L	-0.01697	0.11468 L	-0.00219 L	-0.04996	0.06331	0.08315 L	-0.05388
Mean	0.00086 L	-0.01885	0.11476	0.00230	0.02219	0.03784	0.30316	0.00153
%RSD	21.15674	9.93466	0.79598	635.55262	304.16096	58.41922	63.68945	5418.24430

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.52903	0.23776	1.30857 L	-0.00429	0.00087	117.70376	0.00060 L	-0.06654
# 2	0.53300	0.32869	1.34640	0.02849	0.00089	117.68194	0.00092 L	-0.06928
# 3	0.53683	0.26797	1.35119 L	-0.00342	0.00092	117.57027	0.00112 L	-0.05685
Mean	0.53295	0.27814	1.33539	0.00693	0.00090	117.65199	0.00088 L	-0.06423
%RSD	0.73158	16.64978	1.74837	269.76265	2.78726	0.06086	29.76818	10.16587

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	-0.04782 L	-0.00121 L	-0.09170	0.03525	0.00095
# 2	-0.04083 L	-0.00089 L	-0.05353	0.00764	0.00132
# 3	-0.03210 L	-0.00207 L	-0.05623	0.00054	0.00010
Mean	-0.04025 L	-0.00139 L	-0.06715	0.01448	0.00079
%RSD	19.56508	44.05392	31.71817	126.67219	79.25216

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCSW:14739 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:00:52 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.09722	0.94324	4.40639	0.00704	1.03839 H	8.81901	0.94309	9.87869
# 2	0.09723	0.94480	4.07882	0.00251	1.03597 H	8.87022	0.94251	9.89025
# 3	0.09584	0.93816	4.61476	0.01437	1.02781 H	8.86977	0.94378	9.91362
Mean	0.09676	0.94207	4.36665	0.00797	1.03406 H	8.85300	0.94313	9.89419
%RSD	0.82257	0.36877	6.18713	75.07422	0.53590	0.33247	0.06737	0.17984

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.92639	0.90167	0.93122	0.92427	0.95091	9.16993	0.01135	0.99988
# 2	0.92405	0.90713	0.92544	0.92561	0.94157	9.21099	0.01004	1.01007
# 3	0.93049	0.92453	0.92882	0.92448	0.94820	9.27521	0.00973	0.99288
Mean	0.92698	0.91111	0.92849	0.92479	0.94689	9.21871	0.01037	1.00094
%RSD	0.35162	1.31028	0.31267	0.07767	0.50752	0.57556	8.30620	0.86329

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.91783 L	-0.01280	8.81202	0.93267	0.16705	0.87193	9.52971	9.40533
# 2	0.91598 L	-0.01371	8.69610	0.89529	0.11235	0.96726	9.38773	9.44999
# 3	0.91583 L	-0.01446	8.78328	0.88662	0.19425	0.94964	9.55581	9.51365
		-0.01366	8.76380	0.90486	0.15788	0.92961	9.49108	9.45632

# 1	0.91783 L	-0.01280	8.81202	0.93287	0.18703	[illegible]	[illegible]	[illegible]
# 2	0.91598 L	-0.01371	8.69610	0.89529	0.11235	0.96726	9.38773	9.44999
# 3	0.91583 L	-0.01446	8.78328	0.88662	0.19425	0.94964	9.55581	9.51365
Mean	0.91655 L	-0.01366	8.76380	0.90486	0.15788	0.92961	9.49108	9.45632
%RSD	0.12127	6.12046	0.68882	2.70416	26.42137	5.45650	0.95301	0.57568

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	11.35089	5.16672	12.18178	6.82447 H	0.90932	298.41144	1.07753	0.94562
# 2	11.23635	5.57038	12.21072	6.67289 H	0.92262	298.04306	1.08168	0.93096

EVOLUTION by Micro-Active Australia Pty Ltd 3:00:56 AM October 8, 1996

# 3	11.01586	5.18541	12.01563	6.87923 H	0.92286	297.30760	1.07922	0.94924
Mean	11.20103	5.30750	12.13605	6.79220 H	0.91827	297.92070	1.07948	0.94194
%RSD	1.52027	4.29295	0.86750	1.57368	0.84405	0.18864	0.19311	1.02751

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.06385	0.91756 L	-0.01499	0.99212	0.00272
# 2 L	-0.02630	0.91723	0.00991	1.00527	0.00287
# 3 L	-0.09476	0.91617	0.04894	0.96683	0.00223
Mean L	-0.06164	0.91699	0.01462	0.98807	0.00261
%RSD	55.61670	0.07956	220.36558	1.97689	12.79075

EVOLUTION by Micro-Active Australia Pty Ltd 3:11:58 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-2 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:06:02 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00434	0.10291	2.83984 L	-0.00438	0.89006	0.09529 L	-0.00008	26.49024
# 2	0.00409	0.11087	3.54968	0.00051	0.86583	0.09490 L	-0.00002	26.44191
# 3	0.00371	0.09935	4.70714 L	-0.01011	0.87266	0.09467 L	-0.00001	26.47113
Mean	0.00405	0.10438	3.69889 L	-0.00466	0.87618	0.09496 L	-0.00004	26.46776
%RSD	7.77545	5.65254	25.48192	114.09738	1.42612	0.32704	105.47580	0.09197

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00892 L	-0.02044	0.00494	0.00568	0.11981	3.13392	0.04037	4.72468
# 2	0.01036 L	-0.01506	0.00529	0.00595	0.11342	3.11715	0.03867	4.76362
# 3	0.01214 L	-0.01193	0.00623	0.00547	0.11035	3.10954	0.03957	4.72995
Mean	0.01048 L	-0.01581	0.00549	0.00570	0.11453	3.12020	0.03953	4.73942
%RSD	15.39671	27.24294	12.12411	4.24001	4.21442	0.39967	2.15261	0.44575

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00439 L	-0.00531	71.48423 L	-0.00539 L	-0.02868	0.04491	0.13148	0.22325
# 2	0.00388 L	-0.00130	71.73750	0.00001 L	-0.03826 L	-0.03446	0.65339	0.40459
# 3	0.00389 L	-0.00213	71.40099	0.00851 L	-0.03549 L	-0.01042	0.75100	0.82369
Mean	0.00406 L	-0.00291	71.54091	0.00104 L	-0.03414	0.00001	0.51195	0.48384
%RSD	7.22560	72.62049	0.24499	672.77129	14.44158	362704.13506	65.06413	63.65053

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	14.55373	0.12015 H	36.09927	0.01686 H	0.56971	232.78216	0.00487	0.06051
# 2	14.53330	0.01068 H	36.26574 L	-0.00915 H	0.57259	233.08636	0.00499	0.02981
# 3	14.58289	0.12462 H	35.81190	0.05190 H	0.57021	232.84120	0.00418	0.03733
Mean	14.55664	0.08515 H	36.05897	0.01987 H	0.57084	232.90324	0.00468	0.04255
%RSD	0.17121	75.78218	0.63669	154.16384	0.26976	0.06926	9.30705	37.60936

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.05385	0.00327 L	-0.05481	0.09647	0.00486
# 2 L	-0.00877	0.00210 L	-0.01015	0.13148	0.00103
# 3 L	-0.02537	0.00352 L	-0.01506	0.17240	0.00201
Mean L	-0.02933	0.00296 L	-0.02667	0.13345	0.00263
%RSD	77.73059	25.68225	91.81737	28.47796	75.51684

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-2D Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:11:10 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00003	0.09816	2.06493	0.00487	0.90704	0.09286 L	-0.00033	26.69930
# 2	0.00128	0.09618	1.93533 L	-0.00922	0.90978	0.09288 L	-0.00030	26.63898
# 3	0.00041	0.08940	2.36331	0.00122	0.89353	0.09315 L	-0.00030	26.69218
Mean	0.00055	0.09458	2.12119 L	-0.00104	0.90345	0.09296 L	-0.00031	26.67682
%RSD	120.88020	4.85406	10.34644	700.18359	0.96347	0.17258	6.15067	0.12357

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01047 L	-0.00476	0.00085	0.00264	0.11353	3.12824	0.04002	4.76411
# 2	0.00632 L	-0.00426	0.00087	0.00314	0.11576	3.13173	0.04077	4.75934
# 3	0.01330	0.00286 L	-0.00034	0.00462	0.11550	3.11877	0.04135	4.77190
Mean	0.01003 L	-0.00205	0.00046	0.00347	0.11493	3.12625	0.04071	4.76512
%RSD	35.01622	207.59865	151.84750	29.65056	1.06312	0.21448	1.64709	0.13312

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00437 L	-0.01045	73.52246	0.00916 L	-0.01024	0.10970	0.41563	0.23019
# 2	0.00455 L	-0.01127	73.32468	0.00003 L	-0.03794	0.14246	0.33290	0.26458
# 3	0.00393 L	-0.00848	73.80134	0.00103 L	-0.10567	0.09922	0.32594	0.50295
			73.54950	0.00341 L	-0.05129	0.11713	0.35815	0.33257

# 1	0.00437 L	-0.01045	73.32246	0.00916 L	-0.01024	0.10970			
# 2	0.00455 L	-0.01127	73.32468	0.00003 L	-0.03794	0.14246	0.33290		0.26458
# 3	0.00393 L	-0.00848	73.80134	0.00103 L	-0.10567	0.09922	0.32594		0.50295
Mean	0.00428 L	-0.01007	73.54950	0.00341 L	-0.05129	0.11713	0.35815		0.33257
%RSD	7.34413	14.26281	0.32560	146.77263	95.72969	19.26173	13.93141		44.66699

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	14.49565 L	-0.00642 H	36.36424	0.21188 H	0.57237	235.55586	0.00317 L	-0.02637
# 2	14.82286 L	-0.14576 H	36.33204	0.11864 H	0.57451	234.55728	0.00372	0.00483

EVOLUTION by Micro-Active Australia Pty Ltd 3:12:00 AM October 8, 1996

# 3	14.69283 L	-0.01840 H	36.50580	0.20645 H	0.57409	235.23754	0.00289 L	-0.01115
Mean	14.67045 L	-0.05686 H	36.40070	0.17899 H	0.57366	235.11689	0.00326 L	-0.01089
%RSD	1.12299	135.81863	0.25394	29.23715	0.19761	0.21696	12.86274	143.22957

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.01461	0.00231	0.01427	0.01736	0.00443
# 2 L	-0.07452	0.00245	0.03530	0.03266	0.00102
# 3 L	-0.04973	0.00040 L	-0.03823	0.04462	0.00270
Mean L	-0.04629	0.00172	0.00378	0.03155	0.00272
%RSD	65.03327	66.75355	1002.40087	43.32015	62.70880

EVOLUTION by Micro-Active Australia Pty Ltd 3:22:00 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-2MS Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:16:20 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.09994	1.11331	7.59858	0.02797	1.98991 H	9.01090	0.96154	36.12409
# 2	0.09781	1.09021	9.70835	0.02715	2.00502 H	8.98741	0.96311	36.34514
# 3	0.09759	1.09994	10.60952	0.02258	2.03910 H	9.09674	0.96580	36.41708
Mean	0.09845	1.10116	9.30548	0.02590	2.01134 H	9.03168	0.96348	36.29543
%RSD	1.31879	1.05292	16.60713	11.22219	1.25259	0.63726	0.22376	0.42068

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.96945	0.92080	0.93925	0.94350	1.06306	13.13171	0.03994	5.74018
# 2	0.97454	0.93005	0.94314	0.94084	1.06150	13.11268	0.03929	5.74331
# 3	0.97316	0.94104	0.94382	0.94315	1.04828	13.14912	0.04151	5.77351
Mean	0.97238	0.93063	0.94207	0.94250	1.05761	13.13117	0.04024	5.75233
%RSD	0.27052	1.08854	0.26195	0.15307	0.76804	0.13880	2.83485	0.31994

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.93008 L	-0.02031	82.28223	0.91879 L	-0.08566	0.91193	10.05375	9.35424
# 2	0.93155 L	-0.01263	82.68987	0.90013 L	-0.26868	1.00018	10.72894	9.63666
# 3	0.93733 L	-0.00859	83.26542	0.87786 L	-0.13732	0.86201	10.60484	9.46497
Mean	0.93299 L	-0.01384	82.74584	0.89893 L	-0.16389	0.92470	10.46251	9.48529
%RSD	0.41098	43.00745	0.59698	2.27988	57.57434	7.56602	3.43510	1.50024

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	24.95400	4.84152 H	48.22601	4.85179 H	1.49051	420.23220	1.06625	0.96450
# 2 H	25.22135	4.88962 H	47.85541	4.92215 H	1.48826	418.56748	1.06004	0.94474
# 3 H	25.17098	4.55275 H	47.91860	5.06701 H	1.50448	419.21568	1.06419	0.95811
Mean H	25.11544	4.76130 H	48.00001	4.94699 H	1.49442	419.33845	1.06349	0.95578
%RSD	0.56565	3.82663	0.41304	2.21831	0.58805	0.20011	0.29758	1.05479

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.03210	0.92479 L	-0.05433	1.00497	0.00465
# 2	0.00336	0.93047 L	-0.07239	1.07505	0.00176
# 3 L	-0.05548	0.92625 L	-0.02335	1.15056	0.00313
Mean L	-0.02807	0.92717 L	-0.05002	1.07686	0.00318
%RSD	105.54100	0.31834	49.58720	6.76144	45.57790

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-2MD Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:21:28 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.09665	1.05389	2.86665	0.02735	1.98313 H	9.10870	0.96208	36.50325
# 2	0.09671	1.07121	2.12521	0.02537	1.97874 H	9.05719	0.96254	36.68609
# 3	0.09764	1.06090	1.06431	0.03202	1.98411 H	9.08490	0.96141	36.54109
Mean	0.09700	1.06200	2.01872	0.02825	1.98199 H	9.08360	0.96201	36.57681
%RSD	0.57419	0.82049	44.87387	12.08410	0.14439	0.28378	0.05909	0.26386

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.95774	0.92166	0.94401	0.94134	1.06208	13.16656	0.03957	5.71184
# 2	0.96163	0.92982	0.94816	0.94018	1.05336	13.17102	0.03927	5.73722
# 3	0.96219	0.91744	0.95175	0.93657	1.04736	13.18025	0.03971	5.71045
Mean	0.96052	0.92297	0.94798	0.93936	1.05427	13.17261	0.03952	5.71984
%RSD	0.25252	0.68165	0.40867	0.26486	0.70175	0.05299	0.56686	0.26347

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.93079 L	-0.02639	82.65003	0.94748	0.48148	0.86558	10.51728	9.44204
# 2	0.93259 L	-0.03345	82.21535	0.91449	0.54568	0.87055	10.70130	9.37928
# 3	0.93021 L	-0.02934	81.70739	0.89901	0.47104	0.92082	9.67333	8.67685
			82.19093	0.92033	0.49940	0.88565	10.29730	9.16606

# 1	0.93079	L	-0.02639	82.65003	0.94748	0.48148	0.86558	10.51726	9.44404
# 2	0.93259	L	-0.03345	82.21535	0.91449	0.54568	0.87055	10.70130	9.37928
# 3	0.93021	L	-0.02934	81.70739	0.89901	0.47104	0.92082	9.67333	8.67685
Mean	0.93120	L	-0.02973	82.19093	0.92033	0.49940	0.88565	10.29730	9.16606
%RSD	0.13290		11.92132	0.57402	2.68978	8.09403	3.45049	5.32327	4.63477

	Sb 252.852		Se 196.091		Si 251.611	Sn 242.949		Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm		ppm		ppm	ppm		ppm	ppm	ppm	ppm
# 1	H 25.12283		5.23863	H	47.21941	5.85481	H	1.50540	420.73408	1.07444	0.93769
# 2	H 25.12142		5.69391	H	47.20240	5.56796	H	1.50145	419.44928	1.07545	0.90070

EVOLUTION by Micro-Active Australia Pty Ltd 3:22:02 AM October 8, 1996

# 3	H	25.14009	5.38613	H	47.40349	5.74243	H	1.50640	420.95228	1.07310	0.94509
Mean	H	25.12811	5.43955	H	47.27510	5.72173	H	1.50442	420.37855	1.07433	0.92783
%RSD		.0.04137	4.27045		0.23589	2.52619		0.17376	0.19319	0.10959	2.56318

	U 367.007		V 292.402		W 239.710	Zn 213.857	Zr 343.822
	ppm		ppm		ppm	ppm	ppm
# 1	L -0.05814		0.92494	L	-0.05035	0.86545	0.00496
# 2	L -0.06346		0.93472	L	-0.04531	0.83488	0.00124
# 3	L -0.05717		0.93248	L	-0.08047	0.79823	0.00338
Mean	L -0.05959		0.93071	L	-0.05871	0.83285	0.00319
%RSD	5.68004		0.55065		32.38088	4.04098	58.36253

EVOLUTION by Micro-Active Australia Pty Ltd 3:32:02 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-2L Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:26:36 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	L -0.00014	L -0.01062	L -1.61211	0.00373	0.18369	0.01826	0.00022	4.68993
# 2	L -0.00051	L -0.00510	L -2.03707	L -0.00210	0.17092	0.01856	0.00021	4.72007
# 3	L -0.00040	0.00238	L -2.04913	0.00321	0.16993	0.01828	0.00012	4.71689
Mean	L -0.00035	L -0.00445	L -1.89944	0.00161	0.17485	0.01837	0.00018	4.70897
%RSD	54.13461	146.65399	13.10431	199.76950	4.38937	0.92909	28.21323	0.35165

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00642 L	-0.00328	0.00246 L	-0.00254	0.01927	0.53049	0.01557	0.80897
# 2	0.00542 L	-0.00092	0.00747 L	-0.00098	0.02014	0.52976	0.01393	0.80907
# 3	0.00653	0.00326	0.00412 L	-0.00218	0.02468	0.53251	0.01290	0.81955
Mean	0.00612 L	-0.00031	0.00468 L	-0.00190	0.02136	0.53092	0.01413	0.81253
%RSD	10.03597	1052.23446	54.42184	42.88634	13.61190	0.26869	9.52646	0.74818

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00134 L	-0.01429	10.98953 L	-0.01487	0.03871 L	-0.01747 L	-0.49984	0.26066
# 2	0.00158 L	-0.01631	11.01738	0.00014	0.05690	0.04359 L	-0.26807	0.16803
# 3	0.00141 L	-0.01744	11.06524 L	-0.01992 L	-0.06879 L	-0.03705 L	-0.19462	0.01686
Mean	0.00144 L	-0.01601	11.02405 L	-0.01155	0.00894 L	-0.00364 L	-0.32085	0.14852
%RSD	8.29651	8.96184	0.34736	90.30457	759.96452	1154.69603	49.65207	82.86190

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	2.60950	0.17656	6.36091 L	-0.13907	0.09921	135.24828	0.00115 L	-0.04305
# 2	2.55456	0.46804	6.27871 L	-0.14384	0.09990	134.73230	0.00163 L	-0.01492
# 3	2.60937	0.15291	6.34389 L	-0.11624	0.09987	134.46533	0.00202 L	-0.03742
Mean	2.59114	0.26584	6.32784 L	-0.13305	0.09966	134.81530	0.00160 L	-0.03179
%RSD	1.22259	66.02288	0.68567	11.08817	0.39137	0.29523	27.08967	46.80330

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.03007 L	-0.00286 L	-0.09221	0.11630	0.00251
# 2	0.01102 L	-0.00267 L	-0.01692	0.10381	0.00128
# 3	L -0.04175 L	-0.00287 L	-0.08389	0.05635	0.00077
Mean	L -0.00089 L	-0.00280 L	-0.06434	0.09215	0.00152
%RSD	4321.13685	3.87536	64.15339	34.32135	58.73488

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-1 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:31:44 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00170	0.27877	0.16639	0.07309	0.12590	0.27693 L	-0.00023 H	116.56277
# 2	0.00050	0.28017 L	-0.18024	0.06667	0.13314	0.27517 L	-0.00018 H	116.32111
# 3	0.00089	0.28647 L	-0.74591	0.06754	0.12269	0.27544 L	-0.00023 H	116.50470
Mean	0.00103	0.28180 L	-0.25326	0.06910	0.12725	0.27585 L	-0.00021 H	116.46286
%RSD	59.42452	1.45629	181.83616	5.03657	4.20533	0.34310	12.78381	0.10832

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00845	0.00020	0.00312	0.00405	1.01844	1.19133	0.01793	15.74216
# 2	0.00922	0.00615	0.00638	0.00271	1.01042	1.18744	0.01759	15.75155
# 3	0.00781	0.00297	0.00504	0.00338	1.01994	1.18712	0.01672	15.83926
Mean	0.00849	0.00311	0.00485	0.00338	1.01626	1.18863	0.01741	15.77766
%RSD	8.32449	95.81148	33.73526	19.90671	0.50349	0.19714	3.59221	0.33943

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	3.82842 L	-0.01301	14.93238	0.00748	0.25133	0.03050	0.11360	0.03165
# 2 H	3.82957 L	-0.00946	14.75125	0.00691	0.23425 L	-0.00001	0.24765	0.14299
# 3 H	3.82950 L	-0.00810	14.95391 L	-0.00073	0.20828	0.08995 L	-0.00528	0.13609
	3.82916 L	-0.01019	14.87918	0.00455	0.23129	0.04015	0.11865	0.10356

# 1	H	3.82842 L	-0.01301	14.93238	0.00748	[illegible]	[illegible]	[illegible]	[illegible]
# 2	H	3.82957 L	-0.00946	14.75125	0.00691	0.23425 L	-0.00001	0.24765	0.14299
# 3	H	3.82950 L	-0.00810	14.95391 L	-0.00073	0.20828	0.08995 L	-0.00528	0.13605
Mean	H	3.82916 L	-0.01019	14.87918	0.00455	0.23129	0.04015	0.11865	0.10356
%RSD		0.01675	24.89749	0.74812	100.74514	9.37207	113.95552	106.64770	60.23040

		Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	H	21.80171	0.15930 H	54.41728	0.09270	0.46933	209.81988	0.00780 L	-0.06557
# 2	H	21.92993	0.48722 H	54.15239	0.06924	0.47022	209.56446	0.00738 L	-0.00379

EVOLUTION by Micro-Active Australia Pty Ltd 3:32:04 AM October 8, 1996

# 3	H	21.86265	0.62401 H	54.47439	0.03793	0.47330	209.33984	0.00690 L	-0.01414
Mean	H	21.86477	0.42351 H	54.34802	0.06662	0.47095	209.57473	0.00736 L	-0.02783
%RSD		0.29332	56.38950	0.31613	41.24525	0.44268	0.11461	6.11073	118.90160

		U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
		ppm	ppm	ppm	ppm	ppm
# 1	L	-0.05624	0.00137 L	-0.03239 L	-0.00184	0.00302
# 2	L	-0.04880 L	-0.00094 L	-0.08721 L	-0.01615	0.00292
# 3	L	-0.10353 L	-0.00072 L	-0.05471 L	-0.03003	0.00180
Mean	L	-0.06952 L	-0.00010 L	-0.05810 L	-0.01601	0.00258
%RSD		42.69911	1265.17755	47.43904	88.07521	26.30206

EVOLUTION by Micro-Active Australia Pty Ltd 3:42:06 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-3 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:36:54 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00395	0.04915	0.79913	0.00687	0.07218	0.13436 L	-0.00031	76.35036
# 2	0.00074	0.05962	1.31335 L	-0.00379	0.08576	0.13500 L	-0.00019	76.54669
# 3	0.00228	0.06781	3.11982 L	-0.00419	0.07769	0.13577 L	-0.00022	77.34248
Mean	0.00232	0.05886	1.74410 L	-0.00037	0.07855	0.13504 L	-0.00024	76.74651
%RSD	69.19558	15.89355	69.88316	1693.96502	8.69982	0.52492	26.46753	0.68456

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00948 L	-0.00725	0.00545	0.00698	0.10297	0.75175	0.02018	14.70350
# 2	0.01097	0.00049	0.00487	0.00732	0.09606	0.75612	0.02005	14.71830
# 3	0.01361 L	-0.00067	0.00420	0.00836	0.09684	0.76236	0.01895	14.76047
Mean	0.01136 L	-0.00248	0.00484	0.00755	0.09862	0.75674	0.01973	14.72743
%RSD	18.39836	168.70805	12.89308	9.51847	3.83830	0.70451	3.42032	0.20070

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00496 L	-0.01064	29.98148	0.00132 L	-0.24161	0.12316 L	-0.10561	0.31135
# 2	0.00537 L	-0.01150	30.11596 L	-0.01237 L	-0.23940	0.06273	0.14897	0.48485
# 3	0.00534 L	-0.00969	30.17938 L	-0.01238 L	-0.18891	0.06688	0.06923	0.55244
Mean	0.00522 L	-0.01061	30.09227 L	-0.00781 L	-0.22330	0.08426	0.03753	0.44955
%RSD	4.40161	8.54735	0.33580	101.22626	13.34841	40.06483	346.93986	27.66306

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	23.06194 L	-0.04589 H	57.54602	0.03963	0.34529	184.63580	0.00325 L	-0.02442
# 2 H	23.05454 L	-0.10549 H	57.30847	0.02538	0.34461	184.26102	0.00354 L	-0.05418
# 3 H	23.14366	0.15531 H	57.39049	0.03173	0.34991	184.19298	0.00296 L	-0.02574
Mean H	23.08671	0.00131 H	57.41500	0.03225	0.34660	184.36327	0.00325 L	-0.03478
%RSD	0.21421	10441.45188	0.21015	22.14905	0.83157	0.12934	8.90108	48.33740

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.06660	0.00121 L	-0.04697	0.06034	0.00262
# 2 L	-0.04043	0.00029 L	-0.05985	0.07686	0.00151
# 3 L	-0.02869 L	-0.00071 L	-0.05187	0.11720	0.00219
Mean L	-0.04524	0.00026 L	-0.05290	0.08480	0.00211
%RSD	42.89206	366.77089	12.29170	34.49654	26.53889

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVH Identity 2 : 14739,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:42:00 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00067	49.47221	2.23673 L	-0.00036	0.03137	0.00384 L	-0.00002	50.70843
# 2	0.00040	49.65533	2.33317	0.00477	0.01649	0.00400 L	-0.00005	51.27343
# 3 L	-0.00016	49.72058	3.29463 L	-0.00442	0.03570	0.00412 L	-0.00004	51.02839
Mean	0.00030	49.61604	2.62151 L	-0.00000	0.02785	0.00398 L	-0.00003	51.00342
%RSD	138.24019	0.25952	22.31269	139024.28894	36.17196	3.54245	37.38785	0.55551

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01213	0.01165	0.00512 L	-0.00169	49.34206	52.60931	0.01178	49.29221
# 2	0.01521	0.01777	0.00498 L	-0.00203	49.39856	52.55103	0.01110	49.45701
# 3	0.01493	0.00943	0.00453 L	-0.00118	49.34591	52.77832	0.01000	49.62340
Mean	0.01409	0.01295	0.00488 L	-0.00163	49.36218	52.64622	0.01096	49.45754
%RSD	12.10584	33.37875	6.36711	25.98977	0.06395	0.22425	8.19306	0.33483

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583

EVOLUTION by Micro-Active Australia Pty Ltd 3:42:06 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-3 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 3:36:54 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00395	0.04915	0.79913	0.00687	0.07218	0.13436 L	-0.00031	76.35036
# 2	0.00074	0.05962	1.31335 L	-0.00379	0.08576	0.13500 L	-0.00019	76.54669
# 3	0.00228	0.06781	3.11982 L	-0.00419	0.07769	0.13577 L	-0.00022	77.34248
Mean	0.00232	0.05886	1.74410 L	-0.00037	0.07855	0.13504 L	-0.00024	76.74651
%RSD	69.19558	15.89355	69.88316	1693.96502	8.69982	0.52492	26.46753	0.68456

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00948 L	-0.00725	0.00545	0.00698	0.10297	0.75175	0.02018	14.70350
# 2	0.01097	0.00049	0.00487	0.00732	0.09606	0.75612	0.02005	14.71830
# 3	0.01361 L	-0.00067	0.00420	0.00836	0.09684	0.76236	0.01895	14.76047
Mean	0.01136 L	-0.00248	0.00484	0.00755	0.09862	0.75674	0.01973	14.72743
%RSD	18.39836	168.70805	12.89308	9.51847	3.83830	0.70451	3.42032	0.20070

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00496 L	-0.01064	29.98148	0.00132 L	-0.24161	0.12316 L	-0.10561	0.31135
# 2	0.00537 L	-0.01150	30.11596 L	-0.01237 L	-0.23940	0.06273	0.14897	0.48485
# 3	0.00534 L	-0.00969	30.17938 L	-0.01238 L	-0.18891	0.06688	0.06923	0.55244
Mean	0.00522 L	-0.01061	30.09227 L	-0.00781 L	-0.22330	0.08426	0.03753	0.44955
%RSD	4.40161	8.54735	0.33580	101.22626	13.34841	40.06483	346.93986	27.66306

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	23.06194 L	-0.04589 H	57.54602	0.03963	0.34529	184.63580	0.00325 L	-0.02442
# 2 H	23.05454 L	-0.10549 H	57.30847	0.02538	0.34461	184.26102	0.00354 L	-0.05418
# 3 H	23.14366	0.15531 H	57.39049	0.03173	0.34991	184.19298	0.00296 L	-0.02574
Mean H	23.08671	0.00131 H	57.41500	0.03225	0.34660	184.36327	0.00325 L	-0.03478
%RSD	0.21421	10441.45188	0.21015	22.14905	0.83157	0.12934	8.90108	48.33740

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.06660	0.00121 L	-0.04697	0.06034	0.00262
# 2 L	-0.04043	0.00029 L	-0.05985	0.07686	0.00151
# 3 L	-0.02869 L	-0.00071 L	-0.05187	0.11720	0.00219
Mean L	-0.04524	0.00026 L	-0.05290	0.08480	0.00211
%RSD	42.89206	366.77089	12.29170	34.49654	26.53889

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVH Identity 2 : 14739,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:42:00 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00067	49.47221	2.23673 L	-0.00036	0.03137	0.00384 L	-0.00002	50.70843
# 2	0.00040	49.65533	2.33317	0.00477	0.01649	0.00400 L	-0.00005	51.27343
# 3 L	-0.00016	49.72058	3.29463 L	-0.00442	0.03570	0.00412 L	-0.00004	51.02839
Mean	0.00030	49.61604	2.62151 L	-0.00000	0.02785	0.00398 L	-0.00003	51.00342
%RSD	138.24019	0.25952	22.31269	139024.28894	36.17196	3.54245	37.38785	0.55551

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01213	0.01165	0.00512 L	-0.00169	49.34206	52.60931	0.01178	49.29221
# 2	0.01521	0.01777	0.00498 L	-0.00203	49.39856	52.55103	0.01110	49.45701
# 3	0.01493	0.00943	0.00453 L	-0.00118	49.34591	52.77832	0.01000	49.62340
Mean	0.01409	0.01295	0.00488 L	-0.00163	49.36218	52.64622	0.01096	49.45754
%RSD	12.10584	33.37875	6.36711	25.98977	0.06395	0.22425	8.19306	0.33483

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00171 L	-0.03574	49.68904	0.00091 L	-0.12570	0.04229	0.44192	0.58653
# 2	0.00198 L	-0.03653	50.68504	0.00704 L	-0.05542	0.02753	0.59897	0.88253
# 3	0.00213 L	-0.03752	50.13724 L	-0.02425	0.01512 L	-0.03684	0.57723	0.98602
Mean	0.00194 L	-0.03660	50.17044 L	-0.00544 L	-0.05533	0.01099	0.53937	0.81836
%RSD	10.97592	2.43669	0.99427	304.99321	127.25139	382.70887	15.77685	25.33502

# 3	0.00213 L	-0.03752	50.13724 L	-0.02425	0.01512 L	-0.03684	0.57723	0.98602
Mean	0.00194 L	-0.03660	50.17044 L	-0.00844 L	-0.05533	0.01099	0.53937	0.81836
%RSD	10.97592	2.43669	0.99427	304.99321	127.25139	382.70887	15.77685	25.33503

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.24995	0.48498	0.73991	0.36239	0.00273	117.14029	0.00120	0.01361
# 2	0.29546	0.14028	0.76992	0.41199	0.00274	116.58581	0.00163 L	-0.01055

EVOLUTION by Micro-Active Australia Pty Ltd 3:42:06 AM October 8, 1996

# 3	0.24440	0.05511	0.74257	0.47781	0.00275	117.26864	0.00159	0.01716
Mean	0.26327	0.22679	0.75060	0.41740	0.00274	116.99825	0.00147	0.00674
%RSD	10.64097	100.36438	2.21243	13.87091	0.32287	0.31018	16.19462	223.67395

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.38555	0.00136 L	-0.06040	0.01500	0.00266
# 2	0.39369	0.00391 L	-0.06804	0.05271	0.00137
# 3	0.42026	0.00217 L	-0.06838	0.04821	0.00184
Mean	0.39983	0.00248 L	-0.06561	0.03864	0.00196
%RSD	4.54034	52.50212	6.87390	53.31272	33.57787

EVOLUTION by Micro-Active Australia Pty Ltd 3:52:08 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14739,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:47:12 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	-0.00041 L	-0.10040	14.29561	0.18273	10.36047 H	9.50215 H	9.62267	0.10798
# 2	-0.00015 L	-0.08442	14.18710	0.17754	10.31781 H	9.50908 H	9.60252	0.11090
# 3	0.00119 L	-0.08210	13.62651	0.16888	10.32050 H	9.55908 H	9.59166	0.10937
Mean	0.00021 L	-0.08897	14.03641	0.17638	10.33293 H	9.52344 H	9.60562	0.10942
%RSD	406.36021	11.19819	2.55837	3.96780	0.23122	0.32615	0.16381	1.33590

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	H 9.85866 H	9.82382 H	9.90088 H	9.73650	0.05890	0.04084	0.01180	0.05217
# 2	H 9.84880 H	9.92585 H	9.90088 H	9.72639	0.03646	0.04858	0.00915	0.05493
# 3	H 9.86668 H	9.89169 H	9.90593 H	9.72874	0.02919	0.04096	0.00845	0.04810
Mean	H 9.85805 H	9.88045 H	9.90256 H	9.73054	0.04152	0.04346	0.00980	0.05173
%RSD	0.09084	0.52562	0.02942	0.05435	37.30850	10.20864	18.00643	6.64353

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	H 9.74775 H	10.03565	0.04295 H	9.98129	2.23687	10.45733	10.83516	10.48663
# 2	H 9.69006 H	10.02017	0.04402 H	9.96017	2.29874	10.30103	10.71502	10.44047
# 3	H 9.69549 H	10.06945	0.04509 H	9.83324	2.25173	10.36781	11.28342	10.70478
Mean	H 9.71110 H	10.04175	0.04402 H	9.92490	2.26245	10.37539	10.94454	10.54396
%RSD	0.32807	0.25094	2.42536	0.80685	1.42759	0.75588	2.73714	1.33893

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	10.30909	10.04134	1.81442 L	-0.30169	0.00043	117.38544	0.00377	10.22248
# 2	10.42606	9.67699	1.84549 L	-0.25877	0.00043	117.16853	0.00371	9.89533
# 3	10.42685	10.23853	1.83326 L	-0.20012	0.00047	117.00167	0.00375	9.85087
Mean	10.38733	9.98562	1.83105 L	-0.25353	0.00044	117.18521	0.00374	9.98956
%RSD	0.65233	2.85300	0.85484	20.11049	5.00549	0.16421	0.75101	2.03145

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.03657 H	9.83721 L	-0.10092 H	9.93222	0.00204
# 2	0.04286 H	9.92141 L	-0.05160 H	9.79188	0.00226
# 3	0.00562 H	9.98600 L	-0.02390 H	9.93917	0.00430
Mean	0.02835 H	9.91487 L	-0.05880 H	9.88776	0.00287
%RSD	70.31072	0.75248	66.34209	0.84047	43.31242

EVOLUTION by Micro-Active Australia Pty Ltd 3:58:10 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14739,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:52:18 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.07875 L	-0.02554 L	-1.28505	0.01816	1.10682	1.06076	1.06682	0.27328
# 2	0.07768 L	-0.00518 L	-3.21696	0.01339	1.09539	1.04561	1.05944	0.27393
# 3	0.07669 L	-0.02445 L	-4.51861	0.01210	1.10101	1.04848	1.07100	0.27376
Mean	0.07771 L	-0.01839 L	-3.00687	0.01455	1.10107	1.05162	1.06575	0.27365
%RSD	1.32260	62.28887	54.10889	21.92847	0.51926	0.76493	0.54902	0.12345

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	1.02844	0.99025	1.05441	1.00656	0.02426	0.06046	0.00996 L	-0.00291
# 2	1.01764	0.99980	1.05569	1.00245	0.01773	0.05270	0.00870 L	-0.01124
# 3	1.01957	1.02664	1.05726	1.00922	0.01707	0.04432	0.00764 L	-0.01894
Mean	1.02188	1.00556	1.05579	1.00608	0.01969	0.05250	0.00877 L	-0.01103
%RSD	0.56335	1.87664	0.13510	0.33934	20.20133	15.38139	13.24287	72.69297

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Se 217.583 ppm
# 1	1.00799	1.07334	0.03316	1.01549	0.65783	1.09003	0.90294	1.29379
# 2	1.00234	1.05705	0.03232	0.98881	0.61344	1.01827	0.60487	0.75429
# 3	1.00978	1.06532	0.03353	0.99873	0.52812	0.99942	0.33898	0.52015
Mean	1.00670	1.06524	0.03300	1.00101	0.59980	1.03591	0.61560	0.85608
%RSD	0.38567	0.76446	1.88912	1.34699	10.99070	4.61534	45.83018	46.34349

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	1.25236	1.60791	0.58024 L	-0.06792	0.25355	161.59780	0.00056	1.01757
# 2	1.27390	1.67886	0.56109 L	-0.16956	0.25333	162.14201 L	-0.00044	1.00523
# 3	1.20447	1.65537	0.53618 L	-0.31202	0.25432	161.47586 L	-0.00034	1.03814
Mean	1.24358	1.64738	0.55917 L	-0.18317	0.25373	161.73856 L	-0.00007	1.02031
%RSD	2.85772	2.19407	3.95125	66.94320	0.20601	0.21929	764.90371	1.62928

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.09689	1.01443 L	-0.01841	1.03342	0.00296
# 2 L	-0.02564	1.01806 L	-0.07211	0.95266	0.00368
# 3 L	-0.11889	1.01445 L	-0.10551	0.88663	0.00426
Mean L	-0.08047	1.01565 L	-0.06534	0.95757	0.00364
%RSD	60.57372	0.20579	67.25209	7.67712	17.87379

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14739,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:57:28 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00093 L	-0.03200 L	-0.42746	0.00418	0.06123	0.00041	0.00039	0.01991
# 2 L	-0.00023 L	-0.04322 L	-0.14429 L	-0.00356	0.05795	0.00018	0.00037	0.02038
# 3 L	-0.00190 L	-0.03665 L	-0.40064 L	-0.00387	0.07380	0.00068	0.00047	0.01912
Mean L	-0.00102 L	-0.03729 L	-0.32413 L	-0.00108	0.06433	0.00042	0.00041	0.01981
%RSD	82.42965	15.11778	48.22920	421.77315	13.00739	60.12964	13.11029	3.21113

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00468 L	-0.00833 L	-0.00237 L	-0.00279 L	-0.00119	0.03464	0.00794	0.00089
# 2	0.00739 L	-0.00197 L	-0.00065 L	-0.00051 L	-0.00239	0.03318	0.00756	0.00260
# 3	0.00513 L	-0.00069 L	-0.00111 L	-0.00067 L	-0.00624	0.03168	0.00632 L	-0.00665
Mean	0.00573 L	-0.00366 L	-0.00137 L	-0.00132 L	-0.00327	0.03317	0.00728 L	-0.00105
%RSD	25.15770	111.61168	64.76366	96.55631	80.65198	4.46626	11.61665	468.34527

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Se 217.583 ppm
# 1	0.00090 L	-0.00406	0.00637 L	-0.00108	0.08953 L	-0.01099	0.39794	0.10393
# 2	0.00085 L	-0.00357	0.00439	0.00167	0.08946	0.03283	0.36112	0.26240
# 3	0.00060 L	-0.00446	0.00518 L	-0.00690	0.05020	0.05616	0.74095	0.00313
Mean	0.00078 L	-0.00403	0.00531 L	-0.00210	0.07639	0.02600	0.50000	0.12315
%RSD	20.80497	11.05453	18.72155	207.79470	29.69775	131.10929	41.89537	106.12664

# 3	0.00060 L	-0.00448	0.00518 L	-0.00690	0.05020	0.05818		
Mean	0.00078 L	-0.00403	0.00531 L	-0.00210	0.07639	0.02600	0.50000	0.12315
%RSD	20.80497	11.05453	18.72155	207.75470	29.69775	131.10929	41.89537	106.12664

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.14136	0.11104	0.08153 L	-0.14045	0.00004	114.94931 L	-0.00046	0.00748
# 2	0.11061	0.39916	0.12224 L	-0.14717	0.00005	114.53473	0.00010 L	-0.00369

VOLUTION by Micro-Active Australia Pty Ltd 4:08:12 AM October 8, 1996

# 3	0.11488	0.06805	0.10435 L	-0.09567	0.00010	114.33065 L	-0.00040	0.00864
Mean	0.12228	0.19275	0.10271 L	-0.12910	0.00006	114.60490 L	-0.00025	0.00414
%RSD	13.62241	93.40756	19.86728	19.91233	56.33458	0.27507	122.30675	164.37976

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.02426 L	-0.00154 L	-0.11453	0.03508	0.00261
# 2	0.02759 L	-0.00101 L	-0.10102	0.00916	0.00212
# 3	0.02386 L	-0.00061 L	-0.09522	0.00429	0.00263
Mean	0.02524 L	-0.00105 L	-0.10359	0.01618	0.00245
%RSD	8.09328	44.04148	9.56286	102.31215	11.83439

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-4 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:02:36 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00199	0.07232	3.45352	0.00092	0.07978	0.13152 L	-0.00014	74.50812
# 2	0.00430	0.07152	4.70638 L	-0.00140	0.09214	0.13212 L	-0.00007	74.72130
# 3	0.00205	0.05907	6.80650 L	-0.00398	0.08451	0.13157 L	-0.00002	74.62801
Mean	0.00278	0.06764	4.98880 L	-0.00149	0.08548	0.13174 L	-0.00008	74.61914
%RSD	47.34256	10.98442	33.96083	164.42375	7.29702	0.25485	76.76603	0.14322

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01450	0.00715	0.00598	0.00531	0.10765	0.74368	0.01933	14.29108
# 2	0.01462	0.00588	0.00827	0.00660	0.09926	0.75656	0.01877	14.37124
# 3	0.01897	0.01225	0.00860	0.00470	0.09022	0.74749	0.01622	14.39960
Mean	0.01603	0.00843	0.00762	0.00554	0.09904	0.74924	0.01811	14.35398
%RSD	15.86995	40.03354	18.75107	17.50601	8.80290	0.88286	9.17801	0.39211

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00446	0.00789	29.32403 L	-0.01190 L	-0.56401	0.07925	0.83373	0.53101
# 2	0.00569	0.00575	29.46216	0.00144 L	-0.54740	0.08060	0.73921	0.67192
# 3	0.00580	0.00784	29.32548 L	-0.00151 L	-0.44567	0.09400	1.02075	0.86624
Mean	0.00531	0.00716	29.37056 L	-0.00399 L	-0.51903	0.08462	0.86457	0.68972
%RSD	14.00720	17.04495	0.27012	175.65140	12.34492	9.63567	16.57253	24.40390

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	22.71859	0.48338 H	56.54778	0.04442	0.33510	182.38706	0.00296	0.01264
# 2 H	22.89119	0.65565 H	56.69845	0.11711	0.33783	182.06618	0.00356	0.06835
# 3 H	22.76473	0.49297 H	56.79383	0.12026	0.33483	181.66958	0.00383	0.01937
Mean H	22.79150	0.54400 H	56.68002	0.09393	0.33592	182.04094	0.00345	0.03345
%RSD	0.39208	17.79590	0.21887	45.67722	0.49509	0.19743	12.77164	90.90711

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.01833	0.00001 L	-0.02828	0.17410	0.00166
# 2 L	-0.00244	0.00076 L	-0.00048	0.23977	0.00232
# 3	0.02161 L	-0.00033 L	-0.01958	0.30790	0.00225
Mean	0.01250	0.00015 L	-0.01612	0.24059	0.00208
%RSD	104.31349	375.85527	88.24723	27.80706	17.52970

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-5 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:07:42 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00372	13.64196	7.46295 L	-0.00542	1.89540 H	2.03207	0.00023	52.83767
# 2	0.00210	13.62036	10.88681	0.00365	1.90721 H	2.02096	0.00023	52.53344
# 3	0.00200	13.59658	13.80434	0.00269	1.92437 H	2.00354	0.00022	52.41018
Mean	0.00261	13.61963	10.71803	0.00031	1.90899 H	2.01886	0.00023	52.59376
%RSD	36.92148	0.16665	29.61421	1628.89061	0.76313	0.71238	1.71442	0.41838

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01592	0.00463	0.02771	0.07111	15.76122	78.85684	0.67327	21.43755
			0.03163	0.06926	15.83790	78.89958	0.67366	21.57336

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01592	0.00463	0.02771	0.07111	15.76122	78.85684	0.67327	21.43755
# 2	0.01828	0.02280	0.03163	0.06926	15.83790	78.89958	0.67366	21.57336
# 3	0.02251	0.01459	0.03294	0.07055	15.80932	78.80439	0.67469	21.56820
Mean	0.01923	0.01401	0.03076	0.07031	15.80281	78.85360	0.67387	21.52637
%RSD	20.18986	64.93372	8.84891	1.34676	0.24523	0.06046	0.10866	0.35753

EVOLUTION by Micro-Active Australia Pty Ltd 4:08:14 AM October 8, 1996

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Se 217.583 ppm
# 1	0.20458 L	-0.00807	Over-range	0.05314 L	-0.47991	0.11223	1.33583	1.20116
# 2	0.20379 L	-0.00497	Over-range	0.04549 L	-0.41700	0.07956	1.15944	1.64259
# 3	0.20306	0.00246	Over-range	0.03952 L	-0.39944	0.07709	1.78921	1.99139
Mean	0.20381 L	-0.00353	Over-range	0.04605 L	-0.43211	0.08963	1.42816	1.61171
%RSD	0.37399	153.49398	n/a	14.82712	9.79187	21.88388	22.74804	24.57144

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	63.57461	0.12750 H	156.60491	0.27373 H	2.02977	527.19624	0.15337	0.00144
# 2 H	63.77327	0.36433 H	156.70758	0.39516 H	2.02905	530.46264	0.15569 L	-0.00492
# 3 H	63.48444	0.52860 H	156.70454	0.49655 H	2.01408	532.68564	0.15334 L	-0.01181
Mean H	63.61077	0.34014 H	156.67234	0.38848 H	2.02430	530.11484	0.15413 L	-0.00510
%RSD	0.23231	59.28166	0.03729	28.71692	0.43765	0.52086	0.87210	129.97421

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.08630	0.02510 L	-0.06500	0.27157	0.00898
# 2	0.08705	0.02345 L	-0.06279	0.38275	0.00673
# 3	0.06943	0.02424 L	-0.06255	0.47682	0.00723
Mean	0.08093	0.02426 L	-0.06344	0.37704	0.00765
%RSD	12.31327	3.39558	2.13009	27.24990	15.45507

VOLUTION by Micro-Active Australia Pty Ltd 4:18:16 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-6 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:12:48 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00204	0.46699	2.48689 L	-0.00120	0.06498	0.28097 L	-0.00027	92.56039
# 2	*0.00003*	*0.43734*	4.95231	*0.00041*	*0.07389*	*0.28084* L	*-0.00029*	93.08642
# 3 L	-0.00032	0.46171	6.50753	0.00012	0.06994	0.28164 L	-0.00027	93.48694
Mean	0.00058	0.45535	4.64891 L	-0.00022	0.06960	0.28115 L	-0.00028	93.04458
%RSD	218.28845	3.47440	43.61056	382.01603	6.41751	0.15253	4.70175	0.49943

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01648 L	-0.00241	0.00293	0.01013	0.39409	13.27778	0.06777	10.38238
# 2	0.02280	0.00786	0.00579	0.00742	0.38394	13.30839	0.06798	10.36073
# 3	0.02349	0.01237	0.00609	0.00825	0.38453	13.28029	0.06770	10.38049
Mean	0.02092	0.00594	0.00494	0.00860	0.38752	13.28882	0.06781	10.37453
%RSD	18.47630	127.61309	35.36307	16.17463	1.47009	0.12788	0.21609	0.11561

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.02423 L	-0.01537	39.11159 L	-0.00443 L	-0.21131	0.11914	1.20722	0.92598
# 2	0.02589 L	-0.01654	39.03504	0.01937 L	-0.05971	0.00343	1.45000	1.00775
# 3	0.02464 L	-0.00823	39.08681 L	-0.00332	0.02046	0.00237	1.20480	1.11396
Mean	0.02492 L	-0.01338	39.07781	0.00387 L	-0.08352	0.04164	1.28734	1.01589
%RSD	3.46152	33.61127	0.09995	346.93679	140.93330	161.16489	10.94262	9.27789

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	40.80702	0.51294 H	100.89172	0.60659 H	1.23406	368.73456	0.00607	0.00216
# 2 H	41.08775	0.65437 H	100.86985	0.61652 H	1.24648	368.38544	0.00643 L	-0.02920
# 3 H	41.03069	0.66428 H	101.16815	0.64771 H	1.25384	369.05932	0.00621 L	-0.01590
Mean H	40.97515	0.61053 H	100.97657	0.62361 H	1.24479	368.72644	0.00624 L	-0.01431
%RSD	0.36212	13.86619	0.16466	3.44053	0.80301	0.09140	2.96734	109.97791

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.03219	0.00374 L	-0.12896 L	-0.01913	0.00394
# 2 L	-0.00819	0.00073 L	-0.16557 L	-0.00205	0.00238
# 3 L	-0.03241	0.00170 L	-0.10765 L	-0.01886	0.00338
Mean L	-0.02427	0.00206 L	-0.13406 L	-0.01335	0.00323
%RSD	57.36583	74.87279	21.85165	73.31365	24.44954

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-7 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:17:54 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00296	0.02856 L	-8.18257	0.26358	0.07134	0.72382 L	-0.00030 H	216.54041
# 2	0.00196	0.03588 L	-12.09167	0.26742	0.07416	0.72447 L	-0.00027 H	216.90289
# 3	0.00108	0.02123 L	-14.88561	0.24962	0.06613	0.72246 L	-0.00026 H	216.19292
Mean	0.00200	0.02856 L	-11.71995	0.26021	0.07054	0.72358 L	-0.00028 H	216.54541
%RSD	46.90080	25.65663	28.72833	3.60044	5.77814	0.14144	5.69769	0.16394

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00792	0.03689	0.00624	0.00142	42.18963	0.58883	0.01843	54.76773
# 2	0.00051	0.04123	0.00867	0.00405	41.87889	0.59903	0.01798	55.07708
# 3 L	-0.00591	0.04355	0.00786	0.00320	41.94438	0.59442	0.01570	55.06557
Mean	0.00084	0.04056	0.00759	0.00289	42.00430	0.59409	0.01737	54.97013
%RSD	826.50787	8.33484	16.26556	46.54884	0.38998	0.86002	8.43216	0.31904

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	13.51923 L	-0.03431	30.46428	0.02949	1.38432	0.06021 L	-0.68193 L	-0.38323
# 2 H	13.40744 L	-0.04734	30.16859	0.01176	1.29268 L	-0.01289 L	-0.73199 L	-0.63458
# 3 H	13.38047 L	-0.04899	30.19448	0.01108	1.25782	0.02996 L	-0.86815 L	-0.96618
Mean H	13.43572 L	-0.04355	30.27578	0.01744	1.31161	0.02576 L	-0.76069 L	-0.66135
%RSD	0.54761	18.47503	0.54088	59.86423	4.98168	142.57206	12.66890	44.21279

# 3	H	13.38047 L	-0.04899	30.19448	0.01108	1.25782	0.02998 L	-0.86815 L	[illegible]
Mean	H	13.43572 L	-0.04355	30.27578	0.01744	1.31161	0.02576 L	-0.76069 L	-0.66133
%RSD		0.54761	18.47503	0.54088	50.86423	4.98168	142.57206	12.66890	44.21279

		Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	H	31.07949	0.46948 H	77.18881	0.28246 H	1.10730	341.02836	0.00227 L	-0.00920
# 2	H	31.45604	0.61346 H	77.68152 L	-0.77317 H	1.10225	339.11976	0.00248	0.02887

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# 3	H	31.54374	0.41482 H	77.99866 L	-1.30077 H	1.10458	339.92068	0.00234 L	-0.00303
Mean	H	31.35976	0.49925 H	77.62300 L	-0.59716 H	1.10471	340.02293	0.00236	0.00555
%RSD		0.78651	20.55277	0.52573	134.99770	0.22898	0.28186	4.52289	368.33538

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1	0.23251	0.00071 L	-0.04666 L	-0.55050	0.00403
# 2	0.24084	0.00032 L	-0.11142 L	-0.86781	0.00365
# 3	0.21591 L	-0.00113 L	-0.07612 L	-1.09805	0.00356
Mean	0.22975 L	-0.00003 L	-0.07807 L	-0.83879	0.00375
%RSD	5.52429	2894.10064	41.53329	32.77677	6.58838

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DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10814-8 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:23:02 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00731	0.06883 L	-3.97807	0.00651	0.26461	0.81688 L	-0.00040 H	488.70702
# 2	0.00520	0.06529 L	-5.59054	0.00620	0.28394	0.81960 L	-0.00046 H	489.24024
# 3	0.00486	0.06469 L	-7.26630 L	-0.00389	0.30273	0.81549 L	-0.00043 H	487.04439
Mean	0.00579	0.06627 L	-5.61164	0.00294	0.28376	0.81732 L	-0.00043 H	488.33055
%RSD	22.91005	3.37092	29.30018	201.53134	6.71670	0.25573	7.00966	0.23454

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01619 L	-0.00609	0.00717 L	-0.00178	0.07926 H	123.55456	0.66435	0.15684
# 2	0.01364	0.00823	0.00927	0.00018	0.07323 H	123.72228	0.66887	0.15998
# 3	0.00838	0.00684	0.00689 L	-0.00226	0.07695 H	123.37778	0.66764	0.14876
Mean	0.01274	0.00299	0.00778 L	-0.00129	0.07648 H	123.55154	0.66695	0.15519
%RSD	31.23946	264.01304	16.70097	100.80982	3.98071	0.13943	0.35033	3.72923

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.01241 L	-0.01922 H	142.46374	0.01292	0.41968	0.08606 L	-0.06269 L	-0.16870
# 2	0.01291 L	-0.02245 H	144.64780 L	-0.01215	0.42755	0.13405 L	-0.34887 L	-0.52987
# 3	0.01302 L	-0.02834 H	145.48016	0.00114	0.31172	0.16298 L	-0.52400 L	-0.76703
Mean	0.01278 L	-0.02334 H	144.19723	0.00063	0.38632	0.12770 L	-0.31186 L	-0.48854
%RSD	2.54904	19.81553	1.08037	1975.50409	16.75379	30.42399	74.67284	61.67423

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	2.11424	0.10177	5.68303	0.11995	Over-range	4703.12544	0.00665	0.00452
# 2	2.18662	0.01228	5.71737	0.13502	Over-range	4743.55648	0.00672	0.00581
# 3	2.17010 L	-0.27185	5.67095 L	-0.05165	Over-range	4815.81888	0.00700 L	-0.00649
Mean	2.15699 L	-0.05260	5.69045	0.06777	Over-range	4754.16693	0.00679	0.00128
%RSD	1.75850	370.88277	0.42320	153.00521	n/a	1.20086	2.78454	528.49521

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.10096 L	-0.00125 L	-0.11546 L	-0.23317	0.00378
# 2 L	-0.16508 L	-0.00266 L	-0.07495 L	-0.32234	0.00132
# 3 L	-0.12527 L	-0.00110 L	-0.08006 L	-0.39423	0.00146
Mean L	-0.13044 L	-0.00167 L	-0.09015 L	-0.31658	0.00219
%RSD	24.81589	51.45447	24.47282	25.48633	63.21868

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-1 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:28:10 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00363	1.60343 L	-1.64858	0.00425	0.16937	0.24486 L	-0.00175 H	952.24580
# 2 L	-0.00009	1.60109 L	-2.09460	0.01651	0.14219	0.24278 L	-0.00177 H	951.36200
# 3	0.00018	1.60008 L	-2.52985	0.01750	0.15188	0.24334 L	-0.00172 H	958.62661
Mean	0.00124	1.60153 L	-2.09101	0.01275	0.15448	0.24366 L	-0.00175 H	954.07814
%RSD	167.44542	0.10718	21.07335	57.83945	8.91969	0.44081	1.41414	0.41546

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.02871	0.00154	0.04305 L	-0.01203	6.39381	17.70331	0.02633	13.70437
# 2	0.02788	0.00220	0.04567 L	-0.01508	6.42809	17.62962	0.02581	13.68287
# 3	0.02504	0.01089	0.04482 L	-0.01042	6.42047	17.71368	0.02604	13.73715
Mean	0.02721	0.00488	0.04451 L	-0.01251	6.41412	17.68220	0.02606	13.70813
%RSD	7.07644	107.11471	3.00901	18.93029	0.28066	0.25920	0.99520	0.19942

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.28929	0.02775	Over-range	0.06566	0.79694	0.10766 L	-0.18670 L	-0.08060
# 2	0.28898	0.02442	Over-range	0.03783	0.58034	0.22199	0.09775	0.02507
# 3	0.28943	0.02115	Over-range	0.05060	0.69592	0.07984	0.05261 L	-0.31102
Mean	0.28923	0.02444	Over-range	0.05136	0.69107	0.13650 L	-0.01211 L	-0.12218
%RSD	0.07939	13.51988	n/a	27.11978	15.68257	55.19196	1261.98385	140.66148

# 3	0.28943	0.02115	Over-range	0.05080	0.69592	0.07984	0.05281 L	-0.01102
Mean	0.28923	0.02444	Over-range	0.05236	0.69107	0.13650 L	-0.01211 L	-0.12218
%RSD	0.07939	13.51988	n/a	27.11978	15.68257	55.19196	1261.98385	140.66148

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	27.84703	0.73315 H	68.62473	0.51814	Over-range	2797.39456	0.19314 L	-0.00593
# 2 H	27.77517	0.82584 H	68.72558	0.57130	Over-range	2817.02336	0.19220 L	-0.01124

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# 3 H	27.80546	0.38127 H	68.92425	0.52838	Over-range	2814.95328	0.19366 L	-0.02244
Mean H	27.80922	0.64675 H	68.75819	0.53927	Over-range	2809.79040	0.19300 L	-0.01320
%RSD	0.12973	36.26447	0.22164	5.22967	n/a	0.38383	0.38321	63.85538

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.05739	0.22316 L	-0.09919	0.06519	0.06301
# 2 L	-0.07789	0.22641 L	-0.02666	0.04815	0.06048
# 3 L	-0.07926	0.22383 L	-0.07985	0.02234	0.05985
Mean L	-0.07151	0.22447 L	-0.06857	0.04523	0.06111
%RSD	17.13297	0.76416	54.77530	47.69727	2.73582

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-3 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:33:20 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00288	2.77470	1.59823	0.00467	0.51080	0.43355	0.00062 H	1045.82895
# 2 L	-0.00079	2.78290	2.45607	0.02033	0.51314	0.43415	0.00063 H	1048.07263
# 3 L	-0.00067	2.78097	3.94110	0.01376	0.53210	0.43469	0.00066 H	1048.55494
Mean	0.00047	2.77952	2.66513	0.01292	0.51868	0.43413	0.00064 H	1047.48550
%RSD	440.01645	0.15439	44.47595	60.86377	2.25173	0.13049	3.71193	0.13888

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.03216 L	-0.00779	0.01661 L	-0.01904	14.78253	28.59918	0.08441 H	529.58245
# 2	0.03567	0.00568	0.01478 L	-0.01905	14.78269	28.55340	0.08464 H	530.01703
# 3	0.03780	0.00705	0.01491 L	-0.01912	14.75812	28.64123	0.08543 H	538.95935
Mean	0.03521	0.00164	0.01543 L	-0.01907	14.77445	28.59793	0.08483 H	532.85294
%RSD	8.08731	498.96511	6.63256	0.23582	0.09571	0.15361	0.62762	0.99329

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.76712 L	-0.03057	Over-range	0.05086 L	-0.00613	0.02918	0.24900	0.14510
# 2	0.77165 L	-0.03227	Over-range	0.04762 L	-0.08457	0.06237	0.48637	0.46312
# 3	0.76959 L	-0.03172	Over-range	0.03585	0.18502	0.13871	0.72317	0.51080
Mean	0.76945 L	-0.03152	Over-range	0.04478	0.03144	0.07675	0.48618	0.37301
%RSD	0.29517	2.75704	n/a	17.64289	441.07596	73.17048	48.76421	53.29862

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	34.28696	0.38254 H	85.60947	0.52124	Over-range	5233.15744	0.16606 L	-0.01882
# 2 H	34.76706	0.24272 H	85.92660	0.55215	Over-range	5218.46112	0.16669	0.00461
# 3 H	34.94283 L	-0.30093 H	85.95455	0.58368	Over-range	5209.41248	0.16698 L	-0.00545
Mean H	34.66562	0.10811 H	85.83021	0.55236	Over-range	5220.34368	0.16658 L	-0.00655
%RSD	0.97936	333.98604	0.22332	5.65222	n/a	0.22956	0.28205	179.37633

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.06031	0.01043 L	-0.03464	0.15906	0.00595
# 2 L	-0.06961	0.01134 L	-0.07263	0.19769	0.00172
# 3 L	-0.09286	0.00887 L	-0.07605	0.22984	0.00293
Mean L	-0.07426	0.01021 L	-0.06111	0.19554	0.00353
%RSD	22.57500	12.24407	37.61461	18.11916	61.72069

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-4 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:38:28 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00264	4.63632	1.89314	0.04001	0.65043	0.14466	0.00025	Over-range
# 2	0.00266	4.63323	2.66471	0.02046	0.64412	0.14479	0.00022	Over-range
# 3	0.00046	4.63726	3.51767	0.01184	0.64501	0.14461	0.00024	Over-range
Mean	0.00192	4.63561	2.69184	0.02410	0.64652	0.14469	0.00023	Over-range
%RSD	65.87385	0.04547	30.18776	59.88324	0.52838	0.06321	5.69369	n/a

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.05859	0.01043	0.00841 L	-0.00037	59.63419	13.46021	0.11807 H	805.86258
# 2	0.06071	0.01850	0.00901	0.00052	59.35748	13.60508	0.11854 H	809.69433
# 3	0.06301	0.02259	0.00772	0.00262	59.29006	13.57196	0.11820 H	811.64614
Mean	0.06077	0.01717	0.00838	0.00092	59.42724	13.54575	0.11827 H	809.06768
%RSD	3.63934	36.03803	7.69094	166.85584	0.30687	0.56039	0.20547	0.36366

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.44001 L	-0.06710	Over-range	0.03761	0.03045 L	-0.24297	0.50686	0.14208
# 2	1.44465 L	-0.06539	Over-range	0.03499	0.10837 L	-0.14183	0.37822	0.41726
# 3	1.44362 L	-0.06550	Over-range	0.00815	0.00291 L	-0.05754	0.57954	0.64929
Mean	1.44276 L	-0.06600	Over-range	0.02691	0.04724 L	-0.14745	0.48821	0.40288
%RSD	0.16863	1.45538	n/a	60.58744	115.77877	62.96623	20.88217	63.02441

# 3	1.44362 L	-0.06550	Over-range	0.00815	0.00291 L	-0.05754	0.57954	0.64929
Mean	1.44276 L	-0.06600	Over-range	0.02491	0.04724 L	-0.14745	0.48821	0.40288
%RSD	0.16863	1.45538	n/a	60.58744	115.77877	62.96623	20.88217	63.02441

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	34.94832	0.43192 H	86.39981	0.84243	Over-range	9780.94784	0.17440	0.04573
# 2 H	35.24738	0.32981 H	87.26373	0.97645	Over-range	9802.31872	0.17491	0.06643

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# 3 H	35.26464	0.12111 H	86.84454	1.07428	Over-range	9766.05888	0.17522	0.05397
Mean H	35.15345	0.29428 H	86.83603	0.96439	Over-range	9783.10848	0.17485	0.05538
%RSD	0.50593	53.83468	0.49752	12.06914	n/a	0.18630	0.23767	18.81818

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.19178	0.01156 L	-0.09498	0.12549	0.01083
# 2	0.18381	0.01337 L	-0.11128	0.16383	0.00675
# 3	0.19917	0.01403 L	-0.10703	0.19734	0.00467
Mean	0.19158	0.01299 L	-0.10443	0.16222	0.00742
%RSD	4.01078	9.81614	8.09797	22.16378	42.25341

VOLUTION by Micro-Active Australia Pty Ltd 4:49:22 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-5 Identity 2 : 14739,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:43:36 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00319	2.93368	1.50131	0.02825	0.61159	0.13651	0.00001	Over-range
# 2	0.00276	2.93485	2.60744	0.03171	0.60143	0.13726	0.00003	Over-range
# 3	0.00421	2.96027	3.20420	0.03002	0.60351	0.13765	0.00005	Over-range
Mean	0.00339	2.94294	2.43765	0.02999	0.60551	0.13714	0.00003	Over-range
%RSD	21.99761	0.51061	35.44590	5.76555	0.88610	0.42178	61.85227	n/a

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.06584	0.01475 L	-0.01324 L	-0.02489	60.34656	13.28775	0.11611 H	817.30015
# 2	0.06768	0.03818 L	-0.00943 L	-0.02773	59.88623	13.33925	0.11731 H	828.36562
# 3	0.07238	0.03007 L	-0.00989 L	-0.02524	60.38765	13.32119	0.11846 H	822.18966
Mean	0.06863	0.02766 L	-0.01085 L	-0.02595	60.20681	13.31607	0.11729 H	822.61847
%RSD	4.92019	43.01191	19.18543	5.95346	0.46240	0.19624	1.00036	0.67409

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.35598 L	-0.07743	Over-range L	-0.00930 L	-0.27915 L	-0.03029	0.36585	0.55244
# 2	1.37418 L	-0.07585	Over-range L	-0.01296 L	-0.29154 L	-0.06325	0.45400	0.67494
# 3	1.36809 L	-0.06655	Over-range L	-0.01386 L	-0.09010	0.01491	0.63928	0.98542
Mean	1.36608 L	-0.07328	Over-range L	-0.01204 L	-0.22026 L	-0.02621	0.48638	0.73760
%RSD	0.67785	8.01990	n/a	20.06334	51.25399	149.70653	28.69330	30.25892

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	30.41117 L	-0.14720 H	75.53218	0.62011	Over-range	9942.09472	0.13166	0.05863
# 2 H	30.79476	0.21955 H	75.94774	0.63364	Over-range	9804.88576	0.13309	0.08059
# 3 H	30.66021	0.27452 H	75.84264	0.67682	Over-range	10006.59200	0.13200	0.07278
Mean H	30.62205	0.11562 H	75.77419	0.64352	Over-range	9917.85749	0.13225	0.07067
%RSD	0.63556	198.28993	0.28515	4.60259	n/a	1.03867	0.56561	15.75152

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.12155	0.00807 L	-0.11915 L	-0.00030	0.00683
# 2	0.15002	0.00981 L	-0.14029	0.03392	0.00263
# 3	0.14533	0.00828 L	-0.04991	0.06057	0.00330
Mean	0.13896	0.00872 L	-0.10312	0.03140	0.00425
%RSD	10.98509	10.88287	45.84972	97.17391	53.08260

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVH Identity 2 : 14739,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:48:44 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00244	49.62268 L	-1.02438	0.00680	0.03318	0.00418 L	-0.00017	51.64735
# 2 L	-0.00343	49.94312 L	-1.81103	0.00297	0.03833	0.00396 L	-0.00011	51.35586
# 3 L	-0.00286	49.97089 L	-2.95030 L	-0.00837	0.03183	0.00392 L	-0.00015	51.66121
Mean L	-0.00291	49.84556 L	-1.92857	0.00047	0.03445	0.00402 L	-0.00014	51.55481
%RSD	17.20236	0.38824	50.20960	1675.46008	9.95007	3.43218	20.81071	0.33447

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01143	0.01439	0.00062 L	-0.00106	49.78775	52.62855	0.01125	50.09556
# 2	0.00793	0.01225	0.00305 L	-0.00104	49.72419	52.69590	0.01118	50.27862
# 3	0.00480	0.01817	0.00313 L	-0.00292	49.81664	52.94844	0.00981	50.45931
Mean	0.00805	0.01494	0.00227 L	-0.00168	49.77619	52.75763	0.01075	50.27783
%RSD	41.16262	20.06788	62.87315	64.57824	0.09502	0.31966	7.57788	0.36175

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00152 L	-0.05266	49.90531 L	-0.00066	0.61348 L	-0.03805 L	-0.72890	0.44592
# 2	0.00244 L	-0.05523	49.86974 L	-0.01065	0.36435 L	-0.00455 L	-0.70599	0.30833
# 3	0.00221 L	-0.05829	50.64947	0.00459	0.52459 L	-0.02563 L	-0.83125 L	-0.06008
Mean	0.00206 L	-0.05540	50.14151 L	-0.00224	0.50081 L	-0.02274 L	-0.75538	0.23139
%RSD	23.32669	5.08869	0.87804	345.92236	25.21071	74.47116	8.82951	113.06738

# 3	0.00221 L	-0.05829	50.04947	0.00459	0.52459 L	-0.01363	-0.03433	
Mean	0.00206 L	-0.05540	50.14151 L	-0.00224	0.50081 L	-0.02274 L	-0.75538	0.23139
%RSD	23.32669	5.08869	0.87804	345.92236	25.21071	74.47116	8.82951	113.06738

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.10127	0.01867	0.63822 L	-0.51334	0.01597	121.04349	0.00101 L	-0.02147
# 2	0.13964	0.28938	0.62097 L	-0.50170	0.01471	120.78936	0.00021 L	-0.02845

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# 3	0.16660	0.47699	0.69087 L	-0.59232	0.01340	120.19123	0.00064 L	-0.03877
Mean	0.13583	0.26168	0.65002 L	-0.53579	0.01469	120.67469	0.00062 L	-0.02956
%RSD	24.17061	88.04977	5.60135	9.20196	8.76468	0.36258	65.05398	29.44520

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.34844	0.00194 L	-0.13052 L	-0.13157	0.00396
# 2	0.25868	0.00034 L	-0.13014 L	-0.19063	0.00256
# 3	0.24881	0.00151 L	-0.08541 L	-0.23276	0.00137
Mean	0.28531	0.00126 L	-0.11535 L	-0.18499	0.00263
%RSD	19.24009	65.59134	22.48134	27.47797	49.23766

EVOLUTION by Micro-Active Australia Pty Ltd 4:59:24 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVC Identity 2 : 14739,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:53:52 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.01774 L	-0.08774 L	-1.85020	9.41814	0.12627	0.00569	0.00292	0.35342
# 2	0.01561 L	-0.09222 L	-1.82609	9.40812	0.15634	0.00587	0.00292	0.35656
# 3	0.01504 L	-0.08728 L	-3.19141	9.33406	0.12132	0.00551	0.00293	0.37764
Mean	0.01613 L	-0.08908 L	-2.28924	9.38677	0.13464	0.00569	0.00292	0.36254
%RSD	8.80951	3.06203	34.13366	0.48925	14.07415	3.09475	0.17050	3.63393

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01214 L	-0.01256	0.00971	0.01370	0.03765	0.09965	10.16732	0.05377
# 2	0.01114 L	-0.01048	0.00992	0.01449	0.04561	0.09322	10.17989	0.04457
# 3	0.00999 L	-0.00690	0.00996	0.01315	0.03994	0.09587	10.18833	0.04617
Mean	0.01109 L	-0.00998	0.00986	0.01378	0.04106	0.09625	10.17851	0.04817
%RSD	9.67808	28.72960	1.39780	4.86085	9.97665	3.35667	0.10389	10.20659

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 L	-0.00093 L	-0.06517	0.62329 L	-0.00800	10.07019	0.09983	0.00003	0.13514
# 2 L	-0.00069 L	-0.07031	0.62018	0.01549	9.95363	0.12355	0.20744	0.14268
# 3 L	-0.00051 L	-0.06641	0.60960 L	-0.00100	10.14478	0.01494	0.03396 L	-0.11107
Mean L	-0.00071 L	-0.06729	0.61769	0.00216	10.05620	0.07944	0.08048	0.05558
%RSD	29.90986	3.98442	1.16148	557.29189	0.95800	71.88355	138.24359	259.74672

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	20.25955	0.52109 H	50.49717	10.34528	0.00791	117.87062	11.47028 L	-0.05211
# 2 H	20.51634 L	-0.05547 H	51.29487	10.16142	0.00800	117.95790	11.57063 L	-0.05192
# 3 H	21.00067 L	-0.08552 H	52.19220	10.24249	0.00846	117.43678	11.50393 L	-0.07315
Mean H	20.59219	0.12670 H	51.32808	10.24973	0.00812	117.75510	11.51495 L	-0.05906
%RSD	1.82757	269.83623	1.65213	0.89900	3.67184	0.23702	0.44356	20.66741

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	10.48134	0.00058	10.42636 L	-0.12155	9.93632
# 2	10.76098	0.00121	10.47756 L	-0.14008	9.93501
# 3	10.91048 L	-0.00084	10.41372 L	-0.19825	9.89964
Mean	10.71760	0.00032	10.41921 L	-0.15329	9.92366
%RSD	2.03251	334.26769	0.32382	26.10612	0.20969

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14739,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:59:00 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00064 L	-0.08113	11.56194	0.16852	10.28764 H	9.51045 H	9.61633	0.10232
# 2 L	-0.00006 L	-0.09101	11.71867	0.14877	10.22389 H	9.48289 H	9.56942	0.09719
# 3 L	-0.00030 L	-0.08184	12.05623	0.15585	10.26082 H	9.50865 H	9.63695	0.09365
Mean	0.00009 L	-0.08466	11.77895	0.15771	10.25745 H	9.50066 H	9.60756	0.09772
%RSD	527.00848	6.50974	2.14447	6.34456	0.31202	0.16227	0.36022	4.46095

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1 H	9.78324 H	9.88660 H	9.86103 H	9.68239	0.02811	0.03269	0.01217	0.03038
# 2 H	9.75627 H	9.76708 H	9.82336 H	9.65840	0.01333	0.03022	0.01045	0.02384
# 3 H	9.75211 H	9.81550 H	9.87797 H	9.70050	0.00845	0.03270	0.00944	0.00542
Mean H	9.76388 H	9.82306 H	9.85412 H	9.68043	0.01663	0.03187	0.01069	0.01988
%RSD	0.17310	0.61200	0.28368	0.21816	61.55344	4.49264	12.91641	65.08007

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 H	9.67553 H	9.93395	0.06077 H	9.72323	2.34797	10.09242	10.43348	9.97731
# 2 H	9.65191 H	9.91854	0.05677 H	9.93993	2.41880	10.03959	10.95713	10.02468
# 3 H	9.72255 H	9.98838	0.05753 H	9.89204	2.22624	10.33849	11.04963	9.98278
Mean H	9.68333 H	9.94696	0.05835 H	9.85173	2.33100	10.15683	10.81341	9.87492
%RSD	0.37135	0.36887	3.63971	1.15545	4.17816	1.57060	3.07270	2.22428

# 3 H	9.72255 H	9.98838	0.05753 H	9.89204	2.22624	10.33849	11.04963	9.822
Mean H	9.68333 H	9.94696	0.05835 H	9.85473	2.33100	10.15683	10.81341	9.87492
%RSD	0.37135	0.36887	3.63971	1.15545	4.17816	1.57060	3.07270	2.22428

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	10.90409	10.87343	2.88693 L	-0.31977	0.00113	115.45117	0.00717	9.97598
# 2	10.97647	10.66281	2.88139 L	-0.32051	0.00109	114.66565	0.00564	10.05369

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# 3	10.88052	10.80615	2.70286 L	-0.33722	0.00102	115.11617	0.00685	10.15087
Mean	10.92036	10.78080	2.82372 L	-0.32583	0.00108	115.07766	0.00655	10.06018
%RSD	0.45787	0.99783	3.70827	3.02817	5.18500	0.34253	12.34549	0.87099

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.00080 H	9.78422 L	-0.05160 H	9.75062	0.00427
# 2 L	-0.06797 H	9.92730 L	-0.03112 H	9.75904	0.00350
# 3 L	-0.03574 H	9.90863 L	-0.03716 H	9.81349	0.00324
Mean L	-0.03484 H	9.87338 L	-0.03996 H	9.77438	0.00381
%RSD	96.44025	0.78777	26.33529	0.34919	13.69336

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14739,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:04:08 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.07527 L	-0.04582	1.97572	0.01899	1.09899	1.04642	1.06220	0.16961
# 2	0.07464 L	-0.03324	1.91932	0.01139	1.09794	1.04919	1.05484	0.16455
# 3	0.07468 L	-0.03107	1.47125	0.01826	1.11233	1.06316	1.05830	0.16758
Mean	0.07486 L	-0.03671	1.78876	0.01622	1.10309	1.05292	1.05845	0.16725
%RSD	0.47247	21.69701	15.45309	25.86113	0.72690	0.85235	0.34800	1.52187

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	1.03390	0.98656	1.05392	0.99655	0.00688	0.05089	0.00961 L	-0.00348
# 2	1.01724	0.99010	1.05481	0.99916	0.00297	0.05278	0.00965	0.01177
# 3	1.02621	1.00339	1.05675	1.00424	0.00147	0.04498	0.00839	0.01058
Mean	1.02578	0.99335	1.05516	0.99998	0.00377	0.04955	0.00922	0.00629
%RSD	0.81256	0.89282	0.13718	0.39128	73.94134	8.20729	7.78791	134.91896

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.99816	1.06568	0.04198	1.01672	0.11129	0.98501	1.13316	1.34418
# 2	0.99790	1.06593	0.03891	0.96779	0.09455	0.94310	1.08638	1.43892
# 3	1.00052	1.06783	0.03874	1.02463	0.06027	1.04931	1.08309	1.40332
Mean	0.99886	1.06648	0.03988	1.00305	0.08870	0.99247	1.10088	1.39547
%RSD	0.14472	0.11004	4.57207	3.06931	29.31730	5.39050	2.54386	3.42944

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	1.25641	1.31659	0.54587	0.03053	0.25267	160.75965	0.00090	1.04607
# 2	1.25492	1.52162	0.60232 L	-0.03777	0.25218	160.05371	0.00116	1.04251
# 3	1.25782	1.32890	0.52719	0.02206	0.25457	159.81754	0.00079	1.08064
Mean	1.25639	1.38904	0.55846	0.00494	0.25314	160.21030	0.00095	1.05641
%RSD	0.11573	8.27804	7.00445	753.92182	0.49867	0.30596	19.63951	1.99371

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.06730	1.00761 L	-0.05388	1.03917	0.00419
# 2	0.03037	1.00990 L	-0.11518	1.05117	0.00464
# 3	0.03192	1.01093	0.01952	1.01291	0.00336
Mean	0.04320	1.00948 L	-0.04985	1.03442	0.00406
%RSD	48.35266	0.16807	135.29028	1.89202	16.00864

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14739,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:09:14 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00044 L	-0.03897	2.68280	0.00533	0.05108	0.00029	0.00046	0.03351
# 2	0.00047 L	-0.04542	3.56890 L	-0.00569	0.06527	0.00022	0.00036	0.02804
# 3 L	-0.00146 L	-0.03493	4.56652 L	-0.00261	0.05883	0.00037	0.00046	0.02975
Mean L	-0.00048 L	-0.03977	3.60608 L	-0.00099	0.05839	0.00029	0.00043	0.03043
%RSD	202.55886	13.29659	26.13398	572.12929	12.16908	25.67693	13.28214	9.19573

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00984 L	-0.00060 L	-0.00055 L	-0.00393 L	-0.01105	0.04169	0.00954	0.01466

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00984 L	-0.00060 L	-0.00055 L	-0.00393 L	-0.01105	0.04169	0.00954	0.01466
# 2	0.01173	0.00704	0.00074 L	-0.00350 L	-0.01378	0.04700	0.00810	0.01275
# 3	0.01538	0.01103 L	-0.00234 L	-0.00200 L	-0.01574	0.04489	0.00805	0.02579
Mean	0.01232	0.00582 L	-0.00072 L	-0.00314 L	-0.01352	0.04453	0.00857	0.01773
%RSD	22.84985	101.51305	215.96576	32.29991	17.43077	6.00615	9.89574	39.71313

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	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00066 L	-0.00132	0.01907	-0.00553 L	-0.65308	0.03924	0.53770	0.82158
# 2	0.00065 L	-0.00181	0.01672 L	-0.00008 L	-0.46740	0.06736	1.16544	0.95585
# 3	0.00038	0.00064	0.02795 L	-0.01596 L	-0.44451	0.01451	1.14118	0.78356
Mean	0.00056 L	-0.00083	0.02125 L	-0.00351 L	-0.52166	0.04037	0.94810	0.85366
%RSD	28.32231	155.92692	27.85980	317.92580	21.92700	65.50091	37.50965	10.60309

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.12479 L	-0.17581	0.02213	0.25839	0.00044	115.30741 L	-0.00035	0.00955
# 2	0.16413	-0.07221	0.04112	0.14206	0.00042	115.15724	0.00038 L	-0.01876
# 3	0.12629 L	-0.19227	0.04935	0.19896	0.00048	114.81454	0.00083 L	-0.04166
Mean	0.13840 L	-0.09862	0.03753	0.19980	0.00045	115.09306	0.00029 L	-0.01696
%RSD	16.10751	150.24257	37.19333	29.11269	6.76481	0.21950	209.18507	151.29091

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.02329 L	-0.00153 L	-0.09104	0.03665	0.00319
# 2 L	-0.06407 L	-0.00207 L	-0.05443	0.09852	0.00060
# 3 L	-0.07067	0.00159 L	-0.07919	0.20890	0.00334
Mean L	-0.05268 L	-0.00067 L	-0.07489	0.11469	0.00238
%RSD	48.71570	295.33849	24.94535	76.07844	64.88490

EVOLUTION by Micro-Active Australia Pty Ltd 5:19:32 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : PBW:14751 Identity 2 : 14751,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 5:14:22 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	L -0.00090	L -0.04206	0.55494	L -0.00572	0.09879	0.00000	0.00000	0.04947
# 2	L -0.00109	L -0.03923	0.94073	0.00319	0.10097	L -0.00013	0.00012	0.05070
# 3	L -0.00225	L -0.04157	0.87442	0.00289	0.09931	L -0.00013	0.00011	0.05482
Mean	L -0.00141	L -0.04095	0.79003	0.00012	0.09969	L -0.00009	0.00007	0.05166
%RSD	51.46838	3.69411	26.10956	4189.32681	1.13922	89.71249	85.42854	5.42427

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00834	0.00116	0.00467	L -0.00028	0.00346	0.02861	0.01043	0.02877
# 2	0.01077	0.01458	0.00483	L -0.00020	0.00235	0.02812	0.00840	0.02528
# 3	0.01583	0.00990	0.00252	L -0.00129	0.00097	0.02872	0.00748	0.03429
Mean	0.01165	0.00854	0.00401	L -0.00059	0.00226	0.02848	0.00877	0.02945
%RSD	32.77160	79.70874	32.19506	103.43811	55.14730	1.11280	17.22803	15.42675

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00040 L	-0.00860	0.09078	0.00003 L	-0.22913	0.04290	0.54108	0.57869
# 2	0.00108 L	-0.00920	0.08860 L	-0.00234 L	-0.12219	0.06113	0.19198	0.62545
# 3	0.00077 L	-0.00699	0.08394 L	-0.00512 L	-0.17398	0.05452	0.60168	0.72412
Mean	0.00075 L	-0.00826	0.08777 L	-0.00248 L	-0.17510	0.05285	0.44491	0.64275
%RSD	45.08567	13.84404	3.98036	104.17032	30.54289	17.46090	49.70227	11.55115

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.29537	0.27915	0.49486	0.14486	0.00048	115.30741 L	-0.00002 L	-0.01552
# 2	0.27947	0.44663	0.53303	0.09092	0.00055	115.03017 L	-0.00006	0.00930
# 3	0.24497	0.25950	0.52872	0.15176	0.00063	115.00194 L	-0.00016 L	-0.02467
Mean	0.27327	0.32842	0.51887	0.12918	0.00055	115.11317 L	-0.00008 L	-0.01030
%RSD	9.42815	31.31170	4.02876	25.78894	13.91036	0.14664	85.81308	170.70625

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	L -0.01439	L -0.00180 L	-0.09802 L	-0.04809	0.00129
# 2	L -0.03915	L -0.00366 L	-0.11573 L	-0.04665	0.00168
# 3	L -0.03879	L -0.00215 L	-0.11394 L	-0.05104	0.00228
Mean	L -0.03078	L -0.00254 L	-0.10923 L	-0.04859	0.00175
%RSD	46.10852	38.91449	8.92834	4.61529	28.38798

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCSW:14751 Identity 2 : 14751,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 5:19:28 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	L -0.00064	0.04802	L -2.36560	0.01745	0.11501	0.00047	L -0.00005	0.05603
# 2	L -0.00091	0.04530	L -2.76043	L -0.00056	0.10464	0.00029	L -0.00004	0.05705
# 3	L -0.00119	0.03737	L -5.32832	0.01449	0.09917	0.00033	L -0.00001	0.05755
Mean	L -0.00092	0.04356	L -3.48478	0.01046	0.10627	0.00036	L -0.00003	0.05688
%RSD	30.16223	12.70001	46.16386	92.35556	7.57364	26.99839	57.51527	1.36419

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00363	0.00665	L -0.00081	0.00288	0.00412	0.00897	0.00965	L -0.03689
# 2	0.00132	0.01442	L -0.00134	0.00188	0.00376	0.00735	0.00927	L -0.04168
# 3	L -0.00400	0.00802	0.00079	0.00411	L -0.00197	0.01697	0.00712	L -0.05630
Mean	0.00031	0.00970	L -0.00045	0.00296	0.00197	0.01110	0.00868	L -0.04496
%RSD	1245.28521	42.79647	245.65891	37.73114	173.69469	46.40282	15.75530	22.49494

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	L -0.00647	H 9.40180	0.10172	L -0.01209	2.04184	0.03741	10.86066	10.02589
# 2	L -0.00597	H 9.43723	0.10098	L -0.00623	1.95884	0.02336	10.54063	9.57872
# 3	L -0.00619	H 9.41231	0.10005	L -0.01390	1.68559	0.05767	10.66549	9.15087
Mean	L -0.00621	H 9.41711	0.10092	L -0.01074	1.89542	0.03948	10.68893	9.58516
%RSD	4.10122	0.19324	0.83116	37.33093	9.83414	43.69055	1.50899	4.56483

# 3	L	-0.00619	H	9.41231	0.10005	L	-0.01390	1.68559	0.05767	10.66549	9.15067
Mean	L	-0.00621	H	9.41711	0.10092	L	-0.01074	1.89542	0.03948	10.68893	9.58516
%RSD		4.10122		0.19324	0.83116		37.33093	9.83414	43.69055	1.50899	4.56483

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	7.58737	L -0.18939	3.45086	8.17272	0.00059	115.75665	0.00074	0.03661
# 2	7.63623	0.05894	3.43323	8.57567	0.00062	115.30741	0.00096	0.00650

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# 3	7.62257	0.19621	3.43734	8.52994	0.00064	115.35747	0.00093	0.02261
Mean	7.61539	0.02192	3.44048	8.42611	0.00061	115.47384	0.00088	0.02190
%RSD	0.33100	891.50979	0.26806	2.61845	3.63872	0.21320	13.98191	68.77562

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1	L -0.05588	L -0.00285	L -0.06002	L -0.16013	0.00323
# 2	L -0.11531	L -0.00302	L -0.05053	L -0.20291	0.00141
# 3	L -0.06129	L -0.00146	L -0.03060	L -0.25202	0.00332
Mean	L -0.07749	L -0.00244	L -0.04705	L -0.20502	0.00265
%RSD	42.40382	34.87369	31.91929	22.42606	40.49563

EVOLUTION by Micro-Active Australia Pty Ltd 5:30:32 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-5 Identity 2 : 14751,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 5:24:38 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00742	3.32082 L	-0.82755	0.03054	0.67661	0.14047	0.00004	Over-range
# 2	0.00376	3.34672 L	-1.51331	0.02990	0.69309	0.14072 L	-0.00003	Over-range
# 3	0.00473	3.34296 L	-2.20353	0.02404	0.70376	0.14109	0.00009	Over-range
Mean	0.00530	3.33683 L	-1.51480	0.02816	0.69115	0.14076	0.00003	Over-range
%RSD	35.76598	0.41932	45.41798	12.71519	1.97906	0.22306	190.68101	n/a

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.05233	0.01589	0.00114 L	-0.01782	61.84152	13.49168	0.11720 H	825.31625
# 2	0.04834	0.01822	0.00544 L	-0.02239	61.91150	13.52610	0.11777 H	827.89639
# 3	0.04632	0.02347	0.00286 L	-0.01966	61.76448	13.51322	0.11880 H	820.64765
Mean	0.04900	0.01919	0.00315 L	-0.01995	61.83917	13.51034	0.11792 H	824.62010
%RSD	6.23486	20.21378	68.70784	11.51229	0.11892	0.12871	0.68918	0.44556

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.39088 L	-0.05892	Over-range	0.03432	0.35678 L	-0.02080 L	-0.30316	0.26126
# 2	1.39456 L	-0.06049	Over-range	0.03696	0.28700 L	-0.01060 L	-0.11083	0.03889
# 3	1.40045 L	-0.06417	Over-range	0.04143	0.23105 L	-0.01743 L	-0.32287 L	-0.09780
Mean	1.39530 L	-0.06120	Over-range	0.03757	0.29161 L	-0.01628 L	-0.24562	0.06745
%RSD	0.34569	4.40367	n/a	9.56486	21.60045	31.91260	47.69607	268.67152

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	31.44998	0.10673 H	78.14490	0.77003	Over-range	9977.00672	0.16033	0.00383
# 2 H	31.82124	0.05016 H	78.34538	0.70783	Over-range	9976.23680	0.16192	0.00757
# 3 H	31.73635 L	-0.29949 H	78.25304	0.74046	Over-range	9999.59680	0.16207	0.00078
Mean H	31.66919 L	-0.04754 H	78.24777	0.73944	Over-range	9984.28011	0.16144	0.00406
%RSD	0.61426	462.84850	0.12824	4.20744	n/a	0.13291	0.59667	83.86540

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.14090	0.01005 L	-0.00656 L	-0.03448	0.00802
# 2	0.21378	0.00973 L	-0.03146 L	-0.04689	0.00371
# 3	0.19806	0.00966	0.00411 L	-0.06172	0.00323
Mean	0.18425	0.00981 L	-0.01130 L	-0.04770	0.00499
%RSD	20.81766	2.11756	161.49971	28.59005	52.91442

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-5D Identity 2 : 14751,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 5:29:44 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00321	3.23470	1.76673	0.02066	0.63265	0.14093	0.00023	Over-range
# 2	0.00267	3.25199	2.12926	0.02873	0.65866	0.14278	0.00020	Over-range
# 3	0.00209	3.27350	2.30948	0.02505	0.66087	0.14285	0.00019	Over-range
Mean	0.00265	3.25340	2.06849	0.02481	0.65072	0.14219	0.00021	Over-range
%RSD	21.11657	0.59749	13.36270	16.26870	2.41181	0.76424	9.11841	n/a

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.05736	0.00952 L	-0.01277 L	-0.02605	62.69081	13.72686	0.11689 H	834.21071
# 2	0.05808	0.01300 L	-0.01049 L	-0.02547	62.53030	13.72289	0.11699 H	839.04585
# 3	0.05675	0.02322 L	-0.00825 L	-0.02394	62.26707	13.77779	0.11909 H	837.49745
Mean	0.05739	0.01525 L	-0.01050 L	-0.02515	62.49606	13.74251	0.11766 H	836.91800
%RSD	1.15775	46.68647	21.55271	4.34202	0.34231	0.22280	1.05622	0.29502

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.40396 L	-0.06369	Over-range	0.05235 L	-0.30001 L	-0.07660	0.46105	0.21239
# 2	1.41735 L	-0.06255	Over-range	0.02678 L	-0.06509 L	-0.01252	0.40712	0.41967
# 3	1.41174 L	-0.06143	Over-range	0.02075 L	-0.16860	0.06010	0.48908	0.65865
Mean	1.41102 L	-0.06256	Over-range	0.03329 L	-0.17790 L	-0.00967	0.45242	0.43024
%RSD	0.47679	1.80570	n/a	50.39567	66.18027	707.11339	9.20743	51.90597

# 3	1.41174 L	-0.06143	Over-range	0.02075 L	-0.16850	0.06010	0.46906		
Mean	1.41102 L	-0.06256	Over-range	0.03829 L	-0.17790 L	-0.00967	0.45242	0.43024	
%RSD	0.47679	1.80570	n/a	80.39567	66.18027	707.11339	9.20743	51.90597	

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	31.66210	0.09043 H	78.36582	1.04913	Over-range	10168.31616	0.15071 L	-0.02593
# 2 H	31.79419	0.49329 H	78.48186	1.04539	Over-range	10203.35680	0.15212 L	-0.02571

EVOLUTION by Micro-Active Australia Pty Ltd 5:30:34 AM October 8, 1996

# 3 H	32.05626	0.39293 H	78.52195	1.02835	Over-range	10107.99104	0.15071 L	-0.00171
Mean H	31.83751	0.32555 H	78.45654	1.04096	Over-range	10159.88600	0.15118 L	-0.01776
%RSD	0.63014	64.41865	0.10335	1.06426	n/a	0.47479	0.54008	78.28155

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.22237	0.01092 L	-0.09197	0.15242	0.00861
# 2	0.23225	0.01187 L	-0.09650	0.17939	0.00569
# 3	0.22392	0.01067 L	-0.06034	0.20147	0.00487
Mean	0.22618	0.01115 L	-0.08294	0.17776	0.00639
%RSD	2.34766	5.66952	23.75574	13.81757	30.80521

EVOLUTION by Micro-Active Australia Pty Ltd 5:40:34 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-5MS Identity 2 : 14751,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 5:34:50 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00474	5.08468	7.20375	0.01779	0.72250	0.14891	0.00008	Over-range
# 2	0.00330	5.11113	10.99230	0.02094	0.71555	0.14862	0.00015	Over-range
# 3	0.00438	5.14146	12.64998	0.02569	0.72191	0.14910	0.00015	Over-range
Mean	0.00414	5.11242	10.28201	0.02147	0.71999	0.14887	0.00013	Over-range
%RSD	18.04275	0.55571	27.15160	18.52074	0.53495	0.16307	33.65755	n/a

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.06493	0.02723 L	-0.00821 L	-0.01771	62.98961	14.78521	0.11962 H	848.63222
# 2	0.07110	0.02786 L	-0.00462 L	-0.01696	62.97613	14.70998	0.12027 H	839.52698
# 3	0.07172	0.02927 L	-0.00483 L	-0.01747	63.13407	14.79630	0.12055 H	841.72636
Mean	0.06925	0.02812 L	-0.00589 L	-0.01738	63.03327	14.76383	0.12015 H	843.29519
%RSD	5.41773	3.71517	34.28046	2.21027	0.13890	0.31811	0.39728	0.56339

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.41382 H	8.43877	Over-range	0.02011 L	-0.18055	0.07850	10.81175	9.08087
# 2	1.41421 H	8.45813	Over-range	0.01629	0.08751 L	-0.06462	11.28328	10.17344
# 3	1.41684 H	8.52717	Over-range	0.02685	0.27958 L	-0.00268	12.27021	10.53219
Mean	1.41495 H	8.47469	Over-range	0.02108	0.06218	0.00374	11.45508	9.92883
%RSD	0.11596	0.54837	n/a	25.36129	371.67564	1920.78196	6.49713	7.61368

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	44.77591	0.76192 H	97.42530	8.03911	Over-range	10165.42784	0.16825	0.10604
# 2 H	44.54625	0.55897 H	96.99091	8.06972	Over-range	10194.43584	0.16759	0.09613
# 3 H	44.86925	0.46037 H	97.33903	8.32374	Over-range	10169.92128	0.16958	0.09031
Mean H	44.73047	0.59375 H	97.25175	8.14419	Over-range	10176.59499	0.16847	0.09749
%RSD	0.37162	25.89531	0.23647	1.91855	n/a	0.15342	0.60121	8.15753

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.22069	0.01652 L	-0.04545	0.33034	0.01308
# 2	0.24801	0.01680 L	-0.01378	0.49036	0.00888
# 3	0.25890	0.01825 L	-0.03340	0.67594	0.01023
Mean	0.24254	0.01719 L	-0.03087	0.49888	0.01073
%RSD	8.11703	5.40507	51.77472	34.66909	19.99900

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-5MD Identity 2 : 14751,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 5:39:56 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00553	5.29719	3.38505	0.02150	0.67905	0.15087	0.00004	Over-range
# 2	0.00336	5.29849	7.11934	0.01370	0.70755	0.15109	0.00008	Over-range
# 3	0.00227	5.28137	9.45516	0.02302	0.70897	0.15187	0.00012	Over-range
Mean	0.00372	5.29235	6.65318	0.01941	0.69853	0.15128	0.00008	Over-range
%RSD	44.62993	0.18009	46.01989	25.74939	2.41646	0.34625	47.17986	n/a

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.06850	0.01071	0.00014 L	-0.02026	63.98112	14.97362	0.12137 H	852.65421
# 2	0.07186	0.01962 L	-0.00133 L	-0.02084	63.57343	14.97273	0.12245 H	849.80820
# 3	0.08383	0.01418	0.00150 L	-0.02069	64.29699	15.03517	0.12229 H	864.28834
Mean	0.07473	0.01483	0.00010 L	-0.02060	63.95052	14.99384	0.12204 H	855.58358
%RSD	10.77972	30.27505	1378.26876	1.46478	0.56724	0.23871	0.47656	0.89666

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.43121 H	8.74175	Over-range	0.05207	0.06525	0.04680	10.49119	9.65898
# 2	1.43656 H	8.73720	Over-range	0.03206	0.18938	0.05282	10.72249	10.55995
# 3	1.43588 H	8.76574	Over-range	0.04170	0.21107	0.07062	10.75025	11.19691
Mean	1.43455 H	8.74823	Over-range	0.04194	0.15523	0.05675	10.65464	10.47195
%RSD	0.30284	0.17526	n/a	23.86588	50.68435	21.82989	1.33483	7.37904

Mean	0.07473	0.01483	10.00010 L	50.02060	63.95052	16.99384	0.71220 H	8.99136
%RSD	10.77972	30.27505	1378.26876	1.46478	0.56724	0.23871	0.47656	0.89666

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.43121 H	8.74175	Over-range	0.05207	0.06525	0.04680	10.49119	9.65898
# 2	1.43656 H	8.73720	Over-range	0.03206	0.18938	0.05282	10.72249	10.55995
# 3	1.43588 H	8.76574	Over-range	0.04170	0.21107	0.07062	10.75025	11.19691
Mean	1.43455 H	8.74823	Over-range	0.04194	0.15523	0.05675	10.65464	10.47195
%RSD	0.20294	0.17526	n/a	23.86588	50.68435	21.82989	1.33493	7.37904

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	45.72610	0.15435 H	99.32029	7.98614	Over-range	10152.40128	0.18111 L	-0.01064
# 2 H	45.76133	0.34579 H	99.50437	8.25007	Over-range	10182.04992	0.17997	0.00760

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# 3 H	45.95330	0.60851 H	99.92783	8.35313	Over-range	10134.68800	0.18135	0.04236
Mean H	45.81358	0.36955 H	99.58416	8.19645	Over-range	10156.37973	0.18081	0.01311
%RSD	0.26691	61.69976	0.31283	2.30927	n/a	0.23562	0.40915	205.44253

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.23628	0.01565 L	-0.09000	0.29195	0.01100
# 2	0.26621	0.01477 L	-0.14191	0.37172	0.00763
# 3	0.28348	0.01596 L	-0.10434	0.50316	0.00851
Mean	0.26199	0.01546 L	-0.11208	0.38894	0.00905
%RSD	9.11597	3.98090	23.91805	27.42177	19.33388

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-5L Identity 2 : 14751,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 5:45:04 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00482	0.90123	1.25418	0.01313	0.18962	0.04018 L	-0.00045 H	570.42705
# 2	0.00065	0.91113 L	-1.39207	0.01333	0.19737	0.03987 L	-0.00043 H	570.18739
# 3	0.00071	0.91239 L	-1.85021	0.00909	0.20072	0.04007 L	-0.00040 H	566.36787
Mean	0.00206	0.90825 L	-0.66270	0.01185	0.19590	0.04004 L	-0.00043 H	568.99411
%RSD	116.09345	0.67269	252.87441	20.17461	2.90790	0.40260	6.78508	0.40028

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01756 L	-0.00757	0.01207 L	-0.00796	15.37674	3.00561	0.04997 H	197.06127
# 2	0.01145	0.00704	0.01220 L	-0.01095	15.26312	2.99443	0.05010 H	195.95622
# 3	0.00873	0.00389	0.01192 L	-0.01026	15.41006	3.00739	0.05004 H	197.99499
Mean	0.01258	0.00112	0.01207 L	-0.00972	15.34997	3.00248	0.05004 H	197.00416
%RSD	35.94564	686.04869	1.16194	16.11535	0.50190	0.23390	0.13226	0.51805

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.34082	0.03547	Over-range	0.00454	1.50030 L	-0.01773 L	-1.30198	0.94620
# 2	0.34166	0.06117	Over-range L	-0.00311	1.50737	0.03568 L	-0.77153	0.73227
# 3	0.34013	0.07092	Over-range	0.01437	1.22572	0.02549 L	-1.01209	0.56149
Mean	0.34087	0.05585	Over-range	0.00527	1.41113	0.01448 L	-1.02853	0.74665
%RSD	0.22387	32.78195	n/a	166.42303	11.38148	195.85374	25.82371	25.81621

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	7.72152	0.15962	19.20722	0.54940	Over-range	2766.01888	0.04404	0.01286
# 2	7.74980	0.24240	19.26853	0.57278	Over-range	2752.30720	0.04397 L	-0.00250
# 3	7.82249	0.46596	19.34222	0.59244	Over-range	2806.85856	0.04537	0.04406
Mean	7.76460	0.28933	19.27266	0.57154	Over-range	2775.06155	0.04446	0.01814
%RSD	0.67084	54.77241	0.35073	3.77026	n/a	1.02259	1.77272	130.78477

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.00930	0.00266 L	-0.14485 L	-0.09784	0.00620
# 2	0.01527	0.00085 L	-0.19676 L	-0.19211	0.00216
# 3	0.03640	0.00160 L	-0.15452 L	-0.29152	0.00341
Mean	0.02032	0.00170 L	-0.16538 L	-0.19382	0.00393
%RSD	70.05763	53.35242	16.69253	49.97088	52.78321

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-4 Identity 2 : 14751,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 5:50:12 AM October 8, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
# 1	0.00181	0.88487 L	-0.08144	0.01814	0.18888	0.04071	0.00017	Over-range
# 2	0.00096	0.89558 L	-0.20841	0.01676	0.18014	0.19994	0.00027	Over-range

# 2	1.43556 H	8.73720	Over-range	0.03208	0.18938	0.05182	10.72249	10.53955
# 3	1.43588 H	8.76574	Over-range	0.04170	0.21107	0.07062	10.75025	11.19691
Mean	1.43455 H	8.74823	Over-range	0.04194	0.15523	0.05675	10.65464	10.47195
%RSD	0.20294	0.17526	n/a	23.86588	50.68435	21.82589	1.33493	7.37504

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Tl 336.121 ppm	Tl 351.921 ppm
# 1 H	45.72610	0.15435 H	99.32029	7.98614	Over-range	10152.40128	0.18111 L	-0.01064
# 2 H	45.76133	0.34579 H	99.50437	8.25007	Over-range	10182.04992	0.17997	0.00760

EVOLUTION by Micro-Active Australia Pty Ltd 5:50:38 AM October 8, 1996

# 3 H	45.95330	0.60851 H	99.92783	8.35313	Over-range	10134.68800	0.18135	0.04236
Mean H	45.81358	0.36955 H	99.58416	8.19645	Over-range	10156.37973	0.18081	0.01311
%RSD	0.26691	61.69976	0.31283	2.30927	n/a	0.23562	0.40915	205.44253

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.23628	0.01565 L	-0.09000	0.29195	0.01100
# 2	0.26621	0.01477 L	-0.14191	0.37172	0.00763
# 3	0.28348	0.01596 L	-0.10434	0.50316	0.00851
Mean	0.26199	0.01546 L	-0.11208	0.38894	0.00905
%RSD	9.11597	3.98090	23.91805	27.42177	19.33388

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-5L Identity 2 : 14751,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 5:45:04 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00482	0.90123	1.25418	0.01313	0.18962	0.04018 L	-0.00045 H	570.42705
# 2	0.00065	0.91113 L	-1.39207	0.01333	0.19737	0.03987 L	-0.00043 H	570.18739
# 3	0.00071	0.91239 L	-1.85021	0.00909	0.20072	0.04007 L	-0.00040 H	566.36787
Mean	0.00206	0.90825 L	-0.66270	0.01185	0.19590	0.04004 L	-0.00043 H	568.99411
%RSD	116.09345	0.67269	252.87441	20.17461	2.90790	0.40260	6.78508	0.40028

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01756 L	-0.00757	0.01207 L	-0.00796	15.37674	3.00561	0.04997 H	197.06127
# 2	0.01145	0.00704	0.01220 L	-0.01095	15.26312	2.99443	0.05010 H	195.95622
# 3	0.00873	0.00389	0.01192 L	-0.01026	15.41006	3.00739	0.05004 H	197.99499
Mean	0.01258	0.00112	0.01207 L	-0.00972	15.34997	3.00248	0.05004 H	197.00416
%RSD	35.94564	686.04869	1.16194	16.11535	0.50190	0.23390	0.13226	0.51805

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.34082	0.03547	Over-range	0.00454	1.50030 L	-0.01773 L	-1.30198	0.94620
# 2	0.34166	0.06117	Over-range L	-0.00311	1.50737	0.03568 L	-0.77153	0.73227
# 3	0.34013	0.07092	Over-range	0.01437	1.22572	0.02549 L	-1.01209	0.56149
Mean	0.34087	0.05585	Over-range	0.00527	1.41113	0.01448 L	-1.02853	0.74665
%RSD	0.22387	32.78195	n/a	166.42303	11.38148	195.85374	25.82371	25.81621

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Tl 336.121 ppm	Tl 351.921 ppm
# 1	7.72152	0.15962	19.20722	0.54940	Over-range	2766.01888	0.04404	0.01286
# 2	7.74980	0.24240	19.26853	0.57278	Over-range	2752.30720	0.04397 L	-0.00250
# 3	7.82249	0.46596	19.34222	0.59244	Over-range	2806.85856	0.04537	0.04406
Mean	7.76460	0.28933	19.27266	0.57154	Over-range	2775.06155	0.04446	0.01814
%RSD	0.67084	54.77241	0.35073	3.77026	n/a	1.02259	1.77272	130.78477

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.00930	0.00266 L	-0.14485 L	-0.09784	0.00620
# 2	0.01527	0.00085 L	-0.19676 L	-0.19211	0.00216
# 3	0.03640	0.00160 L	-0.15452 L	-0.29152	0.00341
Mean	0.02032	0.00170 L	-0.16538 L	-0.19382	0.00393
%RSD	70.05763	53.35242	16.69253	49.97088	52.78321

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-4 Identity 2 : 14751,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 5:50:12 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00183	6.62487 L	-4.05342	0.01636	0.66996	0.15971	0.00027	Over-range
# 2	0.00096	6.65558 L	-6.20841	0.01676	0.68014	0.15994	0.00027	Over-range
# 3	0.00228	6.67794 L	-9.41527	0.02444	0.68916	0.16083	0.00030	Over-range
Mean	0.00169	6.65280 L	-6.55903	0.01918	0.67975	0.16016	0.00028	Over-range
%RSD	39.64626	0.40050	41.13508	23.73623	1.41315	0.36893	5.28142	n/a

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	[illegible]	[illegible]	0.02304	0.04302	67.18161	14.67448	0.12606 H	849.78200

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.05596	0.02513	0.02304	0.04302	67.18161	14.67448	0.12606 H	849.78200
# 2	0.04723	0.02828	0.02610	0.04500	66.90361	14.78534	0.12609 H	851.16257
# 3	0.04070	0.02836	0.02629	0.04492	66.74888	14.69206	0.12725 H	848.48073
Mean	0.04796	0.02726	0.02514	0.04432	66.94470	14.71730	0.12647 H	849.80843
%RSD	15.96762	6.74782	7.25298	2.52487	0.32754	0.40486	0.53930	0.15781

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	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.54531 L	-0.08134	Over-range	0.06203	1.29484 L	-0.05934 L	-0.33930 L	-0.26073
# 2	1.54579 L	-0.08277	Over-range	0.05603	0.84909	0.11780 L	-0.63969 L	-0.77277
# 3	1.54895 L	-0.07842	Over-range	0.05592	0.79728	0.01385 L	-0.35380 L	-1.19157
Mean	1.54668 L	-0.08085	Over-range	0.05799	0.98040	0.02410 L	-0.44427 L	-0.74169
%RSD	0.12776	2.74360	n/a	6.02689	27.90099	369.31894	38.13023	62.85611

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	45.37155	0.18886 H	112.10597	0.35774	Over-range	10019.94112	0.24799	0.03994
# 2 H	45.43954	0.74466 H	111.90486	0.20538	Over-range	10155.48096	0.24625	0.05300
# 3 H	45.07145	0.32406 H	111.02029	0.04752	Over-range	10178.07104	0.24664	0.02975
Mean H	45.29418	0.41919 H	111.67704	0.20355	Over-range	10117.83104	0.24696	0.04090
%RSD	0.43243	69.14554	0.51719	76.20856	n/a	0.84528	0.36966	28.49456

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.19470	0.02149 L	-0.14019 L	-0.35979	0.01126
# 2	0.15697	0.02160 L	-0.09847 L	-0.51619	0.00719
# 3	0.20537	0.02413 L	-0.09722 L	-0.70981	0.00919
Mean	0.18568	0.02240 L	-0.11196 L	-0.52860	0.00921
%RSD	13.69460	6.66174	21.84287	33.17050	22.05655

EVOLUTION by Micro-Active Australia Pty Ltd 6:00:40 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-3 Identity 2 : 14751,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 5:55:20 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00072	3.13676 L	-1.74773	0.02251	0.53493	0.44776	0.00059 H	1065.33106
# 2 L	-0.00109	3.14423 L	-2.56143	0.03306	0.52573	0.44632	0.00059 H	1063.47062
# 3 L	-0.00058	3.16113 L	-3.59077	0.02681	0.52302	0.44657	0.00067 H	1060.13346
Mean L	-0.00032	3.14737 L	-2.63331	0.02746	0.52789	0.44688	0.00061 H	1062.97838
%RSD	291.69513	0.39673	35.07441	19.31821	1.18271	0.17187	7.45183	0.24775

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.03317 L	-0.00036	0.03968 L	-0.01462	16.26084	29.28737	0.08593 H	541.33770
# 2	0.03202	0.00183	0.04085 L	-0.01337	16.21796	29.09949	0.08631 H	547.37706
# 3	0.03119	0.01638	0.04004 L	-0.01482	16.22799	29.38118	0.08672 H	546.51786
Mean	0.03213	0.00595	0.04019 L	-0.01427	16.23560	29.25602	0.08632 H	545.07754
%RSD	3.09858	152.85488	1.48884	5.53261	0.13814	0.49029	0.45775	0.59939

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.80314 L	-0.05061	Over-range	0.05343	0.32685 L	-0.10340	0.23238	0.08717
# 2	0.80146 L	-0.05420	Over-range	0.04163	0.31004	0.00617 L	-0.00596 L	-0.04982
# 3	0.80248 L	-0.05594	Over-range	0.05813	0.27022 L	-0.02773 L	-0.05999 L	-0.13400
Mean	0.80236 L	-0.05358	Over-range	0.05107	0.30237 L	-0.04165	0.05548 L	-0.03222
%RSD	0.10522	5.07093	n/a	16.64814	9.61780	134.67612	280.41158	346.47263

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1 H	36.18907	0.67898 H	89.67265	0.66422	Over-range	5300.09344	0.21473	0.06583
# 2 H	36.15033	0.88928 H	89.70181	0.55909	Over-range	5329.42208	0.21378	0.05177
# 3 H	36.62726	0.38462 H	90.23887	0.50829	Over-range	5334.49216	0.21398	0.06152
Mean H	36.32222	0.65096 H	89.87111	0.57720	Over-range	5321.33589	0.21416	0.05971
%RSD	0.72926	38.94136	0.35476	13.77830	n/a	0.34898	0.23394	12.06566

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.10459	0.01370 L	-0.08800 L	-0.06231	0.00793
# 2 L	-0.08143	0.01234 L	-0.05564 L	-0.14216	0.00403
# 3 L	-0.07891	0.01143 L	-0.04452 L	-0.20909	0.00437
Mean L	-0.08831	0.01249 L	-0.06272 L	-0.13785	0.00544
%RSD	16.02918	9.15249	36.01736	53.30696	39.63588

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-1 Identity 2 : 14751,GGD Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 6:00:28 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00102	1.53495	1.14654 L	-0.01540	0.15684	0.24125 L	-0.00184 H	921.03941
# 2	0.00130	1.54408	0.87980 L	-0.00918	0.15584	0.24179 L	-0.00185 H	927.57009
# 3	0.00023	1.55902	1.16770	0.00365	0.16955	0.24095 L	-0.00186 H	923.00759
Mean	0.00085	1.54602	1.06468 L	-0.00697	0.16074	0.24133 L	-0.00185 H	923.87236
%RSD	65.48813	0.78592	15.07115	139.30278	4.75525	0.17765	0.63292	0.36262

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.02696	0.00690	0.04922 L	-0.00682	6.80185	17.36279	0.02429	13.83490
# 2	0.02919	0.02285	0.04836 L	-0.00834	6.82426	17.45680	0.02445	13.90806
# 3	0.03040	0.01256	0.05023 L	-0.00526	6.87035	17.50045	0.02550	14.02189
Mean	0.02885	0.01410	0.04927 L	-0.00681	6.83215	17.44001	0.02474	13.92162
%RSD	6.04753	57.31554	1.89792	22.61792	0.51115	0.40339	2.64742	0.67687

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.28963	0.01935	Over-range	0.05741	0.51296	0.01912	0.20416	0.15747
# 2	0.29036	0.01856	Over-range	0.02871	0.42376 L	-0.01790	0.10509	0.22536
# 3	0.28989	0.02030	Over-range	0.04040	0.47806	0.07021	0.12945	0.1441
Mean	0.28996	0.01940	Over-range	0.04217	0.47159	0.02381	0.14623	0.17567
%RSD	0.12737	4.49618	n/a	34.22365	9.53128	185.80459	35.30143	24.78308

# 3	0.28989	0.02030	Over-range	0.04040	0.47806	0.07021	0.12945	0.17...
Mean	0.28996	0.01940	Over-range	0.04217	0.47159	0.02381	0.14623	0.17567
%RSD	0.12737	4.49618	n/a	24.22365	9.53128	185.80459	35.30143	24.78308

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1 H	27.65567 L	-0.15759 H	68.43156	0.60073	Over-range	2793.60608	0.20919	0.01119
# 2 H	27.65250	0.29673 H	68.43885	0.57842	Over-range	2774.49920	0.20867 L	-0.01662

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# 3 H	27.71414	0.30888 H	68.67518	0.60821	Over-range	2813.14368	0.21015 L	-0.01725
Mean H	27.67410	0.14934 H	68.51519	0.59579	Over-range	2793.74965	0.20934 L	-0.00756
%RSD	0.12542	178.03454	0.20229	2.60112	n/a	0.69164	0.35935	214.81686

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.07798	0.22931 L	-0.07066	0.11106	0.06681
# 2 L	-0.10641	0.23029 L	-0.05937	0.12795	0.06398
# 3 L	-0.08236	0.22807 L	-0.03015	0.14696	0.06319
Mean L	-0.08892	0.22922 L	-0.05339	0.12866	0.06466
%RSD	17.21223	0.48418	39.15617	13.95729	2.94145

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVH Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:05:36 AM October 8, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00161	48.50026	3.31272	0.01168	0.03419	0.00409 L	-0.00015	49.78113
# 2	0.00069	48.69078	4.38870	0.01179	0.05805	0.00441 L	-0.00004	49.80735
# 3 L	-0.00148	48.84107	5.22658	0.00191	0.03327	0.00400 L	-0.00011	49.97108
Mean	0.00027	48.67737	4.30934	0.00846	0.04184	0.00416 L	-0.00010	49.85319
%RSD	584.26509	0.35088	22.26324	67.00527	33.57443	5.10502	56.55587	0.20648

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.01254	0.01170	0.00121 L	-0.00276	48.92711	51.59227	0.00897	48.68337
# 2	0.01952	0.00418	0.00190 L	-0.00347	48.80898	51.88756	0.00896	48.89900
# 3	0.02013	0.01323	0.00382 L	-0.00500	48.69855	51.48477	0.00818	48.64088
Mean	0.01740	0.00970	0.00231 L	-0.00374	48.81155	51.65487	0.00870	48.74109
%RSD	24.21969	49.89154	58.60715	30.55315	0.23417	0.40375	5.20517	0.28395

	Mn 259.371	Mo 281.616	Na 589.595	Ni 231.605	P 213.617	Pb 220.355	Sb 206.834	Sb 217.583
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.00082 L	-0.04298	49.39807 L	-0.01214 L	-0.12400 L	-0.04304	0.23953 L	-0.01301
# 2	0.00129 L	-0.03584	49.54818 L	-0.01754 L	-0.30773 L	-0.06273	0.56302	0.03104
# 3	0.00203 L	-0.03825	49.90034 L	-0.00406 L	-0.16251	0.05925	0.66914	0.39493
Mean	0.00138 L	-0.03902	49.61553 L	-0.01125 L	-0.19808 L	-0.01551	0.49056	0.13766
%RSD	44.30818	9.31470	0.51963	60.32541	48.91728	422.22748	45.61732	162.64686

	Sb 252.852	Se 196.091	Si 251.611	Sn 242.949	Sr 407.771	Sr 460.732	Ti 336.121	Tl 351.921
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.17422 L	-0.11716	0.45645	0.35865	0.01038	116.56784	0.00183 L	-0.07038
# 2	0.15523	0.23073	0.50484	0.38770	0.01014	116.69619	0.00257	0.00628
# 3	0.16453	0.34339	0.44406	0.49236	0.00991	116.62303	0.00115 L	-0.04191
Mean	0.16466	0.15232	0.46845	0.41291	0.01014	116.62902	0.00185 L	-0.03534
%RSD	5.76605	157.61268	6.85600	17.03178	2.34039	0.05520	38.48472	109.66141

	U 367.007	V 292.402	W 239.710	Zn 213.857	Zr 343.822
	ppm	ppm	ppm	ppm	ppm
# 1	0.29668 L	-0.00019 L	-0.09936	0.12125	0.00487
# 2	0.30903	0.00158 L	-0.06116	0.17101	0.00273
# 3	0.31766	0.00079 L	-0.08614	0.21751	0.00314
Mean	0.30779	0.00073 L	-0.08222	0.16993	0.00358
%RSD	3.42746	122.71941	23.59233	28.32957	31.84113

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVC Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:10:42 AM October 8, 1996

	Ag 328.068	Al 308.215	As 193.761	Au 242.795	B 249.773	Ba 455.397	Be 313.042	Ca 317.934
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.01281 L	-0.10066	1.37775	9.33491	0.13131	0.00576	0.00274	0.29311
# 2	0.01220 L	-0.11405	1.56462	9.38316	0.11183	0.00603	0.00271	0.27606
# 3	0.01326 L	-0.11269	2.30605	9.34482	0.12861	0.00555	0.00274	0.26428
Mean	0.01276 L	-0.10913	1.74947	9.35430	0.12392	0.00578	0.00273	0.27782
%RSD	4.18784	6.75086	28.06456	0.27240	8.51572	4.16986	0.67014	5.21818

	Cd 226.500	Co 238.891	Cr 267.716	Cu 324.754	Fe 239.562	K 766.488	Li 670.803	Mg 279.077
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.01074 L	-0.00313	0.00984	0.00746	0.02923	0.07598	9.87523	0.00093
# 2	0.01038	0.00727	0.01282	0.00610	0.03019	0.07390	9.89831	0.00048

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 235.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01074 L	-0.00313	0.00984	0.00746	0.02923	0.07598	9.87523	0.00093
# 2	0.01038	0.00727	0.01282	0.00610	0.03019	0.07390	9.89831	0.00048
# 3	0.01098 L	-0.00019	0.01224	0.00764	0.02853	0.07752	9.87605	0.00143
Mean	0.01070	0.00132	0.01163	0.00707	0.02932	0.07580	9.88320	0.00095
%RSD	2.82329	406.20871	13.58687	11.86928	2.85056	2.40218	0.13251	50.60077

EVOLUTION by Micro-Active Australia Pty Ltd 6:10:48 AM October 8, 1996

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 L	-0.00072 L	-0.04794	0.59866	0.01532	9.97671	0.08703	0.13070	0.49903
# 2 L	-0.00108 L	-0.05239	0.60919 L	-0.00823	9.86743	0.12256	0.36672	0.72865
# 3 L	-0.00083 L	-0.05496	0.58223	0.00034	9.96409	0.15002	0.53006	0.69093
Mean L	-0.00088 L	-0.05176	0.59669	0.00248	9.93608	0.11987	0.34250	0.63954
%RSD	20.91647	6.86861	2.27735	480.97616	0.60168	26.34858	58.62192	19.25367

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	17.87619 L	-0.04109 H	44.49442	10.27964	0.00768	116.57297	11.31704 L	-0.04462
# 2	18.34820	0.31319 H	45.17790	10.10478	0.00730	116.49853	11.34841 L	-0.07752
# 3	18.49649	0.05767 H	46.01995	10.28251	0.00707	117.00167	11.39516 L	-0.07051
Mean	18.24029	0.10992 H	45.23075	10.22231	0.00735	116.69106	11.35354 L	-0.06422
%RSD	1.77586	166.32853	1.68942	0.99578	4.19401	0.23272	0.34623	26.98856

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	10.84402	0.00145	10.36055 L	-0.02610	9.76832
# 2	10.73078	0.00042	10.20710	0.01694	9.76251
# 3	10.51261	0.00360	10.33675	0.03483	9.81759
Mean	10.69581	0.00182	10.30147	0.00856	9.78280
%RSD	1.57492	88.96516	0.80166	366.05244	0.30936

EVOLUTION by Micro-Active Australia Pty Ltd 6:21:46 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:15:52 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00212 L	-0.06701	11.54386	0.19135	9.95872 H	9.38445 H	9.51802	0.13845
# 2	0.00089 L	-0.05520	11.28466	0.18368	9.93288 H	9.33083 H	9.51692	0.14088
# 3	L -0.00111 L	-0.07155	10.89887	0.18693	10.00845 H	9.51487 H	9.56556	0.14463
Mean	0.00063 L	-0.06459	11.24246	0.18732	9.96668 H	9.41005 H	9.53350	0.14132
%RSD	257.61408	13.06546	2.88689	2.05491	0.38535	1.00585	0.29129	2.20399

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	H 9.59642 H	9.54189 H	9.79165 H	9.42812	0.06664	0.05975	0.01189	0.08198
# 2	H 9.54325 H	9.58524 H	9.78683 H	9.41362	0.04188	0.03788	0.01094	0.07539
# 3	H 9.56622 H	9.58617 H	9.82181 H	9.43726	0.03797	0.04701	0.01025	0.08230
Mean	H 9.56863 H	9.57110 H	9.80009 H	9.42633	0.04883	0.04821	0.01102	0.08322
%RSD	0.27870	0.26435	0.19348	0.12644	31.84064	22.78636	7.47461	10.01323

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	H 9.34145 H	9.89061	0.13485 H	9.52022	2.21160	10.10990	11.38104	10.50262
# 2	H 9.38106 H	9.87772	0.14348 H	9.60033	2.16218	9.77749	12.16922	10.65379
# 3	H 9.42553 H	9.92723	0.15393 H	9.59919	2.21441	10.07982	12.13943	10.47456
Mean	H 9.38268 H	9.89852	0.14409 H	9.57325	2.19606	9.98907	11.89656	10.54366
%RSD	0.44832	0.25952	6.62915	0.47972	1.33774	1.84052	3.75493	0.91433

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	10.74329	9.95488	2.94630 L	-0.32191	0.00091	116.42280	0.00634	9.70602
# 2	10.76809	10.36174	2.91470 L	-0.36926	0.00100	115.86832	0.00562	9.90038
# 3	10.67007	10.38731	2.72196 L	-0.39440	0.00105	115.82724	0.00622	9.81560
Mean	10.72715	10.23465	2.86099 L	-0.36186	0.00098	116.03945	0.00606	9.80733
%RSD	0.47509	2.37055	4.24439	10.17074	7.45534	0.28665	6.39193	0.99358

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	L -0.02931 H	9.54305 L	-0.03012 H	9.71837	0.00581
# 2	L -0.11362 H	9.62298	0.04442 H	9.70018	0.00413
# 3	L -0.05163 H	9.66726	0.00881 H	9.77755	0.00451
Mean	L -0.06486 H	9.61110	0.00770 H	9.73203	0.00482
%RSD	67.35274	0.65497	483.89902	0.41569	18.31772

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:21:00 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.07261 L	-0.02163	1.10348	0.03184	1.12484	1.04945	1.07255	0.32744
# 2	0.07330 L	-0.02175	1.02511	0.03456	1.13627	1.05418	1.07558	0.32456
# 3	0.07255 L	-0.03469	0.86236	0.01737	1.11296	1.04180	1.06866	0.32245
Mean	0.07282 L	-0.02602	0.99698	0.02793	1.12469	1.04848	1.07227	0.32482
%RSD	0.57053	28.85662	12.33679	33.09758	1.03614	0.59551	0.32359	0.77122

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	1.04945	1.00409	1.06187	1.00627	0.01059	0.03245	0.01062	0.02157
# 2	1.03224	0.99083	1.05998	1.00776	0.00443	0.02724	0.01033 L	-0.00017
# 3	1.02417	0.99454	1.05966	1.00362	0.00803	0.02932	0.00914	0.00326
Mean	1.03529	0.99649	1.06050	1.00588	0.00769	0.02967	0.01003	0.00822
%RSD	1.24766	0.68622	0.11283	0.20828	40.30469	8.83832	7.85004	142.20292

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.01019	1.06311	0.08455	0.99405	0.38627	0.94604	1.05023	1.01137
# 2	1.00656	1.06831	0.08195	1.00048	0.46498	1.03610	1.01544	1.17883
# 3	1.00438	1.05755	0.08207	1.00829	0.42206	0.91380	1.38454	1.10128
Mean	1.00704	1.06299	0.08286	1.00094	0.42444	0.96531	1.15007	1.09716
%RSD	0.29156	0.50627	1.76972	0.71251	9.28504	6.56633	17.72096	7.63847

# 3	1.00438	1.05755	0.08207	1.00829	0.42208	0.91360	1.16454	1.10128
Mean	1.00704	1.06239	0.08286	1.00094	0.42444	0.96531	1.15007	1.09716
%RSD	0.29156	0.50627	1.76972	0.71251	9.28504	6.56633	17.72096	7.63847

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	1.14496	1.12531	0.41627	0.01746	0.25444	160.47599	0.00112	1.01480
# 2	1.13271	1.26258	0.44127 L	-0.02816	0.25482	159.97285	0.00120	1.03046

EVOLUTION by Micro-Active Australia Pty Ltd 6:21:46 AM October 8, 1996

# 3	1.11742	0.86962	0.49542 L	-0.12311	0.25398	159.90482	0.00132	1.00316
Mean	1.13170	1.08584	0.45099 L	-0.04460	0.25442	160.11789	0.00122	1.01614
%RSD	1.21896	18.36639	8.97186	160.78117	0.16546	0.19485	8.23653	1.34844

		U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1		0.00673	1.01888 L	-0.09916	1.11191	0.00478
# 2	L	-0.04809	1.01098 L	-0.09684	1.10118	0.00523
# 3	L	-0.06022	1.00802 L	-0.13805	1.07862	0.00423
Mean	L	-0.03386	1.01263 L	-0.11135	1.09724	0.00475
%RSD		105.34601	0.55487	20.79052	1.54857	10.58724

EVOLUTION by Micro-Active Australia Pty Ltd 6:31:48 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:26:08 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00105 L	-0.04537 L	-0.59338 L	-0.00481	0.07874	0.00020	0.00042	0.03338
# 2	0.00036 L	-0.05870 L	-1.08768 L	-0.00080	0.06362 L	-0.00001	0.00036	0.03583
# 3 L	-0.00147 L	-0.04681 L	-0.54516 L	-0.00190	0.05964	0.00012	0.00049	0.04097
Mean L	-0.00002 L	-0.05029 L	-0.74207 L	-0.00250	0.06733	0.00010	0.00042	0.03673
%RSD	7468.31521	14.54552	40.46381	82.89261	14.96786	105.50214	15.32069	10.55033

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00648	0.00710	0.00340 L	-0.00243	0.00621	0.02038	0.00800 L	-0.01800
# 2	0.00414	0.00677	0.00454 L	-0.00033	0.00299	0.03939	0.00776	0.00157
# 3	0.00480	0.01568	0.00286	0.00006 L	-0.00817	0.02259	0.00675 L	-0.00092
Mean	0.00514	0.00985	0.00360 L	-0.00090	0.00034	0.02745	0.00750 L	-0.00579
%RSD	23.42395	51.30014	23.82896	148.61934	2194.72979	37.86463	8.81827	184.06604

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00191 L	-0.00989	0.07727 L	-0.00501	0.07617	0.06084	0.10258	0.40791
# 2	0.00191 L	-0.01334	0.07632	0.00034	0.03398	0.01408	0.29549	0.51291
# 3	0.00131 L	-0.01275	0.07061	0.00546 L	-0.06925	0.05492	0.18086	0.52347
Mean	0.00171 L	-0.01199	0.07473	0.00026	0.01364	0.04328	0.19298	0.48143
%RSD	20.45781	15.40543	4.81713	1987.74753	548.69146	58.82761	50.27807	13.27095

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	TI 351.921 ppm
# 1	0.08201	0.07604	0.02235	0.08545	0.00058	114.07395 L	-0.00002	0.00556
# 2	0.07215 L	-0.15935 L	-0.03024	0.14574	0.00058	114.04057	0.00023 L	-0.03096
# 3	0.03796	0.05207	0.02570	0.12683	0.00069	113.62471	0.00041 L	-0.06242
Mean	0.06404 L	-0.01041	0.00594	0.11934	0.00062	113.91308	0.00021 L	-0.02928
%RSD	36.10021	1244.36083	528.52839	25.83829	10.63218	0.21972	104.09327	116.20699

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.11287 L	-0.00352 L	-0.09332 L	-0.03096	0.00405
# 2 L	-0.04384 L	-0.00126 L	-0.08589 L	-0.06689	0.00299
# 3 L	-0.07266 L	-0.00409 L	-0.03844 L	-0.06750	0.00256
Mean L	-0.07646 L	-0.00296 L	-0.07255 L	-0.05512	0.00320
%RSD	45.34805	50.70839	41.03913	37.96602	24.02285

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CRIF Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:31:12 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.01892 L	-0.02587 L	-0.34322 L	-0.00113	0.04495	0.00044	0.00986	0.04954
# 2	0.02016 L	-0.03102	0.15709	0.01216	0.04709	0.00050	0.00985	0.05186
# 3	0.01983 L	-0.03616 L	-0.57229	0.01086	0.03826	0.00039	0.00978	0.04999
Mean	0.01964 L	-0.03101 L	-0.25281	0.00729	0.04343	0.00044	0.00983	0.05046
%RSD	3.26739	16.58361	147.54437	100.46773	10.60732	12.71826	0.48062	2.44146

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01759	0.08793	0.02067	0.04984 L	-0.00091	0.03051	0.00897	0.01736
# 2	0.01796	0.08708	0.01978	0.04819 L	-0.00859	0.03470	0.00745	0.01479
# 3	0.01673	0.09331	0.02346	0.04517	0.00083	0.02877	0.00648	0.01496
Mean	0.01743	0.08944	0.02130	0.04773 L	-0.00289	0.03133	0.00763	0.01571
%RSD	3.63610	3.77439	9.01984	4.95405	173.50576	9.73020	16.44070	9.14258

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.03004 L	-0.01380	0.04280	0.08350 L	-0.00851	0.01842 L	-0.58074	0.15355
# 2	0.03061 L	-0.00953	0.03802	0.07440	0.05432	0.03904 L	-0.29233	0.29596
# 3	0.02943 L	-0.01447	0.04140	0.06636	0.01900	0.04122 L	-0.21202	0.32855
Mean	0.03003 L	-0.01260	0.04074	0.07475	0.02160	0.03289 L	-0.36170	0.25935
%RSD	1.96020	21.28748	6.03062	11.47310	145.77264	38.24953	53.60826	35.88483

# 3	0.02943 L	-0.01447	0.04140	0.06636	0.01900	0.04122 L	-0.21202	0.34033
Mean	0.03003 L	-0.01260	0.04074	0.07475	0.02160	0.03289 L	-0.36170	0.25935
%RSD	1.96020	21.28748	6.03062	11.47310	145.77264	38.24953	53.60826	35.88483

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.18330 L	-0.11668	0.30780	0.11086	0.00055	113.32052	0.00123	0.07149
# 2	0.19224 L	-0.23317	0.32828	0.25410	0.00062	113.33720 L	-0.00003	0.05413

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# 3	0.22242	0.11312	0.30515	0.07328	0.00057	113.80184	0.00107	0.03233
Mean	0.19932 L	-0.07891	0.31374	0.14608	0.00058	113.48652	0.00076	0.05265
%RSD	10.28419	223.29675	4.03537	65.31863	6.48793	0.24074	90.47141	37.27394

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.03122	0.09917 L	-0.05035	0.01250	0.00205
# 2 L	-0.03884	0.09838 L	-0.08006 L	-0.00127	0.00168
# 3	0.06341	0.09949 L	-0.06897 L	-0.01261 L	-0.00019
Mean L	-0.00222	0.09901 L	-0.06646 L	-0.00046	0.00118
%RSD	2570.12354	0.57459	22.58409	2729.80133	101.45198

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSAF Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:36:20 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00156 H	430.04468	5.84445	0.00323	0.01398	0.01057	0.00015 H	440.39511
# 2 L	-0.00036 H	430.26100	8.33097	0.00651	0.01176	0.01083	0.00010 H	438.28314
# 3 L	-0.00013 H	430.42768	11.99595	0.01039	0.03486	0.01112	0.00020 H	440.23035
Mean	0.00036 H	430.24446	8.72379	0.00671	0.02020	0.01084	0.00015 H	439.63620
%RSD	294.43530	0.04463	35.47202	53.45867	63.08972	2.53953	33.02528	0.26719

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.03009	0.03327 L	-0.01013 L	-0.01703 H	178.93707	0.06519	0.00967 H	473.85201
# 2	0.03175	0.03842 L	-0.01106 L	-0.01659 H	178.75860	0.05438	0.01086 H	474.11024
# 3	0.03830	0.04391 L	-0.01064 L	-0.01735 H	178.44591	0.04061	0.00998 H	474.34121
Mean	0.03338	0.03853 L	-0.01061 L	-0.01699 H	178.71386	0.05339	0.01017 H	474.10115
%RSD	13.00980	13.81607	4.41872	2.25007	0.13911	23.06535	6.03913	0.05162

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.01462 L	-0.17070	0.10158 L	-0.01109 L	-0.97004	0.21017	0.62024	0.86322
# 2	0.01837 L	-0.16396	0.10209	0.00208 L	-0.70350	0.12310	0.77864	1.77837
# 3	0.01795 L	-0.16337	0.09814 L	-0.01087 L	-0.71588	0.17445	1.76679	2.31998
Mean	0.01698 L	-0.16601	0.10060 L	-0.00663 L	-0.79647	0.16924	1.05522	1.65385
%RSD	12.08463	2.45291	2.13612	113.73799	18.88808	25.86075	58.87903	44.52131

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.01047	0.07125	0.05573 L	-0.86989	0.02030	121.08713	0.00262 L	-0.00624
# 2 L	-0.01222	0.09378	0.05527 L	-0.74373	0.02035	120.58656	0.00302 L	-0.02244
# 3	0.07831	0.26845	0.03476 L	-0.80775	0.02043	120.19637	0.00394 L	-0.00253
Mean	0.02552	0.14449	0.04859 L	-0.80713	0.02036	120.62335	0.00319 L	-0.01040
%RSD	184.56874	74.70068	24.64805	7.81554	0.31064	0.37018	21.18279	101.79214

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	1.23165	0.00392 L	-0.20567	0.18963	0.00554
# 2	1.18901	0.00360 L	-0.16502	0.38089	0.00384
# 3	1.16616	0.00375 L	-0.17714	0.61805	0.00510
Mean	1.19561	0.00375 L	-0.18261	0.39619	0.00482
%RSD	2.78015	4.26229	11.42864	54.17030	18.26373

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSABF Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:41:26 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.98794 H	434.46547	5.10903	0.01381	0.02873	0.48253	0.47715 H	445.53276
# 2	0.99085 H	436.69954	8.45454	0.00501	0.02564	0.48055	0.47731 H	446.42248
# 3	0.98804 H	434.89814	9.06937	0.00175	0.03063	0.47672	0.47527 H	444.83478
Mean	0.98895 H	435.35438	7.54431	0.00686	0.02833	0.47993	0.47657 H	445.59667
%RSD	0.16692	0.27216	28.25053	91.02053	8.89598	0.61459	0.23781	0.17859

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.98179	0.49714	0.47651	0.46612 H	180.54513	0.05604	0.01271 H	484.16850

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.98179	0.49714	0.47651	0.46612 H	180.54513	0.05604	0.01271 H	484.16850
# 2	0.97156	0.52585	0.47161	0.47201 H	182.45516	0.04262	0.01299 H	482.25639
# 3	0.97027	0.50825	0.46509	0.46743 H	182.03784	0.02709	0.01180 H	487.67495
Mean	0.97454	0.51041	0.47107	0.46852 H	181.67938	0.04191	0.01250 H	484.69995
%RSD	0.64802	2.83619	1.21639	0.66019	0.55273	34.56777	5.00764	0.56697

EVOLUTION by Micro-Active Australia Pty Ltd 6:41:52 AM October 8, 1996

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.49264 L	-0.17545	0.05822	0.90098	0.06864	1.11829	1.45202	1.46970
# 2	0.48932 L	-0.18441	Over-range	0.89637	0.18817	1.14260	0.42968	2.12476
# 3	0.48809 L	-0.16133	0.05399	0.89811 L	-0.09286	1.06219	0.70570	2.82598
Mean	0.49002 L	-0.17373	Over-range	0.89849	0.05465	1.10769	0.86247	2.14014
%RSD	0.48076	6.69597	n/a	0.25903	258.08652	3.72304	61.32321	31.69275

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.27224 L	-0.01584	0.11280 L	-0.94164	0.02041	121.80976	0.00514 L	-0.07743
# 2	0.17545	0.02890	0.11318 L	-0.50870	0.02040	121.80334	0.00354 L	-0.01627
# 3	0.19858	0.20612	0.09958 L	-0.51375	0.02035	121.55562	0.00322 L	-0.05141
Mean	0.21543	0.07306	0.10852 L	-0.65470	0.02039	121.72291	0.00397 L	-0.04837
%RSD	23.46248	160.67158	7.13606	37.95853	0.16310	0.11905	25.90226	63.44660

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	1.26296	0.47157 L	-0.15452	1.15326	0.00673
# 2	1.17152	0.47316 L	-0.15753	1.18962	0.00670
# 3	1.20690	0.47031 L	-0.18968	1.20628	0.00655
Mean	1.21379	0.47168 L	-0.16724	1.18305	0.00666
%RSD	3.79862	0.30312	11.65376	2.29171	1.46214

EVOLUTION by Micro-Active Australia Pty Ltd 6:51:52 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVH Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:46:32 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00173	49.60079 L	-11.31707 L	-0.02632	0.03271	0.00396 L	-0.00001	51.19250
# 2	0.00152	49.65069 L	-17.59817 L	-0.02600	0.04072	0.00385 L	-0.00006	50.91375
# 3	0.00160	49.69946 L	-22.88467 L	-0.01556	0.04190	0.00387 L	-0.00008	50.96246
Mean	0.00162	49.65031 L	-17.26664 L	-0.02263	0.03844	0.00389 L	-0.00005	51.02290
%RSD	6.48551	0.09937	33.53820	27.04553	13.01496	1.42795	71.83352	0.29179

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00472	0.01461	0.00299 L	-0.00149	49.60362	52.34396	0.01114	49.78824
# 2 L	-0.00424	0.01684	0.00520 L	-0.00231	49.52080	52.18660	0.01064	49.67348
# 3 L	-0.01661	0.02191	0.00170 L	-0.00080	49.44055	52.22740	0.00993	49.75580
Mean L	-0.00538	0.01779	0.00330 L	-0.00153	49.52166	52.25265	0.01057	49.73913
%RSD	199.11696	21.04242	53.71016	49.38937	0.16466	0.15629	5.74756	0.11891

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00170 L	-0.07325	49.25649 L	-0.00850	1.35168	0.06797 L	-1.24936 L	-0.75195
# 2	0.00219 L	-0.09087	49.49340 L	-0.01206	1.05129	0.02481 L	-2.23016 L	-1.74525
# 3	0.00159 L	-0.10232	48.13813 L	-0.00273	0.96592	0.07058 L	-3.12988 L	-2.70264
Mean	0.00183 L	-0.08882	48.96268 L	-0.00776	1.12296	0.05445 L	-2.20313 L	-1.73328
%RSD	17.44645	16.48814	1.47833	60.67437	18.04382	47.20153	42.69149	56.27494

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.18664	0.96918	0.47507 L	-0.90685	0.00293	116.73726	0.00251 L	-0.00360
# 2	0.18761	0.75584	0.46322 L	-1.02091	0.00297	116.43435	0.00149	0.00704
# 3	0.17224	0.62544	0.51229 L	-1.42592	0.00296	116.32525	0.00172 L	-0.03377
Mean	0.18216	0.78349	0.48352 L	-1.11789	0.00295	116.49895	0.00191 L	-0.01011
%RSD	4.72683	22.14801	5.29617	24.40207	0.65272	0.18324	27.94652	209.37835

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	0.31426	0.00123 L	-0.13646 L	-0.83164	0.00287
# 2	0.32289	0.00104 L	-0.09094 L	-1.24066	0.00177
# 3	0.27755	0.00115 L	-0.16505 L	-1.61243	0.00032
Mean	0.30490	0.00114 L	-0.13082 L	-1.22824	0.00165
%RSD	7.89649	8.34902	28.57428	31.79708	77.34651

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVC Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:51:38 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.01398	0.06467 L	-1.28155	9.33048	0.13247	0.00549	0.00285	0.31882
# 2	0.01444	0.07367 L	-2.51821	9.32655	0.14226	0.00563	0.00291	0.32231
# 3	0.01183	0.06683 L	-3.20029	9.41205	0.14493	0.00526	0.00292	0.31949
Mean	0.01342	0.06839 L	-2.33335	9.35636	0.13989	0.00546	0.00289	0.32021
%RSD	10.35939	6.87095	41.68420	0.51589	4.69063	3.46293	1.31834	0.57847

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.00720 L	-0.00236	0.01074	0.00900	0.09197	0.08037	9.95460	0.11301
# 2	0.00525 L	-0.00175	0.00845	0.00952	0.09733	0.07955	10.02077	0.11028
# 3	0.00471	0.00572	0.00932	0.00869	0.09138	0.13068	9.97649	0.36873
Mean	0.00572	0.00054	0.00950	0.00907	0.09356	0.09687	9.98396	0.19734
%RSD	22.94464	838.19883	12.19736	4.60262	3.50323	30.23700	0.33766	75.21675

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1 L	-0.00149 L	-0.05698	0.39714 L	-0.00911	10.25976 L	-0.05680	0.01376 L	-0.08573
# 2 L	-0.00131 L	-0.06095	0.39280 L	-0.01665	9.99646	0.03139 L	-0.52758 L	-0.09810
# 3 L	-0.00135 L	-0.06219	0.38989 L	-0.01301	10.17323	0.00861 L	-0.18921 L	-0.35094
Mean L	-0.00138 L	-0.06004	0.39328 L	-0.01292	10.14315 L	-0.00560 L	-0.23434 L	-0.17806
%RSD	6.95646	4.53683	0.92846	29.17420	1.32309	817.44710	116.69878	83.86921

# 3	L	-0.00135	L	-0.06219		0.38989	L	-0.01301	10.17323	0.00861 L	-0.18921 L	-0.13054
Mean	L	-0.00138	L	-0.06004		0.39328	L	-0.01292	10.14315	L -0.00560 L	-0.23434 L	-0.17806
%RSD		6.95646		4.53683		0.92846		29.17420	1.32309	817.44710	116.69878	83.86921

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	18.38131	0.53931 H	45.74068	9.64243	0.00402	115.89399	11.51385 L	-0.05843
# 2	18.68142	0.32613 H	46.30387	9.59414	0.00406	116.03261	11.51222 L	-0.07630

# 3	19.05550	0.46101 H	46.96974	9.60709	0.00401	115.79387	11.53620 L	-0.11313
Mean	18.70608	0.44215 H	46.33810	9.61456	0.00403	115.90682	11.52075 L	-0.08262
%RSD	1.80568	24.38808	1.32772	0.25997	0.56838	0.10343	0.11630	33.76354

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	10.71085	0.00094	10.44305 L	-0.08436	9.94798
# 2	10.37917	0.00136	10.43862 L	-0.12662	10.00705
# 3	10.50874 L	-0.00032	10.55135 L	-0.17039	9.93480
Mean	10.53292	0.00066	10.47767 L	-0.12712	9.96328
%RSD	1.58703	132.21706	0.60934	33.83908	0.38616

EVOLUTION by Micro-Active Australia Pty Ltd 7:01:56 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:56:46 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00398 L	-0.01060	10.34858	0.19115	9.97105 H	9.40292 H	9.54225	0.13102
# 2	0.00445 L	-0.03087	10.39516	0.20494	10.01236 H	9.40232 H	9.48858	0.13520
# 3	0.00421 L	-0.02514	9.12934	0.20073	10.04551 H	9.41211 H	9.56571	0.13913
Mean	0.00421 L	-0.02220	9.95769	0.19894	10.00964 H	9.40578 H	9.53218	0.13512
%RSD	5.57706	47.05883	7.20799	3.55097	0.37272	0.05832	0.41482	3.00076

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	H 9.44693 H	9.56498 H	9.75609 H	9.39014	0.07347	0.05639	0.01074	0.07378
# 2	H 9.40578 H	9.48074 H	9.70440 H	9.38322	0.05534	0.05192	0.00964	0.07464
# 3	H 9.39761 H	9.52154 H	9.76315 H	9.43296	0.05752	0.05614	0.00797	0.07921
Mean	H 9.41677 H	9.52242 H	9.74121 H	9.40211	0.06211	0.05482	0.00945	0.07588
%RSD	0.28070	0.44241	0.32932	0.28656	15.93926	4.58208	14.74672	3.84866

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	H 9.43852 H	9.82311	0.05015 H	9.51536	2.19701	9.89906	9.28190	9.83399
# 2	H 9.39053 H	9.89302	0.04840 H	9.49781	2.24425	9.79633	10.11821	10.03977
# 3	H 9.48200 H	9.91795	0.04880 H	9.42481	2.30523	9.73420	10.03799	9.62036
Mean	H 9.43702 H	9.87803	0.04911 H	9.47933	2.24883	9.80986	9.81270	9.83137
%RSD	0.48479	0.49770	1.87115	0.50659	2.41260	0.84874	4.70242	2.13313

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	10.52579	10.82693	2.09882 L	-0.38868	0.00041	114.00849	0.00751	9.81011
# 2	10.44531	10.64172	2.05681 L	-0.35502	0.00042	113.46170	0.00755	9.90276
# 3	10.40940	10.91130	2.00492 L	-0.40111	0.00044	113.55412	0.00689	10.00427
Mean	10.46017	10.79332	2.05351 L	-0.38160	0.00042	113.67477	0.00732	9.90571
%RSD	0.56980	1.27765	2.29050	6.24820	3.52272	0.25747	5.03622	0.98039

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1	L -0.00567 H	9.47463	0.05754 H	9.69118	0.00468
# 2	L -0.04273 H	9.48434 L	-0.01416 H	9.66266	0.00421
# 3	L -0.01421 H	9.61275 L	-0.00580 H	9.68322	0.00456
Mean	L -0.02087 H	9.52391	0.01253 H	9.67902	0.00448
%RSD	92.98399	0.80947	312.96451	0.15206	5.50999

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:01:52 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.07752	0.00092	3.21209	0.02275	1.13788	1.05386	1.07709	0.38785
# 2	0.07521	0.01617	4.29134	0.02841	1.16439	1.05682	1.07801	0.39406
# 3	0.07740	0.02186	5.35680	0.01965	1.14586	1.04673	1.07772	0.39347
Mean	0.07671	0.01298	4.28674	0.02360	1.14938	1.05247	1.07761	0.39179
%RSD	1.69205	83.41259	25.01573	18.82211	1.18312	0.49309	0.04371	0.87506

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	1.03503	1.01475	1.06015	1.01097	0.02804	0.06749	0.00913	0.03412
# 2	1.02689	0.99044	1.07573	1.01440	0.01266	0.07461	0.00832	0.04606
# 3	1.02423	0.98960	1.07182	1.01682	0.01087	0.08118	0.00679	0.04722
Mean	1.02872	0.99826	1.06923	1.01406	0.01719	0.07443	0.00808	0.04247
%RSD	0.54668	1.43104	0.75807	0.29031	54.90075	9.19646	14.73859	17.08337

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	1.01306	1.05950	0.06239	1.00658 L	-0.02558	1.05291	1.50159	1.58918
# 2	1.01666	1.07318	0.07957	0.99347 L	-0.03062	1.03896	1.89795	1.72768
# 3	1.01193	1.07844	0.06292	1.01964	0.06993	1.07640	1.76931	1.99169
Mean	1.01388	1.07037	0.06829	1.00657	0.00457	1.05609	1.72295	1.76952
%RSD	0.24379	0.91318	14.30357	1.29992	1239.10829	1.79159	11.73608	11.55629

# 2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
# 3	1.01193	1.07844	0.06292	1.01964	0.06993	1.07640	1.76931	1.99169
Mean	1.01388	1.07037	0.06829	1.00857	0.00457	1.05609	1.72295	1.76952
%RSD	0.24379	0.91318	14.30357	1.29992	1239.10829	1.79159	11.73608	11.55629

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	1.15875	1.13010	0.48321 L	-0.08365	0.25345	159.17963	0.00147	0.99224
# 2	1.11302	1.11955	0.47305	0.03150	0.25586	158.46599	0.00247	1.04047

EVOLUTION by Micro-Active Australia Pty Ltd 7:01:58 AM October 8, 1996

# 3	1.16236	1.23190	0.47865	0.12832	0.25343	159.17193	0.00238	1.02735
Mean	1.14471	1.16052	0.47831	0.02539	0.25424	158.93918	0.00211	1.02002
%RSD	2.40266	5.34589	1.06385	417.98879	0.54978	0.25784	26.19296	2.44448

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.00780	1.01595 L	-0.03426	1.34001	0.00092
# 2 L	-0.02489	1.02097	0.01078	1.42800	0.00262
# 3 L	-0.08949	1.01670 L	-0.03954	1.45562	0.00305
Mean L	-0.04072	1.01787 L	-0.02101	1.40788	0.00220
%RSD	105.80583	0.26591	131.63288	4.28822	51.43937

EVOLUTION by Micro-Active Australia Pty Ltd 7:12:58 AM October 8, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14751,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:07:06 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1	0.00095 L	-0.03034	6.11270	0.00341	0.06615 L	-0.00003	0.00058	0.03405
# 2 L	-0.00035 L	-0.01247	8.91870	0.01173	0.06124	0.00066	0.00053	0.03182
# 3 L	-0.00164 L	-0.02932	12.91521	0.00495	0.04069	0.00025	0.00056	0.03421
Mean L	-0.00035 L	-0.02404	9.31554	0.00670	0.05603	0.00029	0.00056	0.03336
%RSD	375.13581	41.73942	36.69757	66.10909	24.11377	118.88551	4.78586	4.00154

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01717 L	-0.00453	0.00165 L	-0.00255	0.01315	0.02534	0.00998	0.04354
# 2	0.02445 L	-0.00173	0.00266 L	-0.00249	0.00750	0.03642	0.00905	0.05698
# 3	0.02701	0.00323	0.00443 L	-0.00146	0.00263	0.03384	0.00769	0.05598
Mean	0.02288 L	-0.00101	0.00292 L	-0.00217	0.00776	0.03187	0.00891	0.05217
%RSD	22.31213	388.79069	48.21879	28.18650	67.84178	18.18359	12.90727	14.35276

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00098	0.00455	0.00636 L	-0.00878 L	-0.89873	0.13606	1.70368	1.41237
# 2	0.00129	0.01804	0.00517 L	-0.00408 L	-0.71507	0.14708	2.09627	2.16971
# 3	0.00142	0.02091	0.00549 L	-0.01376 L	-0.75404	0.11367	2.58155	2.93973
Mean	0.00123	0.01450	0.00567 L	-0.00887 L	-0.78928	0.13227	2.12717	2.17394
%RSD	18.39876	60.25409	10.83791	54.54668	12.26069	12.86947	20.67304	35.12935

	Sb 252.852 ppm	Se 196.091 ppm	Si 251.611 ppm	Sn 242.949 ppm	Sr 407.771 ppm	Sr 460.732 ppm	Ti 336.121 ppm	Tl 351.921 ppm
# 1	0.07492	0.30936	0.04674	0.23709	0.00018	114.95059	0.00123	0.02261
# 2	0.12964	0.31303	0.07329	0.28712	0.00021	114.70544	0.00052	0.03774
# 3	0.09175	0.33157	0.06899	0.48400	0.00017	114.68105	0.00094 L	-0.00309
Mean	0.09877	0.31798	0.06301	0.33607	0.00019	114.77903	0.00090	0.01908
%RSD	28.37409	3.74424	22.62073	38.84007	11.42456	0.12988	39.94441	108.17159

	U 367.007 ppm	V 292.402 ppm	W 239.710 ppm	Zn 213.857 ppm	Zr 343.822 ppm
# 1 L	-0.02852	0.00062 L	-0.09677	0.38338	0.00197
# 2 L	-0.03782	0.00029 L	-0.08071	0.53922	0.00309
# 3 L	-0.07129 L	-0.00149 L	-0.06365	0.74872	0.00264
Mean L	-0.04588 L	-0.00019 L	-0.08038	0.55711	0.00257
%RSD	49.04139	592.12789	20.60663	32.90636	21.93551

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : PBW:14714 Identity 2 : 14714,GGD Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 7:12:14 AM October 8, 1996

	Ag 328.068 ppm	Al 308.215 ppm	As 193.761 ppm	Au 242.795 ppm	B 249.773 ppm	Ba 455.397 ppm	Be 313.042 ppm	Ca 317.934 ppm
# 1 L	-0.00056 L	-0.04065	7.02631	0.00879	0.04826	0.00038 L	-0.00018	0.08596
# 2 L	-0.00077 L	-0.03997	10.60958	0.00354	0.03650 L	-0.00002 L	-0.00023	0.08496
# 3 L	-0.00201 L	-0.04051	10.85739	0.01641	0.05650	0.00008 L	-0.00021	0.08841
Mean L	-0.00112 L	-0.04038	9.49776	0.00958	0.04709	0.00014 L	-0.00021	0.08644
%RSD	70.18103	0.89345	22.57295	67.56580	21.34439	145.58632	11.24013	2.05695

	Cd 226.500 ppm	Co 238.891 ppm	Cr 267.716 ppm	Cu 324.754 ppm	Fe 239.562 ppm	K 766.488 ppm	Li 670.803 ppm	Mg 279.077 ppm
# 1	0.01120 L	-0.00373 L	-0.00082 L	-0.00144	0.01519	0.02269	0.01224	0.05325
# 2	0.01475	0.00174 L	-0.00076 L	-0.00382	0.00810	0.02102	0.00986	0.06749
# 3	0.02189	0.00010 L	-0.00021 L	-0.00195	0.01059	0.01909	0.00909	0.07825
Mean	0.01595 L	-0.00063 L	-0.00059 L	-0.00240	0.01130	0.02093	0.01040	0.06633
%RSD	34.12916	445.97748	56.89235	52.14995	31.84947	8.61132	15.76555	18.90477

	Mn 259.371 ppm	Mo 281.616 ppm	Na 589.595 ppm	Ni 231.605 ppm	P 213.617 ppm	Pb 220.355 ppm	Sb 206.834 ppm	Sb 217.583 ppm
# 1	0.00193 L	-0.01204	0.05503	0.01513 L	-0.91003 L	-0.01246	1.36493	1.22566
# 2	0.00183	0.00372	0.05312	0.00348 L	-0.96920	0.04663	1.67504	2.22506
# 3	0.00170	0.01263	0.05514	0.00717 L	-0.58146	0.02725	2.28498	2.88259
			0.05443	0.00859 L	-0.82023	0.02047	1.77498	2.11107

FURNACE

1157

Varian SpectrAA 300/400 Zeeman
QC Protocol Report

INCHCAPE TESTING SERVICES
NDRC LABORATORY-DALLAS
FURNACE #3

ANALYST 10-14-96 DATE
REVIEW 10/14/96 DATE
DATA ENTRY 10-14-96 DATE
ANALYTE INST.#

OPERATOR	MARTY
DATE	10-14-96
BATCH	AS

QC PROTOCOL PARAMETERS

IF THERE IS AN ERROR	FLAG AND CONTINUE
QC SPIKE POSITION	52
RECOVERY LIMITS (%)	85 TO 115
RECOVERY MINIMUM LIMIT (%)	40
CORRELATION COEFFICIENT (r)	0.995
OVERRANGE VOLUME REDUCTION	5
REPLICATE RSD LIMIT (%)	20.0

Std. Lot #: AB708-214 Modifier Lot #: AB708-69A
ICV Lot #: AB708-21I CCV Lot #: AB708-214
LCS & MS/MSD Lot #: 690619

PROGRAM 1 As PLAT.3PT,Pd

INSTRUMENT MODE	ABSORBANCE
CALIBRATION MODE	CONCENTRATION
MEASUREMENT MODE	PEAK AREA
LAMP POSITION	7
LAMP CURRENT (mA)	7
SLIT WIDTH (nm)	0.2
SLIT HEIGHT	NORMAL
WAVELENGTH (nm)	193.7
SAMPLE INTRODUCTION	SAMPLER AUTOMIXING
TIME CONSTANT	0.05
MEASUREMENT TIME (sec)	1.0
REPLICATES	1
BACKGROUND CORRECTION	ON
MAXIMUM ABSORBANCE	0.95

FURNACE PARAMETERS

STEP NO.	TEMPERATURE (C)	TIME (sec)	GAS FLOW (L/min)	GAS TYPE	READ COMMAND
1	200	8.0	3.0	NORMAL	NO
2	200	•10.0	3.0	NORMAL	NO
3	1300	10.0	3.0	NORMAL	NO
4	1300	10.0	0.0	NORMAL	NO
5	2400	0.7	0.0	NORMAL	YES
6	2400	4.0	0.0	NORMAL	YES
7	2500	3.0	3.0	NORMAL	NO

SAMPLER PARAMETERS

	VOLUMES (fL) SOLUTION	BLANK	MODIFIER
BLANK	--	20	5
STANDARD 1	1	19	5
STANDARD 2	2	18	5
STANDARD 3	6	14	5
STANDARD 4	12	8	5
SAMPLE	20	0	5

RECALIBRATION RATE 0
RESLOPE RATE 0

MULTIPLE INJECT NO HOT INJECT YES PRE INJECT NO
TEMPERATURE 85
INJECT RATE 10

QC PROTOCOL PARAMETERS

QC STANDARD RATE	20
QC INITIAL STANDARD POSITION	48
QC INITIAL BLANK POSITION	51
QC CONTINUING STANDARD POSITION	49
QC CONTINUING BLANK POSITION	51
QC STANDARD VOLUME (fL)	20
QC STANDARD CONCENTRATION	25.0 PPB
QC STANDARD LIMITS (%)	80 TO 120
QC SPIKE RATE	1
QC SPIKE VOLUME (fL)	4
QC SPIKE CONCENTRATION	100.0 PPB
MATRIX SPIKE CONCENTRATION	0.0 PPB
INSTRUMENT DETECTION LIMIT	1.0 PPB
REQUIRED DETECTION LIMIT	10.0 PPB

10-14-96
ANALYST DATE
10/14/96
REVIEW DATE
10-14-96
DATA ENTRY DATE
3
ANALYTE INST.#

CONDITIONS FOR As :
Alternative Wavelengths (nm) : 197.2
Spectral Bandwidths (nm) : 1.0
Maximum Ash Temperature : 1500xC
Recommended Atomize Temperature : 2600xC
Recommended Chemical Modifiers :
Palladium Chloride (10fL of 500fg/mL), or Palladium solution (500-2000fg/mL) plus reducing agent such as ascorbic acid, or Nickel Nitrate solution (50fg/mL).
Response with Argon : 10fL of 50ng/mL gives about 0.2 Abs. (using Pd modifier)
Modifiers allow higher ash temperatures and enhance signals.
Without modifier, maximum ash temperature for AS is 300xC and atomize temperature is 2300xC.
Use of a multi-element lamp may require a different slit width, lamp current and wavelength to isolate the analytical line.

PROGRAM 1 As PLAT.3PT,Pd QC ZEEMAN
BLANK REPLICATE 1
ABSORBANCE CONCENTRATION SAMPLER AUTOMIX
PEAK AREA MAX.ABS. 0.95 BC ON

AUTOMATIC RUN PAUSED PRINTING

SAMPLE LABELS

1. 10PPB STD	2. 10940-1MS	3. 10940-1MD
4. 11304-4D:25	5. 11304-7 1:2	6. PB,TS:14746
7. LCS	8. 10809-3	9. 10809-3D
10. 10809-3MS	11. 10809-3MD	12. 10809-1
13. 10809-4	14. 10809-5	15. PB,DS:
16. LCS	17. 10809-3	18. 10809-3D
19. 10809-3MS	20. 10809-3MD	21. 10809-1
22. 10809-4	23. 10809-5	24. PB,TS:14986
25. LCS	26. 11352-1	27. 11352-1D
28. 11352-1MS	29. 11352-1MD	30. 11341-1
31. 11341-3	32. 11341-4	33. 11341-5
34. 11341-6	35. 11341-7	36. 11341-8
37. 11317-1	38. 11317-2	39. 11317-3
40. 11317-4	41. 11335-1	42. 11335-2
43. 11339-1	44. 11339-2	45. 11339-3

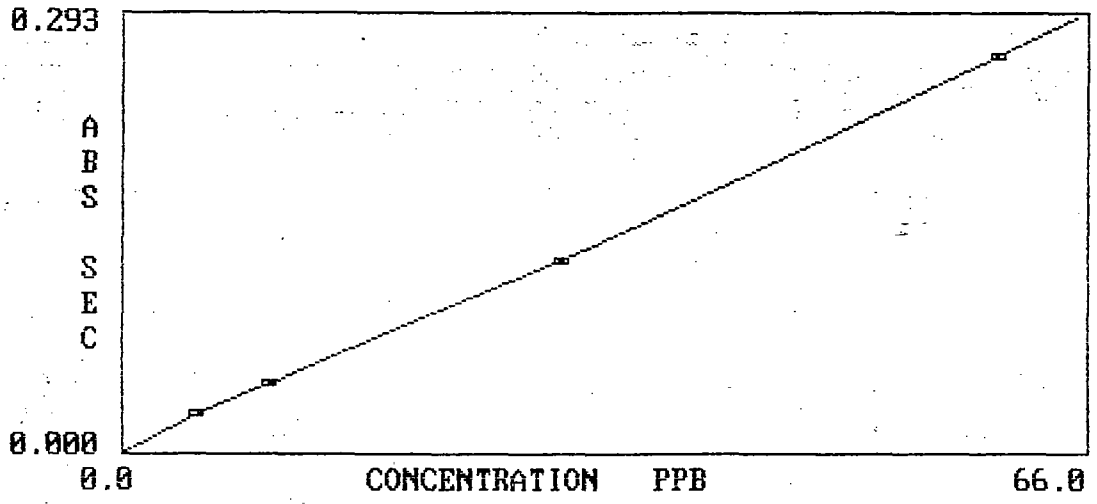
F INCREMENT
1 LABELS

F CALIBRA-
5 TION

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
BLANK QC	0.0		0.035	0.035 14Oct96 05:33 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	5.0	0.0	0.007	0.007 14Oct96 05:35
BLANK QC	0.0		-0.015	-0.015 14Oct96 05:38 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		-0.012	-0.012 14Oct96 05:41 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		0.015	0.015 14Oct96 05:45 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	5.0	0.0	0.022	0.022 14Oct96 05:47
BLANK QC	0.0		-0.006	-0.006 14Oct96 05:51 CONCENTRATION LESS THAN IDL

ANALYST 10/14/96 DATE
REVIEW 10/14/96 DATE
DATA ENTRY 10-14-96 DATE
ANALYTE INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS	
STANDARD 1 QC	5.0	0.0	0.025	0.025 14Oct96	05:53
STANDARD 2 QC	10.0	0.0	0.045	0.045 14Oct96	05:55
STANDARD 3 QC	30.0	0.0	0.129	0.129 14Oct96	05:58
STANDARD 4 QC	60.0	0.0	0.266	0.266 14Oct96	06:00



corr = 0.799

ANALYST 10/14/96 DATE
REVIEW 10/14/96 DATE
DATA ENTRY 10-14-96 DATE
ANALYTE INST. #

ICV QC 40ppb	39.6	0.0	0.172	0.172 14Oct96	06:02
				%R =	~~158.4~~ 99.0 10-14-96
ICB QC	1.7	0.0	0.008	0.008 14Oct96	06:04
				ABS =	0.012
10PPB STD QC	10.4	0.0	0.047	0.047 14Oct96	06:06 104/ne
QCSPIKE A	30.6	0.0	0.132	0.132 14Oct96	06:09
				%R =	101.2

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS		
CCV 1	24.9	0.0	0.108	0.108		
QC 25/p				140ct96 06:11		
				%R = 99.6		
CCB 1	-0.6	0.0	-0.003	-0.003		
QC				140ct96 06:13		
				ABS = 0.001		
Srun 14736				CONCENTRATION LESS THAN IDL		
10940-1MS	35.0	0.0	0.151	0.151		
QC 40/p	45/50			140ct96 06:15	88.1 %rec	38.9 ug/L
QCSPIKE A	49.3	0.0	0.216	0.216		
QC				140ct96 06:17	3.23 %rm	
				%R = 71.6		
				%R FAILED, REPEAT BY STANDARD ADDITIONS		
10940-1MD	34.0	0.0	0.147	0.147		
QC 40/p				140ct96 06:19	85.3 %rec	37.8 ug/L
QCSPIKE A	47.7	0.0	0.209	0.209		
QC				140ct96 06:21		
				%R = 68.2		
				%R FAILED, REPEAT BY STANDARD ADDITIONS		
11304-4D:25	30.6	0.0	0.131	0.131		
QC	45/50			140ct96 06:23		850.0 ug/L
QCSPIKE A	50.4	0.0	0.221	0.221		
QC				140ct96 06:25		
				%R = 99.0		
11304-7 1:2	5.6	0.0	0.028	0.028		
QC	45/50			140ct96 06:27		12.4 ug/L
QCSPIKE A	28.3	0.0	0.122	0.122		
QC				140ct96 06:30		
				%R = 113.3		
PB,T$:14746	0.9	0.0	0.004	0.004		
QC	100/100			140ct96 06:31		C
				CONCENTRATION LESS THAN IDL		
QCSPIKE A	22.1	0.0	0.096	0.096		
QC				140ct96 06:34		
				%R = 110.4		
LCS	40.0	0.0	0.174	0.174		
QC 40/p				140ct96 06:36	100 %rec	40.0 ug/L
QCSPIKE A	59.6	0.0	0.265	0.265		
QC				140ct96 06:38		
				%R = 98.1		
10809-3	5.9	0.0	0.029	0.029		
QC				140ct96 06:40		5.9 ug/L

ANALYST VK 10/14/96 DATE
REVIEW 10/14/96 DATE
DATA ENTRY 3 DATE
ANALYTE INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	19.4	0.0 W	0.085	0.085 140ct96 06:42 %R = 67.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3D QC	4.2	0.0	0.021	0.021 140ct96 06:44
QCSPIKE A QC	17.4	0.0 W	0.077	0.077 140ct96 06:46 %R = 65.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3MS QC	28.1	0.0	0.121	0.121 140ct96 06:48
QCSPIKE A QC	41.8	0.0	0.182	0.182 140ct96 06:50 %R = 68.3 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-3MD QC	26.2	0.0	0.113	0.113 140ct96 06:52
QCSPIKE A QC	41.7	0.0	0.181	0.181 140ct96 06:55 %R = 78.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
CCV 2 QC	23.8	0.0	0.103	0.103 140ct96 06:57 %R = 95.2
CCB 2 QC	0.0	0.0	0.000	0.000 140ct96 06:59 ABS = 0.004 CONCENTRATION LESS THAN IDL
10809-1 QC	19.6	0.0	0.086	0.086 140ct96 07:01
QCSPIKE A QC	37.3	0.0	0.161	0.161 140ct96 07:03 %R = 88.4
10809-4 QC	14.5	0.0	0.065	0.065 140ct96 07:05
QCSPIKE A QC	28.6	0.0	0.123	0.123 140ct96 07:07 %R = 70.1 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-5 QC	8.8	0.0	0.041	0.041 140ct96 07:09
QCSPIKE A QC	23.4	0.0	0.102	0.102 140ct96 07:11 %R = 72.9 %R FAILED, REPEAT BY STANDARD ADDITIONS

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
PB,DS (NUMBAF) QC	-0.0	0.0	-0.000	-0.000 14Oct96 07:13 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.7	0.0	0.095	0.095 14Oct96 07:15 %R = 108.4
LCS QC 25 ppb	25.3	0.0	0.110	0.110 14Oct96 07:17 101 %/mo 25.3 ug/L
QCSPIKE A QC 10-14-96	45.3	0.0	0.198	0.198 14Oct96 07:20 %R = 99.9
RWMS ~~10809-3~~ QC 25 ppb	25.2	0.0	0.109	0.109 14Oct96 07:22 101 %/mo 25.2 ug/L
QCSPIKE A QC 10-14-96	44.8	0.0	0.195	0.195 14Oct96 07:24 %R = 98.0 8.53 %/mpm
RWMD ~~10809-3D~~ QC 25 ppb	27.6	0.0	0.119	0.119 14Oct96 07:26 110 %/mo 27.6 ug/L
QCSPIKE A QC	45.9	0.0	0.200	0.200 14Oct96 07:28 %R = 91.6
10809-3MS QC	3.2	0.0	0.016	0.016 14Oct96 07:30
QCSPIKE A QC	18.0	0.0 W	0.080	0.080 14Oct96 07:33 %R = 74.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
BLANK QC	0.0		0.005	0.005 14Oct96 07:36 CONCENTRATION LESS THAN IDL
CCV 3 QC 25 ppb	26.3	0.0	0.114	0.114 14Oct96 07:38 %R = 105.2
CCB 3 QC	0.6	0.0	0.003	0.003 14Oct96 07:40 ABS = 0.008 CONCENTRATION LESS THAN IDL
10809-3 QC	4.3	0.0	0.022	0.022 14Oct96 07:42 4.3 ug/L
QCSPIKE A QC	20.4	0.0 W	0.090	0.090 14Oct96 07:45 %R = 80.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
10809-3D QC	2.3	0.0	0.012	0.012 14Oct96 07:47
QCSPIKE A QC	20.1	0.0	0.088	0.088 14Oct96 07:49 %R = 88.9
10809-1 QC	28.7	0.0	0.124	0.124 14Oct96 07:51
QCSPIKE A QC	45.5	0.0	0.199	0.199 14Oct96 07:53 %R = 83.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-4 QC	2.6	0.0	0.013	0.013 14Oct96 07:55
QCSPIKE A QC	19.2 W	0.0	0.085	0.085 14Oct96 07:58 %R = 83.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 QC	1.4	0.0	0.007	0.007 14Oct96 08:00
QCSPIKE A QC	18.6	0.0	0.082	0.082 14Oct96 08:02 %R = 86.3
PB,TS:14986 QC	0.8	0.0	0.004	0.004 14Oct96 08:04 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.9	0.0	0.092	0.092 14Oct96 08:06 %R = 104.5
LCS QC	40.0	0.0	0.174	0.174 14Oct96 08:08
QCSPIKE A QC	56.7	0.0	0.251	0.251 14Oct96 08:10 %R = 83.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
11352-1 QC	1.9	0.0	0.009	0.009 14Oct96 08:13
QCSPIKE A QC	21.4	0.0	0.093	0.093 14Oct96 08:15 %R = 97.5
11352-1D QC	1.3	0.0	0.007	0.007 14Oct96 08:17
QCSPIKE A QC	22.9	0.0	0.100	0.100 14Oct96 08:19 %R = 107.7

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11352-1MS QC 4ppm 0.504/50	40.2	0.0	0.174	0.174 140ct96 08:21
QCSPIKE A QC	55.0	0.0	0.243	0.243 140ct96 08:23 %R = 74.3 %R FAILED, REPEAT BY STANDARD ADDITIONS
CCV 4 QC 25ppb	26.5	0.0	0.115	0.115 140ct96 08:25 %R = 106.1
CCB 4 QC	1.7	0.0	0.008	0.008 140ct96 08:27 ABS = 0.013
11352-1MD QC 4ppm 0.501/50	39.0	0.0	0.169	0.169 140ct96 08:29
QCSPIKE A QC	56.2	0.0	0.248	0.248 140ct96 08:32 %R = 86.2
11341-1 QC	45.4	0.0	0.198	0.198 140ct96 08:34
QCSPIKE A QC	51.8 E	0.0	0.228	0.228 140ct96 08:36 %R = 31.9 %R LESS THAN MINIMUM LIMIT
11341-3 QC 0.509/50	28.0	0.0	0.120	0.120 140ct96 08:38
QCSPIKE A QC	48.0	0.0	0.210	0.210 140ct96 08:40 %R = 100.4
11341-4 QC	OVER	0.0	0.612	0.612 140ct96 08:42
11341-4 QC 0.501/50	173.7	0.0	0.150	0.150 140ct96 08:44 DF = 5.00
QCSPIKE A QC	269.8	0.0	0.238	0.238 140ct96 08:46 DF = 5.00 %R = 96.0
11341-5 QC	OVER	0.0	0.982*	0.982* 140ct96 08:48
11341-5 QC	295.9	0.0	0.262	0.262 140ct96 08:49 DF = 5.00

95.0%rec 3988.1 ug/kg

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2.56%rpd

92.6%rec 3892.1 ug/kg

12335.3 ug/kg

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	OVER	0.0 DE	0.332	0.332 14Oct96 08:51 DF = 5.00 %R = -295.9 REDUCED SAMPLE VOLUME LESS THAN 1 fL
11341-6 QC	OVER	0.0	1.584*	1.584* 14Oct96 08:53
11341-6 QC	OVER	0.0 D	0.492	0.492 14Oct96 08:55 DF = 5.00 REDUCED SAMPLE VOLUME LESS THAN 1 fL
QCSPIKE A QC	OVER	0.0 DE	0.560	0.560 14Oct96 08:57 DF = 5.00 %R = 0.0 REDUCED SAMPLE VOLUME LESS THAN 1 fL
11341-7 QC	OVER	0.0	0.652	0.652 14Oct96 08:59
11341-7 QC 0.507/50	175.9	0.0	0.152	0.152 14Oct96 09:00 DF = 5.00
QCSPIKE A QC	281.8	0.0	0.249	0.249 14Oct96 09:02 DF = 5.00 %R = 105.9
11341-8 QC	45.4	0.0	0.198	0.198 14Oct96 09:04
QCSPIKE A QC	OVER	0.0	0.293	0.293 14Oct96 09:07
CCV 5 QC 25 ppb	25.2	0.0	0.109	0.109 14Oct96 09:09 %R = 100.7
CCB 5 QC	1.1	0.0	0.006	0.006 14Oct96 09:11 ABS = 0.010
11341-8 QC 0.504/50	55.7	0.0	0.050	0.050 14Oct96 09:12 DF = 5.00
QCSPIKE A QC	158.0	0.0	0.136	0.136 14Oct96 09:14 DF = 5.00 %R = 102.3
1[illegible]17-1 QC	OVER	0.0	0.558B	0.558B 14Oct96 09:16

17347.1 ug/kg

5525.8 ug/kg

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11317-1 QC	79.9	0.0	0.071	0.071 140ct96 09:18 DF = 5.00
QCSPIKE A QC	197.6	0.0	0.171	0.171 140ct96 09:20 DF = 5.00 %R = 117.7 %R FAILED, REPEAT BY STANDARD ADDITIONS
11317-2 QC	58.6	0.0	0.260	0.260 140ct96 09:22
QCSPIKE A QC	OVER	0.0	0.321	0.321 140ct96 09:24
QCSPIKE A QC	166.9	0.0	0.144	0.144 140ct96 09:26 DF = 5.00
11317-2 QC 0.506/50	53.9	0.0	0.048	0.048 140ct96 09:28 DF = 5.00
QCSPIKE A QC	167.0	0.0	0.144	0.144 140ct96 09:30 DF = 5.00 %R = 113.2
11317-3 QC	OVER	0.0	0.296	0.296 140ct96 09:32
11317-3 QC	70.0	0.0	0.062	0.062 140ct96 09:34 DF = 5.00
QCSPIKE A QC	188.2	0.0	0.163	0.163 140ct96 09:36 DF = 5.00 %R = 118.3 %R FAILED, REPEAT BY STANDARD ADDITIONS
11317-4 QC	63.2	0.0	0.282	0.282 140ct96 09:38
11317-4 QC 0.509/50	72.6	0.0	0.065	0.065 140ct96 09:39 DF = 5.00
QCSPIKE A QC	181.0	0.0	0.156	0.156 140ct96 09:41 DF = 5.00 %R = 108.4
11335-1 QC	58.5	0.0	0.259	0.259 140ct96 09:43

5326.1 ug/kg

7131.6 ug/kg

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	OVER	0.0	0.320	0.320 140ct96 09:46
QCSPIKE A QC	168.7	0.0	0.145	0.145 140ct96 09:48 DF = 5.00
CCV 6 QC	25.7	0.0	0.111	0.111 140ct96 09:50 %R = 102.9
CCB 6 QC	0.6	0.0	0.003	0.003 140ct96 09:52 ABS = 0.008 CONCENTRATION LESS THAN IDL
11335-1 QC	53.4	0.0	0.048	0.048 140ct96 09:54 DF = 5.00
QCSPIKE A QC	169.0 W	0.0	0.146	0.146 140ct96 09:56 DF = 5.00 %R = 115.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11335-2 QC	OVER	0.0	0.643B	0.643B 140ct96 09:58
11335-2 QC 0.5U/50	88.1	0.0	0.078	0.078 140ct96 09:59 DF = 5.00
QCSPIKE A QC	192.0	0.0	0.166	0.166 140ct96 10:01 DF = 5.00 %R = 103.8
11339-1 QC	OVER	0.0	0.318	0.318 140ct96 10:03
11339-1 QC 0.5U/50	83.7	0.0	0.074	0.074 140ct96 10:05 DF = 5.00
QCSPIKE A QC	189.4	0.0	0.164	0.164 140ct96 10:07 DF = 5.00 %R = 105.8
11339-2 QC	63.9	0.0	0.285	0.285 140ct96 10:09
11339-2 QC 0.5U/50	88.8	0.0	0.078	0.078 140ct96 10:11 DF = 5.00

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8620.4 ug/kg

8300.0 ug/kg

8305.9 ug/kg

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	183.4	0.0	0.158	0.158 14Oct96 10:13 DF = 5.00 %R = 94.6
11339-3 QC	OVER	0.0	0.333	0.333 14Oct96 10:15
11339-3 QC 0.508/50	85.3	0.0	0.075	0.075 14Oct96 10:17 DF = 5.00
QCSPIKE A QC	181.4	0.0	0.157	0.157 14Oct96 10:19 DF = 5.00 %R = 96.0
BLANK QC	0.0		0.000	0.000 14Oct96 10:23 CONCENTRATION LESS THAN IDL
CCV ~~8~~ QC 25	24.4	0.0	0.106	0.106 14Oct96 10:25 %R = 97.7
CCB ~~8~~ QC	1.4	0.0	0.007	0.007 14Oct96 10:27 ABS = 0.012
10940-1MS QC	34.5	0.0	0.149	0.149 14Oct96 10:29
BLANK QC	0.0		-0.010	-0.010 14Oct96 11:15 CONCENTRATION LESS THAN IDL
CCV ~~9~~ 8 QC	25.0	0.0	0.109	0.109 14Oct96 11:17 %R = 100.1
CCB ~~9~~ 8 QC	0.6	0.0	0.003	0.003 14Oct96 11:19 ABS = 0.006 CONCENTRATION LESS THAN IDL
PB,TS:14987 QC 0.500/50	0.6	0.0	0.003	0.003 14Oct96 11:21 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.4	0.0	0.089	0.089 14Oct96 11:23 %R = 101.8
LCS 1.100 QC 4ppm 500ppm	41.7	0.0	0.181	0.181 14Oct96 11:25
QCSPIKE A QC	58.3	0.0	0.258	0.258 14Oct96 11:28 %R = 83.0 %R FAILED. REPEAT BY STANDARD ADDITIONS

8395.7 ug/kg

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83.4 ~~104~~ 10/14/96

417000 ug/l

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS		
1[illegible]6-1 0.500/50	23.6	0.0	0.103	0.103		2322.4 ug/L
QC				140ct96	11:30	
QCSPIKE A	45.0	0.0	0.197	0.197		
QC				140ct96	11:32	
				%R =	107.2	
						29.9 ug/mL
10656-1D	31.9	0.0	0.137	0.137		
QC 0.502/50				140ct96	11:34	3146.0 ug/L
QCSPIKE A	49.1	0.0	0.215	0.215		
QC				140ct96	11:36	
				%R =	86.3	
1:100						
10656-1MS 0.501/50	42.8	0.0	0.186	0.186		
QC 500ppm				140ct96	11:38	85.0 ug/mL 42145.2 ug/L
QCSPIKE A	61.4	0.0	0.273	0.273		
QC				140ct96	11:40	
QCSPIKE A	145.4	0.0	0.125	0.125		
QC				140ct96	11:42	
				DF =	5.00	
10656-1MS	38.2	0.0	0.036	0.036		
QC				140ct96	11:44	
				DF =	5.00	
QCSPIKE A	151.5	0.0	0.130	0.130		
QC				140ct96	11:46	
				DF =	5.00	
				%R =	113.3	
						11.5 ug/mL
1:100						
10656-1MD	48.6	0.0	0.213	0.213		
QC 500ppm 0.507/50				140ct96	11:48	95.4 ug/mL 479289.8 ug/L
QCSPIKE A	63.8	0.0	0.284	0.284		
QC				140ct96	11:50	
QCSPIKE A	152.7	0.0	0.131	0.131		
QC				140ct96	11:52	
				DF =	5.00	
10656-1MD	45.8	0.0	0.042	0.042		
QC				140ct96	11:54	
				DF =	5.00	
QCSPIKE A	155.9	0.0	0.134	0.134		
QC				140ct96	11:56	
				DF =	5.00	
				%R =	110.1	
1[illegible]63-1	20.8	0.0	0.091	0.091		
Q[illegible]				140ct96	11:58	
QCSPIKE A	50.1	0.0	0.220	0.220		
QC				140ct96	12:00	
				%R =	147.0	

%R FAILED, REPEAT BY STANDARD ADDITIONS

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
CCV 109 QC	23.7	0.0	0.103	0.103 14Oct96 12:02 %R = 94.7
CCB 109 QC	-1.2	0.0	-0.006	-0.006 14Oct96 12:04 ABS = -0.003 CONCENTRATION LESS THAN IDL
PB,TL:14915 QC	-0.5	0.0	-0.003	-0.003 14Oct96 12:06 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.1	0.0	0.084	0.084 14Oct96 12:08 %R = 95.4
LCS QC	34.0	0.0	0.147	0.147 14Oct96 12:10
QCSPIKE A QC	53.1	0.0	0.234	0.234 14Oct96 12:12 %R = 95.2
11489-1 QC	0.2	0.0	0.001	0.001 14Oct96 12:14 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	14.4 W	0.0	0.064	0.064 14Oct96 12:17 %R = 72.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11489-1D QC	-1.1	0.0	-0.006	-0.006 14Oct96 12:19 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	12.8 W	0.0	0.057	0.057 14Oct96 12:21 %R = 63.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11489-1MS QC	25.0	0.0	0.108	0.108 14Oct96 12:23
QCSPIKE A QC	37.9	0.0	0.164	0.164 14Oct96 12:25 %R = 64.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
11489-1MD QC	25.1	0.0	0.109	0.109 14Oct96 12:27
QCSPIKE A QC	37.6	0.0	0.163	0.163 14Oct96 12:29 %R = 62.5 %R FAILED, REPEAT BY STANDARD ADDITIONS

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
[redacted]89-2 QC	0.1	0.0	0.000	0.000 140ct96 12:31 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.3	0.0	0.085	0.085 140ct96 12:33 %R = 96.5
11489-3 QC	-1.2	0.0	-0.006	-0.006 140ct96 12:35 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.1	0.0 W	0.067	0.067 140ct96 12:38 %R = 75.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11485-1 QC	0.2	0.0	0.001	0.001 140ct96 12:40 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.0	0.0	0.080	0.080 140ct96 12:42 %R = 90.2
11470-3 QC	-0.8	0.0	-0.004	-0.004 140ct96 12:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.2	0.0	0.080	0.080 140ct96 12:46 %R = 90.8
CCV 11 QC	20.2	0.0	0.089	0.089 140ct96 12:48 %R = 80.9
CCB 11 QC	-1.7	0.0	-0.008	-0.008 140ct96 12:50 ABS = -0.006 CONCENTRATION LESS THAN IDL
PB,TS:15000 QC	-0.9	0.0	-0.005	-0.005 140ct96 12:52 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.6	0.0 W	0.074	0.074 140ct96 12:55 %R = 83.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC	34.7	0.0	0.149	0.149 140ct96 12:57
QCSPIKE A QC	49.2	0.0	0.216	0.216 140ct96 12:59 %R = 73.0 %R FAILED, REPEAT BY STANDARD ADDITIONS

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11471-1 QC	18.0	0.0	0.079	0.079 14Oct96 13:01
QCSPIKE A QC	38.7	0.0	0.167	0.167 14Oct96 13:03 %R = 103.4
11471-1D QC	18.0	0.0	0.079	0.079 14Oct96 13:05
QCSPIKE A QC	34.7	0.0	0.150	0.150 14Oct96 13:08 %R = 83.6 %R FAILED, REPEAT BY STANDARD ADDITIONS
11471-1MS QC	43.8	0.0	0.191	0.191 14Oct96 13:10
QCSPIKE A QC	57.1	0.0	0.252	0.252 14Oct96 13:12 %R = 66.3 %R FAILED, REPEAT BY STANDARD ADDITIONS
11471-1MD QC	39.9	0.0	0.173	0.173 14Oct96 13:14
QCSPIKE A QC	61.9	0.0	0.275	0.275 14Oct96 13:16
QCSPIKE A QC	59.9	0.0	0.054	0.054 14Oct96 13:18 DF = 5.00
11471-1MD QC	28.9	0.0	0.029	0.029 14Oct96 13:20 DF = 5.00
QCSPIKE A QC	66.5 E	0.0	0.059	0.059 14Oct96 13:22 DF = 5.00 %R = 37.6 %R LESS THAN MINIMUM LIMIT
11489-4 QC	8.0	0.0	0.038	0.038 14Oct96 13:24
QCSPIKE A QC	16.2	0.0	0.072	0.072 14Oct96 13:26 %R = 41.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
11471-2 QC	23.1	0.0	0.101	0.101 14Oct96 13:28
QCSPIKE A QC	42.5	0.0	0.185	0.185 14Oct96 13:31 %R = 97.0

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
C[illegible]12 QC	28.6	0.0	0.123	0.123 14Oct96 13:33 %R = 114.4
CCB 12 QC	14.7	0.0	0.066	0.066 14Oct96 13:35 ABS = 0.068
11471-3 QC	9.8	0.0	0.044	0.044 14Oct96 13:37
QCSPIKE A QC	7.5	0.0 E	0.036	0.036 14Oct96 13:39 %R = -11.3 %R LESS THAN MINIMUM LIMIT
11471-4 QC	15.4	0.0	0.068	0.068 14Oct96 13:41
QCSPIKE A QC	18.1	0.0 E	0.080	0.080 14Oct96 13:43 %R = 13.5 %R LESS THAN MINIMUM LIMIT
11470-1 QC	18.5	0.0	0.082	0.082 14Oct96 13:45
QCSPIKE A QC	22.2	0.0 E	0.097	0.097 14Oct96 13:47 %R = 18.3 %R LESS THAN MINIMUM LIMIT
BLANK QC	0.0		-0.005	-0.005 14Oct96 13:54 CONCENTRATION LESS THAN IDL
CCV 13 QC 25 ppb	28.4	0.0	0.122	0.122 14Oct96 13:56 %R = 113.7
CCB 13 QC	-0.9	0.0	-0.004	-0.004 14Oct96 13:58 ABS = -0.002 CONCENTRATION LESS THAN IDL
PB,TS:15000 QC	-0.7	0.0	-0.004	-0.004 14Oct96 14:00 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	25.9	0.0 W	0.112	0.112 14Oct96 14:03 %R = 129.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC 4ppm	38.1	0.0	0.165	0.165 14Oct96 14:05 95.2 %/mm 3810.0 ug/kg

ANALYST [signature] DATE 10/14/96
REVIEW [signature] DATE 10/14/96
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0.500
50

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	58.2	0.0	0.258	0.258 14Oct96 14:07 %R = 100.4
11471-1 QC	OVER	0.0	0.316*	0.316* 14Oct96 14:09
11471-1 QC	23.1	0.0	0.023	0.023 14Oct96 14:11 DF = 5.00
QCSPIKE A QC	158.2 W	0.0	0.136	0.136 14Oct96 14:13 DF = 5.00 %R = 135.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11471-1D QC	64.9T	0.0	0.290T	0.290T 14Oct96 14:15
11471-1D QC	30.2	0.0	0.030	0.030 14Oct96 14:17 DF = 5.00
QCSPIKE A QC	167.2 W	0.0	0.144	0.144 14Oct96 14:19 DF = 5.00 %R = 136.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11471-1MS QC	OVER	0.0	0.417	0.417 14Oct96 14:21
11471-1MS QC	65.0	0.0	0.058	0.058 14Oct96 14:23 DF = 5.00
QCSPIKE A QC	192.5	0.0	0.167	0.167 14Oct96 14:25 DF = 5.00 %R = 127.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
11471-1MD QC	OVER	0.0	0.353*	0.353* 14Oct96 14:27
11471-1MD QC	67.9	0.0	0.061	0.061 14Oct96 14:29 DF = 5.00
QCSPIKE A QC	192.4	0.0	0.167	0.167 14Oct96 14:31 DF = 5.00 %R = 124.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
11489-4 QC	18.5	0.0	0.082	0.082 14Oct96 14:33

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	41.7	0.0	0.181	0.181 140ct96 14:35 %R = 115.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
11471-2 QC	53.9	0.0	0.238	0.238 140ct96 14:37
QCSPIKE A QC	OVER	0.0	0.328	0.328 140ct96 14:39
CCV 14 QC 25/10	27.4	0.0	0.118	0.118 140ct96 14:41 %R = 109.7
CCB 14 QC	0.4	0.0	0.002	0.002 140ct96 14:43 ABS = 0.004 CONCENTRATION LESS THAN IDL
11471-2 QC	44.6	0.0	0.041	0.041 140ct96 14:45 DF = 5.00
QCSPIKE A QC	170.9	0.0 W	0.147	0.147 140ct96 14:47 DF = 5.00 %R = 126.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11471-3 QC	57.2*	0.0	0.253*	0.253* 140ct96 14:49
QCSPIKE A QC	OVER	0.0	0.374*	0.374* 140ct96 14:51
QCSPIKE A QC	128.1	0.0	0.111	0.111 140ct96 14:53 DF = 5.00
11471-3 QC	7.7	0.0	0.008	0.008 140ct96 14:55 DF = 5.00
QCSPIKE A QC	144.5	0.0 W	0.124	0.124 140ct96 14:57 DF = 5.00 %R = 136.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11471-4 QC	42.2	0.0	0.184	0.184 140ct96 14:59
QCSPIKE A QC	60.0	0.0	0.267	0.267 140ct96 15:01
QCSPIKE A QC	164.8	0.0	0.142	0.142 140ct96 15:03

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403-A

DF = 5.00

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11471-4 QC	48.0	0.0	0.044	0.044 14Oct96 15:05 DF = 5.00
QCSPIKE A QC	162.6	0.0	0.140	0.140 14Oct96 15:07 DF = 5.00 %R = 114.6
11470-1 QC	OVER	0.0	0.408	0.408 14Oct96 15:09
11470-1 QC	82.0	0.0	0.073	0.073 14Oct96 15:11 DF = 5.00
QCSPIKE A QC	197.5	0.0	0.171	0.171 14Oct96 15:13 DF = 5.00 %R = 115.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
11470-2 QC	1.8	0.0	0.009	0.009 14Oct96 15:15
QCSPIKE A QC	26.1 W	0.0	0.113	0.113 14Oct96 15:17 %R = 121.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11456-1 QC	OVER	0.0	0.391	0.391 14Oct96 15:19
11456-1 QC	85.3	0.0	0.075	0.075 14Oct96 15:21 DF = 5.00
QCSPIKE A QC	216.6	0.0	0.189	0.189 14Oct96 15:23 DF = 5.00 %R = 131.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
CCV 15 QC	29.7	0.0	0.127	0.127 14Oct96 15:25 %R = 118.8
CCB 15 QC	-0.6	0.0	-0.003	-0.003 14Oct96 15:27 ABS = -0.001 CONCENTRATION LESS THAN IDL
11456-2 QC	50.8	0.0	0.223	0.223 14Oct96 15:29
QCSPIKE A QC	OVER	0.0	0.305	0.305 14Oct96 15:31

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	175.0	0.0	0.151	0.151 14Oct96 15:33 DF = 5.00
11456-2 QC	55.1	0.0	0.049	0.049 14Oct96 15:35 DF = 5.00
QCSPIKE A QC	182.2 W	0.0	0.157	0.157 14Oct96 15:37 DF = 5.00 %R = 127.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11456-3 QC	OVER	0.0	0.473	0.473 14Oct96 15:38
11456-3 QC	127.7	0.0	0.111	0.111 14Oct96 15:40 DF = 5.00
QCSPIKE A QC	230.9	0.0	0.202	0.202 14Oct96 15:42 DF = 5.00 %R = 103.2
QC	-1.2	0.0	-0.006	-0.006 14Oct96 15:44 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		0.012	0.012 14Oct96 16:29 CONCENTRATION LESS THAN IDL
CCV 16 QC	30.5 Q	0.0	0.131	0.131 14Oct96 16:31 %R = 121.9
CCB 16 QC	0.8	0.0	0.004	0.004 14Oct96 16:33 ABS = 0.008 CONCENTRATION LESS THAN IDL
10809-4 1:2 QC	9.4	0.0	0.043	0.043 14Oct96 16:35
BLANK QC	0.0		0.012	0.012 14Oct96 16:39 CONCENTRATION LESS THAN IDL
CCV 17 QC	30.8 Q	0.0	0.132	0.132 14Oct96 16:41 %R = 123.1
BLANK QC	0.0		-0.013	-0.013 14Oct96 16:44 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
CCV 18	30.7	0.0	0.132	0.132
QC		Q		14Oct96 16:46
				%R = 122.8
BLANK	0.0		-0.026	-0.026
QC				14Oct96 16:50
				CONCENTRATION LESS THAN IDL
STANDARD 1	5.0	0.0	0.031	0.031
QC				14Oct96 16:53
STANDARD 2	10.0	0.0	0.055	0.055
QC				14Oct96 16:55
STANDARD 3	30.0	0.0	0.153	0.153
QC				14Oct96 16:57
STANDARD 4	60.0	0.0	0.282	0.282
QC				14Oct96 16:59

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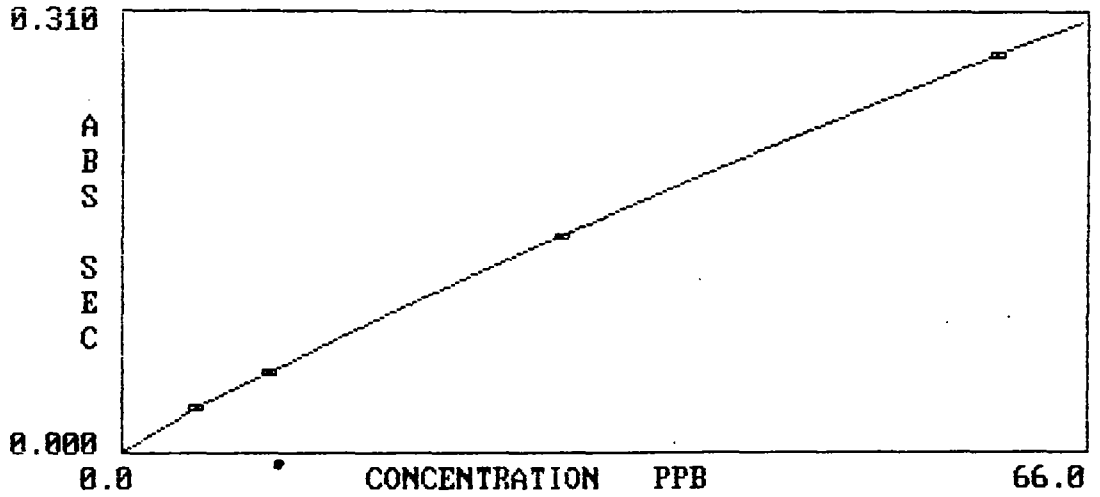

ICV	42.3	0.0	0.207	0.207
QC 40/4		Q		14Oct96 17:02
				%R = ~~167.2~~ 106.7 10-14-96
ICB	1.7	0.0	0.010	0.010
QC				14Oct96 17:04
				ABS = 0.009

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
1[redacted]B STD QC	10.9	0.0	0.060	0.060 140ct96 17:06
QCSPIKE A QC	30.2	0.0	0.154	0.154 140ct96 17:08 %R = 96.8
CCV 1 QC	25.9	0.0	0.134	0.134 140ct96 17:10 %R = 103.8
CCB 1 QC	1.6	0.0	0.010	0.010 140ct96 17:12 ABS = 0.009
10809-4 1:2 QC	6.0	0.0	0.036	0.036 140ct96 17:14
QCSPIKE A QC	22.8	0.0	0.120	0.120 140ct96 17:16 %R = 84.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 QC	8.0	0.0	0.046	0.046 140ct96 17:18
QCSPIKE A QC	24.0	0.0	0.125	0.125 140ct96 17:20 %R = 79.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-1 1:5 QC	5.8	0.0	0.035	0.035 140ct96 17:22
QCSPIKE A QC	24.0	0.0	0.125	0.125 140ct96 17:25 %R = 90.7
11341-1 1:5 QC	5.4	0.0	0.033	0.033 140ct96 17:27
QCSPIKE A QC	26.4	0.0	0.136	0.136 140ct96 17:29 %R = 105.1
11341-5 1:10 QC	29.4	0.0	0.150	0.150 140ct96 17:31
QCSPIKE A QC	50.2	0.0	0.241	0.241 140ct96 17:33 %R = 103.9
11341-6 1:10 QC	61.2	0.0	0.286	0.286 140ct96 17:35
11341-6 1:10 QC	68.6	0.0	0.075	0.075 140ct96 17:37 DF = 5.00

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SAMPLE		CONC PPB	%RSD	MEAN ABS	READINGS		
						ANALYST	10-14-96 DATE
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QCSPIKE A		171.7	0.0	0.172	0.172		
QC					14Oct96 17:39		
					DF = 5.00		
					%R = 103.1		
11317-1	1:10	8.4	0.0	0.048	0.048		
QC	0.501 / 50				14Oct96 17:41		8383.2 ug/kg
QCSPIKE A		27.9	0.0	0.143	0.143		
QC					14Oct96 17:43		
					%R = 97.1		
11317-3	1:10	5.8	0.0	0.035	0.035		
QC	0.500 / 50				14Oct96 17:45		5800.0 ug/kg
QCSPIKE A		26.6	0.0	0.137	0.137		
QC					14Oct96 17:47		
					%R = 104.0		
11335-1	1:5	10.2	0.0	0.057	0.057		
QC	0.507 / 50				14Oct96 17:49		5029.6 ug/kg
QCSPIKE A		30.7	0.0	0.156	0.156		
QC					14Oct96 17:51		
					%R = 102.4		
CCV 2		24.1	0.0	0.126	0.126		
QC Slip					14Oct96 17:53		
					%R = 96.3		
CCB 2		-0.0	0.0	-0.000	-0.000		
QC					14Oct96 17:55		
					ABS = -0.001		
					CONCENTRATION LESS THAN IDL		
11363-1	1:2	10.5	0.0	0.058	0.058		
QC	0.502 / 50				14Oct96 17:57		2091.6 ug/kg
QCSPIKE A		31.2	0.0	0.158	0.158		
QC					14Oct96 17:59		
					%R = 103.6		
11471-1	1:5	5.1	0.0	0.031	0.031		
QC	0.503 / 50				14Oct96 18:01		2534.8 ug/kg
QCSPIKE A		25.3	0.0	0.131	0.131		
QC					14Oct96 18:04		
					%R = 100.9		
						9.34 % RPD	
11471-1DP	1:5	5.6	0.0	0.034	0.034		
QC	0.503 / 50				14Oct96 18:06		2383.3 ug/kg
QCSPIKE A		25.4	0.0	0.132	0.132		
QC					14Oct96 18:08		
					%R = 98.8		
	0.501 / 50						
11471-1MS	1:5	11.2	0.0	0.062	0.062	76.4 % rec	5588.8 ug/kg
QC					14Oct96 18:10		

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SAMPLE		CONC PPB	%RSD	MEAN ABS	READINGS	
QCSPIKE A QC		30.8	0.0	0.156	0.156 140ct96 18:12 %R = 98.1	
11471-1MD1:5 QC 4ppm		11.1	0.0	0.061	0.061 140ct96 18:14	1.22 l/mg 25.1 l/mg 5538.9 ug/kg
QCSPIKE A QC		30.3	0.0	0.154	0.154 140ct96 18:16 %R = 95.7	
11489-4 QC	1:2 0.235/50	7.2	0.0	0.042	0.042 140ct96 18:18	3063.8 ug/kg
QCSPIKE A QC		24.9	0.0	0.129	0.129 140ct96 18:20 %R = 88.7	
11471-2 QC	1:5 0.513/50	8.3	0.0	0.048	0.048 140ct96 18:22	4044.8 ug/kg
QCSPIKE A QC		27.5	0.0	0.142	0.142 140ct96 18:25 %R = 96.1	
11471-3 QC	1:5 0.507/50	2.1	0.0	0.013	0.013 140ct96 18:27	1035.5 ug/kg
QCSPIKE A QC		20.8	0.0	0.110	0.110 140ct96 18:29 %R = 93.9	
11470-1 QC	1:10 0.504/50	7.2	0.0	0.042	0.042 140ct96 18:31	7142.8 ug/kg
QCSPIKE A QC		28.0	0.0	0.144	0.144 140ct96 18:33 %R = 104.0	
11456-1 QC	1:10 0.507/50	9.1	0.0	0.051	0.051 140ct96 18:35	8934.4 ug/kg
QCSPIKE A QC		27.1	0.0	0.139	0.139 140ct96 18:38 %R = 89.8	
CCV 3 QC 25ppm		24.1	0.0	0.126	0.126 140ct96 18:40 %R = 96.3	
CCB 3 QC		0.7	0.0	0.005	0.005 140ct96 18:42 ABS = 0.003 CONCENTRATION LESS THAN IDL	
11456-2 QC	1:5 0.505/50	10.3	0.0	0.057	0.057 140ct96 18:44	5099.0 ug/kg

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	27.3	0.0	0.141	0.141 14Oct96 18:46 %R = 85.1
11456-3 1:5 QC 0.506 SU	20.5	0.0	0.108	0.108 14Oct96 18:48
QCSPIKE A QC	41.1	0.0	0.202	0.202 14Oct96 18:50 %R = 103.2
QC	1.0	0.0	0.006	0.006 14Oct96 18:52
BLANK QC	0.0		-0.004	-0.004 14Oct96 18:55 CONCENTRATION LESS THAN IDL
CCV 4 QC>SU	24.4	0.0	0.127	0.127 14Oct96 18:57 %R = 97.7
CCB 4 QC	1.8	0.0	0.011	0.011 14Oct96 18:59 ABS = 0.009

10128.4

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BLANK QC	0.0		0.007	0.007 140ct96 19:37 CONCENTRATION LESS THAN IDL
CCV 5 QC	22.7	0.0	0.119	0.119 140ct96 19:40 %R = 90.9
CCB 5 QC	0.2	0.0	0.001	0.001 140ct96 19:42 ABS = 0.000 CONCENTRATION LESS THAN IDL
10809-5 QC	4.2	0.0	0.026	0.026 140ct96 19:44
QCSPIKE A QC	21.5	0.0	0.113	0.113 140ct96 19:46 %R = 86.8
CCV 6 QC	20.9	0.0	0.111	0.111 140ct96 19:48 %R = 83.8
CCB 6 QC	0.6	0.0	0.004	0.004 140ct96 19:50 ABS = 0.003 CONCENTRATION LESS THAN IDL
10809-4 1:2 QC	5.0	0.0	0.031	0.031 140ct96 19:52

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	21.1	0.0 W	0.111	0.111 140ct96 19:54 %R = 80.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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(1184)

Varian SpectrAA 300/400 Zeeman
QC Protocol Report

INCHCAPE TESTING SERVICES
NDRC LABORATORY-DALLAS
FURNACE #1

ANALYST 10-18-96 DATE
REVIEW 10-21-96 DATE
DATA ENTRY / DATE
ANALYTE INST.#

OPERATOR	ANSON
DATE	10-18-96
BATCH	CD

QC PROTOCOL PARAMETERS

IF THERE IS AN ERROR	FLAG AND CONTINUE
QC SPIKE POSITION	50
RECOVERY LIMITS (%)	85 TO 115
RECOVERY MINIMUM LIMIT (%)	40
CORRELATION COEFFICIENT (r)	0.995
OVERRANGE VOLUME REDUCTION	5
REPLICATE RSD LIMIT (%)	20.0

Std. Lot #: AB08-22I Modifier Lot #: AB08-69A

ICV Lot #: AB08-23J CCV Lot #: AB08-22I

LCS & MS/MSD Lot #: 690619

PROGRAM 38 Cd PLAT 3pt. Pd

INSTRUMENT MODE	ABSORBANCE
CALIBRATION MODE	CONCENTRATION
MEASUREMENT MODE	PEAK AREA
LAMP POSITION	8
LAMP CURRENT (mA)	4
SLIT WIDTH (nm)	0.5
SLIT HEIGHT	NORMAL
WAVELENGTH (nm)	228.8
SAMPLE INTRODUCTION	SAMPLER AUTOMIXING
TIME CONSTANT	0.05
MEASUREMENT TIME (sec)	1.0
REPLICATES	1
BACKGROUND CORRECTION	ON
MAXIMUM ABSORBANCE	1.50

FURNACE PARAMETERS

STEP NO.	TEMPERATURE (C)	TIME (sec)	GAS FLOW (L/min)	GAS TYPE	READ COMMAND
1	200	7.0	3.0	NORMAL	NO
2	300	12.0	3.0	NORMAL	NO
3	900	5.0	3.0	NORMAL	NO
4	900	15.0	0.3	NORMAL	NO
5	2100	0.7	0.1	NORMAL	YES
6	2100	3.0	0.1	NORMAL	YES
7	2300	4.0	3.0	NORMAL	NO

SAMPLER PARAMETERS

VOLUMES (fL)

	SOLUTION	BLANK	MODIFIER
BLANK	--	20	5
STANDARD 1	2	18	5
STANDARD 2	10	10	5
STANDARD 3	20	0	5
SAMPLE	20	0	5

RECALIBRATION RATE 0
RESLOPE RATE 0

MULTIPLE INJECT NO HOT INJECT YES PRE INJECT NO
TEMPERATURE 110
INJECT RATE 5

QC PROTOCOL PARAMETERS

QC STANDARD RATE	20
QC INITIAL STANDARD POSITION	48
QC INITIAL BLANK POSITION	51
QC CONTINUING STANDARD POSITION	49
QC CONTINUING BLANK POSITION	51
QC STANDARD VOLUME (fL)	20
QC STANDARD CONCENTRATION	5.00 ppb
QC STANDARD LIMITS (%)	80 TO 120
QC SPIKE RATE	1
QC SPIKE VOLUME (fL)	6
QC SPIKE CONCENTRATION	10.00 ppb
MATRIX SPIKE CONCENTRATION	0.00 ppb
INSTRUMENT DETECTION LIMIT	0.04 ppb
REQUIRED DETECTION LIMIT	0.10 ppb

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CONDITIONS FOR Cd :
Alternative Wavelengths (nm) : 326.1
Spectral Bandwidths (nm) : 0.5
Maximum Ash Temperature : 300xC
Recommended Atomize Temperature : 1800xC
Recommended Chemical Modifiers :
Monobasic ammonium phosphate (5000fg/mL solution), or
Orthophosphoric acid (1000fg/mL), or
Pd solution (500-2000fg/mL) + reducing agent (ascorbic acid).
Response with Argon : 10fL of 1.1ng/mL gives about 0.2 Abs.

The ammonium phosphate modifier was used to obtain these results, giving a smooth peak shape and a maximum ash of 600xC. Palladium modifier permits a higher ashing temperature. Use of a multi-element lamp may require a different slit width, lamp current and wavelength to isolate the analytical line.

PROGRAM 38 Cd PLAT 3pt. Pd QC ZEEMAN
BLANK REPLICATE 1
ABSORBANCE CONCENTRATION SAMPLER AUTOMIX
PEAK AREA MAX.ABS. 1.50 BC ON

AUTOMATIC RUN PAUSED PRINTING

SAMPLE LABELS

1. 1PPB STD	2. PB,DS	3. LCS
4. RWMS	5. RWMSD	6. 10809-3
7. 10809-3DP	8. 10809-1	9. 10809-4
10. 10809-5	11. PB,TL:14742	12. LCS
13. 10759-2	14. 10759-2DP	15. 10759-2MS
16. 10759-2MD	17. 10809-1	18. 10809-3
19. 10809-4	20. 10809-5	21. PB,NL:14891
22. LCS	23. 11211-1	24. 11211-1DP
25. 11211-1MS	26. 11211-1MD	27. 11196-1
28. 11196-2	29. 11196-3	30. PB,NL:14920
31. LCS	32. RWMS	33. RWMSD
34. 11329-1 1:5	35. 11329-1DP1:5	36.
37.	38.	39.
40.	41.	42.
43.	44.	45.

F INCREMENT 1 LABELS

F CALIBRATION 5

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
BLANK	0.00		-0.004	-0.004
QC				18Oct96 09:59
				CONCENTRATION LESS THAN IDL
STANDARD 1	1.00	0.0	0.035	0.035
QC				18Oct96 10:01
STANDARD 2	5.00	0.0	0.183	0.183
QC				18Oct96 10:02
STANDARD 3	10.00	0.0	0.310	0.310
QC				18Oct96 10:04

lot: 0.995

ANALYST 10-8-96 DATE
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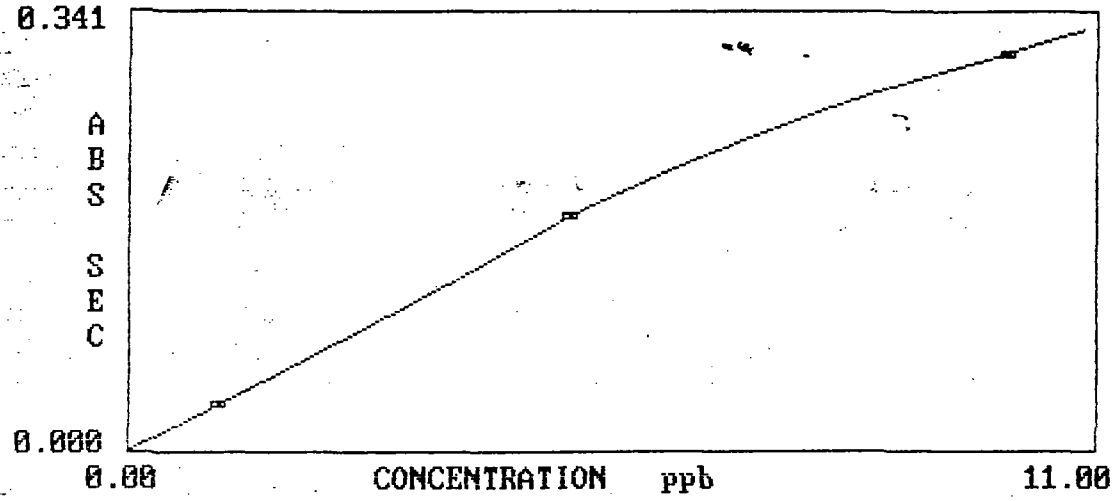

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
ICV QC 6ppb	5.66	0.0	0.204	0.204 180ct96 10:06 %R = ~~113.3~~ 94.3 10/19/96
ICB QC	0.02	0.0	0.001	0.001 180ct96 10:08 ABS = -0.000 CONCENTRATION LESS THAN IDL
1PPB STD 2 QC	1.22	0.0	0.043	0.043 180ct96 10:10
BLANK QC	0.00		-0.000	-0.000 180ct96 10:12 CONCENTRATION LESS THAN IDL
CCV 1 QC 6ppb	4.94	0.0	0.180	0.180 180ct96 10:14 %R = 98.9
CCB 1 QC	-0.01	0.0	-0.001	-0.001 180ct96 10:16 ABS = -0.002 CONCENTRATION LESS THAN IDL
1PPB STD QC	0.95	0.0	0.033	0.033 180ct96 10:18

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	4.71	0.0 W	0.172	0.172 18Oct96 10:20 %R = 125.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV 2 QC 5 ppb	4.85	0.0	0.177	0.177 18Oct96 10:21 %R = 96.9
CCB 2 QC	0.02	0.0	0.001	0.001 18Oct96 10:23 ABS = -0.000 CONCENTRATION LESS THAN IDL
PB,DS (10096AF) QC	-0.05	0.0	-0.002	-0.002 18Oct96 10:25 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.80	0.0 W	0.137	0.137 18Oct96 10:27 %R = 126.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC 5ppb	5.20	0.0	0.189	0.189 18Oct96 10:29 %R=104 5.20 ug/L
QCSPIKE A QC	10.97	0.0	0.331	0.331 18Oct96 10:30
QCSPIKE A QC	17.84	0.0	0.128	0.128 18Oct96 10:32 DF = 5.00
LCS QC	5.33	0.0	0.038	0.038 18Oct96 10:34 DF = 5.00
QCSPIKE A QC	18.56	0.0	0.134	0.134 18Oct96 10:36 DF = 5.00 %R = 88.1
RWMS QC 5ppb	5.09	0.0	0.186	0.186 18Oct96 10:37 %R=102 5.09 ug/L
QCSPIKE A QC	9.80	0.0	0.306	0.306 18Oct96 10:39 %R = 157.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC 5ppb	4.98	0.0	0.182	0.182 18Oct96 10:41 %R=99.6 4.98 ug/L
QCSPIKE A QC	10.06	0.0	0.311	0.311 18Oct96 10:43
QCSPIKE A QC	18.13	0.0	0.131	0.131 18Oct96 10:45 DF = 5.00

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
RWMSD QC	4.87	0.0	0.034	0.034 18Oct96 10:46 DF = 5.00
QCSPIKE A QC	19.28	0.0	0.139	0.139 18Oct96 10:48 DF = 5.00 %R = 96.1
10809-3 QC	OVER	0.0	4.000B	4.000B 18Oct96 10:50
10809-3 QC	-1.46	0.0	-0.010	-0.010 18Oct96 10:52 DF = 5.00 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	14.49B	0.0	0.104B	0.104B 18Oct96 10:53 DF = 5.00 %R = 96.6
10809-3DP QC	OVER	0.0	4.000B	4.000B 18Oct96 10:55
10809-3DP QC	-0.29	0.0	-0.002	-0.002 18Oct96 10:57 DF = 5.00 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	13.76B	0.0	0.098B	0.098B 18Oct96 10:58 DF = 5.00 %R = 91.8
CCV 3 QC	6.00	0.0	0.214	0.214 18Oct96 11:00 %R = 119.9
CCB 3 QC	0.03	0.0	0.001	0.001 18Oct96 11:02 ABS = -0.000 CONCENTRATION LESS THAN IDL
10809-1 QC	-0.17	0.0	-0.006	-0.006 18Oct96 11:04 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.64B W	0.0	0.131B	0.131B 18Oct96 11:06 %R = 121.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-4 QC	10.38B	0.0	0.318B	0.318B 18Oct96 11:07
10809-4 QC	0.18	0.0	0.001	0.001 18Oct96 11:09 DF = 5.00

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	16.38	0.0	0.118	0.118 18Oct96 11:11 DF = 5.00 %R = 108.1
10809-5 QC	5.86B	0.0	0.210B	0.210B 18Oct96 11:12
QCSPIKE A QC	10.41B	0.0	0.319B	0.319B 18Oct96 11:14
QCSPIKE A QC	16.67	0.0	0.120	0.120 18Oct96 11:16 DF = 5.00
10809-5 QC	0.67	0.0	0.005	0.005 18Oct96 11:18 DF = 5.00
QCSPIKE A QC	16.37	0.0	0.118	0.118 18Oct96 11:19 DF = 5.00 %R = 104.7
PB,TL:14742 QC	0.00	0.0	0.000	0.000 18Oct96 11:21 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.38	0.0	0.121	0.121 18Oct96 11:23 %R = 112.5
LCS QC 3ppb	3.05	0.0	0.109	0.109 18Oct96 11:25 %R = 113
QCSPIKE A QC	6.21	0.0	0.221	0.221 18Oct96 11:27 %R = 105.5
10759-2 QC	-0.02	0.0	-0.001	-0.001 18Oct96 11:28 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.41	0.0	0.123	0.123 18Oct96 11:30 %R = 113.6
10759-2DP QC	-0.05	0.0	-0.002	-0.002 18Oct96 11:32 %RPD-NC CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.00	0.0	0.108	0.108 18Oct96 11:34 %R = 100.1
10759-2MS QC 3ppb	2.55	0.0	0.091	0.091 18Oct96 11:36 %R = 94.3

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	5.78	0.0	0.208	0.208 18Oct96 11:38 %R = 107.5
CCV 4 QC 6ppb	4.99	0.0	0.182	0.182 18Oct96 11:39 %R = 99.7
CCB 4 QC	0.04	0.0	0.001	0.001 18Oct96 11:41 ABS = 0.000 CONCENTRATION LESS THAN IDL
10759-2MD 46 50 QC3ppb	2.77	0.0	0.099	0.099 18Oct96 11:43 %RPD=8.82 %R=103 3.06 mg/L
QCSPIKE A QC	6.43	0.0	0.227	0.227 18Oct96 11:45 %R = 121.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-1 QC	0.01	0.0	0.001	0.001 18Oct96 11:47 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.17	0.0	0.114	0.114 18Oct96 11:48 %R = 105.7
10809-3 QC	-0.15	0.0	-0.005	-0.005 18Oct96 11:50 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.82B W	0.0	0.138B	0.138B 18Oct96 11:52 %R = 127.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-4 QC	0.01B	0.0	0.000B	0.000B 18Oct96 11:54 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.01	0.0	0.108	0.108 18Oct96 11:56 %R = 100.4
10809-5 QC	-0.22B	0.0	-0.008B	-0.008B 18Oct96 11:58 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.35	0.0	0.120	0.120 18Oct96 12:00 %R = 111.5
PB,NL:14891 QC	0.08	0.0	0.003	0.003 18Oct96 12:01

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SAMPLE	CONC ppb		%RSD	MEAN ABS	READINGS
QCSPIKE A QC	3.75	W	0.0	0.135	0.135 18Oct96 12:03 %R = 122.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC	3.96		0.0	0.143	0.143 18Oct96 12:05
QCSPIKE A QC	7.06		0.0	0.244	0.244 18Oct96 12:07 %R = 103.4
11211-1 QC	0.27		0.0	0.009	0.009 18Oct96 12:09
QCSPIKE A QC	3.77	W	0.0	0.136	0.136 18Oct96 12:11 %R = 116.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11211-1DP QC	0.25		0.0	0.009	0.009 18Oct96 12:13
QCSPIKE A QC	3.95	W	0.0	0.143	0.143 18Oct96 12:15 %R = 123.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11211-1MS QC	3.42		0.0	0.123	0.123 18Oct96 12:16
QCSPIKE A QC	6.58		0.0	0.231	0.231 18Oct96 12:18 %R = 105.3
CCV 5 QC	5.63		0.0	0.203	0.203 18Oct96 12:20 %R = 112.6
CCB 5 QC	0.02		0.0	0.001	0.001 18Oct96 12:22 ABS = -0.000 CONCENTRATION LESS THAN IDL
11211-1MD QC	3.44		0.0	0.124	0.124 18Oct96 12:24
QCSPIKE A QC	6.80		0.0	0.237	0.237 18Oct96 12:26 %R = 111.9
11196-1 QC	0.61		0.0	0.022	0.022 18Oct96 12:27
QCSPIKE A QC	3.64		0.0	0.131	0.131 18Oct96 12:29 %R = 101.1

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
11196-2 QC	1.74	0.0	0.062	0.062 18Oct96 12:31
QCSPIKE A QC	5.01	0.0	0.183	0.183 18Oct96 12:33 %R = 109.1
11196-3 QC	1.14	0.0	0.040	0.040 18Oct96 12:35
QCSPIKE A QC	4.49	0.0	0.163	0.163 18Oct96 12:37 %R = 111.5
PB,NL:14920 QC	-0.02	0.0	-0.001	-0.001 18Oct96 12:38 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.65 W	0.0	0.131	0.131 18Oct96 12:40 %R = 121.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC	2.93	0.0	0.105	0.105 18Oct96 12:42
QCSPIKE A QC	6.10	0.0	0.217	0.217 18Oct96 12:44 %R = 105.8
RWMS QC	3.33	0.0	0.120	0.120 18Oct96 12:46
QCSPIKE A QC	5.41	0.0	0.196	0.196 18Oct96 12:48 %R = 69.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC	2.90	0.0	0.104	0.104 18Oct96 12:49
QCSPIKE A QC	5.86	0.0	0.210	0.210 18Oct96 12:51 %R = 98.9
11329-1 1:5 QC	1.83	0.0	0.065	0.065 18Oct96 12:53
QCSPIKE A QC	4.93	0.0	0.180	0.180 18Oct96 12:55 %R = 103.4
11329-1DP1:5 QC	1.78	0.0	0.063	0.063 18Oct96 12:57
QCSPIKE A QC	5.18	0.0	0.189	0.189 18Oct96 12:58 %R = 113.4

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SAMPLE	CONC ppb		%RSD	MEAN ABS	READINGS
CCV 6 QC 5ppb	5.47		0.0	0.198	0.198 18Oct96 13:00 %R = 109.5
CCB 6 QC	-0.01		0.0	-0.000	-0.000 18Oct96 13:02 ABS = -0.001 CONCENTRATION LESS THAN IDL
10809-3 1:50 QC	0.01		0.0	0.000	0.000 18Oct96 13:04 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.50	W	0.0	0.126	0.126 18Oct96 13:06 %R = 116.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3DUP 1:50 QC	0.04		0.0	0.001	0.001 mg/L 18Oct96 13:07 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.47	W	0.0	0.125	0.125 18Oct96 13:09 %R = 115.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.01		0.0	0.000	0.000 18Oct96 13:11 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.36		0.0	0.121	0.121 18Oct96 13:13 %R = 112.1
QC	-0.03		0.0	-0.001	-0.001 18Oct96 13:15 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.45	W	0.0	0.124	0.124 18Oct96 13:17 %R = 115.0 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.03		0.0	0.001	0.001 18Oct96 13:18 CONCENTRATION LESS THAN IDL
BLANK CC	0.00			0.003	0.003 18Oct96 13:31 CONCENTRATION LESS THAN IDL
CCV 7 CC 5ppb	5.68		0.0	0.205	0.205 18Oct96 13:33 %R = 113.6
CCB 7 CC	0.02		0.0	0.001	0.001 18Oct96 13:35 ABS = 0.000 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
10809-3 1:10 QC	-0.28	0.0	-0.010	-0.010 18Oct96 13:37 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.41T	0.0	0.123T	0.123T 18Oct96 13:39 %R = 113.6
10809-3DP:10 QC	-0.36B	0.0	-0.013B	-0.013B 18Oct96 13:40 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.55	0.0 W	0.128	0.128 18Oct96 13:42 %R = 118.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-1 1:5 QC	-0.02	0.0	-0.001	-0.001 18Oct96 13:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.26	0.0	0.117	0.117 18Oct96 13:46 %R = 108.7
10809-4 1:5 QC	-0.03	0.0	-0.001	-0.001 18Oct96 13:47 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.43	0.0	0.123	0.123 18Oct96 13:49 %R = 114.2
10809-3 1:5 QC	-0.10B	0.0	-0.004B	-0.004B 18Oct96 13:51 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.31B	0.0	0.119B	0.119B 18Oct96 13:53 %R = 110.2
10809-4 1:5 QC	0.09	0.0	0.003	0.003 18Oct96 13:55
QCSPIKE A QC	3.50	0.0	0.126	0.126 18Oct96 13:57 %R = 113.5
BLANK QC	0.00		0.000	0.000 18Oct96 14:00 CONCENTRATION LESS THAN IDL
CCV 8 QC	5.75	0.0	0.207	0.207 18Oct96 14:02 %R = 115.0
CCB 8 QC	-0.04	0.0	-0.001	-0.001 18Oct96 14:04 ABS = -0.002 CONCENTRATION LESS THAN IDL

0.50 %

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
10809-3 1:25 QC	0.02	0.0	0.001	0.001 18Oct96 14:05 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.13	0.0	0.112	0.112 18Oct96 14:07 %R = 104.5
10809-4 1:5 QC	0.16	0.0	0.006	0.006 18Oct96 14:09
QCSPIKE A QC	3.56	0.0	0.128	0.128 18Oct96 14:11 %R = 113.4
10809-5 1:5 QC	0.14	0.0	0.005	0.005 18Oct96 14:12
QCSPIKE A QC	3.61	0.0 W	0.130	0.130 18Oct96 14:14 %R = 115.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 1:5 QC	0.07	0.0	0.002	0.002 18Oct96 14:16
QCSPIKE A QC	3.40	0.0	0.122	0.122 18Oct96 14:18 %R = 111.1
QC	0.03	0.0	0.001	0.001 18Oct96 14:20 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.35	0.0	0.120	0.120 18Oct96 14:22 %R = 111.5
BLANK QC	0.00		0.003	0.003 18Oct96 14:24 CONCENTRATION LESS THAN IDL
CCV 9 QC5ppb	5.47	0.0	0.198	0.198 18Oct96 14:26 %R = 109.5
CCB 9 QC	-0.03	0.0	-0.001	-0.001 18Oct96 14:28 ACE = -0.001 CONCENTRATION LESS THAN IDL
FB,NL:14891 QC	-0.04	0.0	-0.001	-0.001 18Oct96 14:30 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.47	0.0 W	0.125	0.125 18Oct96 14:31 %R = 115.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
LCS QC3ppb	3.06	0.0	0.110	0.110 10Oct96 14:33 %R = 102
QCSPIKE A QC	6.81	0.0	0.238	0.238 10Oct96 14:35 %R = 124.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
11211-1 QC	0.18	0.0	0.006	0.006 10Oct96 14:37
QCSPIKE A QC	3.67 W	0.0	0.132	0.132 10Oct96 14:39 %R = 116.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11211-1DP QC	0.11	0.0	0.004	0.004 10Oct96 14:41 %RPD=NC
QCSPIKE A QC	3.65 W	0.0	0.131	0.131 10Oct96 14:43 %R = 117.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11211-1MS QC3ppb	3.27	0.0	0.117	0.117 10Oct96 14:44 %R=103
QCSPIKE A QC	6.49	0.0	0.229	0.229 10Oct96 14:46 %R = 107.5
11211-1MD QC3ppb	3.30	0.0	0.119	0.119 10Oct96 14:48 %RPD=0.97 %R=104
QCSPIKE A QC	6.76	0.0	0.236	0.236 10Oct96 14:50 %R = 115.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
11196-1 QC	0.59	0.0	0.021	0.021 10Oct96 14:52
QCSPIKE A QC	4.23 W	0.0	0.153	0.153 10Oct96 14:54 %R = 121.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11196-2 QC	1.76	0.0	0.062	0.062 10Oct96 14:56
QCSPIKE A QC	5.17	0.0	0.188	0.188 10Oct96 14:58 %R = 113.9
11196-3 QC	1.15	0.0	0.040	0.040 10Oct96 14:59 1.15

3.06 ug/L

0.18 ug/L

0.11 ug/L

3.27 ug/L

3.30 ug/L

0.59 ug/L

1.76 ug/L

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	4.86	0.0 W	0.177	0.177 100ct96 15:01 %R = 123.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
PB,NL:14920 QC 100/100	-0.08	0.0	-0.003	-0.003 100ct96 15:03 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.65	0.0 W	0.132	0.132 100ct96 15:05 %R = 121.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV 10 QC 5ppb	5.27	0.0	0.192	0.192 100ct96 15:07 %R = 105.5
CCB 10 QC	-0.07	0.0	-0.002	-0.002 100ct96 15:08 ABS = -0.002 CONCENTRATION LESS THAN IDL
LCS 100/100 QC	2.90	0.0	0.104	0.104 100ct96 15:10
QCSPIKE A QC	6.71	0.0	0.235	0.235 100ct96 15:12 %R = 127.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC	2.94	0.0	0.105	0.105 100ct96 15:14
QCSPIKE A QC	6.32	0.0	0.224	0.224 100ct96 15:16 %R = 112.5
RWMSD QC	3.01	0.0	0.108	0.108 100ct96 15:17
QCSPIKE A QC	7.24	0.0	0.249	0.249 100ct96 15:19 %R = 140.7 %R FAILED, REPEAT BY STANDARD ADDITIONS
11329-1 1:5 QC	1.74	0.0	0.061	0.061 100ct96 15:21
QCSPIKE A QC	5.05	0.0	0.184	0.184 100ct96 15:23 %R = 110.4
11329-1DP1:5 QC	1.81	0.0	0.064	0.064 100ct96 15:25
QCSPIKE A QC	5.21	0.0	0.190	0.190 100ct96 15:27 %R = 113.5

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QC	-0.11	0.0	-0.004	-0.004 18Oct96 15:28 CONCENTRATION LESS THAN IDL
BLANK QC	0.00		-0.009	-0.009 18Oct96 15:32 CONCENTRATION LESS THAN IDL
CCV 11 QC 6ppb	5.67	0.0	0.204	0.204 18Oct96 15:34 %R = 113.3
CCB 11 QC	0.06	0.0	0.002	0.002 18Oct96 15:36 ABS = 0.000
QC	0.09	0.0	0.003	0.003 18Oct96 15:38
QCSPIKE A QC	3.69	0.0 W	0.133	0.133 18Oct96 15:39 %R = 120.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.08	0.0	0.003	0.003 18Oct96 15:41
QCSPIKE A QC	3.69	0.0 W	0.133	0.133 18Oct96 15:43 %R = 120.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
BLANK QC	0.00		0.006	0.006 18Oct96 15:46 CONCENTRATION LESS THAN IDL
CCV 12 QC 5ppb	5.34	0.0	0.194	0.194 18Oct96 15:47 %R = 106.9
CCB 12 QC	0.01	0.0	0.000	0.000 18Oct96 15:49 ABS = 0.000 CONCENTRATION LESS THAN IDL
LCS QC	3.22	0.0	0.116	0.116 18Oct96 15:51
QCSPIKE A QC	6.90	0.0	0.240	0.240 18Oct96 15:53 %R 122.6 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC	3.34	0.0	0.120	0.120 18Oct96 15:55
QCSPIKE A QC	6.61	0.0	0.232	0.232 18Oct96 15:57 %R = 108.9

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SAMPLE	CONC ppb		%RSD	MEAN ABS	READINGS
RWMSD QC	3.52		0.0	0.127	0.127 10Oct96 15:58
QCSPIKE A QC	6.43		0.0	0.227	0.227 10Oct96 16:00 %R = 96.9
11329-1 1:5 QC	1.76		0.0	0.062	0.062 10Oct96 16:02
QCSPIKE A QC	5.15		0.0	0.187	0.187 10Oct96 16:04 %R = 112.7
11329-1DP1:5 QC	1.79		0.0	0.063	0.063 10Oct96 16:06
QCSPIKE A QC	5.20		0.0	0.189	0.189 10Oct96 16:07 %R = 113.8
QC	-0.04		0.0	-0.001	-0.001 10Oct96 16:09 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.61	W	0.0	0.130	0.130 10Oct96 16:11 %R = 120.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.09		0.0	0.003	0.003 10Oct96 16:13
QCSPIKE A QC	3.62	W	0.0	0.131	0.131 10Oct96 16:15 %R = 117.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	-0.00		0.0	-0.000	-0.000 10Oct96 16:16 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.66	W	0.0	0.132	0.132 10Oct96 16:18 %R = 121.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.06		0.0	0.002	0.002 10Oct96 16:20
QCSPIKE A QC	3.55	W	0.0	0.128	0.128 10Oct96 16:22 %R = 116.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	-0.04		0.0	-0.001	-0.001 10Oct96 16:24 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	3.51	0.0 W	0.126	0.126 10Oct96 16:26 %R = 117.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV 13 QC 5ppb	5.77	0.0	0.207	0.207 10Oct96 16:27 %R = 115.4
CCB 13 QC	0.00	0.0	0.000	0.000 10Oct96 16:29 ABS = -0.000 CONCENTRATION LESS THAN IDL
QC	0.02	0.0	0.001	0.001 10Oct96 16:31 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.53	0.0 W	0.127	0.127 10Oct96 16:33 %R = 117.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.04	0.0	0.001	0.001 10Oct96 16:35
BLANK QC	0.00		0.006	0.006 10Oct96 16:39 CONCENTRATION LESS THAN IDL
CCV 14 QC 5ppb	5.78	0.0	0.208	0.208 10Oct96 16:40 %R = 115.6
CCB 14 QC	-0.04	0.0	-0.001	-0.001 10Oct96 16:42 ABS = 0.000 CONCENTRATION LESS THAN IDL
LCS QC	3.45	0.0	0.124	0.124 10Oct96 16:44
QCSPIKE A QC	6.26	0.0	0.222	0.222 10Oct96 16:46 %R = 93.5
RWMS QC	3.48	0.0	0.125	0.125 10Oct96 16:48
BLANK QC	0.00		-0.007	-0.007 10Oct96 16:51 CONCENTRATION LESS THAN IDL
CCV 15 QC	5.91	0.0	0.212	0.212 10Oct96 16:53 %R = 118.2

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
CCB 15 QC	-0.02	0.0	-0.001	-0.001 10Oct96 16:54 ABS = -0.001 CONCENTRATION LESS THAN IDL
LCS QC	3.33	0.0	0.120	0.120 10Oct96 16:56
BLANK QC	0.00		0.001	0.001 10Oct96 17:00 CONCENTRATION LESS THAN IDL
CCV 16 QC 5ppb	5.87	0.0	0.210	0.210 10Oct96 17:01 %R = 117.5
CCB 16 QC	-0.03	0.0	-0.001	-0.001 10Oct96 17:03 ABS = -0.001 CONCENTRATION LESS THAN IDL
LCS QC	3.39	0.0	0.122	0.122 10Oct96 17:05
QCSPIKE A QC	7.69	0.0	0.260	0.260 10Oct96 17:07 %R = 143.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC	3.38	0.0	0.122	0.122 10Oct96 17:08
QCSPIKE A QC	7.34	0.0	0.252	0.252 10Oct96 17:10 %R = 132.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC	3.61	0.0	0.130	0.130 10Oct96 17:12
QCSPIKE A QC	7.27	0.0	0.250	0.250 10Oct96 17:14 %R = 121.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
11329-1 1:5 QC	1.73	0.0	0.061	0.061 10Oct96 17:16
QCSPIKE A QC	5.40 W	0.0	0.196	0.196 10Oct96 17:18 %R 122.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
BLANK QC	0.00		0.032	0.032 10Oct96 17:21 CONCENTRATION LESS THAN IDL

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
BLANK QC	0.00		-0.018	-0.018 10Oct96 17:24 CONCENTRATION LESS THAN IDL
CCV 18 QC 5ppb	4.60	0.0	0.167	0.167 10Oct96 17:26 %R = 91.9
CCB 18 QC	-0.23	0.0	-0.008	-0.008 10Oct96 17:27 ABS = -0.004 CONCENTRATION LESS THAN IDL
LCS QC	2.64	0.0	0.094	0.094 10Oct96 17:29
BLANK QC	0.00		-0.009	-0.007 10Oct96 17:32 CONCENTRATION LESS THAN IDL
CCV 19 QC 5ppb	4.82	0.0	0.176	0.176 10Oct96 17:33 %R = 96.5
CCB 19 QC	-0.01	0.0	-0.000	-0.000 10Oct96 17:35 ABS = 0.001 CONCENTRATION LESS THAN IDL
LCS QC	2.96	0.0	0.106	0.106 10Oct96 17:37
CCSPIKE A QC	4.90	0.0	0.179	0.179 10Oct96 17:39 %R = 64.6 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC	2.74	0.0	0.098	0.098 10Oct96 17:40
CCSPIKE A QC	8.11	0.0	0.271	0.271 10Oct96 17:42 %R = 178.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC	2.95	0.0	0.106	0.106 10Oct96 17:44
CCSPIKE A QC	7.03	0.0	0.244	0.244 10Oct96 17:46 %R = 155.3 %R FAILED. REPEAT BY STANDARD ADDITIONS
11029-1 1:5 QC	1.38	0.0	0.049	0.049 10Oct96 17:48
CCSPIKE A QC	3.20	0.0	0.115	0.115 10Oct96 17:50 %R = 68.0 %R FAILED. REPEAT BY STANDARD ADDITIONS

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
11329-1DP1:5 CC	1.27	0.0	0.045	0.045 10DEC96 17:51
QCSPIKE A QC	3.34	0.0	0.120	0.120 10DEC96 17:53 %R = 68.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
QC	-0.12	0.0	-0.004	-0.004 10DEC96 17:55 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.29	0.0	0.118	0.118 10DEC96 17:57 %R = 109.5
QC	-0.13	0.0	-0.004	-0.004 10DEC96 17:59 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.29	0.0	0.118	0.118 10DEC96 18:00 %R = 109.7
CC	-0.13	0.0	-0.005	-0.005 10DEC96 18:02 CONCENTRATION LESS THAN IDL
QCSPIKE A CC	3.16	0.0	0.113	0.113 10DEC96 18:04 %R = 105.4
QC	-0.16	0.0	-0.006	-0.006 10DEC96 18:06 CONCENTRATION LESS THAN IDL
BLANK QC	0.00		-0.008	-0.008 10DEC96 18:08 CONCENTRATION LESS THAN IDL
CCV 20 CC Spp9	3.60 Q	0.0	0.130	0.130 10DEC96 18:10 %R = 72.0
BLANK CC	0.00		0.002	0.002 10DEC96 18:13 CONCENTRATION LESS THAN IDL
CCV 21 CC Spp5	4.71	0.0	0.171	0.171 10DEC96 18:15 %R = 94.1
CCB 21 CC	0.04	0.0	0.002	0.002 10DEC96 18:18 %R = 0.001
LCS CC	2.79	0.0	0.100	0.100 10DEC96 18:18

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SAMPLE	CONC ppb		%RSD	MEAN ABS	READINGS
QCSPIKE A QC	4.35		0.0	0.158	0.158 10OCT96 18:20 %R = 51.7 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC	2.50		0.0	0.089	0.089 10OCT96 18:22
QCSPIKE A QC	2.98	E	0.0	0.107	0.107 10OCT96 18:24 %R = 15.9 %R LESS THAN MINIMUM LIMIT
RWMSD QC	2.58		0.0	0.092	0.092 10OCT96 18:26
QCSPIKE A QC	3.27	E	0.0	0.117	0.117 10OCT96 18:27 %R = 23.1 %R LESS THAN MINIMUM LIMIT
11329-1 1:5 QC	1.29		0.0	0.045	0.045 10OCT96 18:29
QCSPIKE A QC	2.85		0.0	0.102	0.102 10OCT96 18:31 %R = 52.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
11329-1DP1:5 QC	1.21		0.0	0.043	0.043 10OCT96 18:33
QCSPIKE A QC	2.74		0.0	0.098	0.098 10OCT96 18:35 %R = 51.1 %R FAILED, REPEAT BY STANDARD ADDITIONS
QC	-0.03		0.0	-0.001	-0.001 10OCT96 18:36 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.47	W	0.0	0.125	0.125 10OCT96 18:38 %R = 115.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.02		0.0	0.001	0.001 10OCT96 18:40 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.56	W	0.0	0.128	0.128 10OCT96 18:42 %R = 118.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	-0.02		0.0	-0.001	-0.001 10OCT96 18:44 CONCENTRATION LESS THAN IDL

SAMPLE	CONC ppb		%RSD	MEAN ABS	READINGS
CCSPIKE A QC	3.62	W	0.0	0.131	0.131 18Oct96 18:45 %R = 120.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.01		0.0	0.001	0.001 18Oct96 18:47 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.59	W	0.0	0.129	0.129 18Oct96 18:49 %R = 119.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.04		0.0	0.001	0.001 18Oct96 18:51 CONCENTRATION LESS THAN IDL
CCSPIKE A QC	3.61	W	0.0	0.130	0.130 18Oct96 18:53 %R = 120.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV 22 QC	4.22		0.0	0.153	0.153 18Oct96 18:55 %R = 84.4
BLANK QC	0.00			-0.003	-0.003 18Oct96 18:58 CONCENTRATION LESS THAN IDL
CCV 23 QC	3.37	Q	0.0	0.121	0.121 18Oct96 19:00 %R = 67.3
BLANK QC	0.00			0.003	0.003 18Oct96 19:04 CONCENTRATION LESS THAN IDL
CCV 24 QC	3.55	Q	0.0	0.128	0.128 18Oct96 19:05 %R = 71.1
CCB 24 QC	-0.06		0.0	-0.002	-0.002 18Oct96 19:07 ABS = -0.003 CONCENTRATION LESS THAN IDL
LCS QC	1.91		0.0	0.068	0.068 18Oct96 19:09
BLANK QC	0.00			-0.003	-0.003 18Oct96 19:13 CONCENTRATION LESS THAN IDL
CCV 25 QC	3.59	Q	0.0	0.129	0.129 18Oct96 19:14 %R = 71.8

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
CCB 25 QC	0.01	0.0	0.000	0.000 18Oct96 19:16 ABS = -0.001 CONCENTRATION LESS THAN IDL
BLANK QC	0.00		0.007	0.007 18Oct96 19:20 CONCENTRATION LESS THAN IDL
CCV 26 QC 5 ppb	5.21	0.0	0.189	0.189 18Oct96 19:22 %R = 104.2
CCB 26 QC	0.03	0.0	0.001	0.001 18Oct96 19:24 ABS = 0.002 CONCENTRATION LESS THAN IDL
LCS 100/100 QC 3/11	2.66	0.0	0.095	0.095 18Oct96 19:26 %R = 88.7 2.66 mg/L
QCSPIKE A QC	7.30	0.0	0.251	0.251 18Oct96 19:28 %R = 154.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC 3/11	2.48	0.0	0.088	0.088 18Oct96 19:29 %R = 82.7 2.48 mg/L
QCSPIKE A QC	6.83	0.0	0.238	0.238 18Oct96 19:31 %R = 145.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC 3/11	2.57	0.0	0.092	0.092 %RPD = 3.56 18Oct96 19:33 %R = 85.7 2.57 mg/L
QCSPIKE A QC	7.02	0.0	0.243	0.243 18Oct96 19:35 %R = 148.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
11329-1 1:5 50/100 QC	1.83	0.0	0.065	0.065 18Oct96 19:37 18.3 mg/L
QCSPIKE A QC	5.60 W	0.0	0.202	0.202 18Oct96 19:39 %R = 125.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11329-1DP1:5 QC	1.91	0.0	0.068	%RPD = 4.28 0.068 18Oct96 19:40 19.1 mg/L
QCSPIKE A QC	6.07 W	0.0	0.216	0.216 18Oct96 19:42 %R = 138.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QC	0.04	0.0	0.001	0.001 180ct96 19:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.39	0.0	0.122	0.122 180ct96 19:46 %R = 113.1
QC	0.01	0.0	0.000	0.000 180ct96 19:47 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.37	0.0	0.121	0.121 180ct96 19:49 %R = 112.3
QC	0.02	0.0	0.001	0.001 180ct96 19:51 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.45 W	0.0	0.124	0.124 180ct96 19:53 %R = 115.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.01	0.0	0.000	0.000 180ct96 19:55 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.40	0.0	0.122	0.122 180ct96 19:57 %R = 113.5
QC	0.01	0.0	0.001	0.001 180ct96 19:58 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.32	0.0	0.119	0.119 180ct96 20:00 %R = 110.5
CCV 27 QC 5 ppb	5.28	0.0	0.192	0.192 180ct96 20:02 %R = 105.6
CCB 27 QC	0.01	0.0	0.001	0.001 180ct96 20:04 ABS = 0.001 CONCENTRATION LESS THAN IDL
QC	-0.00	0.0	-0.000	-0.000 180ct96 20:06 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.45 W	0.0	0.124	0.124 180ct96 20:08 %R = 115.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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(1144)

Varian SpectrAA 300/400 Zeeman QC Protocol Report

INCAPE TESTING SERVICES
NDRC LABORATORY-DALLAS
FURNACE #4

OPERATOR	MARTY
DATE	10-10-96
BATCH	SB

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QC PROTOCOL PARAMETERS

IF THERE IS AN ERROR	FLAG AND CONTINUE
QC SPIKE POSITION	50
RECOVERY LIMITS (%)	85 TO 115
RECOVERY MINIMUM LIMIT (%)	40
CORRELATION COEFFICIENT (r)	0.995
OVERRANGE VOLUME REDUCTION	5
REPLICATE RSD LIMIT (%)	20.0

Std. Lot #: AA208-20E Modifier Lot #: AA208-69A
ICV Lot #: AA208-20J CCV Lot #: AA208-20E
LCS & MS/MSD Lot #: 690614

PROGRAM 1 Sb PLAT.3PT.Pd

INSTRUMENT MODE	ABSORBANCE
CALIBRATION MODE	CONCENTRATION
MEASUREMENT MODE	PEAK AREA
LAMP POSITION	8
LAMP CURRENT (mA)	7
SLIT WIDTH (nm)	0.2
SLIT HEIGHT	NORMAL
WAVELENGTH (nm)	217.6
SAMPLE INTRODUCTION	SAMPLER AUTOMIXING
TIME CONSTANT	0.05
MEASUREMENT TIME (sec)	1.0
REPLICATES	1
BACKGROUND CORRECTION	ON
MAXIMUM ABSORBANCE	1.40

FURNACE PARAMETERS

STEP NO.	TEMPERATURE (C)	TIME (sec)	GAS FLOW (L/min)	GAS TYPE	READ COMMAND
1	225	10.0	3.0	NORMAL	NO
2	225	20.0	3.0	NORMAL	NO
3	1500	10.0	3.0	NORMAL	NO
4	1500	15.0	3.0	NORMAL	NO
5	1500	2.0	0.3	NORMAL	NO
6	2600	0.7	0.0	NORMAL	YES
7	2600	4.2	0.0	NORMAL	YES
8	2700	5.0	3.0	NORMAL	NO

SAMPLER PARAMETERS
VOLUMES (µL)

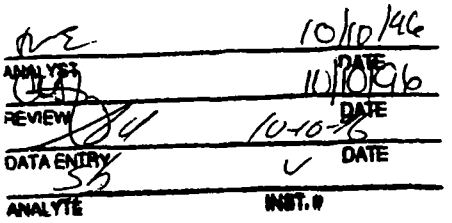
	SOLUTION	BLANK	MODIFIER
BLANK	--	20	5
STANDARD 1	2	18	5
STANDARD 2	6	14	5
STANDARD 3	12	8	5
SAMPLE	20	0	5

RECALIBRATION RATE 0
RESLOPE RATE 0

MULTIPLE INJECT NO HOT INJECT YES PRE INJECT NO
TEMPERATURE 90
INJECT RATE 7

QC PROTOCOL PARAMETERS

QC STANDARD RATE	16
QC INITIAL STANDARD POSITION	48
QC INITIAL BLANK POSITION	51
QC CONTINUING STANDARD POSITION	49
QC CONTINUING BLANK POSITION	51
QC STANDARD VOLUME (µL)	20
QC STANDARD CONCENTRATION	50.0
QC STANDARD LIMITS (%)	80 TO 120
QC SPIKE RATE	1
QC SPIKE VOLUME (µL)	4
QC SPIKE CONCENTRATION	100.0
MATRIX SPIKE CONCENTRATION	0.0
INSTRUMENT DETECTION LIMIT	1.4
REQUIRED DETECTION LIMIT	2.5



CONDITIONS FOR Sb :
Alternative Wavelengths (nm) : 231.2
Spectral Bandwidths (nm) : 0.5
Maximum Ash Temperature : 800°C
Recommended Atomize Temperature : 2000°C
Recommended Chemical Modifiers :
Palladium Chloride (500-2000µg/mL) plus reducing agent such as ascorbic acid, or
Nickel Nitrate (50-1000µg/mL).
Response with Argon : 10µL of 50ng/mL gives about 0.2 Abs.

The modifiers permit the use of a higher ashing temperature and enhance the analyte signal.
Use of a multi-element lamp may require a different slit width, lamp current and wavelength to isolate the analytical line.

PROGRAM 1 Sb PLAT.3PT.Pd QC ZEEMAN
BLANK REPLICATE 1
ABSORBANCE CONCENTRATION SAMPLER AUTOMIX
PEAK AREA MAX.ABS. 1.40 BC ON

AUTOMATIC RUN-PAUSED PRINTING

SAMPLE LABELS

1. 20PPB IDL1	2. PB,DS:	3. LCS 25PPB
4. RWMS 25PPB	5. RWMD 25PPB	6. 10244-1
7. 10244-1D	8. 10244-2	9. 10313-2
10. 10313-3	11. 10313-4	12. 10729-1
13. 10729-2	14. 10729-3	15. 10729-4
16. 10729-5	17. 10729-6	18. 10729-7
19. 10854-1	20. 10854-2	21. 10854-3
22. 10854-4	23. 10854-5	24. 10854-6
25. 10854-8	26. 10854-9	27.
28.	29.	30.
31.	32.	33.
34.	35.	36.
37.	38.	39.
40.	41.	42.
43.	44.	45.

F INCREMENT
1 LABELS

F CALIBRA-
6 TION

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
BLANK	0.0		-0.008	-0.008
QC				100ct96 05:15
				CONCENTRATION LESS THAN IDL
STANDARD 1	10.0	0.0	0.042	0.042
QC				100ct96 05:18
STANDARD 2	30.0	0.0	0.133	0.133
QC				100ct96 05:20
STANDARD 3	60.0	0.0	0.262	0.262
QC				100ct96 05:22

(0.1-0.999

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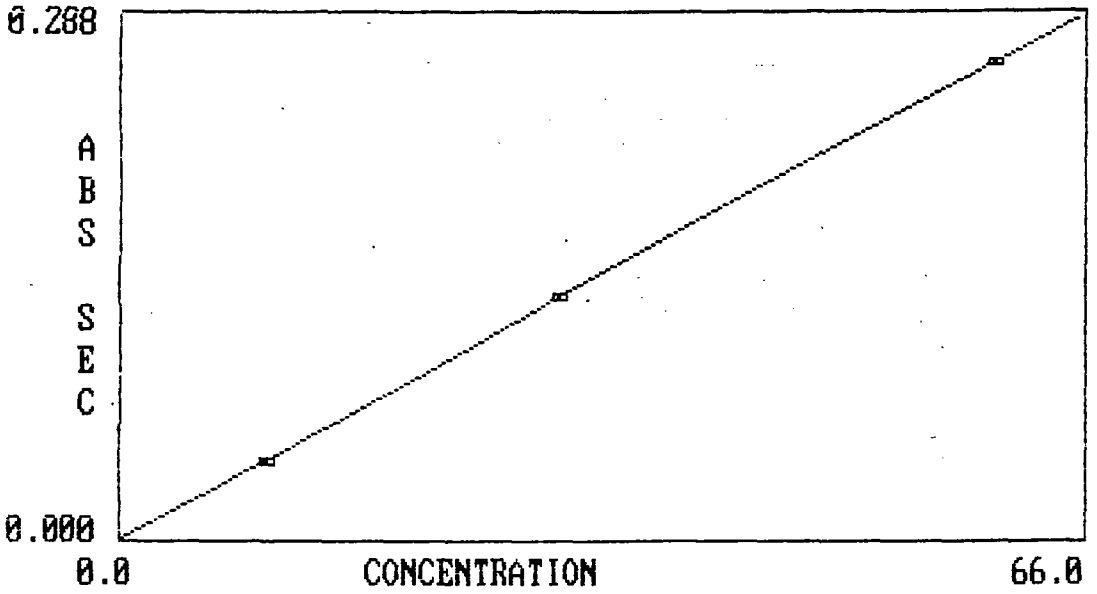

ANALYST			DATE 10/10/96
REVIEW			DATE 10/10/96
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ANALYTE 55		INST.# U	

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
ICV QC	38.9	0.0 Q	0.172	0.172 100ct96 05:25 %R = 77.8 108% 10846
ICB QC	0.4	0.0	0.002	0.002 100ct96 05:27 ABS = 0.000 CONCENTRATION LESS THAN IDL
20PPB IDL1 QC	21.6	0.0	0.094	0.094 100ct96 05:29 108%/ee
QCSPIKE A QC	37.3	0.0	0.165	0.165 100ct96 05:32 %R = 78.4 %R FAILED, REPEAT BY STANDARD ADDITIONS

CCV 1 QC	51.6	0.0	0.226	0.226 100ct96 05:34 %R = 103.3	
CCB 1 QC	1.4	0.0	0.006	0.006 100ct96 05:36 ABS = 0.004	
PB[redacted]:091996AF QC	0.8	0.0	0.004	0.004 100ct96 05:38 CONCENTRATION LESS THAN IDL	C

ANALYST DATE 11/1/96
REVIEW DATE 10-8-97
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SAMPLE	CONC	%RSD	MEAN ABS	READINGS	
QCSPIKE A QC	19.9	0.0	0.087	0.087 100ct96 05:41 %R = 99.6	
LCS 25PPB QC	25.1	0.0	0.110	0.110 100ct96 05:43	100/.ee 25.1 ug/L
QCSPIKE A QC	42.4	0.0	0.187	0.187 100ct96 05:45 %R = 86.4	
RWMS 25PPB QC	24.8	0.0	0.109	0.109 100ct96 05:47	99.2/.ee 24.8 ug/L
QCSPIKE A QC	44.2	0.0	0.195	0.195 100ct96 05:50 %R = 96.9	7.56/.nn
RWMD 25PPB QC	26.8	0.0	0.118	0.118 100ct96 05:52	107/.ee 26.8 ug/L
QCSPIKE A QC	44.5	0.0	0.196	0.196 100ct96 05:54 %R = 88.6	
10244-1 QC	1.5	0.0	0.006	0.006 100ct96 05:56	1.5 ug/L
QCSPIKE A QC	17.6 W	0.0	0.076	0.076 100ct96 05:59 %R = 80.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION	
10244-1D QC	0.1	0.0	0.000	0.000 100ct96 06:01 CONCENTRATION LESS THAN IDL	NC/.nn C
QCSPIKE A QC	18.2	0.0	0.079	0.079 100ct96 06:03 %R = 91.1	
10244-2 QC	-0.5	0.0	-0.002	-0.002 100ct96 06:05 CONCENTRATION LESS THAN IDL	C
QCSPIKE A QC	18.0	0.0	0.078	0.078 100ct96 06:08	

10313-2 QC	3.1	0.0	0.013	0.013 100ct96 06:10
QCSPIKE A QC	18.4	0.0 W	0.080	0.080 100ct96 06:12 %R = 76.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
CCV 2 QC	48.9	0.0	0.215	0.215 100ct96 06:14 %R = 97.7
CCB 2 QC	0.6	0.0	0.002	0.002 100ct96 06:17 ABS = 0.001 CONCENTRATION LESS THAN IDL
10313-3 QC	0.7	0.0	0.003	0.003 100ct96 06:19 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.2	0.0	0.074	0.074 100ct96 06:21 %R = 86.1
10313-4 QC	0.5	0.0	0.002	0.002 100ct96 06:23 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.7	0.0 W	0.067	0.067 100ct96 06:26 %R = 78.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10729-1 QC	-0.1	0.0	-0.001	-0.001 100ct96 06:28 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.1	0.0	0.078	0.078 100ct96 06:30 %R = 90.3
10729-2 QC	1.0	0.0	0.004	0.004 100ct96 06:32 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.2	0.0 W	0.065	0.065 100ct96 06:35 %R = 76.0 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10729-3 QC	0.3	0.0	0.001	0.001 100ct96 06:37 CONCENTRATION LESS THAN IDL

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QC		W		100ct96 06:39 %R = 81.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10729-4 QC	0.9	0.0	0.004	0.004 100ct96 06:41 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.7	0.0	0.076	0.076 100ct96 06:44 %R = 88.5

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
10729-5 QC	0.5	0.0	0.002	0.002 100ct96 06:46 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.8	0.0 W	0.072	0.072 100ct96 06:48 %R = 83.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10729-6 QC	1.6	0.0	0.007	0.007 100ct96 06:51
QCSPIKE A QC	16.3	0.0 W	0.070	0.070 100ct96 06:53 %R = 73.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV 3 QC	46.4	0.0	0.204	0.204 100ct96 06:55 %R = 92.7
CCB 3 QC	0.5	0.0	0.002	0.002 100ct96 06:57 ABS = 0.001 CONCENTRATION LESS THAN IDL
10729-7 QC	-1.2	0.0	-0.005	-0.005 100ct96 07:00 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.4	0.0	0.075	0.075 100ct96 07:02 %R = 87.1
10854-1 QC	-0.0	0.0	-0.000	-0.000 100ct96 07:04 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.1	0.0	0.078	0.078 100ct96 07:07 %R = 90.3
10729-2 QC	-2.3	0.0	-0.010	-0.010 100ct96 07:09 CONCENTRATION LESS THAN IDL
QCSPIKE A	13.7	0.0	0.059	0.059

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				%R = 68.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10854-3 QC	-0.7	0.0	-0.003	-0.003 100ct96 07:13 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.1	0.0 W	0.069	0.069 100ct96 07:16 %R = 80.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
10854-4 QC	-1.7	0.0	-0.007	-0.007 100ct96 07:18 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.3	0.0 W	0.070	0.070 100ct96 07:20 %R = 81.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10854-5 QC	-0.6	0.0	-0.003	-0.003 100ct96 07:23 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.3	0.0	0.075	0.075 100ct96 07:25 %R = 86.7
10854-6 QC	0.6	0.0	0.002	0.002 100ct96 07:27 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.7	0.0 W	0.068	0.068 100ct96 07:30 %R = 78.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10854-8 QC	-0.1	0.0	-0.001	-0.001 100ct96 07:32 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.9	0.0	0.077	0.077 100ct96 07:34 %R = 89.6
CCV 4 QC 50/ppb	46.4	0.0	0.204	0.204 100ct96 07:36 %R = 92.8
CCB 4 QC	-0.4	0.0	-0.002	-0.002 100ct96 07:39 ABS = -0.003 CONCENTRATION LESS THAN IDL
10854-9 QC	-0.3	0.0	-0.001	-0.001 100ct96 07:41 CONCENTRATION LESS THAN IDL

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QC				100ct96 07:43 %R = 95.1
QC	0.8	0.0	0.004	0.004 100ct96 07:45 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.5	0.0	0.094	0.094 100ct96 07:48 %R = 107.7

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
BLANK QC	0.0		-0.002	-0.002 100ct96 07:54 CONCENTRATION LESS THAN IDL
CCV 5 QC	47.7	0.0	0.210	0.210 100ct96 07:57 %R = 95.4
CCB 5 QC	1.2	0.0	0.005	0.005 100ct96 07:59 ABS = 0.003 CONCENTRATION LESS THAN IDL
PB,TL:14742 QC	0.8	0.0	0.003	0.003 100ct96 08:01 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.0	0.0	0.087	0.087 100ct96 08:03 %R = 99.9
LCS QC	45.2	0.0	0.199	0.199 100ct96 08:06
QCSPIKE A QC	58.8	0.0	0.256	0.256 100ct96 08:08 %R = 68.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
10759-2 QC	1.1	0.0	0.005	0.005 100ct96 08:10 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.1	0.0	0.083	0.083 100ct96 08:13 %R = 95.5
10759-2D QC	-0.3	0.0	-0.001	-0.001 100ct96 08:15 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.9	0.0	0.091	0.091 100ct96 08:17 %R = 104.3
10759-2MS QC	46.8	0.0	0.206	0.206 100ct96 08:19

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QCSPIKE A QC	63.0	0.0	0.274	0.274 10Oct96 08:22
QCSPIKE A QC	161.7	0.0	0.144	0.144 10Oct96 08:24 DF = 5.00
10759-2MS QC	52.8	0.0	0.045	0.045 10Oct96 08:26 DF = 5.00

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	165.9	0.0	0.147	0.147 10Oct96 08:28 0.00/LPD DF = 5.00 %R = 113.1
10759-2MD QC 50ppb 45/50	46.6	0.0	0.205	0.205 10Oct96 08:30 104/ul 51.8 ug/L
QCSPIKE A QC	60.9	0.0	0.265	0.265 10Oct96 08:32
QCSPIKE A QC	158.9	0.0	0.141	0.141 10Oct96 08:35 DF = 5.00
CCV 6 QC 50ppb	49.8	0.0	0.219	0.219 10Oct96 08:37 %R = 99.6
CCB 6 QC	1.0	0.0	0.004	0.004 10Oct96 08:39 ABS = 0.002 CONCENTRATION LESS THAN IDL
10759-2MD QC	47.9	0.0	0.041	0.041 10Oct96 08:41 DF = 5.00
QCSPIKE A QC	165.8	0.0 W	0.147	0.147 10Oct96 08:43 DF = 5.00 %R = 117.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-1 QC 45/50	1.0	0.0	0.004	0.004 10Oct96 08:45 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	23.8	0.0 W	0.104	0.104 10Oct96 08:48 %R = 119.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3 QC	0.7	0.0	0.003	0.003 10Oct96 08:50 CONCENTRATION LESS THAN IDL

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QC				100ct96 08:52 %R = 103.1
10809-4 45/54 QC	-0.4	0.0	-0.002	-0.002 100ct96 08:54 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.9	0.0 W	0.068	0.068 100ct96 08:57 %R = 79.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
10809-5 QC	-0.4	0.0	-0.002	-0.002 100ct96 08:59 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.5	0.0 W	0.071	0.071 100ct96 09:01 %R = 82.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
PB,DS:(10/09/96AP) QC	0.5	0.0	0.002	0.002 100ct96 09:03 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.6	0.0 W	0.072	0.072 100ct96 09:06 %R = 83.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC 25 ppb	24.3	0.0	0.107	0.107 100ct96 09:08 97.2 %rec 24.3 ug/L
QCSPIKE A QC	40.5	0.0	0.179	0.179 100ct96 09:10 %R = 81.1 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC 25 ppb	26.2	0.0	0.116	0.116 100ct96 09:12 105 %rec 26.2 ug/L
QCSPIKE A QC	41.9	0.0	0.185	0.185 100ct96 09:15 %R = 78.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
CCV 7 QC 50 ppb	50.4	0.0	0.221	0.221 100ct96 09:17 %R = 100.8
CCB 7 QC	0.0	0.0	0.000	0.000 100ct96 09:19 ABS = -0.002 CONCENTRATION LESS THAN IDL
RWMS QC 25 ppb	23.9	0.0	0.105	0.105 100ct96 09:21 95.6 %rec 23.9 ug/L
QCSPIKE A	38.6	0.0	0.171	0.171 100ct96 09:24

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%R = 75.9
%R FAILED. REPEAT BY STANDARD ADDITIONS

10809-13 QC 10/10/96	-0.4	0.0	-0.002	-0.002 100ct96 09:26 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.8 W	0.0	0.073	0.073 100ct96 09:28 %R = 84.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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SAMPLE	CONC	%RSD	MEAN ABS	READINGS
10809-3D QC MR 10/10/96	0.0	0.0	0.000	0.000 100ct96 09:31 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.1 W	0.0	0.065	0.065 100ct96 09:33 %R = 75.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-1 QC MR 10/10/96	-0.5	0.0	-0.002	-0.002 100ct96 09:35 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	2.4 E	0.0	0.010	0.010 100ct96 09:37 %R = 11.8 %R LESS THAN MINIMUM LIMIT
10809-4 QC	0.2	0.0	0.001	0.001 100ct96 09:40 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.3	0.0	0.075	0.075 100ct96 09:42 %R = 86.6
10809-5 QC	-0.3	0.0	-0.001	-0.001 100ct96 09:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.1	0.0	0.074	0.074 100ct96 09:47 %R = 85.3
PB,TL:14713 QC	-0.2	0.0	-0.001	-0.001 100ct96 09:49 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.5	0.0	0.080	0.080 100ct96 09:51 %R = 92.7
LCS QC	0.5	0.0	0.002	0.002 100ct96 09:53 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.2	0.0	0.079	0.079 100ct96 09:56

CCV 8	46.0	0.0	0.202	0.202
QC				10oct96 09:58
				%R = 91.9
CCB 8	0.2	0.0	0.001	0.001
QC				10oct96 10:00
				ABS = -0.001
				CONCENTRATION LESS THAN IDL

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SAMPLE	CONC	%RSD	MEAN ABS	READINGS
10663-2	0.0	0.0	0.000	0.000
QC				10oct96 10:03
				CONCENTRATION LESS THAN IDL
QCSPIKE A	17.1	0.0	0.074	0.074
QC				10oct96 10:05
				%R = 85.7
10663-2MS	-0.3	0.0	-0.001	-0.001
QC				10oct96 10:07
				CONCENTRATION LESS THAN IDL
QCSPIKE A	17.5	0.0	0.076	0.076
QC				10oct96 10:10
				%R = 87.7
10663-2MD	40.3	0.0	0.178	0.178
QC				10oct96 10:12
QCSPIKE A	53.2	0.0	0.233	0.233
QC				10oct96 10:14
				%R = 65.0
				%R FAILED, REPEAT BY STANDARD ADDITIONS
10313-2	36.6	0.0	0.162	0.162
QC				10oct96 10:16
QCSPIKE A	53.8	0.0	0.236	0.236
QC				10oct96 10:19
				%R = 86.4
10313-3	4.4	0.0	0.019	0.019
QC				10oct96 10:21
QCSPIKE A	20.4	0.0	0.089	0.089
QC		W		10oct96 10:23
				%R = 80.2
				SAMPLE CONC <50% OF SPIKE CONCENTRATION
10313-4	0.7	0.0	0.003	0.003
QC				10oct96 10:26
				CONCENTRATION LESS THAN IDL
QCSPIKE A	16.7	0.0	0.072	0.072
QC		W		10oct96 10:28
				%R = 83.3
				SAMPLE CONC <50% OF SPIKE CONCENTRATION

160473	-0.9	0.0	-0.004	-0.004
QC				100ct96 10:30
				CONCENTRATION LESS THAN IDL
QCSPIKE A	19.7	0.0	0.086	0.086
QC				100ct96 10:32
				%R = 98.7
BLANK	0.0		0.032	0.032
QC				100ct96 10:36
				CONCENTRATION LESS THAN IDL

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
CCV 9	48.2	0.0	0.212	0.212
QC				100ct96 10:38
				%R = 96.5
CCB 9	-0.3	0.0	-0.001	-0.001
QC				100ct96 10:40
				ABS = 0.003
				CONCENTRATION LESS THAN IDL

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BLANK QC	0.0		-0.009	-0.009 100ct96 10:58 CONCENTRATION LESS THAN IDL
CC[redacted]10 QC Soil	47.0	0.0	0.207	0.207 100ct96 11:00 %R = 93.9
CCB 10 QC	-0.2	0.0	-0.001	-0.001 100ct96 11:02 ABS = 0.002 CONCENTRATION LESS THAN IDL
LCS QC	16.7	0.0	0.072	0.072 100ct96 11:04
QCSPIKE A QC	31.8	0.0	0.141	0.141 100ct96 11:07 %R = 75.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC	20.0	0.0	0.087	0.087 100ct96 11:09
QCSPIKE A QC	36.1	0.0	0.160	0.160 100ct96 11:11 %R = 80.7 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC	17.0	0.0	0.073	0.073 100ct96 11:13
QCSPIKE A QC	29.8	0.0	0.133	0.133 100ct96 11:16 %R = 64.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
QC	0.3	0.0	0.001	0.001 100ct96 11:18 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	23.9	0.0 W	0.105	0.105 100ct96 11:20 %R = 119.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
BLANK QC	0.0		-0.004	-0.004 100ct96 11:24 CONCENTRATION LESS THAN IDL

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
C[redacted]11 QC	52.3	0.0	0.229	0.229 100ct96 11:26 %R = 104.6
CCB 11	-0.3	0.0	-0.001	-0.001

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ABS = 0.001
CONCENTRATION LESS THAN IDL

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BLANK QC	0.0		-0.004	-0.004 100ct96 11:47 CONCENTRATION LESS THAN IDL
CC[illegible]2 QC	50.3	0.0	0.221	0.221 100ct96 11:50 %R = 100.7
CCB 12 QC	0.4	0.0	0.002	0.002 100ct96 11:52 ABS = 0.003 CONCENTRATION LESS THAN IDL
10PPB IDL1 QC	9.0	0.0	0.038	0.038 100ct96 11:54
QCSPIKE A QC	29.4	0.0	0.131	0.131 100ct96 11:56 %R = 102.2
10PPB IDL2 QC	10.4	0.0	0.044	0.044 100ct96 11:59
QCSPIKE A QC	29.4	0.0	0.130	0.130 100ct96 12:01 %R = 95.0
10PPB IDL3 QC	9.1	0.0	0.039	0.039 100ct96 12:03
QCSPIKE A QC	29.5	0.0	0.131	0.131 100ct96 12:05 %R = 101.8
10PPB IDL4 QC	9.9	0.0	0.042	0.042 100ct96 12:07
QCSPIKE A QC	29.7	0.0	0.132	0.132 100ct96 12:10 %R = 99.1
10PPB IDL5 QC	10.4	0.0	0.044	0.044 100ct96 12:12
QCSPIKE A QC	30.3	0.0	0.135	0.135 100ct96 12:14 %R = 99.6

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SAMPLE	CONC	%RSD	MEAN ABS	READINGS
10[illegible]B IDL6 QC	10.9	0.0	0.046	0.046 100ct96 12:16
QCSPIKE A QC	28.8	0.0	0.128	0.128 100ct96 12:19

10PPB IDL7 QC	10.6	0.0	0.045	0.045 100ct96 12:21
QCSPIKE A QC	28.9	0.0	0.128	0.128 100ct96 12:23 %R = 91.6
BLANK QC	0.0		-0.019	-0.019 100ct96 12:28 CONCENTRATION LESS THAN IDL
CCV 13 QC SOff	49.9	0.0	0.219	0.219 100ct96 12:30 %R = 99.8
CCB 13 QC	0.0	0.0	0.000	0.000 100ct96 12:32 ABS = -0.002 CONCENTRATION LESS THAN IDL
PB,TL:14746 QC	-2.1	0.0	-0.009	-0.009 100ct96 12:34 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.2	0.0	0.088	0.088 100ct96 12:37 %R = 101.0
LCS QC SOff	47.2	0.0	0.207	0.207 100ct96 12:39
QCSPIKE A QC	63.6	0.0	0.277	0.277 100ct96 12:41
QCSPIKE A QC	167.0	0.0	0.148	0.148 100ct96 12:43 DF = 5.00
LCS QC	50.7	0.0	0.043	0.043 100ct96 12:45 DF = 5.00
QCSPIKE A QC	176.0	0.0 W	0.156	0.156 100ct96 12:48 DF = 5.00 %R = 125.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3 QC	1.7	0.0	0.007	0.007 100ct96 12:50

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	18.0	0.0 W	0.078	0.078 100ct96 12:52 %R = 81.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION

QC				100ct96 12:54 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.6	0.0 W	0.071	0.071 100ct96 12:57 %R = 83.0 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3MS QC	39.5	0.0	0.174	0.174 100ct96 12:59
QCSPIKE A QC	51.3	0.0	0.225	0.225 100ct96 13:01 %R = 59.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-3MD QC	40.0	0.0	0.177	0.177 100ct96 13:03
QCSPIKE A QC	55.7	0.0	0.243	0.243 100ct96 13:06 %R = 78.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
CCV 14 QC	46.7	0.0	0.205	0.205 100ct96 13:08 %R = 93.4
CCB 14 QC	0.6	0.0	0.003	0.003 100ct96 13:10 ABS = 0.000 CONCENTRATION LESS THAN IDL
10809-1 QC	-1.0	0.0	-0.004	-0.004 100ct96 13:12 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.4	0.0	0.075	0.075 100ct96 13:14 %R = 86.8
10809-4 QC	0.1	0.0	0.001	0.001 100ct96 13:17 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.7	0.0 W	0.072	0.072 100ct96 13:19 %R = 83.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 QC	-1.1	0.0	-0.004	-0.004 100ct96 13:21 CONCENTRATION LESS THAN IDL
SAMPLE	CONC	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	15.6	0.0 W	0.067	0.067 100ct96 13:23 %R = 78.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION

ANALYST 10-10-96 DATE
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QC				10Oct96 13:26 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.7	0.0	0.090	0.090 10Oct96 13:28 %R = 103.3
QC	-1.4	0.0	-0.006	-0.006 10Oct96 13:30 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.0	0.0	0.091	0.091 10Oct96 13:33 %R = 105.0
QC	-0.4	0.0	-0.001	-0.001 10Oct96 13:35 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.2	0.0	0.092	0.092 10Oct96 13:37 %R = 105.8
QC	0.7	0.0	0.003	0.003 10Oct96 13:39 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	22.0	0.0	0.096	0.096 10Oct96 13:42 %R = 109.9
QC	0.2	0.0	0.001	0.001 10Oct96 13:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.7	0.0	0.094	0.094 10Oct96 13:46 %R = 108.3
CCV 15 QC SOIL	48.7	0.0	0.214	0.214 10Oct96 13:48 %R = 97.3
CCB 15 QC	0.1	0.0	0.001	0.001 10Oct96 13:51 ABS = -0.002 CONCENTRATION LESS THAN IDL

10-10-96
ANALYST DATE
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1145

Varian SpectrAA 300/400 Zeeman
QC Protocol Report

ANALYST ME 10/10/96 DATE
REVIEW [illegible] 10/10/96 DATE
DATA ENTRY ME 10/10/96 DATE
ANALYTE Pb INST.# 2

TRACHCAPE TESTING SERVICES
NDRC LABORATORY-DALLAS
FURNACE #2

OPERATOR MARTY
DATE 10-10-96
BATCH PB

QC PROTOCOL PARAMETERS

IF THERE IS AN ERROR	FLAG AND CONTINUE
QC SPIKE POSITION	50
RECOVERY LIMITS (%)	85 TO 115
RECOVERY MINIMUM LIMIT (%)	40
CORRELATION COEFFICIENT (r)	0.995
OVERRANGE VOLUME REDUCTION	5
REPLICATE RSD LIMIT (%)	20.0

Std. Lot #: AB708-706 Modifier Lot #: AB708-697

ICV Lot #: AB708-70 H CCV Lot #: AB708-706

LCS & MS/MSD Lot #: 690619

PROGRAM 42 Pb PLATFORM 3PT. Pd

INSTRUMENT MODE	ABSORBANCE
CALIBRATION MODE	CONCENTRATION
MEASUREMENT MODE	PEAK AREA
LAMP POSITION	2
LAMP CURRENT (mA)	3
SLIT WIDTH (nm)	0.5
SLIT HEIGHT	NORMAL
WAVELENGTH (nm)	283.3
SAMPLE INTRODUCTION	SAMPLER AUTOMIXING
TIME CONSTANT	0.05
MEASUREMENT TIME (sec)	1.0
REPLICATES	1
BACKGROUND CORRECTION	ON
MAXIMUM ABSORBANCE	1.40

FURNACE PARAMETERS

STEP NO.	TEMPERATURE (C)	TIME (sec)	GAS FLOW (L/min)	GAS TYPE	READ COMMAND
1	250	15.0	3.0	NORMAL	NO
2	250	10.0	3.0	NORMAL	NO
3	900	10.0	3.0	NORMAL	NO
4	900	8.0	3.0	NORMAL	NO
5	900	2.0	0.3	NORMAL	NO
6	2300	0.7	0.0	NORMAL	YES
7	2300	4.0	0.0	NORMAL	YES
8	2400	5.0	3.0	NORMAL	NO

SAMPLER PARAMETERS

VOLUMES (µL)

	SOLUTION	BLANK	MODIFIER
BLANK	--	20	5
STANDARD 1	1	19	5
STANDARD 2	3	17	5
STANDARD 3	10	10	5
STANDARD 4	20	0	5
SAMPLE	20	0	5

RECALIBRATION RATE 0
RESLOPE RATE 0

MULTIPLE INJECT NO HOT INJECT YES PRE INJECT NO
TEMPERATURE 90
INJECT RATE 7

QC PROTOCOL PARAMETERS

QC STANDARD RATE	20
QC INITIAL STANDARD POSITION	48
QC INITIAL BLANK POSITION	51
QC CONTINUING STANDARD POSITION	49
QC CONTINUING BLANK POSITION	51
QC STANDARD VOLUME (µL)	20
QC STANDARD CONCENTRATION	30.00 PPB
QC STANDARD LIMITS (%)	80 TO 120
QC SPIKE RATE	1
QC SPIKE VOLUME (µL)	4
QC SPIKE CONCENTRATION	100.00PPB
MATRIX SPIKE CONCENTRATION	0.00 PPB
INSTRUMENT DETECTION LIMIT	0.48 PPB
REQUIRED DETECTION LIMIT	3.00 PPB

CONDITIONS FOR Pb :
Alternative Wavelengths (nm) : 217.0 261.4
Spectral Bandwidths (nm) : 1.0 0.5
Maximum Ash Temperature : 600xC
Recommended Atomize Temperature : 2100xC
Recommended Chemical Modifiers :
Orthophosphoric acid (1000µg/mL), or
Ammonium dihydrogen orthophosphate (5mg/mL), or
EDTA, citrate, oxalate (0.5 - 1% v/v), or
Palladium Chloride (500-2000µg/mL) plus ascorbic acid.
Response with Argon : 10µL of 27ng/mL gives about 0.2 Abs.

Background may be higher at the 217.0nm line, for which the MAX.ABS. is 0.6 and the MSR is 71%.
Use of a multi-element lamp may require a different slit width, lamp current and wavelength to isolate the analytical line.

ME	10/10/96
ANALYST	DATE
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Pb	2
ANALYTE	INST.#

PROGRAM 42 Pb PLATFORM 3PT. Pd QC ZEEMAN
BLANK REPLICATE 1
ABSORBANCE CONCENTRATION SAMPLER AUTOMIX
PEAK AREA MAX.ABS. 1.40 BC ON

AUTOMATIC RUN PAUSED PRINTING

SAMPLE LABELS

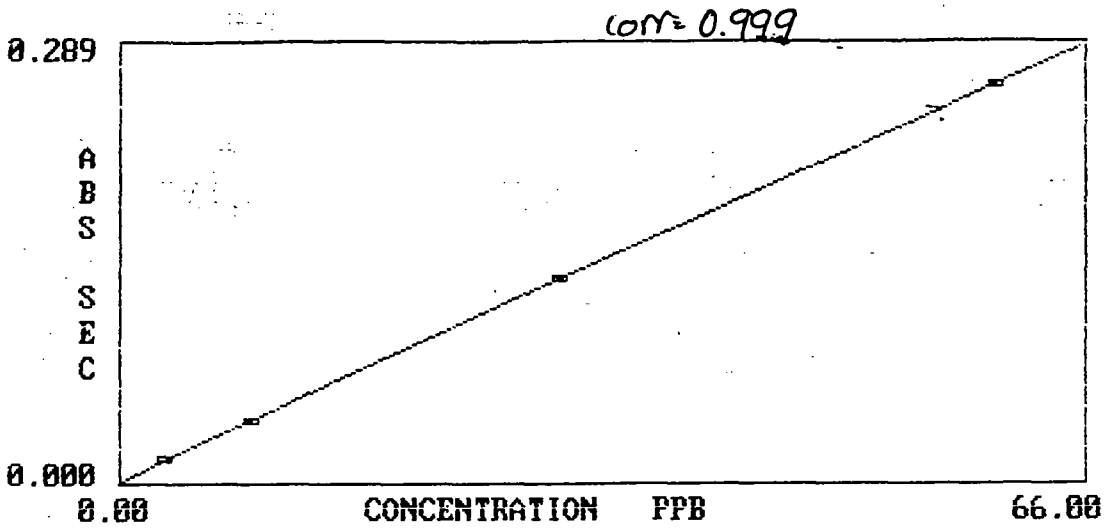
1. 5PPB STD	2. 11082-1 1:50	3. 10936-1 1:2
4. 10936-1DP1:2	5. 10936-4 1:2	6. 11000-2 1:2
7. 5PPB STD	8. 11000-3	9. 11000-4
10. PB,DS	11. LCS	12. RWMS
13. RWMSD	14. 10633-1	15. 10633-1DP
16. 2PPB IDL1	17. 2PPB IDL2	18. 2PPB IDL3
19. 2PPB IDL4	20. 2PPB IDL5	21. 2PPB IDL6
22. 2PPB IDL7	23.	24.
25.	26.	27.
28.	29.	30.
31.	32.	33.
34.	35.	36.
37.	38.	39.
40.	41.	42.
43.	44.	45.

ANALYST MT 10/10/96 DATE
REVIEW [illegible] 10/10/96 DATE
DATA ENTRY [illegible] 10/10/96 DATE
ANALYTE A INST.# 2

F INCREMENT
1 LABELS

F CALIBRA-
5 TION

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
BLANK QC	0.00		0.007	0.007 10Oct96 04:45 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	3.00	0.0	0.017	0.017 10Oct96 04:47
BLANK QC	0.00		0.002	0.002 10Oct96 04:53 CONCENTRATION LESS THAN IDL
BLANK QC	0.00		-0.001	-0.001 10Oct96 05:00 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	3.00	0.0	0.015	0.015 10Oct96 05:02
STANDARD 2 QC	9.00	0.0	0.041	0.041 10Oct96 05:04
STANDARD 3 QC	30.00	0.0	0.133	0.133 10Oct96 05:07
STANDARD 4 QC	60.00	0.0	0.262	0.262 10Oct96 05:09



10/10/96 ANALYST DATE
10/18/96 REVIEW DATE
10/10/96 DATA ENTRY DATE
PB 2 ANALYTE INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
ICV QC 20ppb	20.75	0.0 Q	0.093	0.093 10Oct96 05:11 %R = ~~89.2~~ 104
ICB QC	0.68	0.0	0.003	0.003 10Oct96 05:13 ABS = 0.005
5PPB STD QC	5.00	0.0	0.024	0.024 10Oct96 05:15 %R-100
QCSPIKE A QC	26.25	0.0	0.117	0.117 10Oct96 05:17 %R = 106.2
CCV 1 QC 30ppb	30.04	0.0	0.133	0.133 10Oct96 05:19 %R = 100.1
CCB 1 QC	0.28	0.0	0.001	0.001 10Oct96 05:21 ABS = 0.003 CONCENTRATION LESS THAN IDL
11082-1 1:50 QC	3.11	0.0	0.015	0.015 10Oct96 05:23

155.5 mg/L

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	22.33	0.0	0.100	0.100 10Oct96 05:25 %R = 96.1
BLANK QC	0.00		0.001	0.001 10Oct96 05:32 CONCENTRATION LESS THAN IDL
BLANK QC	0.00		-0.002	-0.002 10Oct96 05:43 CONCENTRATION LESS THAN IDL
CCV QC 3ppb	30.38	0.0	0.135	0.135 10Oct96 05:45 %R = 101.3
CCB QC	-0.25	0.0	-0.001	-0.001 10Oct96 05:47 ABS = 0.000 CONCENTRATION LESS THAN IDL
10936-1 1:2 QC	3.05	0.0	0.015	0.015 10Oct96 05:49
QCSPIKE A QC	24.05	0.0	0.108	0.108 10Oct96 05:51 %R = 105.0
10936-1DP1:2 QC	3.23	0.0	0.016	0.016 10Oct96 05:53
QCSPIKE A QC	23.40	0.0	0.105	0.105 10Oct96 05:56 %R = 100.8
10936-4 1:2 QC	5.24	0.0	0.025	0.025 10Oct96 05:58
QCSPIKE A QC	24.08	0.0	0.108	0.108 10Oct96 06:00 %R = 94.2
11000-2 1:2 QC	5.70	0.0	0.027	0.027 10Oct96 06:02
QCSPIKE A QC	25.73	0.0	0.115	0.115 10Oct96 06:04 %R = 100.2
5PPB STD QC	-0.18	0.0	-0.001	-0.001 10Oct96 06:06 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.10	0.0	0.090	0.090 10Oct96 06:08 %R = 100.5

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6.10 mg/L

%RPD = 6.73

6.46 mg/L

10.48 mg/L

11.4 mg/L

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11000-3 QC	2.87	0.0	0.014	0.014 10Oct96 06:10
QCSPIKE A QC	22.59	0.0	0.101	0.101 10Oct96 06:12 %R = 98.6
11000-4 QC	1.53	0.0	0.007	0.007 10Oct96 06:14
QCSPIKE A QC	20.85	0.0	0.094	0.094 10Oct96 06:16 %R = 96.6
PB,DS QC	0.13	0.0	0.001	0.001 10Oct96 06:18 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.67	0.0	0.080	0.080 10Oct96 06:20 %R = 88.4
LCS QC	28.97	0.0	0.129	0.129 10Oct96 06:22
QCSPIKE A QC	49.49	0.0	0.217	0.217 10Oct96 06:25 %R = 102.6
RWMS QC	29.67	0.0	0.132	0.132 10Oct96 06:26
QCSPIKE A QC	48.04	0.0	0.211	0.211 10Oct96 06:29 %R = 91.8
CCV QC	28.77	0.0	0.128	0.128 10Oct96 06:31 %R = 95.9
CCB QC	0.54	0.0	0.003	0.003 10Oct96 06:33 ABS = 0.004
RWMSD QC	29.35	0.0	0.130	0.130 10Oct96 06:35
QCSPIKE A QC	49.32	0.0	0.216	0.216 10Oct96 06:37 %R = 99.8
10633-1 QC	1.66	0.0	0.008	0.008 10Oct96 06:39
QCSPIKE A QC	8.63	0.0 E	0.039	0.039 10Oct96 06:41 %R = 34.8 %R LESS THAN MINIMUM LIMIT

2.87 ug/L

1.53 ug/L

96.6 %rec

28.97 ug/L

2.56 ug/L

98.9 %rec

29.67 ug/L

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
10633-1DP	0.74	0.0	0.004	0.004 10Oct96 06:43
QCSPIKE A QC	6.77 E	0.0	0.032	0.032 10Oct96 06:45 %R = 30.2 %R LESS THAN MINIMUM LIMIT
2PPB IDL1 QC	1.57	0.0	0.008	0.008 10Oct96 06:47
QCSPIKE A QC	21.93	0.0	0.098	0.098 10Oct96 06:49 %R = 101.8
2PPB IDL2 QC	1.77	0.0	0.009	0.009 10Oct96 06:51
QCSPIKE A QC	18.93	0.0	0.085	0.085 10Oct96 06:54 %R = 85.8
2PPB IDL3 QC	2.00	0.0	0.010	0.010 10Oct96 06:56
QCSPIKE A QC	22.65	0.0	0.101	0.101 10Oct96 06:58 %R = 103.3
2PPB IDL4 QC	2.25	0.0	0.011	0.011 10Oct96 07:00
QCSPIKE A QC	22.69	0.0	0.102	0.102 10Oct96 07:02 %R = 102.2
2PPB IDL5 QC	2.37	0.0	0.012	0.012 10Oct96 07:04
QCSPIKE A QC	20.41	0.0	0.092	0.092 10Oct96 07:06 %R = 90.2
2PPB IDL6 QC	2.09	0.0	0.010	0.010 10Oct96 07:08
QCSPIKE A QC	22.23	0.0	0.100	0.100 10Oct96 07:10 %R = 100.7
2PPB IDL7 QC	2.24	0.0	0.011	0.011 10Oct96 07:13
QCSPIKE A	20.46	0.0	0.092	0.092 10Oct96 07:15 %R = 91.1

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
CCV QC	25.90	0.0	0.116	0.116 10Oct96 07:17 %R = 86.3
CCB QC	0.39	0.0	0.002	0.002 10Oct96 07:19 ABS = 0.004 CONCENTRATION LESS THAN IDL
BLANK QC	0.00		0.000	0.000 10Oct96 07:29 CONCENTRATION LESS THAN IDL
CCV QC	27.76	0.0	0.124	0.124 10Oct96 07:31 %R = 92.5
CCB QC	-0.41	0.0	-0.002	-0.002 10Oct96 07:33 ABS = -0.000 CONCENTRATION LESS THAN IDL
PB,TS:14984 QC	-0.78	0.0	-0.004	-0.004 10Oct96 07:35 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.35	0.0	0.078	0.078 10Oct96 07:37 %R = 86.7
LCS QC	17.67	0.0	0.080	0.080 10Oct96 07:39
QCSPIKE A QC	37.50	0.0	0.166	0.166 10Oct96 07:41 %R = 99.1
11226-2 QC	15.21	0.0	0.069	0.069 10Oct96 07:43
QCSPIKE A QC	33.13	0.0	0.147	0.147 10Oct96 07:45 %R = 89.6
11226-2D QC	13.94	0.0	0.063	0.063 10Oct96 07:47
QCSPIKE A QC	31.44	0.0	0.139	0.139 10Oct96 07:50 %R = 87.5
11226-2MS QC	33.62	0.0	0.149	0.149 10Oct96 07:52
QCSPIKE A QC	48.19	0.0	0.212	0.212 10Oct96 07:54 %R = 72.8 %R FAILED, REPEAT BY STANDARD ADDITIONS

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SAMPLE	CONC PPB		%RSD	MEAN ABS	READINGS
11226-2MD	33.09		0.0	0.147	0.147
QC					10Oct96 07:56
QCSPIKE A	48.20		0.0	0.212	0.212
QC					10Oct96 07:58
					%R = 75.6
					%R FAILED, REPEAT BY STANDARD ADDITIONS
11305-7	OVER		0.0	4.000B	4.000B
QC					10Oct96 08:00
11305-7	OVER	D	0.0	2.982*	2.982*
QC					10Oct96 08:02
					DF = 5.00
					REDUCED SAMPLE VOLUME LESS THAN 1 mL
QCSPIKE A	OVER	DE	0.0	3.239*	3.239*
QC					10Oct96 08:04
					DF = 5.00
					%R = 0.0
					REDUCED SAMPLE VOLUME LESS THAN 1 mL
11305-14	OVER		0.0	0.578	0.578
QC					10Oct96 08:06
11305-14	221.83		0.0	0.195	0.195
QC					10Oct96 08:07
					DF = 5.00
QCSPIKE A	181.82	E	0.0	0.161	0.161
QC					10Oct96 08:09
					DF = 5.00
					%R = -40.0
					%R LESS THAN MINIMUM LIMIT
11305-21	OVER		0.0	0.878	0.878
QC					10Oct96 08:11
CCV 7	53.37	Q	0.0	0.234	0.234
QC					10Oct96 08:13
					%R = 177.9
CCB 7	19.81		0.0	0.089	0.089
QC					10Oct96 08:15
					ABS = 0.091
11305-21	230.52		0.0	0.203	0.203
QC					10Oct96 08:17
					DF = 5.00
QCSPIKE A	OVER	DE	0.0	0.459	0.459
QC					10Oct96 08:19
					DF = 5.00
					%R = -230.5
					REDUCED SAMPLE VOLUME LESS THAN 1 mL
BLANK	0.00			0.033	0.033
QC					10Oct96 08:31
					CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
CCV QC	26.13	0.0	0.117	0.117 10Oct96 08:33 %R = 87.1
CCB QC	2.25	0.0	0.011	0.011 10Oct96 08:35 ABS = 0.020
BLANK QC	0.00		-0.018	-0.018 10Oct96 08:42 CONCENTRATION LESS THAN IDL
CCV QC	29.79	0.0	0.132	0.132 10Oct96 08:44 %R = 99.3
CCB QC	1.85	0.0	0.009	0.009 10Oct96 08:46 ABS = 0.014
PB,TS:14983 QC	-0.69	0.0	-0.003	-0.003 10Oct96 08:48 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	26.56	0.0	0.118	0.118 10Oct96 08:50 %R = 132.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC	17.82	0.0	0.080	0.080 10Oct96 08:52
QCSPIKE A QC	49.96	0.0	0.219	0.219 10Oct96 08:55 %R = 160.7 %R FAILED, REPEAT BY STANDARD ADDITIONS
11226-2 QC	18.39	0.0	0.083	0.083 10Oct96 08:57
QCSPIKE A QC	36.73	0.0	0.162	0.162 10Oct96 08:59 %R = 91.7
11226-2D QC	19.33	0.0	0.087	0.087 10Oct96 09:01
QCSPIKE A QC	43.81	0.0	0.193	0.193 10Oct96 09:03 %R = 122.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
11226-2MS QC	21.57	0.0	0.097	0.097 10Oct96 09:05
QCSPIKE A QC	57.50	0.0	0.252	0.252 10Oct96 09:07 %R = 179.6 %R FAILED, REPEAT BY STANDARD ADDITIONS

ANALYST DATE 10/10/96
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ANALYTE INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
[redacted]226-2MD	21.97	0.0	0.098	0.098 10Oct96 09:09
QCSPIKE A QC	59.72	0.0	0.261	0.261 10Oct96 09:11 %R = 188.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
11305-7:100 QC	OVER	0.0	0.863	0.863 10Oct96 09:13
11305-7:100 QC	243.61	0.0	0.214	0.214 10Oct96 09:15 DF = 5.00
QCSPIKE A QC	OVER	0.0 DE	0.301	0.301 10Oct96 09:17 DF = 5.00 %R = -243.6 REDUCED SAMPLE VOLUME LESS THAN 1 mL
11305-14 :25 QC	0.57	0.0	0.003	0.003 10Oct96 09:19
QCSPIKE A QC	23.54	0.0	0.105	0.105 10Oct96 09:21 %R = 114.8
11305-21 :25 QC	8.41	0.0	0.038	0.038 10Oct96 09:23
QCSPIKE A QC	31.84	0.0 W	0.141	0.141 10Oct96 09:25 %R = 117.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV QC	31.33	0.0	0.139	0.139 10Oct96 09:27 %R = 104.4
CCB QC	0.39	0.0	0.002	0.002 10Oct96 09:29 ABS = 0.007 CONCENTRATION LESS THAN IDL
11305-28 :10 QC	10.55	0.0	0.048	0.048 10Oct96 09:31
QCSPIKE A QC	46.15	0.0 W	0.203	0.203 10Oct96 09:33 %R = 178.0 SAMPLE CONC <50% OF SPIKE CONCENTRATION
[redacted]305-2 :10	19.84	0.0	0.089	0.089 10Oct96 09:35
QCSPIKE A QC	44.88	0.0	0.197	0.197 10Oct96 09:38 %R = 125.2

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%R FAILED, REPEAT BY STANDARD ADDITIONS

ANALYST [illegible] DATE 10/10/96
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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11305-3I:10 QC	8.59	0.0	0.039	0.039 10Oct96 09:40
QCSPIKE A QC	26.11	0.0	0.116	0.116 10Oct96 09:42 %R = 87.6
11305-4I:10 QC	19.87	0.0	0.089	0.089 10Oct96 09:44
QCSPIKE A QC	40.29	0.0	0.178	0.178 10Oct96 09:46 %R = 102.1
11305-5I:10 QC	19.01	0.0	0.085	0.085 10Oct96 09:48
QCSPIKE A QC	39.33	0.0	0.173	0.173 10Oct96 09:50 %R = 101.6
11305-6I:10 QC	35.08	0.0	0.155	0.155 10Oct96 09:52
QCSPIKE A QC	56.28	0.0	0.246	0.246 10Oct96 09:54 %R = 106.0
PB,TS:14984 QC	-0.43	0.0	-0.002	-0.002 10Oct96 09:56 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	27.56	0.0	0.123	0.123 10Oct96 09:58 %R = 137.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC	22.69	0.0	0.102	0.102 10Oct96 10:00
QCSPIKE A QC	40.11	0.0	0.177	0.177 10Oct96 10:03 %R = 87.1
11305-11I:10 QC	12.30	0.0	0.056	0.056 10Oct96 10:05
QCSPIKE A QC	31.91	0.0	0.141	0.141 10Oct96 10:07 %R = 98.1
11305-11D:10 QC	10.02	0.0	0.045	0.045 10Oct96 10:09
QCSPIKE A QC	32.20	0.0	0.143	0.143 10Oct96 10:11 %R = 110.9

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS			
CCV 1/9 30/A GW 11/5/96	29.45	0.0	0.131	0.131 10Oct96 10:13 %R = 98.2			
CCB 1/9 QC	-0.74	0.0	-0.004	-0.004 10Oct96 10:15 ABS = 0.001 CONCENTRATION LESS THAN IDL			
11305-11MS 1:10 QC 1/11 0.518/50	11.40	0.0	0.052	0.052 10Oct96 10:17	NC/mg	11003.9 ug/kg	
QCSPIKE A QC	31.20	0.0	0.138	0.138 10Oct96 10:19 %R = 99.0	NC/mg		
11305-11MD 1:10 QC 1/11 0.501/50	11.78	0.0	0.053	0.053 10Oct96 10:21	NC/mg	11756.5 ug/kg	
QCSPIKE A QC	33.15	0.0	0.147	0.147 10Oct96 10:24 %R = 106.8			
11305-9 1:10 QC 0.506/50	11.38	0.0	0.052	0.052 10Oct96 10:26		11245.0 ug/kg	
QCSPIKE A QC	32.49	0.0	0.144	0.144 10Oct96 10:28 %R = 105.5			
11305-10 1:10 QC 0.503/50	7.99	0.0	0.037	0.037 10Oct96 10:30		7942.3 ug/kg	
QCSPIKE A QC	29.32	0.0	0.130	0.130 10Oct96 10:32 %R = 106.6			
11305-12 1:10 QC 0.501/50	8.84	0.0	0.040	0.040 10Oct96 10:34		8822.4 ug/kg	
QCSPIKE A QC	27.76	0.0	0.124	0.124 10Oct96 10:36 %R = 94.6			
11305-13 1:10 QC 0.502/50	7.41	0.0	0.034	0.034 10Oct96 10:38		7410.0 ug/kg	
QCSPIKE A QC	29.42	0.0	0.131	0.131 10Oct96 10:41 %R = 110.1			
11305-16 1:10 QC 0.502/50	32.59	0.0	0.144	0.144 10Oct96 10:43		32460.2 ug/kg	
[redacted]SPIKE A QC	51.96	0.0	0.228	0.228 10Oct96 10:45 %R = 96.9			

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS	
11305-17 1:10 QC 0.302/50	15.42	0.0	0.070	0.070 10Oct96 10:47	15207.1 ug/L
QCSPIKE A QC	36.76	0.0	0.162	0.162 10Oct96 10:49 %R = 106.7	
11305-18 1:10 QC 0.254/50	25.83	0.0	0.115	0.115 10Oct96 10:51	25625.0 ug/L
QCSPIKE A QC	45.67	0.0	0.201	0.201 10Oct96 10:53 %R = 99.2	
11305-19 1:10 QC 0.203/50	41.03	0.0	0.181	0.181 10Oct96 10:55	40785.3 ug/L
QCSPIKE A QC	59.89	0.0	0.262	0.262 10Oct96 10:57 %R = 94.3	
CCV 1/210 QC 30 ug/L	27.79	0.0	0.124	0.124 10Oct96 10:59 %R = 92.6	
CCB 1/210 QC	-1.00	0.0	-0.005	-0.005 10Oct96 11:01 ABS = 0.000 CONCENTRATION LESS THAN IDL	
11305-20 1:10 QC 0.500/50	29.72	0.0	0.132	0.132 10Oct96 11:03	29720.0 ug/L
QCSPIKE A QC	49.26	0.0	0.216	0.216 10Oct96 11:06 %R = 97.7	
11305-23 1:10 QC 0.501/50	22.44	0.0	0.100	0.100 10Oct96 11:08	22395.2 ug/L
QCSPIKE A QC	43.48	0.0	0.191	0.191 10Oct96 11:10 %R = 105.2	
11305-24 1:10 QC	53.76	0.0	0.236	0.236 10Oct96 11:12	
QCSPIKE A QC	OVER	0.0	0.317	0.317 10Oct96 11:14	
QCSPIKE A QC	158.80	0.0	0.141	0.141 10Oct96 11:16 DF = 5.00	
11305-24 1:10 QC 0.505/50	45.00	0.0	0.041	0.041 10Oct96 11:18 DF = 5.00	44554.4 ug/L

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A	161.02	0.0	0.143	0.143
		W		10Oct96 11:20
				DF = 5.00
				%R = 116.0
				SAMPLE CONC <50% OF SPIKE CONCENTRATION
11305-25 :10	61.81	0.0	0.270	0.270
QC				10Oct96 11:22
11305-25 :10	58.51	0.0	0.053	0.053
QC				10Oct96 11:23
0.502/50				DF = 5.00
QCSPIKE A	176.48	0.0	0.156	0.156
QC		W		10Oct96 11:25
				DF = 5.00
				%R = 118.0
				SAMPLE CONC <50% OF SPIKE CONCENTRATION
11305-26 :10	OVER	0.0	0.353	0.353
QC				10Oct96 11:27
11305-26 :10	77.51	0.0	0.070	0.070
QC				10Oct96 11:29
0.502/50				DF = 5.00
QCSPIKE A	190.97	0.0	0.169	0.169
QC				10Oct96 11:31
				DF = 5.00
				%R = 113.5
11305-27 :10	OVER	0.0	0.781	0.781
QC				10Oct96 11:33
11305-27 :10	175.49	0.0	0.155	0.155
QC				10Oct96 11:35
0.514/50				DF = 5.00
QCSPIKE A	286.67	0.0	0.251	0.251
QC				10Oct96 11:37
				DF = 5.00
				%R = 111.2
	1.28	0.0	0.006	0.006
QC				10Oct96 11:39
QCSPIKE A	22.06	0.0	0.099	0.099
QC				10Oct96 11:41
				%R = 103.9
CCV 1/3 11	27.48	0.0	0.122	0.122
QC 30/11				10Oct96 11:43
				%R = 91.6
1/3 11	-1.42	0.0	-0.007	-0.007
QC				10Oct96 11:45
				ABS = -0.002
				CONCENTRATION LESS THAN IDL

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58276.9 ug/kg

77201.2 ug/kg

170710.1 ug/kg

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QC	26.61	0.0	0.119	0.119 10Oct96 11:47
BLANK QC	0.00		-0.014	-0.014 10Oct96 11:57 CONCENTRATION LESS THAN IDL
CCV 1/12 QC	30.75	0.0	0.136	0.136 10Oct96 11:59 %R = 102.5
CCB 1/12 QC	-0.07	0.0	-0.000	-0.000 10Oct96 12:01 ABS = 0.002 CONCENTRATION LESS THAN IDL
11000-1 QC	2.07	0.0	0.010	0.010 10Oct96 12:03
QCSPIKE A QC	23.77	0.0	0.106	0.106 10Oct96 12:05 %R = 108.5
RWMSD QC	28.92	0.0	0.129	0.129 10Oct96 12:07
QCSPIKE A QC	47.15	0.0	0.207	0.207 10Oct96 12:09 %R = 91.1
10633-1 QC	1.99	0.0	0.010	0.010 10Oct96 12:11
QCSPIKE A QC	21.80	0.0	0.098	0.098 10Oct96 12:13 %R = 99.1
10633-1DP QC	1.77	0.0	0.009	0.009 10Oct96 12:15
QCSPIKE A QC	23.02	0.0	0.103	0.103 10Oct96 12:18 %R = 106.2
BLANK QC	0.00		-0.002	-0.002 10Oct96 12:20 CONCENTRATION LESS THAN IDL
CCV 1/13 QC	31.03	0.0	0.138	0.138 10Oct96 12:22 %R = 103.4
CCB 1/13 QC	-0.13	0.0	-0.001	-0.001 10Oct96 12:24 ABS = 0.001 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
[redacted]33-1DP Z	1.44	0.0	0.007	0.007 10Oct96 12:26
BLANK QC	0.00		0.001	0.001 10Oct96 13:14 CONCENTRATION LESS THAN IDL
CCV 1614 QC 30 ppb 9% 10/8/96	31.31	0.0	0.139	0.139 10Oct96 13:16 %R = 104.4
CCB 1614 QC	0.07	0.0	0.000	0.000 10Oct96 13:18 ABS = 0.002 CONCENTRATION LESS THAN IDL
11226-2 1:2 QC 0.511/50	7.21	0.0	0.033	0.033 10Oct96 13:21 1411 mg/kg
QCSPIKE A QC	26.33	0.0	0.117	0.117 10Oct96 13:23 %R = 95.6
11226-2DP1:2 QC 0.511/50	8.06	0.0	0.037	0.037 10Oct96 13:25 %RPD 9.97 1559 mg/kg
QCSPIKE A QC	28.17	0.0	0.125	0.125 10Oct96 13:27 %R = 100.5
11226-2MS1:2 QC 0.501/50	17.98	0.0	0.081	0.081 10Oct96 13:29 %R: 109 3589 mg/kg
QCSPIKE A QC	39.49	0.0	0.174	0.174 10Oct96 13:31 %R = 107.5
11226-2MD1:2 QC 0.506/50	19.24	0.0	0.086	0.086 10Oct96 13:33 %RPD 9.61 %R: 120 3810 mg/kg
QCSPIKE A QC	35.95	0.0	0.159	0.159 10Oct96 13:35 %R = 83.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
11305-7:1000 Z QC	0.22	0.0	0.001	0.001 10Oct96 13:37 CONCENTRATION LESS THAN IDL
QCSPIKE A QC W	23.79	0.0	0.106	0.106 10Oct96 13:39 %R = 118.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION
[redacted]05-14 QC 0.346/50	12.15	0.0	0.055	0.055 10Oct96 13:41 1707 mg/kg

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	32.95	0.0	0.146	0.146 10Oct96 13:44 %R = 104.0
11305-2 1:20 QC 0.497	13.82	0.0	0.062	0.062 10Oct96 13:46
QCSPIKE A QC	33.75	0.0	0.149	0.149 10Oct96 13:48 %R = 99.6
11305-2 1:1000 QC 0.602	23.53	0.0	0.105	0.105 10Oct96 13:50
QCSPIKE A QC	41.45	0.0	0.183	0.183 10Oct96 13:52 %R = 89.6
QC	0.63	0.0	0.003	0.003 10Oct96 13:54
BLANK QC	0.00		0.005	0.005 10Oct96 14:05 CONCENTRATION LESS THAN IDL
CCV QC 30ppb	29.90	0.0	0.133	0.133 10Oct96 14:07 %R = 99.7
CCB QC	0.28	0.0	0.001	0.001 10Oct96 14:09 ABS = 0.004 CONCENTRATION LESS THAN IDL
PB,TL:14746 QC	2.18	0.0	0.011	0.011 10Oct96 14:11
BLANK QC	0.00		-0.001	-0.001 10Oct96 14:16 CONCENTRATION LESS THAN IDL
CCV QC 30ppb	30.60	0.0	0.136	0.136 10Oct96 14:18 %R = 102.0
CCB QC	-0.04	0.0	-0.000	-0.000 10Oct96 14:20 ABS = 0.002 CONCENTRATION LESS THAN IDL
PB,TL:14746 QC 100/100	1.34	0.0	0.007	0.007 10Oct96 14:22
QCSPIKE A QC	22.51	0.0	0.101	0.101 10Oct96 14:24 %R = 105.9

27807 ug/kg

2343625 ug/kg

1.34 mg/L

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
[redacted] 100/100	20.12	0.0	0.090	0.090 100ct96 14:26 %R = 101
QCSPIKE A QC	39.26	0.0	0.173	0.173 100ct96 14:28 %R = 95.7
10809-3 QC	7.00	0.0	0.033	0.033 100ct96 14:30
QCSPIKE A QC	16.88	0.0	0.076	0.076 100ct96 14:32 %R = 49.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-3DP QC	1.47	0.0	0.007	0.007 100ct96 14:34
QCSPIKE A QC	44.13B W	0.0	0.194B	0.194B 100ct96 14:37 %R = 213.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3MS QC	14.79	0.0	0.067	0.067 100ct96 14:39
QCSPIKE A QC	25.47	0.0	0.114	0.114 100ct96 14:41 %R = 53.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-3MD QC	12.28	0.0	0.056	0.056 100ct96 14:43
QCSPIKE A QC	33.27	0.0	0.147	0.147 100ct96 14:45 %R = 105.0
10809-1 50/100 QC	4.37	0.0	0.021	0.021 100ct96 14:47
QCSPIKE A QC	21.39	0.0	0.096	0.096 100ct96 14:49 %R = 85.1
10809-4 QC	31.16	0.0	0.138	0.138 100ct96 14:51
QCSPIKE A QC	47.08	0.0	0.207	0.207 100ct96 14:53 %R = 79.6 %R FAILED, REPEAT BY STANDARD ADDITIONS
[redacted]809-5 100/100	15.34	0.0	0.069	0.069 100ct96 14:55
QCSPIKE A QC	34.20	0.0	0.151	0.151 100ct96 14:57 %R = 94.3

20.12 mg/L

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8.74 mg/L

15.34 mg/L

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS	
PB,TS:14985 QC 2.00/100	1.54	0.0	0.008	0.008 10Oct96 14:59	77 ug/kg
QCSPIKE A QC	21.87	0.0	0.098	0.098 10Oct96 15:01 %R = 101.6	
CCV 1/17 QC 30ppb SW 11/8/96	31.51	0.0	0.140	0.140 10Oct96 15:03 %R = 105.0	
CCB 1/17 QC	1.19	0.0	0.006	0.006 10Oct96 15:05 ABS = 0.008	
LCS QC 2ppm 1:2 2.00/100	18.11	0.0	0.081	0.081 10Oct96 15:07 %R: 90.6	1811 ug/kg
QCSPIKE A QC	38.36	0.0	0.169	0.169 10Oct96 15:09 %R = 101.2	
BS QC 2ppm 1:2	18.73	0.0	0.084	0.084 10Oct96 15:11 %R: 93.6 %RPD = 2.82	1873 ug/kg
QCSPIKE A QC	38.58	0.0	0.170	0.170 10Oct96 15:14 %R = 99.2	
BSD QC	OVER	0.0	0.582	0.582 10Oct96 15:16	
BSD QC	23.10	0.0	0.022	0.022 10Oct96 15:17 DF = 5.00	
BLANK QC	0.00		-0.004	-0.004 10Oct96 15:20 CONCENTRATION LESS THAN IDL	
CCV 2/18 QC 30ppb SW 11/8/96	30.73	0.0	0.136	0.136 10Oct96 15:22 %R = 102.4	
CCB 2/18 QC	-0.29	0.0	-0.001	-0.001 10Oct96 15:24 ABS = 0.000 CONCENTRATION LESS THAN IDL	
BSD QC 2ppm 1:2 2.00/100	18.19	0.0	0.082	0.082 10Oct96 15:26 %R ~~90~~ 91.0 RC 10/11/96	1819 ug/kg ~~1890~~
QCSPIKE A QC	39.88	0.0	0.176	0.176 10Oct96 15:28 %R = 108.4	
11212-1 1:10 QC filter/100	16.05	0.0	0.072	0.072 10Oct96 15:30	16.05 ug/filter / 1814 = 0.00885 ug/m³

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	35.88	0.0	0.159	0.159 10Oct96 15:33 %R = 99.1
11212-2 1:10 QC	10.12	0.0	0.046	0.046 10Oct96 15:35
QCSPIKE A QC	31.63	0.0	0.140	0.140 10Oct96 15:37 %R = 107.5
11212-3 1:10 QC	10.92	0.0	0.049	0.049 10Oct96 15:39
QCSPIKE A QC	30.02	0.0	0.133	0.133 10Oct96 15:41 %R = 95.5
11212-4 1:10 QC	7.60	0.0	0.035	0.035 10Oct96 15:43
QCSPIKE A QC	27.87	0.0	0.124	0.124 10Oct96 15:45 %R = 101.4
11212-16 :10 QC	15.97	0.0	0.072	0.072 10Oct96 15:47
QCSPIKE A QC	37.23	0.0	0.164	0.164 10Oct96 15:49 %R = 106.3
11212-17 :10 QC	13.95	0.0	0.063	0.063 10Oct96 15:51
QCSPIKE A QC	30.20	0.0	0.134	0.134 10Oct96 15:54 %R = 81.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
11212-18 :10 QC	13.08	0.0	0.059	0.059 10Oct96 15:56
QCSPIKE A QC	32.84	0.0	0.146	0.146 10Oct96 15:58 %R = 98.8
11212-19 :10 QC	14.84	0.0	0.067	0.067 10Oct96 16:00
QCSPIKE A QC	36.02	0.0	0.159	0.159 10Oct96 16:02 %R = 105.9
11212-20 :10 QC	15.48	0.0	0.070	0.070 10Oct96 16:04

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10.12 mg/filter / 1861 m³ = 0.00544 mg/m³

10.92 mg/filter / 1812 m³ = 0.00603 mg/m³

7.60 mg/filter / 1805 m³ = 0.00421 mg/m³

15.97 mg/filter / 1741 m³ = 0.00917 mg/m³

13.08 mg/filter / 1739 m³ = 0.00752 mg/m³

14.84 mg/filter / 1747 m³ = 0.00849 mg/m³

15.48 mg/filter / 1729 m³ = 0.00895 mg/m³

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	34.72	0.0	0.154	0.154 10Oct96 16:06 %R = 96.2
CCV 2/19 QC 30 ppb	30.18	0.0	0.134	0.134 10Oct96 16:08 %R = 100.6
CCB 2/19 QC	-0.62	0.0	-0.003	-0.003 10Oct96 16:10 ABS = -0.001 CONCENTRATION LESS THAN IDL
11212-21 :10 QC filter 100	8.09	0.0	0.037	0.037 10Oct96 16:13 $\frac{8.09\ mg/filter}{1809\ m^3} = 0.00447\ mg/m^3$
QCSPIKE A QC	30.07	0.0	0.134	0.134 10Oct96 16:15 %R = 109.9
11212-22 :10 QC	9.22	0.0	0.042	0.042 10Oct96 16:17 $\frac{9.22\ mg/filter}{1816\ m^3} = 0.00508\ mg/m^3$
QCSPIKE A QC	31.54	0.0	0.140	0.140 10Oct96 16:19 %R = 111.6
11212-23 :10 QC	0.28	0.0	0.001	0.001 10Oct96 16:21 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.59	0.0	0.092	0.092 10Oct96 16:23 %R = 103.0
11319-5 1:10 QC	18.02	0.0	0.081	0.081 10Oct96 16:25
QCSPIKE A QC	33.37	0.0	0.148	0.148 10Oct96 16:27 %R = 76.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
11319-6 1:10 QC filter 100	15.15	0.0	0.068	0.068 10Oct96 16:29 $\frac{16.15\ mg/filter}{1782\ m^3} = 0.0085\ mg/m^3$
QCSPIKE A QC	36.28	0.0	0.160	0.160 10Oct96 16:32 %R = 105.7
11319-7 1:10 QC	14.49	0.0	0.065	0.065 10Oct96 16:34 $\frac{14.49\ mg/filter}{1772\ m^3} = 0.0054\ mg/m^3$
QCSPIKE A QC	35.71	0.0	0.158	0.158 10Oct96 16:36 %R = 106.1

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11319-8 1:10 filter TOC	18.94	0.0	0.085	0.085 10Oct96 16:38 18.94 ug/filter / 1742 m3 = 0.0109 ug/m3
QCSPIKE A QC	37.16	0.0	0.164	0.164 10Oct96 ~~16~~:40 %R = 91.1
11319-9 1:10 QC	0.09	0.0	0.000	0.000 10Oct96 16:42 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.66	0.0	0.088	0.088 10Oct96 16:44 %R = 98.3
QC	-0.66	0.0	-0.003	-0.003 10Oct96 16:46 CONCENTRATION LESS THAN IDL
BLANK QC	0.00		0.002	0.002 10Oct96 16:58 CONCENTRATION LESS THAN IDL
CCV 2/2 30 SW 11/8/96 QC 30ppb	30.85	0.0	0.137	0.137 10Oct96 17:00 %R = 102.8
CCB 2/2 30 QC	-0.16	0.0	-0.001	-0.001 10Oct96 17:02 ABS = 0.001 CONCENTRATION LESS THAN IDL
10809-3 1:2 QC	1.96	0.0	0.010	0.010 10Oct96 17:04
QCSPIKE A QC	17.12	0.0 W	0.077	0.077 10Oct96 17:06 %R = 75.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3DP1:2 QC	1.60	0.0	0.008	0.008 10Oct96 17:08
QCSPIKE A QC	17.17	0.0 W	0.077	0.077 10Oct96 17:10 %R = 77.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3MS1:2 QC	8.75	0.0	0.040	0.040 10Oct96 17:12
QCSPIKE A QC	23.03	0.0	0.103	0.103 10Oct96 17:14 %R = 71.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-3MD1:2 QC	9.38	0.0	0.043	0.043 10Oct96 17:16

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	23.82	0.0	0.106	0.106 10Oct96 17:19 %R = 72.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-4 1:5 QC	6.37	0.0	0.030	0.030 10Oct96 17:21
QCSPIKE A QC	24.66	0.0	0.110	0.110 10Oct96 17:23 %R = 91.4
11212-17 :10 QC	13.36	0.0	0.060	0.060 10Oct96 17:25
QCSPIKE A QC	31.01	0.0	0.138	0.138 10Oct96 17:27 %R = 88.3
11212-23 QC	5.16	0.0	0.025	0.025 10Oct96 17:29
QCSPIKE A QC	25.85	0.0	0.115	0.115 10Oct96 17:31 %R = 103.4
11319-5 1:20 QC	9.45	0.0	0.043	0.043 10Oct96 17:33
QCSPIKE A QC	23.26	0.0	0.104	0.104 10Oct96 17:35 %R = 69.1 %R FAILED, REPEAT BY STANDARD ADDITIONS
11319-9 QC	1.29	0.0	0.006	0.006 10Oct96 17:37
QCSPIKE A QC	21.52	0.0	0.096	0.096 10Oct96 17:39 %R = 101.1
QC	-0.39	0.0	-0.002	-0.002 10Oct96 17:41 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.57	0.0	0.097	0.097 10Oct96 17:43 %R = 107.9
CCV 2/21 QC 30ppb	28.45	0.0	0.127	0.127 10Oct96 17:45 %R = 94.8
CCB 2/21 QC	-0.37	0.0	-0.002	-0.002 10Oct96 17:47 ABS = 0.000 CONCENTRATION LESS THAN IDL

ANALYST 10-10-96 DATE
REVIEW 10/10/96 DATE
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ANALYTE 2 INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
[redacted]	-0.44	0.0	-0.002	-0.002 10Oct96 17:49 CONCENTRATION LESS THAN IDL
BLANK QC	0.00		-0.002	-0.002 10Oct96 17:54 CONCENTRATION LESS THAN IDL
CCV 2422 QC 30ppb SW 11/9/96	29.21	0.0	0.130	0.130 10Oct96 17:56 %R = 97.3
CCB 2422 QC	0.32	0.0	0.002	0.002 10Oct96 17:58 ABS = 0.003 CONCENTRATION LESS THAN IDL
11319-5 1:20 QC	8.84	0.0	0.040	0.040 10Oct96 18:00
QCSPIKE A QC	24.24	0.0	0.108	0.108 10Oct96 18:03 %R = 77.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
BLANK QC	0.00		0.007	0.007 10Oct96 18:06 CONCENTRATION LESS THAN IDL
CCV 2523 SW QC 30ppb 11/8/96	27.32	0.0	0.122	0.122 10Oct96 18:08 %R = 91.1
CCB 2523 QC	-1.48	0.0	-0.007	-0.007 10Oct96 18:10 ABS = -0.004 CONCENTRATION LESS THAN IDL
11319-5 1:25 QC filter 100	5.26	0.0	0.025	0.025 10Oct96 18:12 $\frac{13.15\ mg/filter}{1732\ m^3} = 0.00759\ mg/m^3$
QCSPIKE A QC	26.15	0.0	0.117	0.117 10Oct96 18:14 %R = 104.4
BLANK QC	0.00		-0.008	-0.008 10Oct96 18:21 CONCENTRATION LESS THAN IDL
CCV 2634 QC 30ppb SW 11/9/96	29.55	0.0	0.131	0.131 10Oct96 18:23 %R = 98.5
[redacted] 2634	0.13	0.0	0.001	0.001 10Oct96 18:25 ABS = 0.002 CONCENTRATION LESS THAN IDL

ANALYST [illegible] DATE 10-10-96
REVIEW [illegible] DATE 10/10/96
DATA ENTRY [illegible] DATE 10.11.96
ANALYTE [illegible] INST.# 2

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
PB,TS:14854	-0.09	0.0	-0.000	-0.000
QC	0.600/50			10Oct96 18:27
				CONCENTRATION LESS THAN IDL
QCSPIKE A	19.71	0.0	0.088	0.088
QC				10Oct96 18:29
				%R = 98.5
LCS	17.12	0.0	0.077	0.077
QC				10Oct96 18:31 %R=85.6
QCSPIKE A	37.94	0.0	0.168	0.168
QC				10Oct96 18:33
				%R = 104.1
11062-1	0.09	0.0	0.000	0.000
QC				10Oct96 18:35
				CONCENTRATION LESS THAN IDL
QCSPIKE A	7.24	0.0	0.034	0.034
QC		E		10Oct96 18:37
				%R = 36.2
				%R LESS THAN MINIMUM LIMIT
11062-1DP	5.44	0.0	0.026	0.026
QC	0.025/50			10Oct96 18:39 43.6%RPD
QCSPIKE A	24.68	0.0	0.110	0.110
QC				10Oct96 18:41
				%R = 96.2
11062-1MS	21.77	0.0	0.098	0.098
QC	0.024/50			10Oct96 18:43 95.9%rec
QCSPIKE A	31.59	0.0	0.140	0.140
QC				10Oct96 18:45 21.5%RPD
				%R = 49.1
				%R FAILED, REPEAT BY STANDARD ADDITIONS
11062-1MD	19.99	0.0	0.090	0.090
QC	0.034/50			10Oct96 18:47 22.3%RPD 56%rec w10-11a
QCSPIKE A	37.16	0.0	0.164	0.164
QC				10Oct96 18:50
				%R = 85.9
11062-2	3.39	0.0	0.016	0.016
QC	0.033/50			10Oct96 18:52
QCSPIKE A	22.01	0.0	0.099	0.099
QC				10Oct96 18:54
				%R = 93.1
11062-3	6.47	0.0	0.030	0.030
QC				10Oct96 18:56
QCSPIKE A	11.24	0.0	0.051	0.051
QC		E		10Oct96 18:58
				%R = 23.8

1712 mg/kg

10880 mg/kg

45354 mg/kg

29397 mg/kg

5136 mg/kg

ANALYST		DATE 10-10-96
REVIEW		DATE 10-16-96
DATA ENTRY		DATE
ANALYTE		INST.#

%R LESS THAN MINIMUM LIMIT

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11062-4	9.57	0.0	0.043	0.043 10Oct96 19:00
QCSPIKE A QC	12.44	0.0 E	0.056	0.056 10Oct96 19:02 %R = 14.3 %R LESS THAN MINIMUM LIMIT
11062-5 QC	0.34	0.0	0.002	0.002 10Oct96 19:04 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	6.62	0.0 E	0.031	0.031 10Oct96 19:06 %R = 33.1 %R LESS THAN MINIMUM LIMIT
CCV 2/1215 QC 30ppb	28.77	0.0	0.128	0.128 10Oct96 19:09 %R = 95.9
CCB 2/1225 QC	0.06	0.0	0.000	0.000 10Oct96 19:11 ABS = 0.002 CONCENTRATION LESS THAN IDL
11062-6 QC	4.87	0.0	0.023	0.023 10Oct96 19:13
QCSPIKE A QC	22.01	0.0	0.099	0.099 10Oct96 19:15 %R = 85.7
11062-7 QC	1.07	0.0	0.005	0.005 10Oct96 19:17
QCSPIKE A QC	9.56	0.0 W	0.043	0.043 10Oct96 19:19 %R = 42.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11062-8 QC	OVER	0.0	0.413	0.413 10Oct96 19:21
11062-8 QC	58.19	0.0	0.053	0.053 10Oct96 19:23 DF = 5.00
QCSPIKE A QC	OVER	0.0 DE	0.426	0.426 10Oct96 19:25 DF = 5.00 %R = -58.2 REDUCED SAMPLE VOLUME LESS THAN 1 mL
11062-9 QC	11.82	0.0	0.054	0.054 10Oct96 19:27

ANALYST 10-10-96 DATE
REVIEW 10/10/96 DATE
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ANALYTE INST.#

(1202)

Varian SpectrAA 300/400 Zeeman
QC Protocol Report

INCHCAPE TESTING SERVICES
NDRC LABORATORY-DALLAS
FURNACE #3

OPERATOR	MARTY
DATE	10-24-96
BATCH	TL

ANALYST 10/24/96 DATE
REVIEW 10/24/96 DATE
DATA ENTRY 10-24-96 DATE
ANALYTE 3 INST.#

QC PROTOCOL PARAMETERS

IF THERE IS AN ERROR	FLAG AND CONTINUE
QC SPIKE POSITION	52
RECOVERY LIMITS (%)	85 TO 115
RECOVERY MINIMUM LIMIT (%)	40
CORRELATION COEFFICIENT (r)	0.995
OVERRANGE VOLUME REDUCTION	5
REPLICATE RSD LIMIT (%)	20.0

Std. Lot #: AB308-24K Modifier Lot #: AB308-25A

ICV Lot #: AB308-24K CCV Lot #: AB308-24K

LCS & MS/MSD Lot #: 690619

PROGRAM 5 T1 PLAT.3PT.Pd

INSTRUMENT MODE	ABSORBANCE
CALIBRATION MODE	CONCENTRATION
MEASUREMENT MODE	PEAK AREA
LAMP POSITION	6
LAMP CURRENT (mA)	10
SLIT WIDTH (nm)	0.5
SLIT HEIGHT	NORMAL
WAVELENGTH (nm)	276.8
SAMPLE INTRODUCTION	SAMPLER AUTOMIXING
TIME CONSTANT	0.05
MEASUREMENT TIME (sec)	1.0
REPLICATES	1
BACKGROUND CORRECTION	ON
MAXIMUM ABSORBANCE	0.55

FURNACE PARAMETERS

STEP NO.	TEMPERATURE (C)	TIME (sec)	GAS FLOW (L/min)	GAS TYPE	READ COMMAND
1	200	5.0	3.0	NORMAL	NO
2	200	10.0	3.0	NORMAL	NO
3	370	8.0	3.0	NORMAL	NO
4	370	15.0	3.0	NORMAL	NO
5	370	2.0	0.0	NORMAL	NO
6	1700	0.7	0.0	NORMAL	YES
7	1700	4.0	0.0	NORMAL	YES
8	2400	4.0	3.0	NORMAL	NO

SAMPLER PARAMETERS

	VOLUMES (µL) SOLUTION	BLANK	MODIFIER
BLANK	--	20	5
STANDARD 1	2	18	5
STANDARD 2	6	14	5
STANDARD 3	12	8	5
SAMPLE	20	0	5

RECALIBRATION RATE 0
RESLOPE RATE 0

MULTIPLE INJECT NO HOT INJECT YES PRE INJECT NO
TEMPERATURE 90
INJECT RATE 7

QC PROTOCOL PARAMETERS

QC STANDARD RATE	20
QC INITIAL STANDARD POSITION	48
QC INITIAL BLANK POSITION	51
QC CONTINUING STANDARD POSITION	49
QC CONTINUING BLANK POSITION	51
QC STANDARD VOLUME (µL)	20
QC STANDARD CONCENTRATION	25.0 PPB
QC STANDARD LIMITS (%)	80 TO 120
QC SPIKE RATE	1
QC SPIKE VOLUME (µL)	4
QC SPIKE CONCENTRATION	100.0 PPB
MATRIX SPIKE CONCENTRATION	0.0 PPB
INSTRUMENT DETECTION LIMIT	1.0 PPB
REQUIRED DETECTION LIMIT	10.0 PPB

ANALYST	DATE 10/24/96
REVIEW	DATE 10/29/96
DATA ENTRY	DATE 10-24-96
ANALYTE	INST.# 3

CONDITIONS FOR Tl :
Alternative Wavelengths (nm) : 258.0
Spectral Bandwidths (nm) : 1.0
Maximum Ash Temperature : 400xC
Recommended Atomize Temperature : 2200xC
Recommended Chemical Modifiers :
1% sulphuric acid solution, or
Palladium Chloride solution (500-2000µg/mL) plus reducing agent such as ascorbic acid.
Response with Argon : 10µL of 75ng/mL gives about 0.2 Abs.

The 1% sulphuric acid overcomes severe interferences from hydrochloric acid, perchloric acid and sodium chloride. The palladium permits higher ashing temperatures.
Use of a multi-element lamp may require a different slit width, lamp current and wavelength to isolate the analytical line.

PROGRAM 5 T1 PLAT.3PT.Pd QC ZEEMAN
BLANK REPLICATE 1
ABSORBANCE CONCENTRATION SAMPLER AUTOMIX
PEAK AREA MAX.ABS. 0.55 BC ON

AUTOMATIC RUN PAUSED PRINTING

SAMPLE LABELS

1. 10PPB STD	2. PB,TS:14815	3. LCS
4. 10569-5	5. 10569-5D	6. 10569-5MS
7. 10569-5MD	8. 10026-2	9. PB,NL:14777
10. LCS	11. 11118-1	12. 11118-1D
13. 11118-1MS	14. 11118-1MD	15. 11130-1
16. PB,NL:14891	17. LCS	18. 11211-1
19. 11211-1D	20. 11211-1MS	21. 11211-1MD
22. 11196-1	23. 11196-2	24. 11196-3
25. PB,TL:14758	26. LCS	27. 10920-1
28. 10920-1D	29. 10920-1MS	30. 10920-1MD
31. 10891-1	32. 10891-2	33. PB,TL:14771
34. LCS	35. 11007-5	36. 11007-5D
37. 11007-5MS	38. 11007-5MD	39. 10977-1
40.	41.	42.
43.	44.	45.

F INCREMENT 1 LABELS

F CALIBRATION 5

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
BLANK QC	0.0		-0.003	-0.003 24Oct96 04:05 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	10.0	0.0	0.014	0.014 24Oct96 04:07
STANDARD 2 QC	30.0	0.0	0.042	0.042 24Oct96 04:09
BLANK QC	0.0		0.003	0.003 24Oct96 04:13 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	10.0	0.0	0.017	0.017 24Oct96 04:15
STANDARD 2 QC	30.0	0.0	0.041	0.041 24Oct96 04:17
BLANK QC	0.0		0.002	0.002 24Oct96 04:21 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	10.0	0.0	0.040	0.040 24Oct96 04:23

ANALYST RE 10/24/96 DATE
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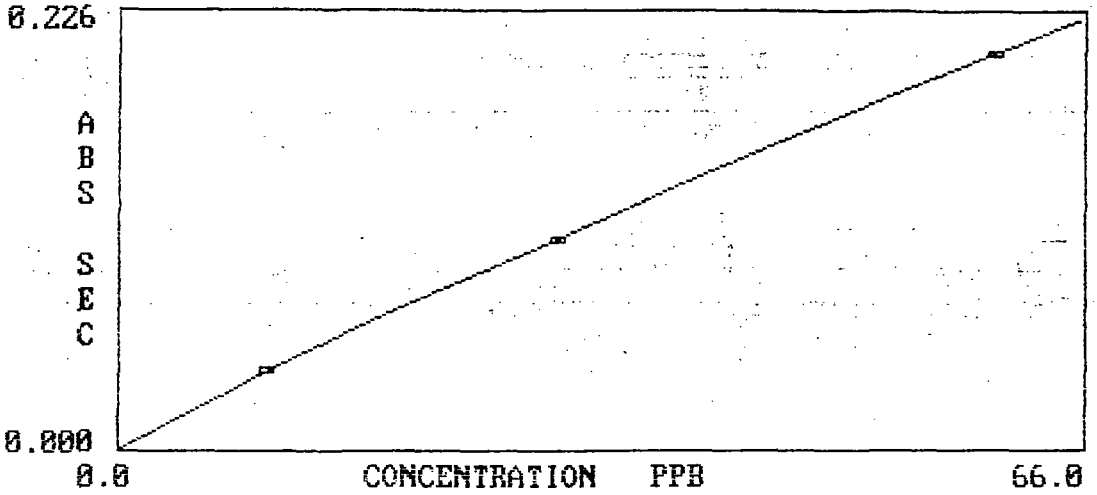
ANALYTE 3 INST.#

corr=0.999

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
STANDARD 2 QC	30.0	0.0	0.109	0.109 24Oct96 04:25
STANDARD 3 QC	60.0	0.0	0.206	0.206 24Oct96 04:27



ICV QC 40%	39.1	0.0 Q	0.139	0.139 24Oct96 04:29 %R = 156.6
ICB QC	0.4	0.0	0.002	0.002 24Oct96 04:31 ABS = 0.002 CONCENTRATION LESS THAN IDL
10PPB STD QC	10.0	0.0	0.040	0.040 24Oct96 04:33 100%
QCSPIKE A QC	32.0	0.0	0.115	0.115 24Oct96 04:35 %R = 110.4
BLANK QC	0.0		-0.004	-0.004 24Oct96 04:38 CONCENTRATION LESS THAN IDL

ANALYST	DATE 10/24/96
REVIEW	DATE 10/24/96
DATA ENTRY	DATE 10-29-96
ANALYTE 3	INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS		
CCV ✓ QC >5%	24.6	0.0	0.091	0.091 24Oct96 04:40 %R = 98.2		
CCB ✓ QC	-0.2	0.0	-0.001	-0.001 24Oct96 04:42 ABS = -0.001 CONCENTRATION LESS THAN IDL		
PB,NL:14777 QC	0.1	0.0	0.000	0.000 24Oct96 04:44 CONCENTRATION LESS THAN IDL		C
QCSPIKE A QC	21.5	0.0	0.081	0.081 24Oct96 04:46 %R = 107.4		
LCS QC 40%	38.1	0.0	0.136	0.136 24Oct96 04:48	95.2 %rec	38.1 %
QCSPIKE A QC	56.5	0.0	0.195	0.195 24Oct96 04:50 %R = 92.4		
11118-1 QC	-0.5	0.0	-0.002	-0.002 24Oct96 04:52 CONCENTRATION LESS THAN IDL		C
QCSPIKE A QC	19.0	0.0	0.072	0.072 24Oct96 04:54 %R = 94.9		
11118-1D QC	0.2	0.0	0.001	0.001 24Oct96 04:56 CONCENTRATION LESS THAN IDL	NC/RPD	C
QCSPIKE A QC	20.5	0.0	0.078	0.078 24Oct96 04:58 %R = 102.4		
11118-1MS QC 40%	37.0	0.0	0.132	0.132 24Oct96 04:59	92.5 %rec	37.0 %
QCSPIKE A QC	56.0	0.0	0.193	0.193 24Oct96 05:02 %R = 94.9		
11118-1MD QC 40%	37.0	0.0	0.132	0.132 24Oct96 05:03	0.00 %RPD 92.5 %rec	37.0 %
QCSPIKE A QC	55.0	0.0	0.190	0.190 24Oct96 05:06 %R = 89.7		
11130-1 QC	0.8	0.0	0.003	0.003 24Oct96 05:07 CONCENTRATION LESS THAN IDL		C

ANALYST 10/24/96 DATE
REVIEW 10/24/96 DATE
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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	19.4	0.0	0.074	0.074 24Oct96 05:10 %R = 97.2
PB,NL:14891 QC	0.1	0.0	0.000	0.000 24Oct96 05:11 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.3	0.0	0.077	0.077 24Oct96 05:14 %R = 101.4
LCS QC	38.1	0.0	0.136	0.136 24Oct96 05:15
QCSPIKE A QC	58.7	0.0	0.202	0.202 24Oct96 05:18 %R = 103.2
11211-1 QC	1.2	0.0	0.005	0.005 24Oct96 05:19
QCSPIKE A QC	16.0	0.0 W	0.062	0.062 24Oct96 05:22 %R = 74.0 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV QC	24.1	0.0	0.090	0.090 24Oct96 05:23 %R = 96.6
CCB QC	-0.2	0.0	-0.001	-0.001 24Oct96 05:25 ABS = -0.001 CONCENTRATION LESS THAN IDL
11211-1D QC	-0.1	0.0	-0.000	-0.000 24Oct96 05:27 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.1	0.0 W	0.059	0.059 24Oct96 05:29 %R = 75.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11211-1MS QC	28.3	0.0	0.103	0.103 24Oct96 05:31
QCSPIKE A QC	44.1	0.0	0.155	0.155 24Oct96 05:33 %R = 78.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
11211-1MD QC	27.3	0.0	0.100	0.100 24Oct96 05:35
QCSPIKE A QC	40.8	0.0	0.145	0.145 24Oct96 05:38 %R = 67.5 %R FAILED, REPEAT BY STANDARD ADDITIONS

ANALYST DATE 10/24/96
REVIEW DATE 10-24-96
DATA ENTRY DATE
ANALYTE INST.#

ANALYST [illegible] DATE 10/24/96
REVIEW [illegible] DATE 10/24/96
DATA ENTRY [illegible] DATE 10-24-96
ANALYTE 3 INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11196-1 100/100 QC	-0.0	0.0	-0.000	-0.000 24Oct96 05:39 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.0	0.0	0.079	0.079 24Oct96 05:42 %R = 105.1
11196-2 QC	-0.3	0.0	-0.001	-0.001 24Oct96 05:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.2	0.0	0.077	0.077 24Oct96 05:46 %R = 101.1
11196-3 QC	0.1	0.0	0.000	0.000 24Oct96 05:48 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.3	0.0	0.073	0.073 24Oct96 05:50 %R = 96.3
PB,TL:14758 QC 45/50	-0.4	0.0	-0.001	-0.001 24Oct96 05:52 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.5	0.0	0.074	0.074 24Oct96 05:54 %R = 97.3
LCS QC 40/40	35.8	0.0	0.128	0.128 24Oct96 05:56 99.5 %/see 39.8 %/L
QCSPIKE A QC	54.4	0.0	0.188	0.188 24Oct96 05:58 %R = 93.5
10920-1 QC	0.3	0.0	0.001	0.001 24Oct96 06:00 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.2 W	0.0	0.063	0.063 24Oct96 06:02 %R = 80.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10920-1D QC	-0.3	0.0	-0.001	-0.001 24Oct96 06:04 ml/min CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.2 W	0.0	0.063	0.063 24Oct96 06:06 %R = 80.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
CCV A3 QC	23.5	0.0	0.088	0.088 24Oct96 06:08 %R = 94.0
CCB A3 QC	-0.1	0.0	-0.000	-0.000 24Oct96 06:10 ABS = -0.001 CONCENTRATION LESS THAN IDL
10920-1MS QC 40 ppb 45/50	28.4	0.0	0.103	0.103 24Oct96 06:11 79.0%/sec 31.6 ug/L
QCSPIKE A QC	45.4	0.0	0.160	0.160 24Oct96 06:13 %R = 85.3 2.50%/RPM
10920-1MD QC 40 ppb	29.2	0.0	0.106	0.106 24Oct96 06:15 81.0%/sec 32.4 ug/L
QCSPIKE A QC	46.0	0.0	0.162	0.162 24Oct96 06:17 %R = 84.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
10891-1 QC	0.2	0.0	0.001	0.001 24Oct96 06:19 CONCENTRATION LESS THAN IDL C
QCSPIKE A QC	19.3	0.0	0.074	0.074 24Oct96 06:21 %R = 96.7
10891-2 QC	0.3	0.0	0.001	0.001 24Oct96 06:23 CONCENTRATION LESS THAN IDL C
QCSPIKE A QC	18.7	0.0	0.072	0.072 24Oct96 06:25 %R = 93.7
PB,TL:14771 QC 45/50	-0.2	0.0	-0.001	-0.001 24Oct96 06:27 CONCENTRATION LESS THAN IDL C
QCSPIKE A QC	20.1	0.0	0.076	0.076 24Oct96 06:29 %R = 100.4
LCS QC 40 ppb	34.7	0.0	0.124	0.124 24Oct96 06:31 96.5%/sec 38.6 ug/L
QCSPIKE A QC	54.5	0.0	0.189	0.189 24Oct96 06:33 %R = 99.1
1[illegible]07-5 QC	-0.2	0.0	-0.001	-0.001 24Oct96 06:35 CONCENTRATION LESS THAN IDL C

ANALYST [illegible] DATE 10/24/96
REVIEW [illegible] DATE 10/24/96
DATA ENTRY [illegible] DATE 10.24.96
ANALYTE [illegible] INST.# [illegible]

A1-B

ANALYST 10/24/96 DATE
REVIEW 10-24-96 DATE
DATA ENTRY 3 DATE
ANALYTE INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	19.4	0.0	0.074	0.074 24Oct96 06:37 %R = 96.9
11007-5D 4/5 QC 5/5	0.2	0.0	0.001	0.001 24Oct96 06:39 CONCENTRATION LESS THAN IDL nc/ccl C
QCSPIKE A QC	19.7	0.0	0.075	0.075 24Oct96 06:41 %R = 98.3
11007-5MS QC 40ppb	32.4	0.0	0.117	0.117 24Oct96 06:43 90.0/.ee 36.0 ug/L
QCSPIKE A QC	52.1	0.0	0.181	0.181 24Oct96 06:45 %R = 98.5 1.10/.ee
11007-5MD QC 40ppb	32.8	0.0	0.118	0.118 24Oct96 06:47 91.0/.ee 36.4 ug/L
QCSPIKE A QC	51.5	0.0	0.179	0.179 24Oct96 06:49 %R = 93.6
CCV 4/4 QC 25ppb std w/ 3%	24.6	0.0	0.091	0.091 24Oct96 06:51 %R = 98.2
CCB 4/4 QC	0.0	0.0	0.000	0.000 24Oct96 06:53 ABS = -0.000 CONCENTRATION LESS THAN IDL
10977-1 4/5 QC 5/5	0.0	0.0	0.000	0.000 24Oct96 06:54 CONCENTRATION LESS THAN IDL C
QCSPIKE A QC	19.8	0.0	0.075	0.075 24Oct96 06:57 %R = 99.2
QC	-0.2	0.0	-0.001	-0.001 24Oct96 06:58 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.3	0.0	0.077	0.077 24Oct96 07:00 %R = 101.3
QC	-0.1	0.0	-0.000	-0.000 24Oct96 07:02 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		-0.005	-0.005 24Oct96 07:05 CONCENTRATION LESS THAN IDL

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
CCV 66 QC	26.0	0.0	0.096	0.096 24Oct96 07:07 %R = 104.0
CCB 46 QC	-0.1	0.0	-0.001	-0.001 24Oct96 07:09 ABS = -0.002 CONCENTRATION LESS THAN IDL
PB,TS:14815 QC 0.500 SU	0.3	0.0	0.001	0.001 24Oct96 07:11 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.1	0.0	0.080	0.080 24Oct96 07:13 %R = 105.3
LCS QC 4/pp	39.7	0.0	0.141	0.141 24Oct96 07:15
QCSPIKE A QC	59.8	0.0	0.205	0.205 24Oct96 07:17 %R = 100.5
10569-5 QC 0.523 SU	1.2	0.0	0.005	0.005 24Oct96 07:19
QCSPIKE A QC	18.5	0.0	0.071	0.071 24Oct96 07:21 %R = 86.6
10569-5D QC 0.518 SU	0.5	0.0	0.002	0.002 24Oct96 07:23 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.4	0.0	0.070	0.070 24Oct96 07:25 %R = 91.8
10569-5MS QC 4/pp 0.517 SU	32.0	0.0	0.115	0.115 24Oct96 07:27
QCSPIKE A QC	48.8	0.0	0.170	0.170 24Oct96 07:29 %R = 84.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
10569-5MD QC 4/pp 0.526 SU	32.8	0.0	0.118	0.118 24Oct96 07:31
QCSPIKE A QC	49.1	0.0	0.172	0.172 24Oct96 07:33 %R = 81.6 %R FAILED, REPEAT BY STANDARD ADDITIONS
26-2 QC 0.508 SU	6.9	0.0	0.027	0.027 24Oct96 07:35

mlc 10/24/96 ANALYST DATE
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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	25.2	0.0	0.093	0.093 24Oct96 07:37 %R = 91.8
PB,NL:14777 QC	0.2	0.0	0.001	0.001 24Oct96 07:39 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	22.7	0.0	0.085	0.085 24Oct96 07:41 %R = 113.4
LCS QC	39.3	0.0	0.140	0.140 24Oct96 07:43
BLANK QC	0.0		0.004	0.004 24Oct96 07:58 CONCENTRATION LESS THAN IDL
CCV 1/4 QC	25.7	0.0	0.095	0.095 24Oct96 08:00 %R = 102.6
CCB 1/4 QC	0.1	0.0	0.000	0.000 24Oct96 08:02 ABS = -0.000 CONCENTRATION LESS THAN IDL
PB,DS QC	-0.1	0.0	-0.000	-0.000 24Oct96 08:04 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.6	0.0	0.078	0.078 24Oct96 08:06 %R = 103.0
LCS 25PPB QC	24.7	0.0	0.092	0.092 24Oct96 08:08
QCSPIKE A QC	47.1	0.0	0.165	0.165 24Oct96 08:10 %R = 112.0
RWMS 25PPB QC	24.9	0.0	0.092	0.092 24Oct96 08:12
QCSPIKE A QC	47.4	0.0	0.166	0.166 24Oct96 08:14 %R = 112.7
RWMD 25PPB QC	25.2	0.0	0.093	0.093 24Oct96 08:16
QCSPIKE A QC	46.8	0.0	0.164	0.164 24Oct96 08:18 %R = 108.3

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98.8 %rec 24.7 ug/L
99.6 %rec 24.9 ug/L
140 %RPD
101 %rec 25.2 ug/L

SAMPLE	CONC PPB		%RSD	MEAN ABS	READINGS
10809-3	OVER		0.0	0.276B	0.276B
QC					240ct96 08:20
10809-3	8.3B		0.0	0.007B	0.007B
QC					240ct96 08:21
					DF = 5.00
QCSPIKE A	73.8B		0.0	0.058B	0.058B
QC		W			240ct96 08:23
					DF = 5.00
					%R = 65.6
					SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3D	63.3B		0.0	0.216B	0.216B
QC					240ct96 08:25
10809-3D	14.0B		0.0	0.011B	0.011B
QC					240ct96 08:27
					DF = 5.00
QCSPIKE A	75.7B		0.0	0.059B	0.059B
QC		W			240ct96 08:29
					DF = 5.00
					%R = 61.7
					SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-1	-0.6B		0.0	-0.002B	-0.002B
QC					240ct96 08:31
					CONCENTRATION LESS THAN IDL
QCSPIKE A	11.9B		0.0	0.047B	0.047B
QC		W			240ct96 08:33
					%R = 59.4
					SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-4	10.5B		0.0	0.042B	0.042B
QC					240ct96 08:34
QCSPIKE A	34.5B		0.0	0.124B	0.124B
QC		W			240ct96 08:36
					%R = 119.8
					SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5	9.5B		0.0	0.038B	0.038B
QC					240ct96 08:38
QCSPIKE A	19.4B		0.0	0.074B	0.074B
QC					240ct96 08:40
					%R = 49.1
					%R FAILED, REPEAT BY STANDARD ADDITIONS
CCV #1	25.4		0.0	0.094	0.094
QC					240ct96 08:42
					%R = 101.5
CCB #1	-0.3		0.0	-0.001	-0.001
QC					240ct96 08:44
					ABS = -0.002
					CONCENTRATION LESS THAN IDL

ANALYST [illegible] DATE 10/24/96
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ANALYST MC DATE 10/24/96
REVIEW [illegible] DATE 10-24-96
DATA ENTRY [illegible] DATE
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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
PB,TL:14746 QC	0.0	0.0	0.000	0.000 24Oct96 08:46 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.7	0.0	0.078	0.078 24Oct96 08:48 %R = 103.3
LCS QC	35.8	0.0	0.128	0.128 24Oct96 08:50
QCSPIKE A QC	57.8	0.0	0.199	0.199 24Oct96 08:52 %R = 110.1
10809-3 QC	3.6B	0.0	0.014B	0.014B 24Oct96 08:54
QCSPIKE A QC	32.2B W	0.0	0.116B	0.116B 24Oct96 08:56 %R = 143.0 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3D QC	15.7B	0.0	0.061B	0.061B 24Oct96 08:58
QCSPIKE A QC	22.5B E	0.0	0.084B	0.084B 24Oct96 09:00 %R = 34.1 %R LESS THAN MINIMUM LIMIT
10809-3MS QC	20.9B	0.0	0.079B	0.079B 24Oct96 09:02
QCSPIKE A QC	34.2B	0.0	0.123B	0.123B 24Oct96 09:04 %R = 66.6 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-3MD QC	22.7B	0.0	0.085B	0.085B 24Oct96 09:06
QCSPIKE A QC	51.9B	0.0	0.180B	0.180B 24Oct96 09:08 %R = 145.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-1 QC	-0.7	0.0	-0.003	-0.003 24Oct96 09:10 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	10.4 W	0.0	0.042	0.042 24Oct96 09:12 %R = 52.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-4 QC	-1.0	0.0	-0.004	-0.004 24Oct96 09:14 CONCENTRATION LESS THAN IDL

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	8.8	0.0 W	0.035	0.035 24Oct96 09:16 %R = 44.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 100/10 QC	-0.4	0.0	-0.002	-0.002 24Oct96 09:18 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	10.4	0.0 W	0.041	0.041 24Oct96 09:20 %R = 51.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.3	0.0	0.001	0.001 24Oct96 09:22 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.1	0.0	0.076	0.076 24Oct96 09:24 %R = 100.4
CCV 7/8 QC 25/1	23.5	0.0	0.088	0.088 24Oct96 09:26 %R = 93.9
CCB 7/8 QC	0.3	0.0	0.001	0.001 24Oct96 09:28 ABS = 0.001 CONCENTRATION LESS THAN IDL
QC	0.3	0.0	0.001	0.001 24Oct96 09:30 CONCENTRATION LESS THAN IDL

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BLANK QC	0.0		-0.001	-0.001 24Oct96 10:15 CONCENTRATION LESS THAN IDL
CCV 1/09 QC	24.1	0.0	0.089	0.089 24Oct96 10:17 %R = 96.2
CCB 1/09 QC	-0.4	0.0	-0.002	-0.002 24Oct96 10:19 ABS = -0.002 CONCENTRATION LESS THAN IDL
10809-3 1:10 QC	1.4	0.0	0.005	0.005 24Oct96 10:21
QCSPIKE A QC	16.0	0.0 W	0.062	0.062 24Oct96 10:23 %R = 73.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3DP:10 QC	0.3	0.0	0.001	0.001 24Oct96 10:25 CONCENTRATION LESS THAN IDL

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	15.3	0.0 W	0.059	0.059 24Oct96 10:27 %R = 76.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-1 1:5 QC	-0.2	0.0	-0.001	-0.001 24Oct96 10:29 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	13.6	0.0 W	0.053	0.053 24Oct96 10:31 %R = 67.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-4 1:5 QC	-0.3	0.0	-0.001	-0.001 24Oct96 10:33 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	10.5	0.0 W	0.042	0.042 24Oct96 10:35 %R = 52.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 1:5 QC	-0.7	0.0	-0.003	-0.003 24Oct96 10:37 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	9.5	0.0 W	0.038	0.038 24Oct96 10:39 %R = 47.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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				24Oct96 10:41 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.4	W	0.0 0.060	0.060 24Oct96 10:43 %R = 77.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3DP1:5 QC	-1.8B		0.0 -0.007B	-0.007B 24Oct96 10:45 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.5	W	0.0 0.060	0.060 24Oct96 10:47 %R = 77.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3MS1:5 QC	4.6		0.0 0.018	0.018 24Oct96 10:49
QCSPIKE A QC	19.9B	W	0.0 0.075B	0.075B 24Oct96 10:51 %R = 76.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
10809-3MD1:5 QC	4.8B	0.0	0.019B	0.019B 24Oct96 10:53
QCSPIKE A QC	18.9B	W 0.0	0.072B	0.072B 24Oct96 10:55 %R = 70.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	-0.9	0.0	-0.003	-0.003 24Oct96 10:57 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.4	W 0.0	0.063	0.063 24Oct96 10:59 %R = 81.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV 1/10 QC	23.6	0.0	0.088	0.088 24Oct96 11:01 %R = 94.6
CCB 1/10 QC	0.0	0.0	0.000	0.000 24Oct96 11:03 ABS = -0.001 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		0.005	0.005 24Oct96 11:08 CONCENTRATION LESS THAN IDL
CCV 1/11 QC	24.6	0.0	0.091	0.091 24Oct96 11:10

CCB #2 11 GW 11/19/96 QC	0.4	0.0	0.002	0.002 24Oct96 11:12 ABS = 0.002 CONCENTRATION LESS THAN IDL
10809-3 1:10 10/30/96 QC	0.4	0.0	0.002	0.002 24Oct96 11:13 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.1	0.0 W	0.062	0.062 24Oct96 11:16 %R = 80.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3DP:10 QC	-1.2	0.0	-0.005	-0.005 24Oct96 11:18 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.6	0.0 W	0.064	0.064 24Oct96 11:20 %R = 82.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
10809-3MS:10 QC 40 ppb	3.3	0.0	0.013	0.013 24Oct96 11:22 91.8 36.0
QCSPIKE A QC	17.1	0.0 W	0.066	0.066 24Oct96 11:24 %R = 68.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3MD:10 QC 40 ppb	3.3	0.0	0.013	0.00 ppb 0.013 24Oct96 11:26 91.8 36.0
QCSPIKE A QC	18.7	0.0 W	0.071	0.071 24Oct96 11:28 %R = 77.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
BLANK QC	0.0		-0.002	-0.002 24Oct96 11:42 CONCENTRATION LESS THAN IDL
CCV #1 10 QC 25 ppb	25.5	0.0	0.094	0.094 24Oct96 11:44 %R = 101.9
CCB #3 12 QC	-0.1	0.0	-0.000	-0.000 24Oct96 11:46 ABS = -0.000 CONCENTRATION LESS THAN IDL
PB,NL:14903 QC 100 ng/L	0.2	0.0	0.001	0.001 24Oct96 11:48 CONCENTRATION LESS THAN IDL

(1242)

Varian SpectrAA 300/400 Zeeman QC Protocol Report

INCHCAPE TESTING SERVICES
NDI LABORATORY-DALLAS
FURNACE #4

OPERATOR	MARTY
DATE	10-31-96
BATCH	SE

ANALYST: RE DATE: 10/31/96
REVIEW: DATE: 10-31-96
DATA ENTRY: DATE:
ANALYTE: INST.#

QC PROTOCOL PARAMETERS

IF THERE IS AN ERROR	FLAG AND CONTINUE
QC SPIKE POSITION	50
RECOVERY LIMITS (%)	85 TO 115
RECOVERY MINIMUM LIMIT (%)	40
CORRELATION COEFFICIENT (r)	0.995
OVERRANGE VOLUME REDUCTION	5
REPLICATE RSD LIMIT (%)	20.0

Std. Lot #: AB208-77A Modifier Lot #: AB208-75A
ICV Lot #: AB208-77B CCV Lot #: AB208-77C
LCS & MS/MSD Lot #: 690619

PROGRAM 39 Se PLAT.3PT.Pd

INSTRUMENT MODE	ABSORBANCE
CALIBRATION MODE	CONCENTRATION
MEASUREMENT MODE	PEAK AREA
LAMP POSITION	5
LAMP CURRENT (mA)	10
SLIT WIDTH (nm)	0.5
SLIT HEIGHT	NORMAL
WAVELENGTH (nm)	196.0
SAMPLE INTRODUCTION	SAMPLER AUTOMIXING
TIME CONSTANT	0.05
MEASUREMENT TIME (sec)	1.0
REPLICATES	1
BACKGROUND CORRECTION	ON
MAXIMUM ABSORBANCE	1.20

FURNACE PARAMETERS

STEP NO.	TEMPERATURE (C)	TIME (sec)	GAS FLOW (L/min)	GAS TYPE	READ COMMAND
1	275	15.0	3.0	NORMAL	NO
2	275	15.0	3.0	NORMAL	NO
3	1300	10.0	3.0	NORMAL	NO
4	1300	10.0	3.0	NORMAL	NO
5	1300	2.0	0.3	NORMAL	NO
6	2800	0.8	0.0	NORMAL	YES
7	2800	3.5	0.0	NORMAL	YES
8	2900	5.0	3.0	NORMAL	NO

SAMPLER PARAMETERS

	VOLUMES (µL) SOLUTION	BLANK	MODIFIER
BLANK	--	20	5
STANDARD 1	2	18	5
STANDARD 2	10	10	5
STANDARD 3	20	0	5
SAMPLE	20	0	5

RECALIBRATION RATE 0
RESLOPE RATE 0

MULTIPLE INJECT NO HOT INJECT YES PRE INJECT NO
TEMPERATURE 90
INJECT RATE 10

QC PROTOCOL PARAMETERS

QC STANDARD RATE	20
QC INITIAL STANDARD POSITION	48
QC INITIAL BLANK POSITION	51
QC CONTINUING STANDARD POSITION	49
QC CONTINUING BLANK POSITION	51
QC STANDARD VOLUME (µL)	20
QC STANDARD CONCENTRATION	25.0 PPB
QC STANDARD LIMITS (%)	80 TO 120
QC SPIKE RATE	1
QC SPIKE VOLUME (µL)	4
QC SPIKE CONCENTRATION	100.0 PPB
MATRIX SPIKE CONCENTRATION	0.0 PPB
INSTRUMENT DETECTION LIMIT	1.5 PPB
REQUIRED DETECTION LIMIT	5.0 PPB

CONDITIONS FOR Se :
Alternative Wavelengths (nm) : 204.0
Spectral Bandwidths (nm) : 0.5
Maximum Ash Temperature : 1200°C
Recommended Atomize Temperature : 2600°C
Recommended Chemical Modifiers :
Palladium Chloride (10µL of 500µg/mL), or
Nickel Nitrate (20µL of 50µg/mL).
Response with Argon : 10µL of 70ng/mL gives about 0.2 Abs.
(using Pd modifier)
Modifiers improve sensitivity and permit a higher ash temperature. Without modifier the maximum ash temperature is 300°C, and atomize temperature is 2400°C.
Use of a multi-element lamp may require a different slit width, lamp current and wavelength to isolate the analytical line.

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STANDARD 1	5.0	0.0	0.007	0.007
QC				310ct96 16:55
BLANK	0.0		-0.004	-0.004
QC				310ct96 16:58
				CONCENTRATION LESS THAN IDL
STANDARD 1	5.0	0.0	0.022	0.022
QC				310ct96 17:01
STANDARD 2	25.0	0.0	0.115	0.115
QC				310ct96 17:03

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
STANDARD 3	50.0	0.0	0.230	0.230
QC				310ct96 17:05

ANALYST		DATE	10-31-96
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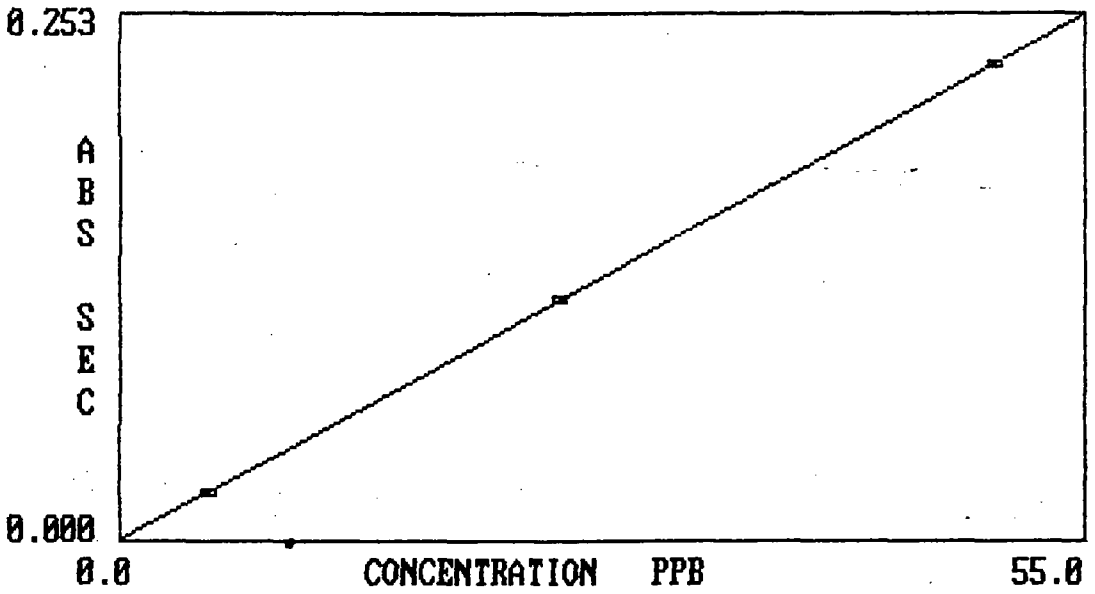
ANALYTE		INST.#	

Corr=0.999



ICV	19.1	0.0	0.087	0.087
QC 20%		Q		310ct96 17:08
				%R = ~~76.3~~ 95.5 % 10-31-96
ICB	-0.4	0.0	-0.002	-0.002

QC				310ct96 17:10 ABS = -0.004 CONCENTRATION LESS THAN IDL
5PPB STD QC	4.4	0.0	0.019	0.019 310ct96 17:13
QCSPIKE A QC	22.3	0.0	0.102	0.102 310ct96 17:15 %R = 89.7
CCV 1 QC 25ppb	23.3	0.0	0.107	0.107 310ct96 17:17 %R = 93.3
CCB 1 QC	0.4	0.0	0.002	0.002 310ct96 17:20 ABS = -0.001 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
PB,DS QC	~~0.4~~ Z	0.0	0.002	0.002 310ct96 17:22 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.9 W	0.0	0.077	0.077 310ct96 17:24 %R = 84.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC 25ppb	24.2	0.0	0.111	0.111 310ct96 17:27 96.8%rec 24.2 ug/L
QCSPIKE A QC	41.8	0.0	0.192	0.192 310ct96 17:29 %R = 88.0
RWMS QC 25ppb	26.9	0.0	0.124	0.124 310ct96 17:31 108%rec 26.9 ug/L
QCSPIKE A QC	41.5	0.0	0.190	0.190 310ct96 17:34 %R = 72.6 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC 25ppb	25.6	0.0	0.117	5.71%RSD 0.117 310ct96 17:36 102%rec 25.6 ug/L
QCSPIKE A QC	41.6	0.0	0.191	0.191 310ct96 17:38 %R = 79.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
12094-1 QC	2.2	0.0	0.010	0.010 310ct96 17:41 2.2 ug/L
QCSPIKE A QC	19.3	0.0	0.088	0.088 310ct96 17:43 %R = 85.6 NC/FAIL

12094-1DP QC	2.8	0.0	0.012	0.012 310ct96 17:45
QCSPIKE A QC	17.7	0.0 W	0.081	0.081 310ct96 17:48 %R = 74.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
PB[redacted]:15107 QC	4.7	0.0	0.021	0.021 310ct96 17:50
QCSPIKE A QC	21.3	0.0 W	0.097	0.097 310ct96 17:52 %R = 83.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC	19.8	0.0	0.090	0.090 310ct96 17:55

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	36.2	0.0	0.166	0.166 310ct96 17:57 %R = 82.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
11402-1 1:2 QC	9.8	0.0	0.044	0.044 310ct96 17:59
QCSPIKE A QC	24.6	0.0	0.113	0.113 310ct96 18:02 %R = 73.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
11402-1DP1:2 QC	6.4	0.0	0.029	0.029 310ct96 18:04
QCSPIKE A QC	23.5	0.0	0.108	0.108 310ct96 18:06 %R = 85.5
CCV 2 QC	18.4	0.0 Q	0.084	0.084 310ct96 18:09 %R = 73.6
CCB 2 QC	0.2	0.0	0.001	0.001 310ct96 18:11 ABS = -0.002 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		-0.009	-0.009 310ct96 18:15 CONCENTRATION LESS THAN IDL
C[redacted]2 QC	20.4	0.0	0.093	0.093 310ct96 18:17 %R = 81.5
CCB 2 QC	-0.7	0.0	-0.003	-0.003 310ct96 18:20

ANALYST 10-31-96 DATE
REVIEW 10/31/96 DATE
DATA ENTRY 10-31-96 DATE
ANALYTE INIT.#

				ABS = -0.008 CONCENTRATION LESS THAN IDL
PB,DS (10/31/96 AA) QC	-2.1	0.0	-0.009	-0.009 310ct96 18:22 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.9	0.0 W	0.072	0.072 310ct96 18:24 %R = 79.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC 25 ug/L	24.3	0.0	0.112	0.112 310ct96 18:27 97.2 %rec 24.3 ug/L
QCSPIKE A QC	39.2	0.0	0.180	0.180 310ct96 18:29 %R = 74.2 %R FAILED, REPEAT BY STANDARD ADDITIONS

ANALYST 10-31-96 DATE
REVIEW 10/31/96 DATE
DATA ENTRY 10-31-96 DATE
ANALYTE INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
RWMS QC 25 ug/L	24.4	0.0	0.112	0.112 310ct96 18:31 97.6 %rec 24.4 ug/L
QCSPIKE A QC	39.8	0.0	0.183	0.183 310ct96 18:34 %R = 76.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC 25 ug/L	26.6	0.0	0.122	8.25 ug/mg 0.122 310ct96 18:36 106 %rec 26.6 ug/L
QCSPIKE A QC	39.1	0.0	0.179	0.179 310ct96 18:39 %R = 62.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
12094-1 QC	5.8	0.0	0.026	0.026 310ct96 18:41 5.8 ug/L
QCSPIKE A QC	19.6	0.0 W	0.089	0.089 310ct96 18:43 %R = 68.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION
12094-1DP QC	3.9	0.0	0.017	0.017 310ct96 18:46 NC %rec 3.9 ug/L
QCSPIKE A QC	16.6	0.0 W	0.075	0.075 310ct96 18:48 %R = 63.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
BLANK QC	0.0		0.022	0.022 310ct96 18:51 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		-0.007	-0.007 310ct96 18:54 CONCENTRATION LESS THAN IDL

COLD VAPOR

```
; Protocol: A                                                                  ;
;                    Rev: 3.001   Time: 22:15:54  29 Sep 1996                 ;
; Folder: 09299aA    Seq: 9a                      Print: On                   ;
; User: MARTY        Batch:          Id: CCB      Cup: 1 ID Gas:        LPM ;
; State: Idle                                     Xmit: Off Autosampler: On  ;
; AUTOSAMPLER:  Rack entry   Rack 09309aA                                      ;
;cup Id        Extended id          Weight Volume Macro check Help            ;
; 1 ICV 2.5PPB                      1.0000 1.0000                            ;
; 2 ICB                             1.0000 1.0000                            ;
; 3 0.2PPB STD                      1.0000 1.0000                            ;
; 4 PB.         NL.2945.1,          100.00 100.00                            ;
; 5 LCS.        NL,2945.1.1PPB      100.00 100.00                            ;
; 6 10692-1.    NL.2945.1,          100.00 100.00                            ;
; 7 10692-1D.   NL,2945.1.          100.00 100.00                            ;
; 8 10692-1MS.  NL.2945.1,1PPB      100.00 100.00                            ;
; 9 10692-1MD.  NL.2945.1.1PPB      100.00 100.00                            ;
;10 10716-1.    NL.2945.1,          100.00 100.00                            ;
;11 10718-1.    NL.2945.1.          100.00 100.00                            ;
;12 CCV 3.0PPB                     1.0000 1.0000                            ;
;13 CCB                            1.0000 1.0000                            ;
;14 10718-2.    NL.2945.1,          100.00 100.00                            ;
;15 PB.         TL.2944.1.          100.00 100.00                            ;
;                                                                      PgDn:  ;
; Cup 1  ID: ICV 2.5PPB                          Row entry, Ins to switch      ;
;                                                                              ;
```

HG-145

NE 9/29/96

ANALYST DATE 9/30/96

REVIEW NE DATE 9/30/96

DATA ENTRY Hg DATE 7

ANALYST INST.#

508

```
; Protocol: A                                                              ;
;                    Rev: 3.001   Time: 22:15:55  29 Sep 1996             ;
; Folder: 092996A    Seq: 96                    Print: On                 ;
; User: MARTY        Batch:          Id: CCB    Cup: 1 13 Gas:       LPM ;
; State: Idle                                   Xmit: Off Autosampler: On ;
; AUTOSAMPLER:  Rack entry   Rack 093096A                            PgUp;
;cup Id         Extended id          Weight Volume Macro checK Help       ;
;16 LCS.        TL,2944,1,1PPB       100.00 100.00                        ;
;17 10851-2,    TL,2944,1,           100.00 100.00                        ;
;18 10851-2D,   TL,2944,1,           100.00 100.00                        ;
;19 10851-2MS,  TL,2944,1,1PPB       100.00 100.00                        ;
;20 10851-2MD,  TL,2944,1,1PPB       100.00 100.00                        ;
;21 10851-1,    TL,2944,1,           100.00 100.00                        ;
;22 10851-3,    TL,2944,1,           100.00 100.00                        ;
;23 CCV 3.0PPB                       1.0000 1.0000                        ;
;24 CCB                              1.0000 1.0000                        ;
;25 10851-4,    TL,2944,1,           100.00 100.00                        ;
;26 10851-5,    TL,2944,1,           100.00 100.00                        ;
;27 10851-6,    TL,2944,1,           100.00 100.00                        ;
;28 10777-4,    TL,2944,1,           100.00 100.00                        ;
;29 10809-1,    TL,2944,1,           100.00 100.00                        ;
;30 10809-3,    TL,2944,1,           100.00 100.00                        ;
;                                                                    PgDn;
; Cup 16 ID: LCS,                                  Row entry, Ins to switch ;
;                                                                          ;
```

MG	9/29/96	
ANALYST	DATE	
REVIEW	9/30/96	
DATA ENTRY	DATE	
AS	7	
ANALYTE	INST.#	

```
Protocol: A
                    Rev: 2.001   Time: 22:15:56  29 Sep 1996
Folder: 0929964     Seq: 96                    Print: On
User: MARTY         Batch:          Id: CCB        Cup: 1 13 Gas:          LPM
State: Idle                                        Xmit: Off Autosampler: On
AUTOSAMPLER:  Rack entry   Rack 0930964                                      PgUp:
cup Id        Extended id        Weight Volume Macro check Help
31 10809-4,   TL,2944,1,         100.00 100.00
32 10809-5,   TL,2944,1,         100.00 100.00
33 10779-2,   TL,2977,1,         100.00 100.00
34 CCV 3.0PPB                    1.0000 1.0000
35 CCB                           1.0000 1.0000
36 10779-3,   TL,2944,1,         100.00 100.00
37 10779-4,   TL,2944,1,         100.00 100.00
38 10779-6,   TL,2944,1,         100.00 100.00
39 10813-1,   TL,2944,1,         100.00 100.00
40 10813-2,   TL,2944,1,         100.00 100.00
41 10813-3,   TL,2944,1,         100.00 100.00
42 10759-2,   TL,2944,1,         100.00 100.00
43                               1.0000 100.00
44                               1.0000 100.00
                                                                            PgDn:
Cup 31 ID: 10809-4,                                  Row entry, Ins to switch
```

NG	9/29/96
ANALYST	DATE
[illegible]	9-30-96
REVIEW	DATE
NG	9/30/96
DATA ENTRY	DATE
[illegible]	7
ANALYTE	INST.#

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 23:00:25 29 Sep 1996 HG

Hg .000 ug/L 131
Ave. Int. = 131 S. D. = 0

*** Standard: 1 Rep: 2 Seq: 1 23:02:46 29 Sep 1996 HG

Hg .000 ug/L 71
Ave. Int. = 71 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 2 23:05:07 29 Sep 1996 HG

Hg .200 ug/L 2623
Ave. Int. = 2623 S. D. = 0

*** Standard: 2 Rep: 2 Seq: 3 23:07:28 29 Sep 1996 HG

Hg .200 ug/L 2643
Ave. Int. = 2643 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 4 23:09:49 29 Sep 1996 HG

Hg .500 ug/L 6328
Ave. Int. = 6328 S. D. = 0

*** Standard: 3 Rep: 2 Seq: 5 23:12:10 29 Sep 1996 HG

Hg .500 ug/L 6222
Ave. Int. = 6222 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 6 23:14:31 29 Sep 1996 HG

Hg 1.00 ug/L 12522
Ave. Int. = 12522 S. D. = 0

*** Standard: 4 Rep: 2 Seq: 7 23:16:52 29 Sep 1996 HG

Hg 1.00 ug/L 12662
Ave. Int. = 12662 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 8 23:19:13 29 Sep 1996 HG

Hg 3.00 ug/L 38157
Ave. Int. = 38157 S. D. = 0

ANALYST		DATE 9/29/96
REVIEW		DATE 9/30/96
DATA ENTRY		DATE
ANALYTE	INST.#	

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 5 Rep: 2 Seq: 9 23:21:34 29 Sep 1996 HG

Hg 3.00 ug/L 38121
Ave. Int. = 38121 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 10 23:23:55 29 Sep 1996 HG

Hg 5.00 ug/L 64560
Ave. Int. = 64560 S. D. = 0

*** Standard: 6 Rep: 2 Seq: 11 23:26:17 29 Sep 1996 HG

Hg 5.00 ug/L 64221
Ave. Int. = 64221 S. D. = 0

NE	9/29/96
ANALYST	DATE
[illegible]	9/30/96
REVIEW	DATE
[illegible]	9/30/96
DATA ENTRY	DATE
Hg	7
ANALYTE	INST.#

Protocol: A

Rev: 3.001 Time: 23:27:39 29 Sep 1996

Folder: 092996B Seq: 12 Print: On

User: MARTY Batch: Id: Std6Rep2 Cup: 1 13 Gas: 0.30 LPM

State: Idle Xmit: Off Autosampler: On

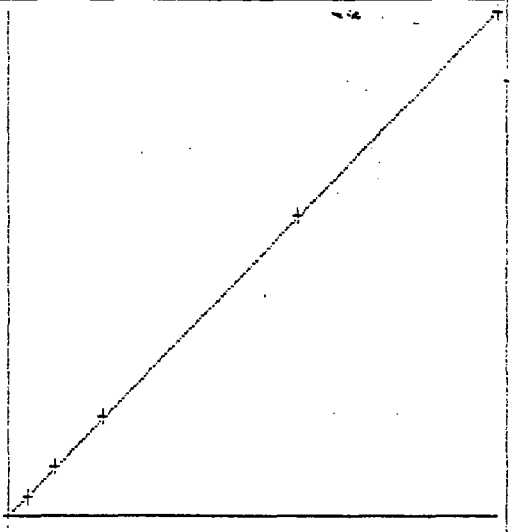
CALIBRATION: Line Calibration

Line: Hg

	Conc.	Calc.	Dev.	Accepted
S1	.000	.015	.015	LiNear
S2	.200	.212	.012	Quadratic
S3	.500	.495	-.005	WtdLinear
S4	1.00	.987	-.013	Accept
S5	3.00	2.97	-.025	
S6	5.00	5.02	.018	StdAdd

A .0000000 r .999962

B 7.78210e-5 C 6.67412e-3



	Mean	%RSD		Relative Absorbance
S1	101	42.01	131	71
S2	2633	0.54	2623	2643
S3	6275	1.19	6328	6222
S4	12592	0.79	12522	12662
S5	38139	0.07	38157	38121
S6	64390	0.37	64560	64221

New calibration coefficients stored

Std. Lot #: AB300-45A Modifier Lot #: NA

ICV Lot #: AB300-45B CCV Lot #: AB300-45A

LCS & MS/MSD Lot #: AB300-45A

ANALYST		9/29/96 DATE
REVIEW		9/30/96 DATE
DATA ENTRY		DATE
ANALYTE	INST.#	

Line	Cond.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: ICV 2.5PPB Seq: 12 23:30:11 29 Sep 1996 HG

Hg 2.49 ug/L 31926 %R=99.6

*** Sample ID: ICB Seq: 13 23:32:25 29 Sep 1996 HG

Hg -.011 ug/L -223

*** Sample ID: 0.2PPB STD Seq: 14 23:34:39 29 Sep 1996 HG

Hg .212 ug/L 2634 %R=100

*** Sample ID: PB, Seq: 15 23:36:53 29 Sep 1996 HG
NL,2945,1, Dil. Weight 100.00 Volume 100.00
Hg .024 ug/L 228

*** Sample ID: LCS, Seq: 16 23:39:07 29 Sep 1996 HG
NL,2945,1,1PPB Dil. Weight 100.00 Volume 100.00
Hg .940 ug/L 11989 %R=94.0

*** Sample ID: 10692-1, Seq: 17 23:41:21 29 Sep 1996 HG
NL,2945,1, Dil. Weight 100.00 Volume 100.00
Hg .034 ug/L 351 %RPD=NC

*** Sample ID: 10692-1D. Seq: 18 23:43:35 29 Sep 1996 HG
NL,2945,1, Dil. Weight 100.00 Volume 100.00
Hg .033 ug/L 337

*** Sample ID: 10692-1MS, Seq: 19 23:45:49 29 Sep 1996 HG
NL,2945,1,1PPB Dil. Weight 100.00 Volume 100.00
Hg .935 ug/L 11924 %R=93.5 %RPD=5.49

*** Sample ID: 10692-1MD. Seq: 20 23:48:03 29 Sep 1996 HG
NL,2945,1,1PPB Dil. Weight 100.00 Volume 100.00
Hg .885 ug/L 11290 %R=88.5

*** Sample ID: 10716-1, Seq: 21 23:50:17 29 Sep 1996 HG
NL,2945,1, Dil. Weight 100.00 Volume 100.00
Hg .265 ug/L 3315

*** Sample ID: 10718-1, Seq: 22 23:52:32 29 Sep 1996 HG
NL,2945,1, Dil. Weight 100.00 Volume 100.00
Hg .047 ug/L • 513

*** Sample ID: CCV 3.0PPB Seq: 23 23:54:48 29 Sep 1996 HG

Hg 2.92 ug/L 37466 %R=97.3

NG	9/29/96
ANALYST	DATE
[illegible]	9/30/96
REVIEW	DATE
NG	9/30/96
DATA ENTRY	DATE
Hg	7
ANALYTE	INST.#

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB					Seq: 24	23:57:04 29 Sep 1996 HG		
Hg	-.003	ug/L	-121					
*** Sample ID: 10718-2,					Seq: 25	23:59:20 29 Sep 1996 HG		
				NL,2945,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.029	ug/L	284					
*** Sample ID: PB,					Seq: 26	00:01:36 30 Sep 1996 HG		
				TL,2944,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.016	ug/L	119					
*** Sample ID: LCS,					Seq: 27	00:03:53 30 Sep 1996 HG		
				TL,2944,1,1PPB		Dil. Weight 100.00 Volume 100.00		
Hg	.982	ug/L	12539					
*** Sample ID: 10851-2,					Seq: 28	00:06:09 30 Sep 1996 HG		
				TL,2944,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.032	ug/L	321					
*** Sample ID: 10851-2D,					Seq: 29	00:08:25 30 Sep 1996 HG		
				TL,2944,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.039	ug/L	416					
*** Sample ID: 10851-2MS,					Seq: 30	00:10:42 30 Sep 1996 HG		
				TL,2944,1,1PPB		Dil. Weight 100.00 Volume 100.00		
Hg	1.03	ug/L	13133					
*** Sample ID: 10851-2MD,					Seq: 31	00:12:58 30 Sep 1996 HG		
				TL,2944,1,1PPB		Dil. Weight 100.00 Volume 100.00		
Hg	1.04	ug/L	13251					
*** Sample ID: 10851-1,					Seq: 32	00:15:15 30 Sep 1996 HG		
				TL,2944,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.030	ug/L	300					
*** Sample ID: 10851-3,					Seq: 33	00:17:32 30 Sep 1996 HG		
				TL,2944,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.034	ug/L	356					
*** Sample ID: CCV 3.0PPB					Seq: 34	00:19:49 30 Sep 1996 HG		
Hg	2.93	ug/L	37628					
*** Sample ID: CCB					Seq: 35	00:22:06 30 Sep 1996 HG		
Hg	.013	ug/L	83					

%R = 96.2

%RPD = NC

%R = 103

%RPD = 0.966

%R = 104

%R = 97.7

ANALYST	DATE 9/30/96
REVIEW	DATE 9/30/96
DATA ENTRY	DATE
ANALYTE	INST.#

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 10851-4, Seq: 36 00:24:23 30 Sep 1996 HG
TL,2944,1, Dil. Weight 100.00 Volume 100.00
Hg .041 ug/L 442

*** Sample ID: 10851-5, Seq: 37 00:26:41 30 Sep 1996 HG
TL,2944,1, Dil. Weight 100.00 Volume 100.00
Hg .541 ug/L 6863

*** Sample ID: 10851-6, Seq: 38 00:28:59 30 Sep 1996 HG
TL,2944,1, Dil. Weight 100.00 Volume 100.00
Hg .339 ug/L 4274

*** Sample ID: 10777-4, Seq: 39 00:31:17 30 Sep 1996 HG
TL,2944,1, Dil. Weight 100.00 Volume 100.00
Hg .244 ug/L 3050

*** Sample ID: 10809-1, Seq: 40 00:33:35 30 Sep 1996 HG
TL,2944,1, Dil. Weight 100.00 Volume 100.00
Hg .200 ug/L 2478

*** Sample ID: 10809-3, Seq: 41 00:35:53 30 Sep 1996 HG
TL,2944,1, Dil. Weight 100.00 Volume 100.00
Hg .045 ug/L 493

*** Sample ID: 10809-4, Seq: 42 00:38:11 30 Sep 1996 HG
TL,2944,1, Dil. Weight 100.00 Volume 100.00
Hg .291 ug/L 3525

*** Sample ID: 10809-5, Seq: 43 00:40:29 30 Sep 1996 HG
TL,2944,1, Dil. Weight 100.00 Volume 100.00
Hg .144 ug/L 1761

*** Sample ID: 10779-2, Seq: 44 00:42:47 30 Sep 1996 HG
TL,2977,1, Dil. Weight 100.00 Volume 100.00
Hg .097 ug/L 1158

*** Sample ID: CCV 3.0PPB Seq: 45 00:45:06 30 Sep 1996 HG
Hg 2.92 ug/L 37419 % R = 97.3

*** Sample ID: CCB Seq: 46 00:47:25 30 Sep 1996 HG
Hg .010 ug/L 47

*** Sample ID: 10779-3, Seq: 47 00:49:44 30 Sep 1996 HG
TL,2944,1, Dil. Weight 100.00 Volume 100.00
Hg .032 ug/L 326

9/30/96
ANALYST DATE
9/30/96
REVIEW DATE
9/30/96
DATA ENTRY DATE
ANALYTE INST. #

PREPARATION AND ANALYSIS LOGS

Metals Preparation Sample Tracking

Date: 9/28/96 Time: 6.00 Tech: A-O

Sample Number	Concentration
Blank	100/100 ml
LCS-ICP	
~~LCS AA~~	
10814-2 MS-ICP	
2 MD-ICP	
~~MS AA~~	
~~MD AA~~	
2 DUP	
2	
1	
3	
4	
5	
6	
7	
8	
10809-1	
3	
4	
5	

Preparation Information

Preparation Method: 3010

Matrix: Liquid

Spiking Information

Amount-µL	Spike Number
1000 µl	690913
1000 µl	690913
1000 µl	690325
1000 µl	046-756

A.O 9/28/96

BATCH 14739 (ICP)

BATCH 14739F (AA)

Sample Notes:

A.O 9/28/96

Metals Preparation Sample Tracking

Date: 9/29/96 Time: 2.00 Tech: A.O

Sample Number	Concentration
Blank	100 / 100 ml
~~LCS-ICP~~	
LCS-AA	
~~MS-ICP~~	
~~MD-ICP~~	
10809-3 MS-AA	
3 MD-AA	
3 DUP	
3	
1	50
4	
5	
A.O	
	9/29/96

Preparation Information

Preparation Method: 3020 F

Matrix: Liquid

Spiking Information

Amount-µL	Spike Number
1000 ml	690619
A.O	9/29/96

BATCH 14746 (ICP)

BATCH 14746F (AA)

Sample Notes:

Metals Preparation Sample Tracking

Date: 9/28/96 Time: 3:00 Tech: A.O

Sample Number	Concentration
Blank	45/50 ml
LCS-ICP	
LCS-AA	
10759-2 MS-ICP	
2 MD-ICP	
2 MS-AA	
2 MD-AA	
2 DUP	
2	
10813-1	
2	
3	
10809-1	
3	
4	
5	
10779-2	
3	
4	
6	
10811-1	
2	
3	
4	
5	
10823-1	

Preparation Information

Preparation Method

3015

Matrix

Liquid

Spiking Information

Amount-µL	Spike Number
450 ml	690619
450 ml	690913
450 ml	690913
450 ml	690325
450 ml	046-756
	A.O 9/28/96

BATCH 14742 (ICP)

BATCH 14742F (AA)

Sample Notes:

Mercury Prep

Date: 9/29/96 Time: 2.00 Tech: A.D

Sample Number	Sample Volume
Blank	100 / 100 ml
LCS	
10851-2 MS	
2 MSD	
2 DUP	
2	
1	
3	
4	
5	
6	
10777-4	
10809-1	
3	
4	
5	
10779-2	
3	
4	
6	
10813-1	
2	
3	
10759-2	

Bath Temp. 92 °C

MS/MSD/LCS Spike #:

AB300-45A (0.1 ppm)

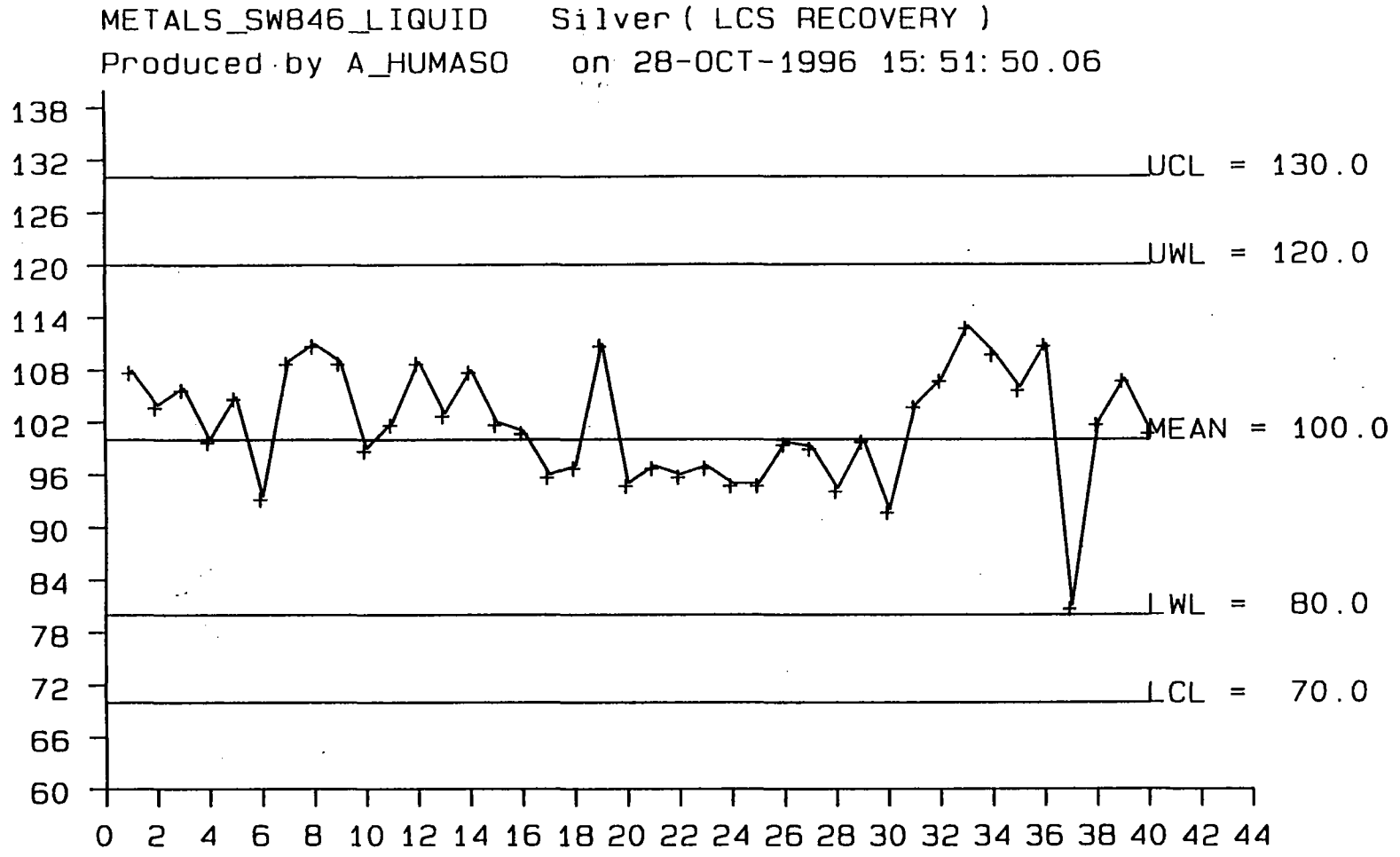
LCS/MS/MSD amount: 1000 ul

Matrix: liquid (7470)

Batch HG-2944

For reporting purposes, final volume is recorded as 100 mL. Due to the addition of reagents, actual final volume is 136.5 mL. All samples ans standards are prepared to the same final volume thus maintaining a 1:1 prep ratio for liquids and a 1:500 prep ratio for solid samples.

CONTROL CHARTS


METALS_SW846_LIQUID Silver (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15:51:50.06
138
132
126
120
114
108
102
96
90
84
78
72
66
60
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 130.0
UWL = 120.0
MEAN = 100.0
LWL = 80.0
LCL = 70.0

Data Points for: METALS_SW846_LIQUID Silver
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:51

Current Control Limits
(70.0 - 130.0)

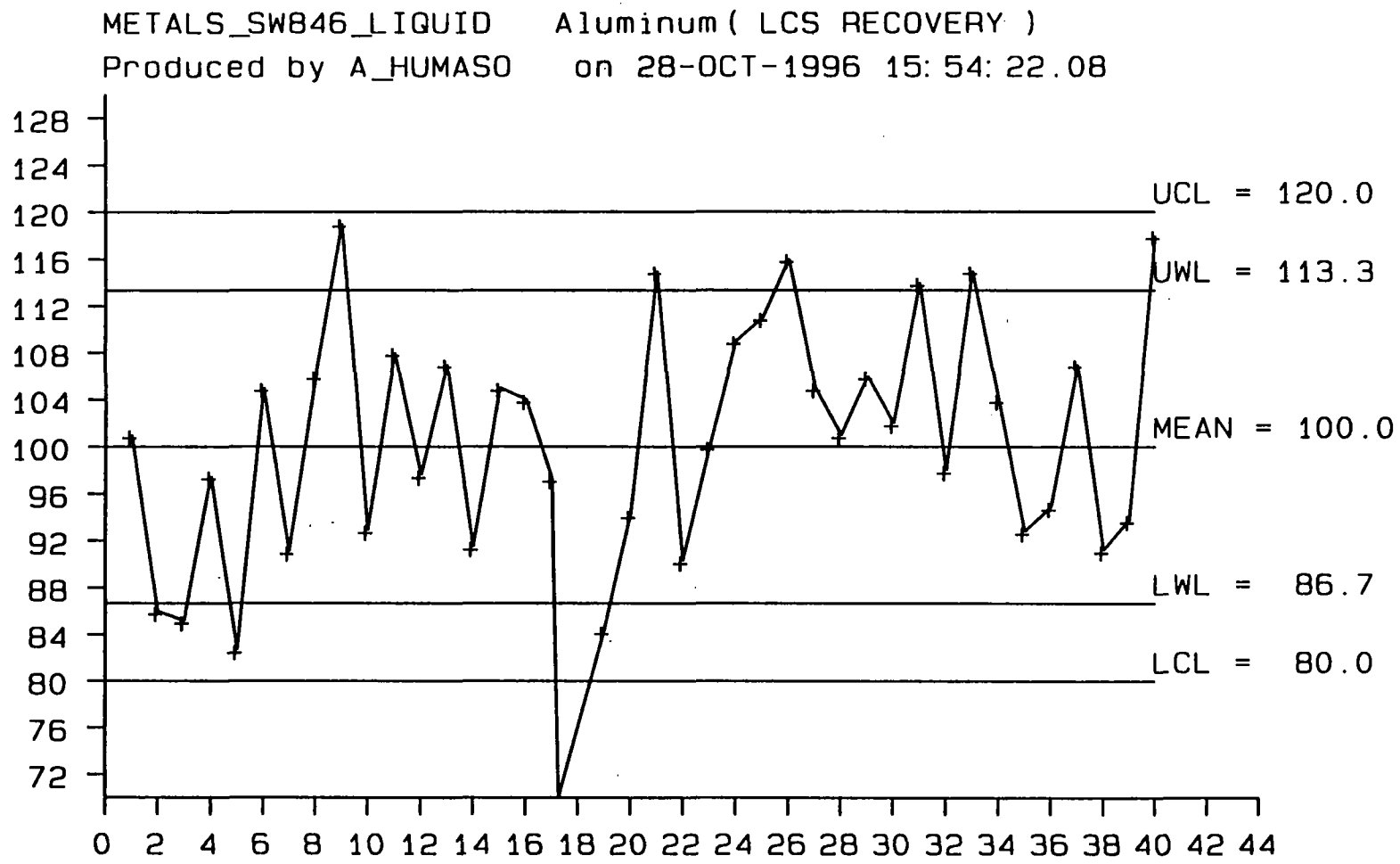
Point	Batch Number	Date Analyzed	Value (%)
1	14699	24-SEP-1996 0	108
2	14712	26-SEP-1996 0	104
3	14704	26-SEP-1996 0	106
4	14714	26-SEP-1996 0	100
5	14713	26-SEP-1996 0	105
6	14562	27-SEP-1996 0	93.5
7	14711	27-SEP-1996 0	109
8	14731	27-SEP-1996 0	111
9	14800	27-SEP-1996 0	109
10	14685	29-SEP-1996 0	99.0
11	14722	30-SEP-1996 0	102
12	14743	1-OCT-1996 0	109
13	14742	1-OCT-1996 0	103
14	14758	4-OCT-1996 0	108
15	14771	5-OCT-1996 0	102
16	14779	8-OCT-1996 0	101
17	1008601001	9-OCT-1996 0	96.0
18	14893	10-OCT-1996 0	97.0
19	14753	10-OCT-1996 0	111
20	14910	11-OCT-1996 0	95.0
21	14900	11-OCT-1996 0	97.0
22	14899	11-OCT-1996 0	96.0
23	14803P	13-OCT-1996 0	97.0
24	14918	14-OCT-1996 0	95.0
25	14915	15-OCT-1996 0	95.0
26	14909	16-OCT-1996 0	99.7
27	14880P	17-OCT-1996 0	99.2
28	14927	17-OCT-1996 0	94.4
29	14882	17-OCT-1996 0	100
30	14934	17-OCT-1996 0	92.0
31	14912	18-OCT-1996 0	104
32	14947	18-OCT-1996 0	107
33	14946	18-OCT-1996 0	113
34	14897	18-OCT-1996 0	110
35	14938	19-OCT-1996 0	106
36	14916	21-OCT-1996 0	111
37	14951	21-OCT-1996 0	81.0
38	14961	22-OCT-1996 0	102
39	14957	22-OCT-1996 0	107
40	14774	23-OCT-1996 0	101

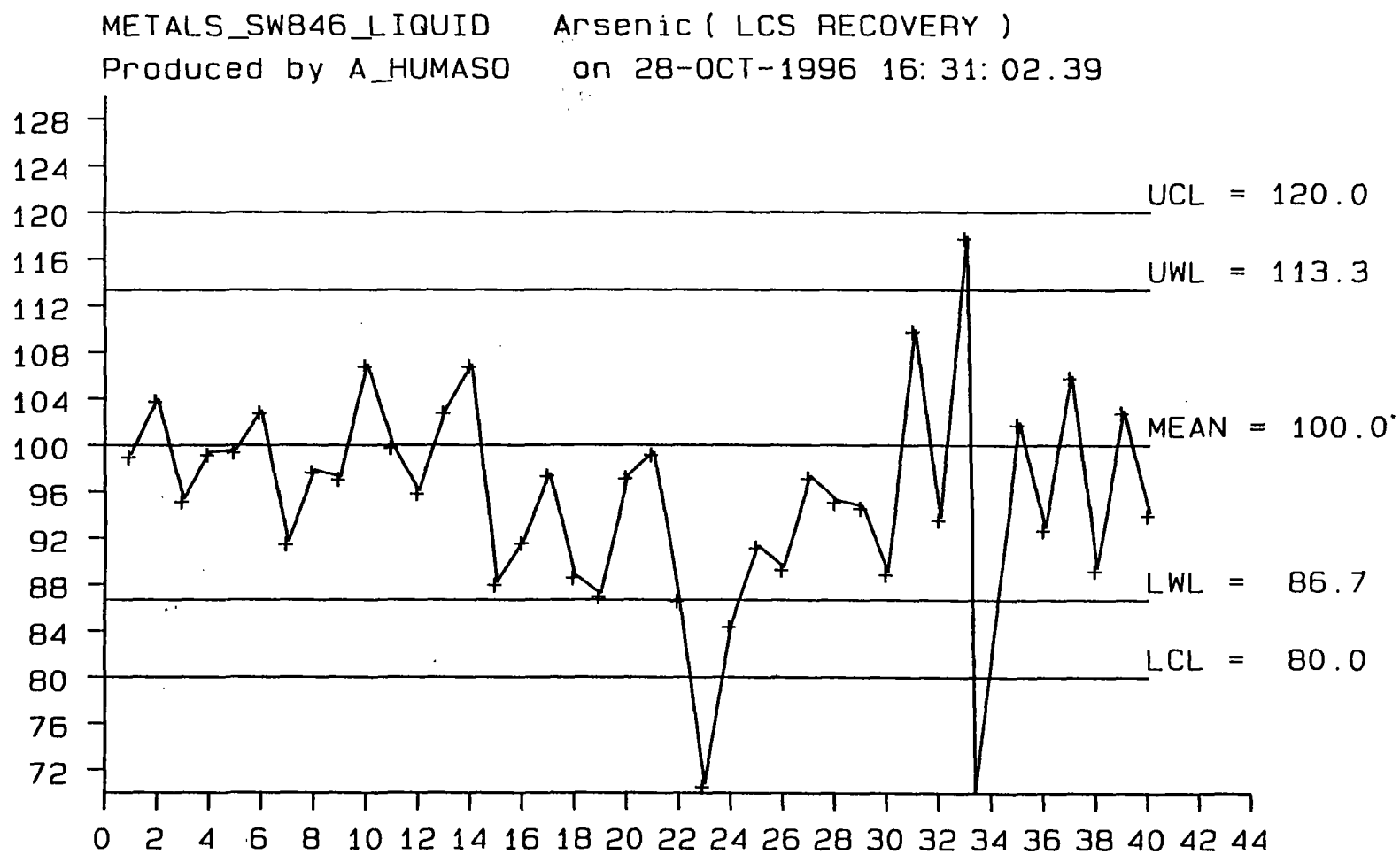
Inchcape Testing Services
Environmental Laboratories

Data Points for: METALS_SW846_LIQUID Aluminum
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:54

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14226	7-AUG-1996 0	101
2	14222	7-AUG-1996 0	86.0
3	14238	7-AUG-1996 0	85.2
4	14227	7-AUG-1996 0	97.5
5	14253	9-AUG-1996 0	82.7
6	14274	12-AUG-1996 0	105
7	14267	13-AUG-1996 0	91.1
8	14389	19-AUG-1996 0	106
9	14398	21-AUG-1996 0	119
10	14402	23-AUG-1996 0	92.9
11	14430	25-AUG-1996 0	108
12	14458	25-AUG-1996 0	97.6
13	14383	27-AUG-1996 0	107
14	14469	27-AUG-1996 0	91.5
15	14473	28-AUG-1996 0	105
16	14440	30-AUG-1996 0	104
17	14489	30-AUG-1996 0	97.3
18	14500	3-SEP-1996 0	0.0
19	14499	4-SEP-1996 0	84.3
20	14503	5-SEP-1996 0	94.2
21	14535	9-SEP-1996 0	115
22	14518	9-SEP-1996 0	90.3
23	14577	19-SEP-1996 0	100
24	14699	25-SEP-1996 0	109
25	14712	26-SEP-1996 0	111
26	14704	26-SEP-1996 0	116
27	14685	26-SEP-1996 0	105
28	14713	26-SEP-1996 0	101
29	14535P	26-SEP-1996 0	106
30	14722	27-SEP-1996 0	102
31	14745	1-OCT-1996 0	114
32	14771	5-OCT-1996 0	98.0
33	14753	8-OCT-1996 0	115
34	14893	10-OCT-1996 0	104
35	14910	16-OCT-1996 0	92.8
36	14880P	17-OCT-1996 0	94.9
37	14912	18-OCT-1996 0	107
38	14778	23-OCT-1996 0	91.2
39	14774	23-OCT-1996 0	93.8
40	14946	26-OCT-1996 0	118

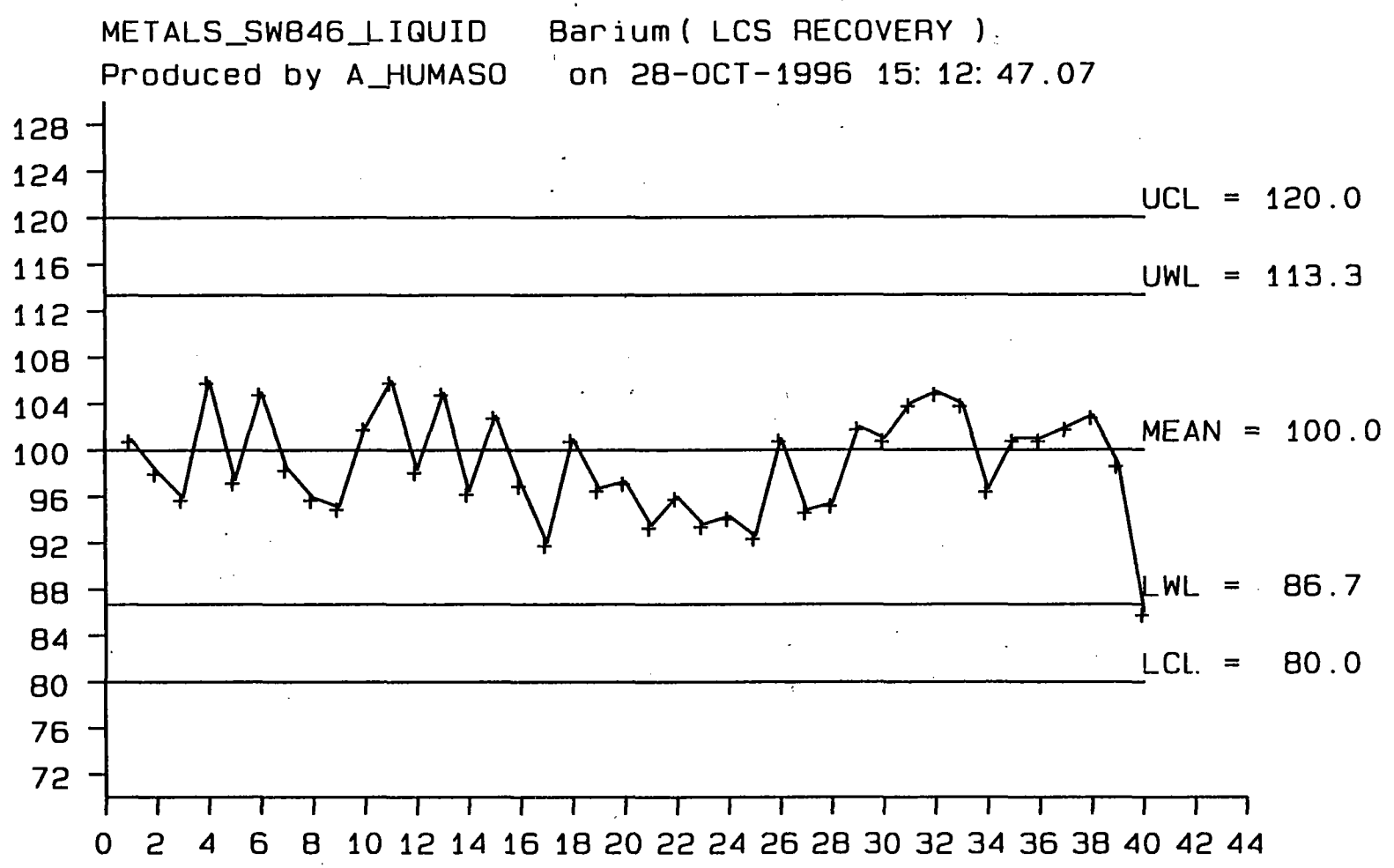

METALS_SW846_LIQUID Aluminum (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15:54:22.08
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44


METALS_SW846_LIQUID Arsenic (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 16:31:02.39
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_SW846_LIQUID Arsenic
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 16:31

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	12600	3-JAN-1996 0	99.2
2	12633	13-JAN-1996 0	104
3	12575	6-FEB-1996 0	95.4
4	12576	6-FEB-1996 0	99.4
5	12739	7-FEB-1996 0	99.6
6	12775	13-FEB-1996 0	103
7	12931	26-FEB-1996 0	91.7
8	12986P	6-MAR-1996 0	97.9
9	12986	12-MAR-1996 0	97.3
10	13064P	22-MAR-1996 0	107
11	13081	26-MAR-1996 0	100
12	13195	1-APR-1996 0	96.1
13	13139	9-APR-1996 0	103
14	13322	29-APR-1996 0	107
15	13367	12-MAY-1996 0	88.2
16	13596	14-MAY-1996 0	91.8
17	13836	11-JUN-1996 0	97.6
18	13806	11-JUN-1996 0	88.8
19	13893	20-JUN-1996 0	87.2
20	13900	24-JUN-1996 0	97.4
21	14130	17-JUL-1996 0	99.4
22	14172	24-JUL-1996 0	86.8
23	14068	30-JUL-1996 0	70.8
24	14286	5-AUG-1996 0	84.6
25	14238	7-AUG-1996 0	91.4
26	14311	13-AUG-1996 0	89.5
27	14304	14-AUG-1996 0	97.4
28	14323	21-AUG-1996 0	95.3
29	14335	21-AUG-1996 0	94.8
30	14351	21-AUG-1996 0	89.1
31	14535	9-SEP-1996 0	110
32	14712	25-SEP-1996 0	93.8
33	14753	1-OCT-1996 0	118
34	14779	8-OCT-1996 0	CHECK LEVEL
35	14844P	9-OCT-1996 0	102
36	14999	16-OCT-1996 0	92.9
37	14909	16-OCT-1996 0	106
38	14927	17-OCT-1996 0	89.4
39	14900	18-OCT-1996 0	103
40	14916	23-OCT-1996 0	94.2

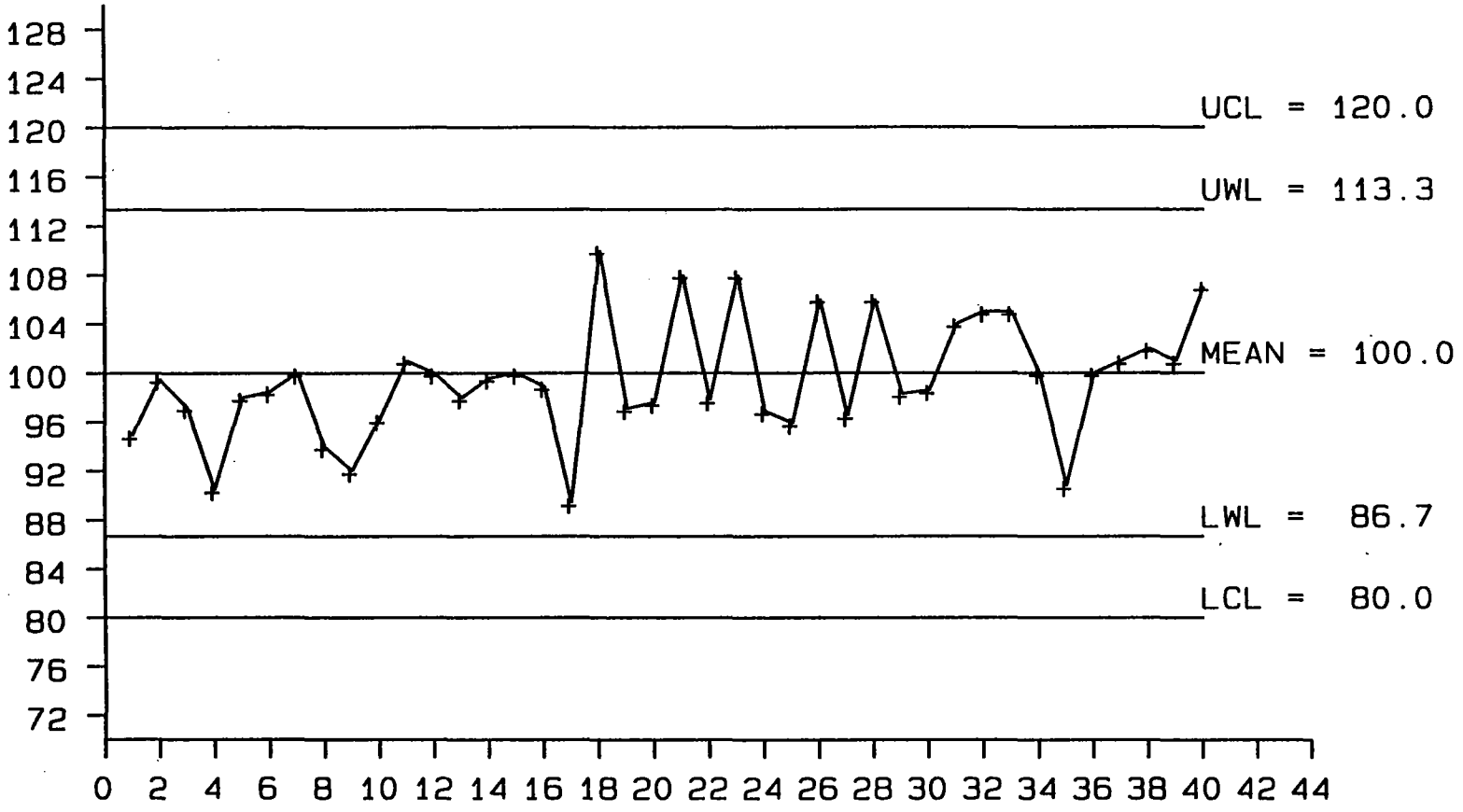

METALS_SW846_LIQUID Barium (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15: 12: 47.07
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_SW846_LIQUID Barium
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:12

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14803	23-SEP-1996 0	101
2	14699	24-SEP-1996 0	98.2
3	14801	24-SEP-1996 0	95.9
4	14711	25-SEP-1996 0	106
5	14713	26-SEP-1996 0	97.4
6	14685	26-SEP-1996 0	105
7	14714	26-SEP-1996 0	98.5
8	14704	26-SEP-1996 0	95.9
9	14712	26-SEP-1996 0	95.1
10	14731	27-SEP-1996 0	102
11	14722	27-SEP-1996 0	106
12	14742	1-OCT-1996 0	98.3
13	14743	1-OCT-1996 0	105
14	14758	4-OCT-1996 0	96.4
15	14753	5-OCT-1996 0	103
16	14771	5-OCT-1996 0	97.1
17	14774	6-OCT-1996 0	92.0
18	14779	8-OCT-1996 0	101
19	14893	10-OCT-1996 0	96.7
20	14910	11-OCT-1996 0	97.3
21	14900	11-OCT-1996 0	93.5
22	14899	11-OCT-1996 0	96.0
23	14803P	13-OCT-1996 0	93.6
24	14918	14-OCT-1996 0	94.3
25	14915	15-OCT-1996 0	92.6
26	14909	16-OCT-1996 0	101
27	14923	17-OCT-1996 0	94.8
28	14934	17-OCT-1996 0	95.4
29	14938	18-OCT-1996 0	102
30	14912	18-OCT-1996 0	101
31	14947	18-OCT-1996 0	104
32	14946	18-OCT-1996 0	105
33	14897	18-OCT-1996 0	104
34	14916	21-OCT-1996 0	96.6
35	14951	21-OCT-1996 0	101
36	14961	22-OCT-1996 0	101
37	14964	24-OCT-1996 0	102
38	14976	24-OCT-1996 0	103
39	15095	25-OCT-1996 0	98.8
40	15040	27-OCT-1996 0	86.0

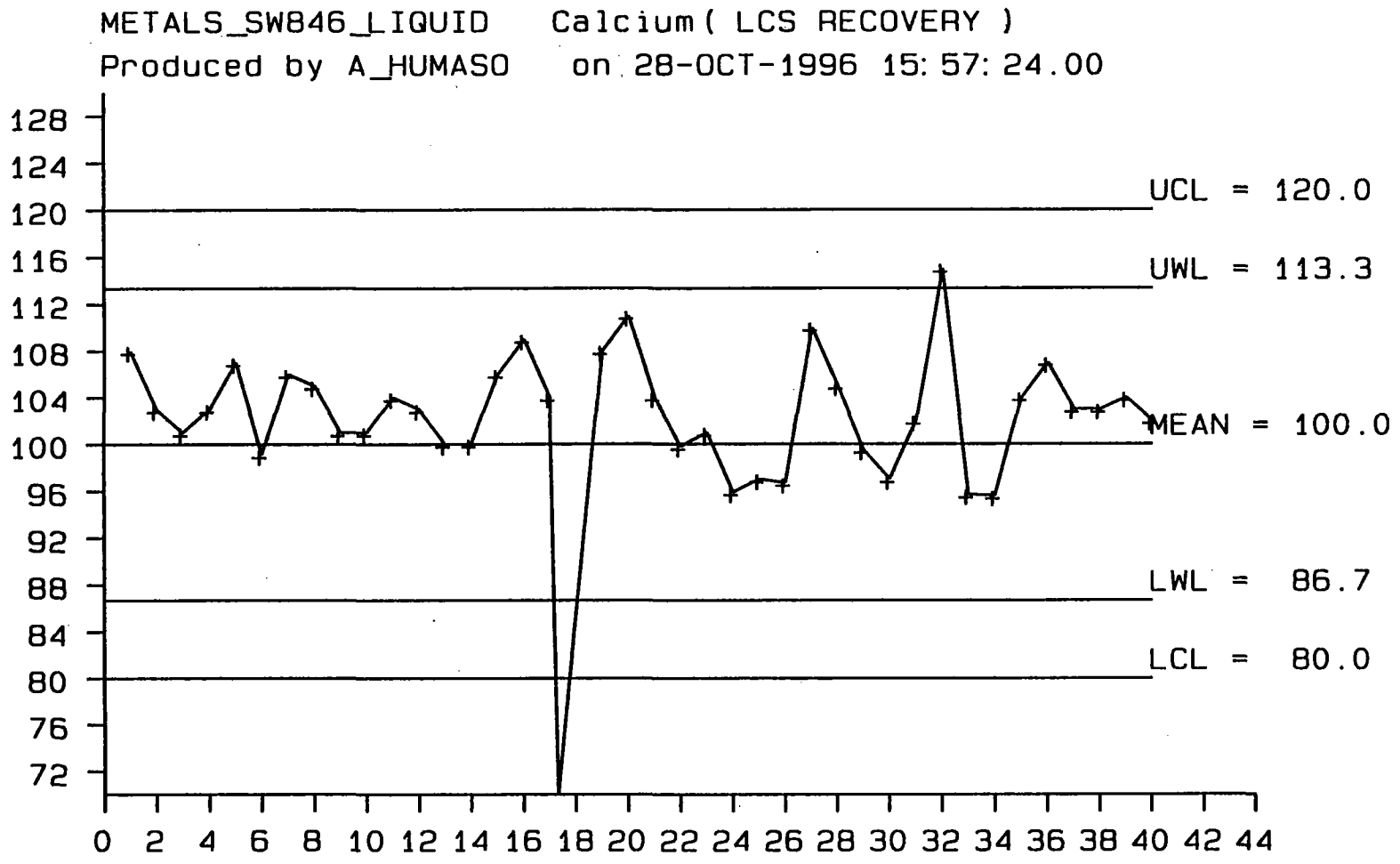
METALS_SW846_LIQUID Beryllium(LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 16:23:57.76



Data Points for: METALS_SW846_LIQUID Beryllium
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:17

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14253	9-AUG-1996 0	94.9
2	14274	12-AUG-1996 0	99.5
3	14267	13-AUG-1996 0	97.2
4	14311	13-AUG-1996 0	90.5
5	14304	14-AUG-1996 0	98.0
6	14275	14-AUG-1996 0	98.5
7	14323	16-AUG-1996 0	100
8	14389	19-AUG-1996 0	94.0
9	14351	21-AUG-1996 0	92.0
10	14335	21-AUG-1996 0	96.2
11	14398	21-AUG-1996 0	101
12	14430	24-AUG-1996 0	100
13	14458	25-AUG-1996 0	98.0
14	14440	26-AUG-1996 0	99.6
15	14383	27-AUG-1996 0	100
16	14473	28-AUG-1996 0	98.9
17	14518	9-SEP-1996 0	89.4
18	14535	9-SEP-1996 0	110
19	14541P	12-SEP-1996 0	97.1
20	14699	24-SEP-1996 0	97.6
21	14574	26-SEP-1996 0	108
22	14713	26-SEP-1996 0	97.8
23	14574P	26-SEP-1996 0	108
24	14704	26-SEP-1996 0	96.9
25	14712	26-SEP-1996 0	95.9
26	14722	27-SEP-1996 0	106
27	14743	1-OCT-1996 0	96.5
28	14753	5-OCT-1996 0	106
29	14771	5-OCT-1996 0	98.3
30	14774	6-OCT-1996 0	98.6
31	14779	8-OCT-1996 0	104
32	14880P	17-OCT-1996 0	105
33	14923	17-OCT-1996 0	105
34	14932	17-OCT-1996 0	100
35	14893	18-OCT-1996 0	90.8
36	14912	21-OCT-1996 0	100
37	14946	21-OCT-1996 0	101
38	14897	22-OCT-1996 0	102
39	14957	22-OCT-1996 0	101
40	14976	24-OCT-1996 0	107

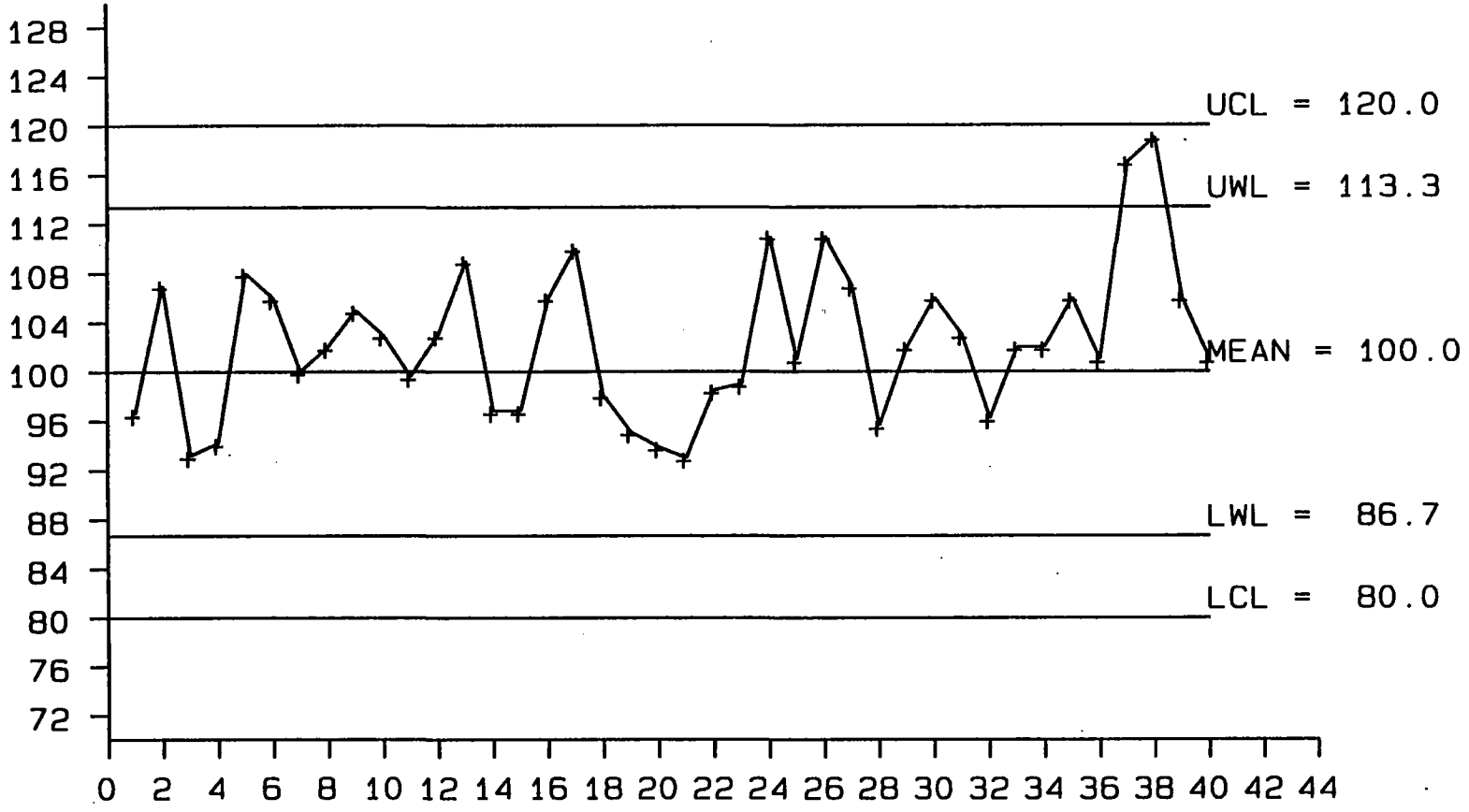

METALS_SW846_LIQUID Calcium (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15:57:24.00
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_SW846_LIQUID Calcium
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:57

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14222	7-AUG-1996 0	108
2	14226	7-AUG-1996 0	103
3	14253	9-AUG-1996 0	101
4	14274	12-AUG-1996 0	103
5	14267	17-AUG-1996 0	107
6	14389	19-AUG-1996 0	99.1
7	14398	21-AUG-1996 0	106
8	14430	24-AUG-1996 0	105
9	14402	25-AUG-1996 0	101
10	14458	26-AUG-1996 0	101
11	14469	27-AUG-1996 0	104
12	14383	27-AUG-1996 0	103
13	14473	28-AUG-1996 0	100
14	14440	30-AUG-1996 0	100
15	14489	31-AUG-1996 0	106
16	14499	31-AUG-1996 0	109
17	14500	3-SEP-1996 0	104
18	14519	7-SEP-1996 0	0.0
19	14535	9-SEP-1996 0	108
20	14535P	12-SEP-1996 0	111
21	14574	18-SEP-1996 0	104
22	14573	23-SEP-1996 0	99.8
23	14577	25-SEP-1996 0	101
24	14699	25-SEP-1996 0	95.9
25	14712	26-SEP-1996 0	97.0
26	14704	26-SEP-1996 0	96.7
27	14685	26-SEP-1996 0	110
28	14800	27-SEP-1996 0	105
29	14771	6-OCT-1996 0	99.5
30	14713	6-OCT-1996 0	97.0
31	14774	6-OCT-1996 0	102
32	14753	8-OCT-1996 0	115
33	14722	10-OCT-1996 0	95.7
34	14740	15-OCT-1996 0	95.6
35	14923	17-OCT-1996 0	104
36	14880P	17-OCT-1996 0	107
37	14912	21-OCT-1996 0	103
38	14946	21-OCT-1996 0	103
39	14897	22-OCT-1996 0	104
40	14778	23-OCT-1996 0	102

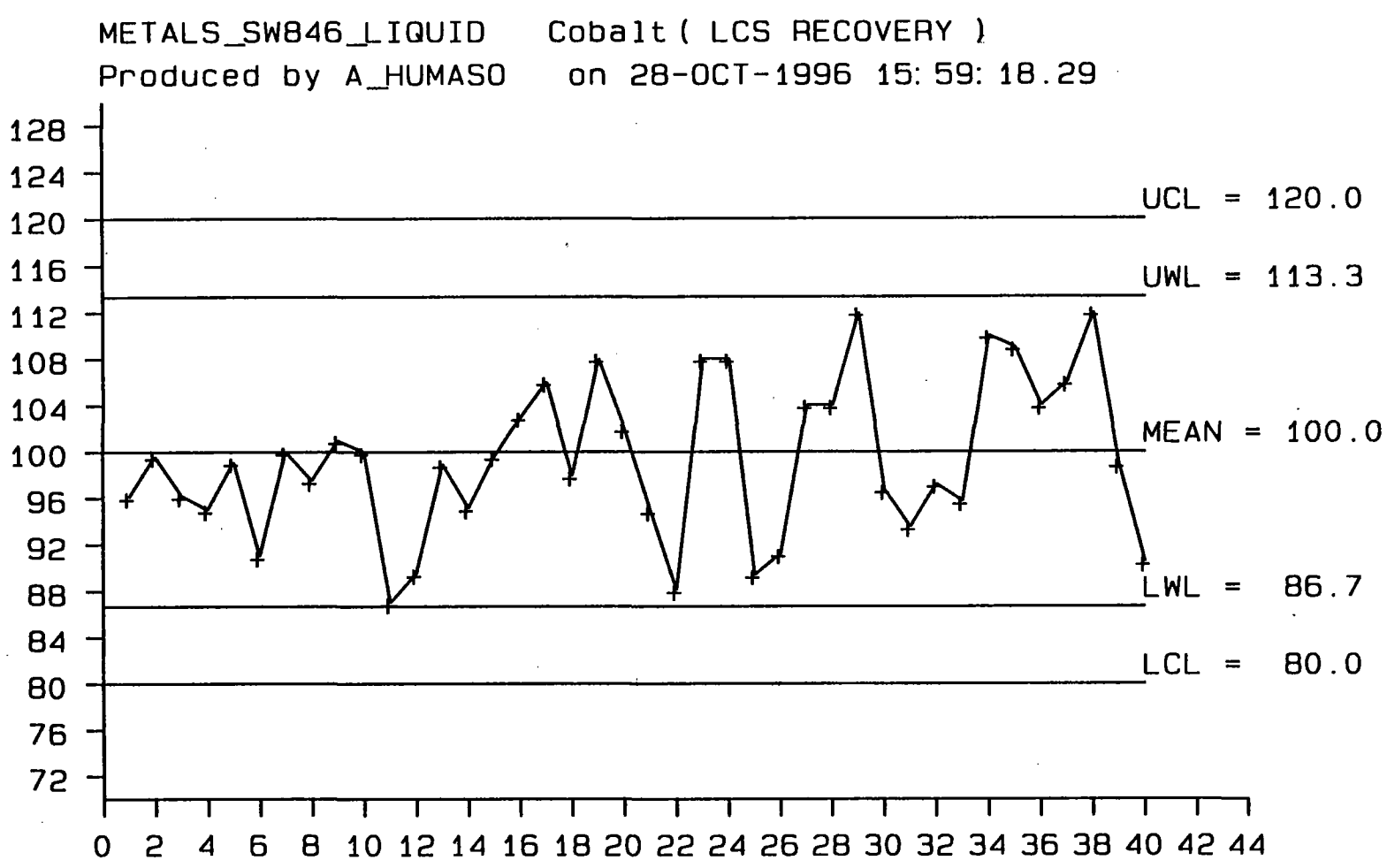
METALS_SW846_LIQUID Cadmium (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15:25:54.19



Data Points for: METALS_SW846_LIQUID Cadmium
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:25

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14801	24-SEP-1996 0	96.6
2	14711	25-SEP-1996 0	107
3	14712	26-SEP-1996 0	93.2
4	14704	26-SEP-1996 0	94.2
5	14685	26-SEP-1996 0	108
6	14574P	26-SEP-1996 0	106
7	14713	26-SEP-1996 0	100
8	14722	30-SEP-1996 0	102
9	14742	1-OCT-1996 0	105
10	14743	1-OCT-1996 0	103
11	14758	4-OCT-1996 0	99.6
12	14771	5-OCT-1996 0	103
13	14753	5-OCT-1996 0	109
14	14575	7-OCT-1996 0	96.8
15	0917601001	7-OCT-1996 0	96.8
16	14779	8-OCT-1996 0	106
17	14844P	9-OCT-1996 0	110
18	14893	10-OCT-1996 0	98.1
19	14899	11-OCT-1996 0	95.1
20	14900	11-OCT-1996 0	93.9
21	14918	14-OCT-1996 0	93.0
22	14915	15-OCT-1996 0	98.5
23	14999	15-OCT-1996 0	99.0
24	14909	16-OCT-1996 0	111
25	14923	17-OCT-1996 0	101
26	14880P	17-OCT-1996 0	111
27	14882	17-OCT-1996 0	107
28	14934	17-OCT-1996 0	95.6
29	14938	18-OCT-1996 0	102
30	14947	18-OCT-1996 0	106
31	14951	21-OCT-1996 0	103
32	14916	21-OCT-1996 0	96.2
33	14957	22-OCT-1996 0	102
34	14961	22-OCT-1996 0	102
35	15095	25-OCT-1996 0	106
36	15085	25-OCT-1996 0	101
37	14946	26-OCT-1996 0	117
38	14897	26-OCT-1996 0	119
39	14774	26-OCT-1996 0	106
40	14910	26-OCT-1996 0	101

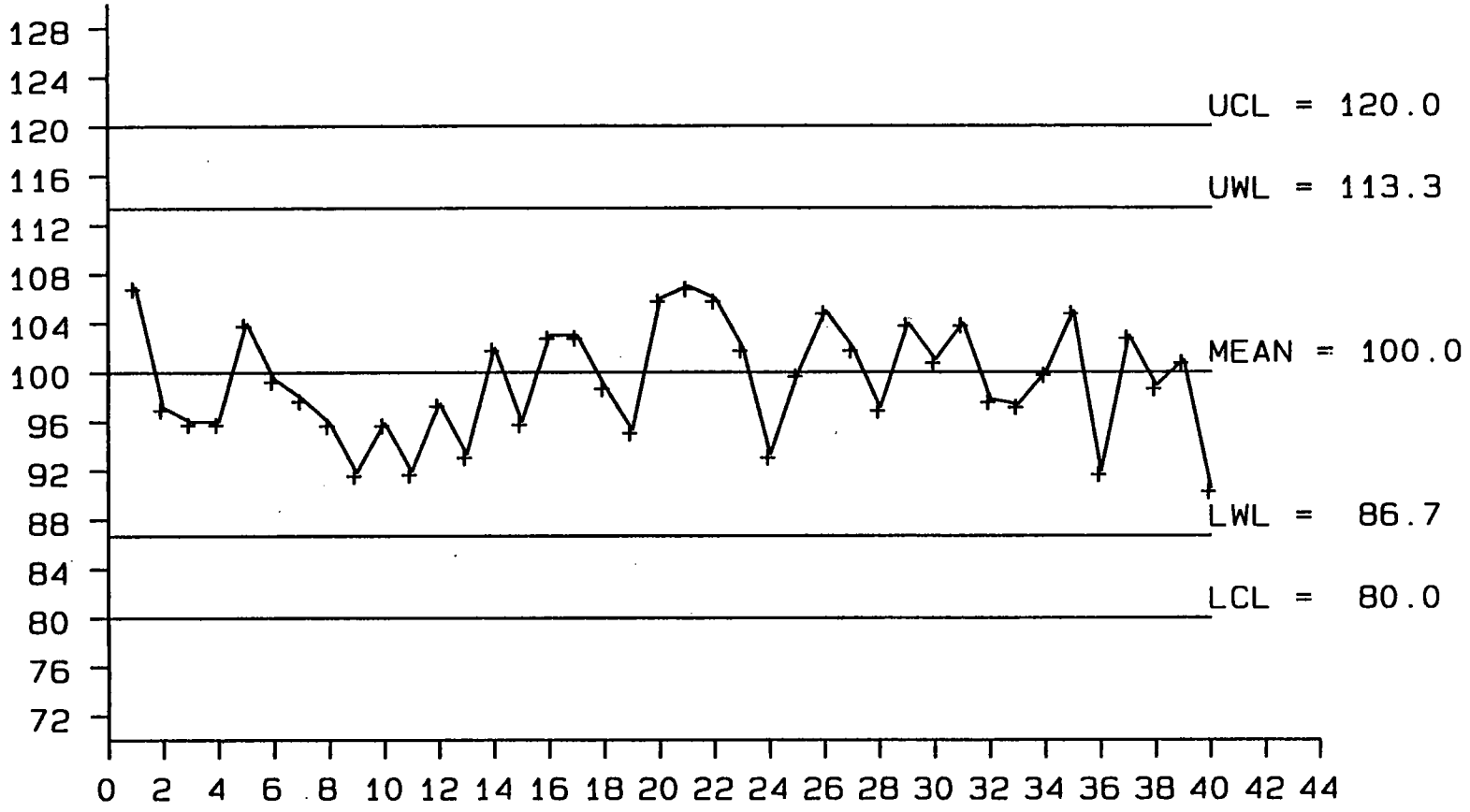

METALS_SW846_LIQUID Cobalt (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15:59:18.29
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_SW846_LIQUID Cobalt
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:59

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14238	7-AUG-1996 0	96.1
2	14222	7-AUG-1996 0	99.6
3	14252	9-AUG-1996 0	96.2
4	14253	9-AUG-1996 0	95.0
5	14274	12-AUG-1996 0	99.1
6	14311	13-AUG-1996 0	91.0
7	14267	13-AUG-1996 0	100
8	14304	14-AUG-1996 0	97.5
9	14323	16-AUG-1996 0	101
10	14389	19-AUG-1996 0	100
11	14351	21-AUG-1996 0	87.0
12	14335	21-AUG-1996 0	89.5
13	14398	21-AUG-1996 0	98.9
14	14430	24-AUG-1996 0	95.1
15	14458	25-AUG-1996 0	99.6
16	14440	26-AUG-1996 0	103
17	14383	27-AUG-1996 0	106
18	14473	28-AUG-1996 0	97.9
19	14535	9-SEP-1996 0	108
20	14544	11-SEP-1996 0	102
21	14541	12-SEP-1996 0	94.9
22	14699	25-SEP-1996 0	88.1
23	14711	25-SEP-1996 0	108
24	14574	26-SEP-1996 0	108
25	14704	26-SEP-1996 0	89.4
26	14712	26-SEP-1996 0	91.2
27	14713	26-SEP-1996 0	104
28	14722	30-SEP-1996 0	104
29	14753	5-OCT-1996 0	112
30	14771	6-OCT-1996 0	96.7
31	14774	6-OCT-1996 0	93.5
32	14910	11-OCT-1996 0	97.2
33	14923	17-OCT-1996 0	95.7
34	14897	18-OCT-1996 0	110
35	14946	18-OCT-1996 0	109
36	14912	18-OCT-1996 0	104
37	14957	22-OCT-1996 0	106
38	14976	24-OCT-1996 0	112
39	15085	25-OCT-1996 0	98.9
40	15040	27-OCT-1996 0	90.5

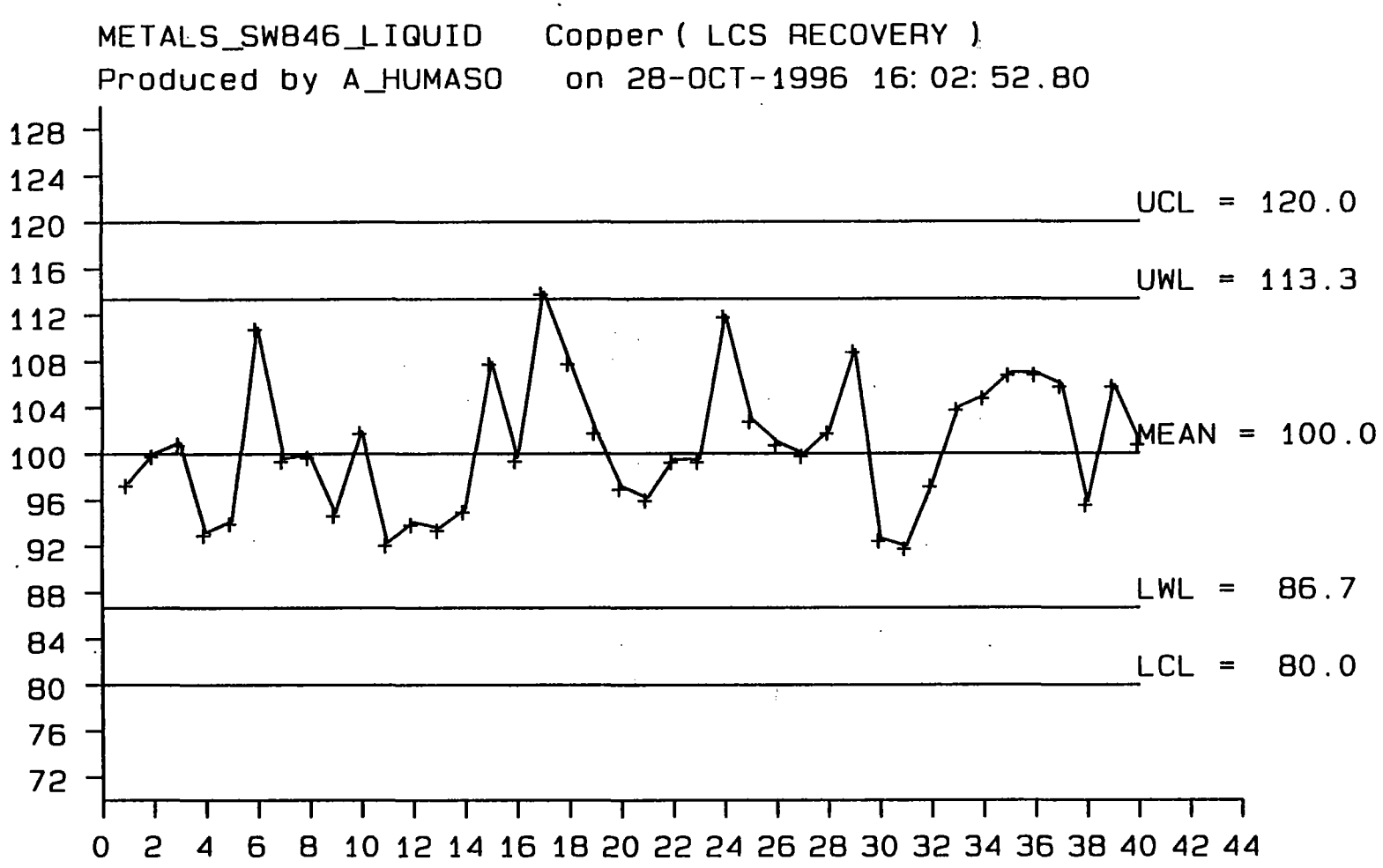
METALS_SW846_LIQUID Chromium (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15:30:20.16



Data Points for: METALS_SW846_LIQUID Chromium
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:30

Current Control Limits
(80.0 - 120.0)

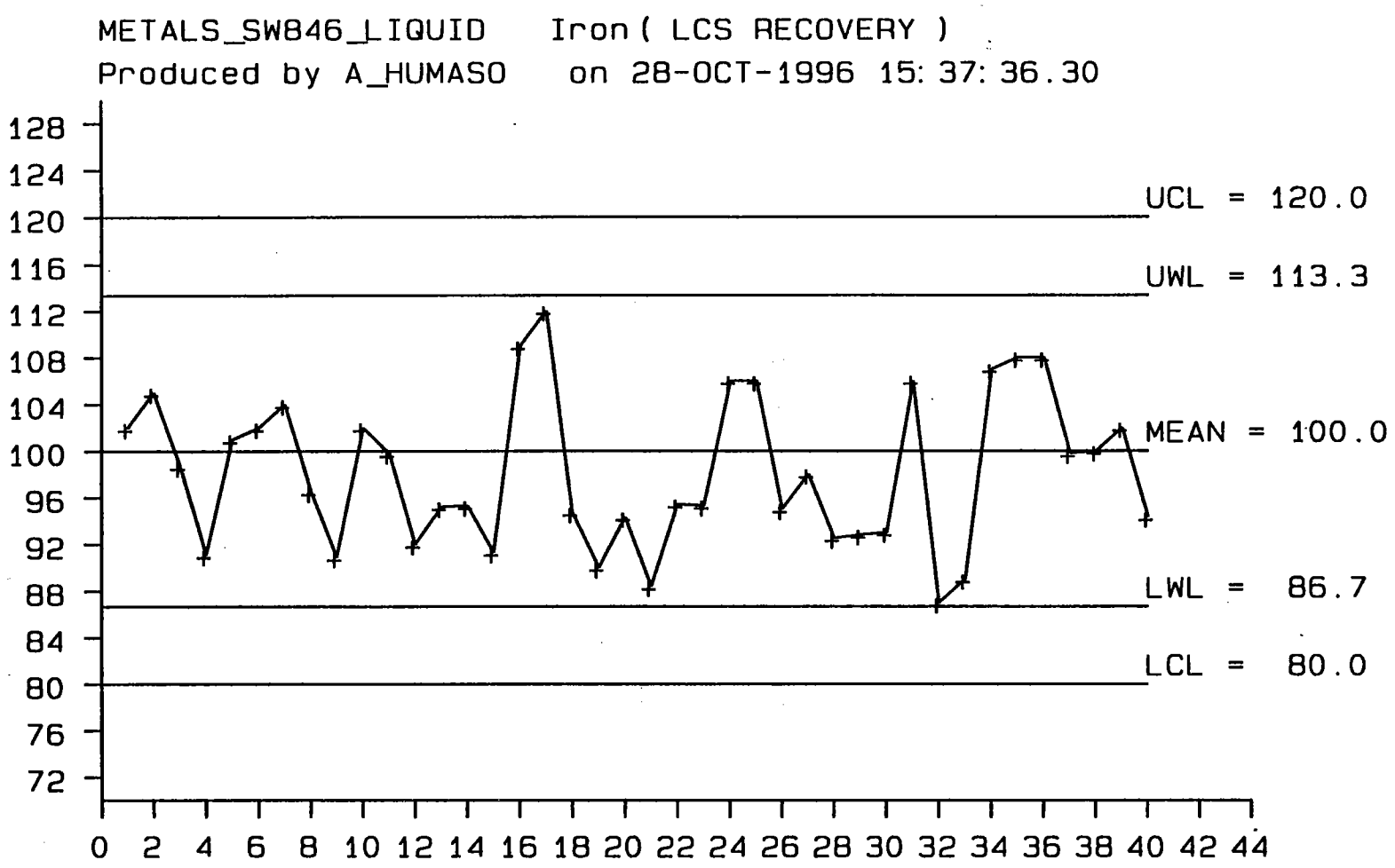
Point	Batch Number	Date Analyzed	Value (%)
1	14753	5-OCT-1996 0	107
2	14774	6-OCT-1996 0	97.2
3	0917601001	7-OCT-1996 0	96.0
4	14575	7-OCT-1996 0	96.0
5	14779	8-OCT-1996 0	104
6	14844P	9-OCT-1996 0	99.5
7	14893	10-OCT-1996 0	97.9
8	14899	11-OCT-1996 0	95.9
9	14900	11-OCT-1996 0	91.8
10	14910	11-OCT-1996 0	95.9
11	14918	14-OCT-1996 0	91.9
12	14999	15-OCT-1996 0	97.5
13	14915	15-OCT-1996 0	93.3
14	14909	16-OCT-1996 0	102
15	14934	17-OCT-1996 0	96.0
16	14882	17-OCT-1996 0	103
17	14882P	17-OCT-1996 0	103
18	14932	17-OCT-1996 0	98.9
19	14923	17-OCT-1996 0	95.3
20	14897	18-OCT-1996 0	106
21	14946	18-OCT-1996 0	107
22	14947	18-OCT-1996 0	106
23	14912	18-OCT-1996 0	102
24	14893P	18-OCT-1996 0	93.3
25	14938	18-OCT-1996 0	99.9
26	14940	18-OCT-1996 0	105
27	14951	21-OCT-1996 0	102
28	14916	22-OCT-1996 0	97.1
29	14951P	22-OCT-1996 0	104
30	14961	22-OCT-1996 0	101
31	14957	22-OCT-1996 0	104
32	14778	23-OCT-1996 0	97.8
33	102396DISS	23-OCT-1996 0	97.4
34	14947P	23-OCT-1996 0	100
35	14964	24-OCT-1996 0	105
36	15084	25-OCT-1996 0	91.9
37	15095	25-OCT-1996 0	103
38	15093	25-OCT-1996 0	98.9
39	15085	25-OCT-1996 0	101
40	15040	27-OCT-1996 0	90.5


METALS_SW846_LIQUID Copper (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 16:02:52.80
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44

Data Points for: METALS_SW846_LIQUID Copper
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 16:02

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14469	27-AUG-1996 0	97.5
2	14473	28-AUG-1996 0	100
3	14489	30-AUG-1996 0	101
4	14500	3-SEP-1996 0	93.2
5	14518	9-SEP-1996 0	94.2
6	14535	9-SEP-1996 0	111
7	14541	10-SEP-1996 0	99.6
8	14535P	12-SEP-1996 0	99.9
9	14541P	12-SEP-1996 0	94.9
10	14574	17-SEP-1996 0	102
11	14698	23-SEP-1996 0	92.3
12	14699	25-SEP-1996 0	94.1
13	14712	26-SEP-1996 0	93.6
14	14704	26-SEP-1996 0	95.2
15	14685	26-SEP-1996 0	108
16	14713	26-SEP-1996 0	99.6
17	14711	27-SEP-1996 0	114
18	14722	27-SEP-1996 0	108
19	14743	1-OCT-1996 0	102
20	14771	6-OCT-1996 0	97.2
21	14774	6-OCT-1996 0	96.2
22	14575	7-OCT-1996 0	99.5
23	0917601001	7-OCT-1996 0	99.5
24	14753	8-OCT-1996 0	112
25	14779	8-OCT-1996 0	103
26	1008601001	9-OCT-1996 0	101
27	14893	10-OCT-1996 0	100
28	14910	11-OCT-1996 0	102
29	14914	12-OCT-1996 0	109
30	14918	14-OCT-1996 0	92.7
31	14923	17-OCT-1996 0	92.0
32	14882	17-OCT-1996 0	97.4
33	14912	18-OCT-1996 0	104
34	14947	18-OCT-1996 0	105
35	14946	18-OCT-1996 0	107
36	14897	18-OCT-1996 0	107
37	14957	22-OCT-1996 0	106
38	14778	23-OCT-1996 0	95.8
39	14976	24-OCT-1996 0	106
40	15085	25-OCT-1996 0	101

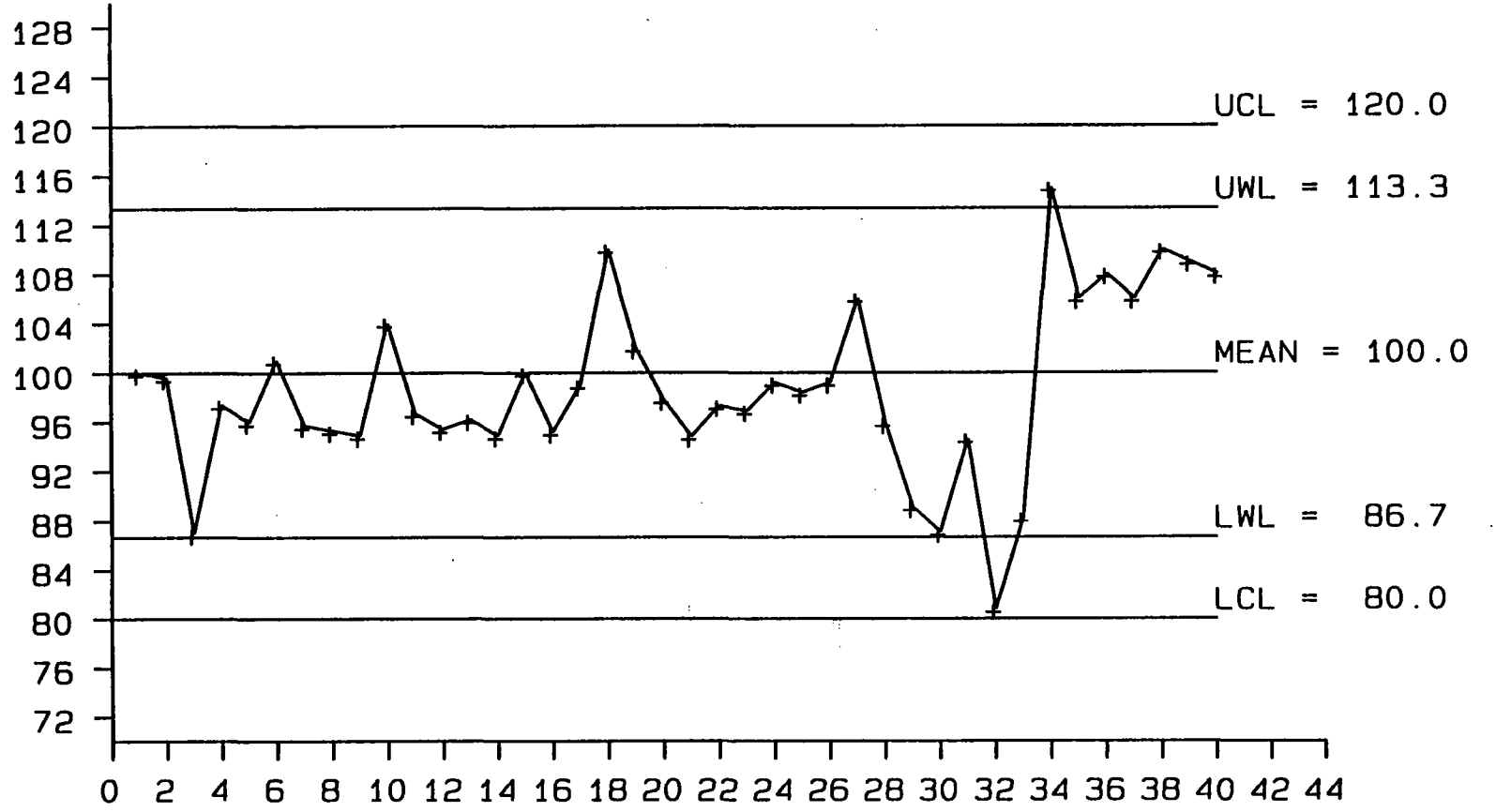

METALS_SW846_LIQUID Iron (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15: 37: 36.30
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_SW846_LIQUID Iron
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:37

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14499	1-SEP-1996 0	102
2	14500	3-SEP-1996 0	105
3	14498	3-SEP-1996 0	98.7
4	14503	5-SEP-1996 0	91.1
5	14518	7-SEP-1996 0	101
6	14519	7-SEP-1996 0	102
7	14535	9-SEP-1996 0	104
8	14541	10-SEP-1996 0	96.5
9	14573	17-SEP-1996 0	90.9
10	14574	18-SEP-1996 0	102
11	14577	19-SEP-1996 0	99.8
12	14803	23-SEP-1996 0	92.0
13	14800	23-SEP-1996 0	95.2
14	14699	24-SEP-1996 0	95.3
15	14801	24-SEP-1996 0	91.3
16	14685	26-SEP-1996 0	109
17	14535P	26-SEP-1996 0	112
18	14713	26-SEP-1996 0	94.7
19	14714	26-SEP-1996 0	90.0
20	14704	26-SEP-1996 0	94.3
21	14712	26-SEP-1996 0	88.4
22	14722	27-SEP-1996 0	95.4
23	14743	1-OCT-1996 0	95.3
24	14745	1-OCT-1996 0	106
25	14753	5-OCT-1996 0	106
26	14771	6-OCT-1996 0	95.0
27	14774	6-OCT-1996 0	98.0
28	14893	10-OCT-1996 0	92.5
29	14910	11-OCT-1996 0	92.8
30	14900	11-OCT-1996 0	93.0
31	14914	12-OCT-1996 0	106
32	14918	14-OCT-1996 0	87.0
33	14934	17-OCT-1996 0	89.0
34	14923	17-OCT-1996 0	107
35	14897	18-OCT-1996 0	108
36	14946	18-OCT-1996 0	108
37	14916	21-OCT-1996 0	99.8
38	14961	22-OCT-1996 0	100
39	14778	23-OCT-1996 0	102
40	15084	25-OCT-1996 0	94.3

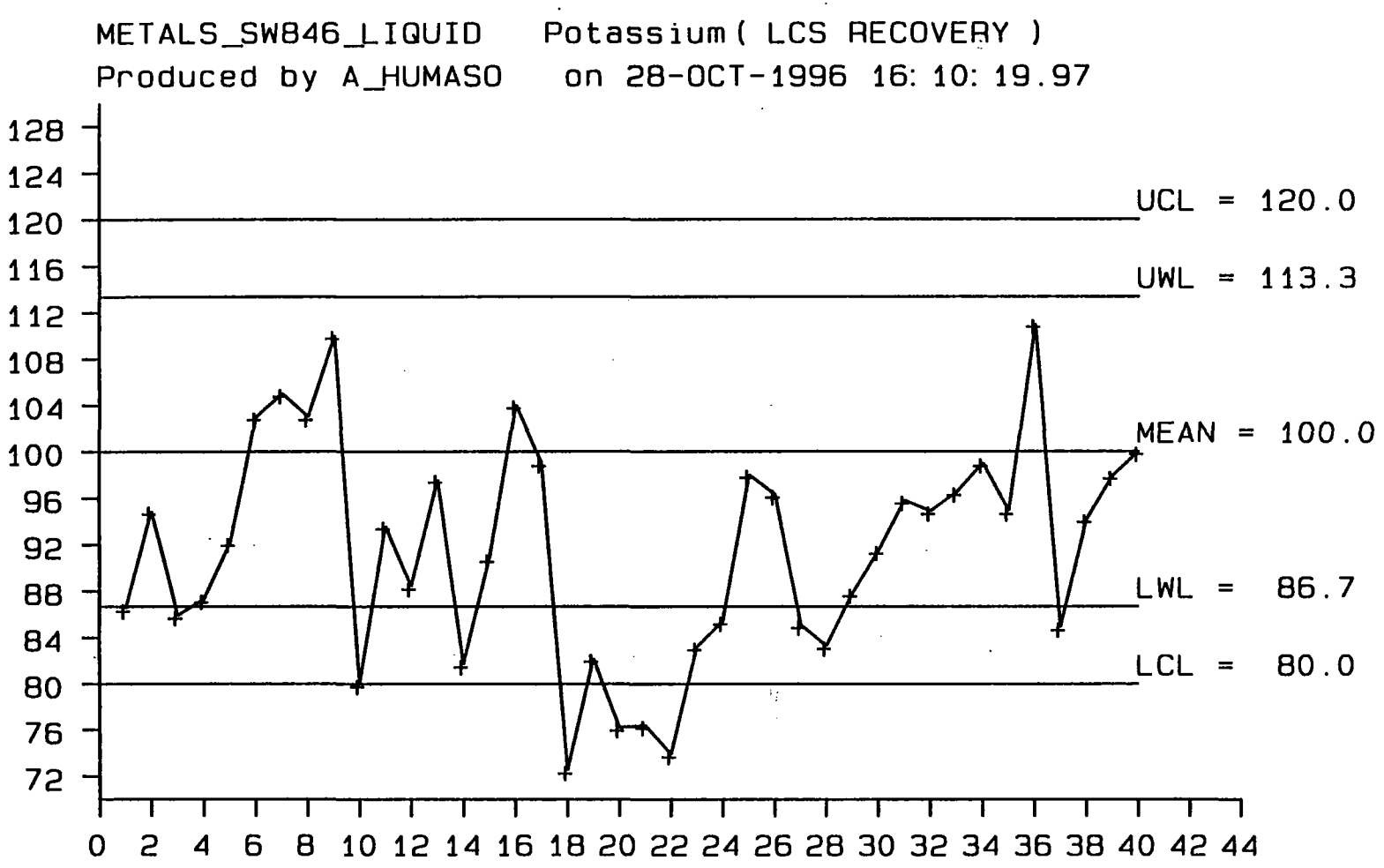
M_HG_LIQUID Mercury (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 16:39:09.50



Data Points for: M_HG_LIQUID Mercury
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 16:39

Current Control Limits
(80.0 - 120.0)

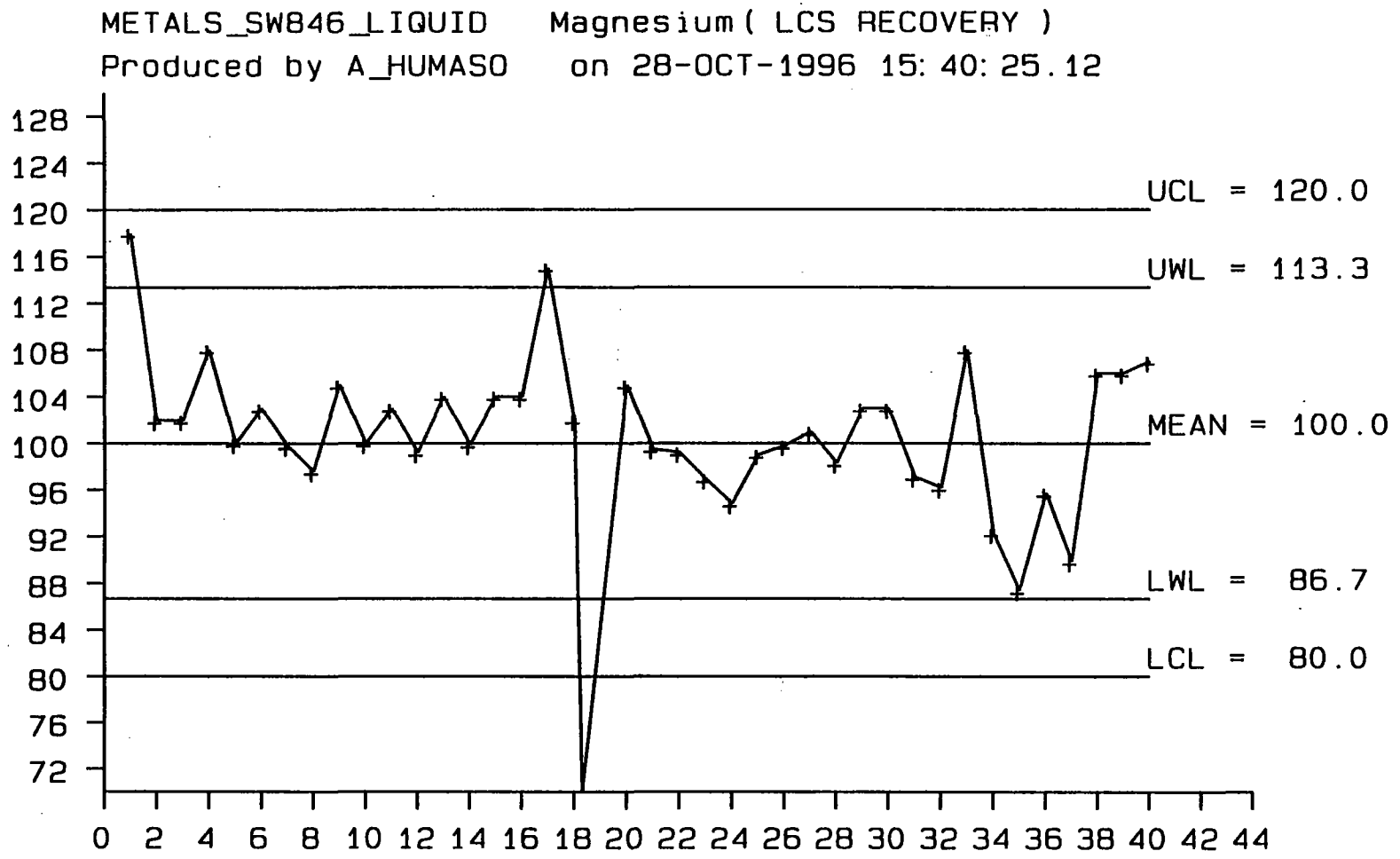
Point	Batch Number	Date Analyzed	Value (%)
1	HG-2957	4-OCT-1996 0	100
2	HG-2960	7-OCT-1996 0	99.6
3	HG-2961	7-OCT-1996 0	87.0
4	HG-2965	7-OCT-1996 0	97.4
5	HG-2964	7-OCT-1996 0	96.0
6	HG-2973	10-OCT-1996 0	101
7	HG-2972	10-OCT-1996 0	95.7
8	HG-2977	11-OCT-1996 0	95.3
9	HG-2976	11-OCT-1996 0	94.9
10	HG-2978	11-OCT-1996 0	104
11	HG-2986	14-OCT-1996 0	96.7
12	HG-2988	14-OCT-1996 0	95.4
13	HG-2987	14-OCT-1996 0	96.2
14	HG-2989	14-OCT-1996 0	94.9
15	HG-2984	14-OCT-1996 0	100
16	1011747001	14-OCT-1996 0	95.2
17	HG-2993	16-OCT-1996 0	99.0
18	HG-2994	16-OCT-1996 0	110
19	HG-3003	17-OCT-1996 0	102
20	HG-3001	17-OCT-1996 0	97.8
21	HG-3000	17-OCT-1996 0	94.8
22	HG-3002	17-OCT-1996 0	97.3
23	HG-3004	18-OCT-1996 0	96.9
24	HG-3006	21-OCT-1996 0	99.2
25	HG-3007	21-OCT-1996 0	98.4
26	HG-3010	21-OCT-1996 0	99.2
27	HG-3013	22-OCT-1996 0	106
28	HG-3023	24-OCT-1996 0	95.9
29	HG-3018	24-OCT-1996 0	89.1
30	HG-3017	24-OCT-1996 0	87.1
31	HG-3021	24-OCT-1996 0	94.6
32	HG-3016	24-OCT-1996 0	80.8
33	HG-3025	25-OCT-1996 0	88.2
34	HG-3033	26-OCT-1996 0	115
35	HG-3028	26-OCT-1996 0	106
36	HG-3029	26-OCT-1996 0	108
37	HG-3036	26-OCT-1996 0	106
38	HG-3035	26-OCT-1996 0	110
39	HG-3030	27-OCT-1996 0	109
40	HG-3031	27-OCT-1996 0	108


METALS_SW846_LIQUID Potassium (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 16: 10: 19.97
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_SW846_LIQUID Potassium
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 16:10

Current Control Limits
(80.0 - 120.0)

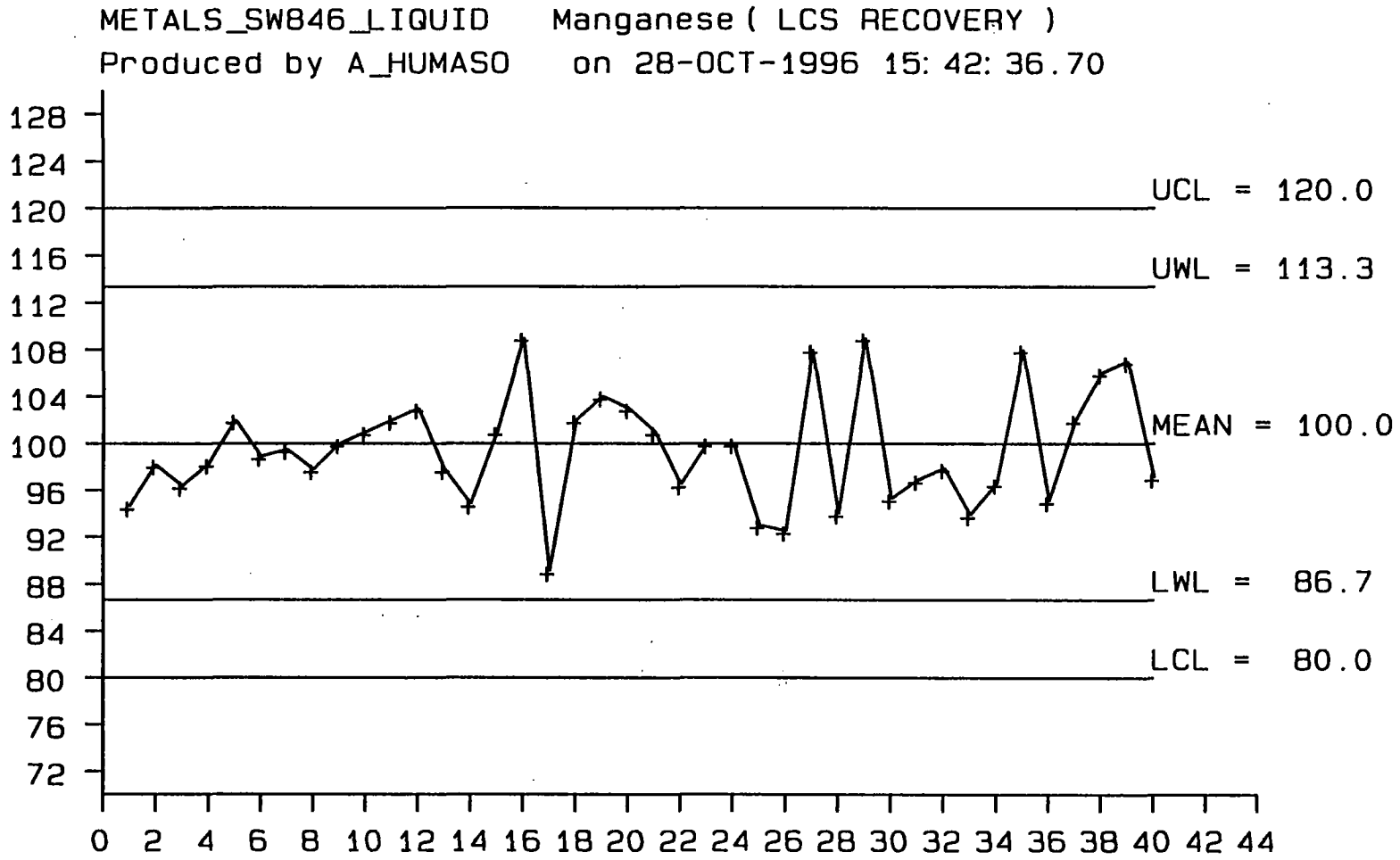
Point	Batch Number	Date Analyzed	Value (%)
1	13936	15-JUL-1996 0	86.5
2	14123	23-JUL-1996 0	94.9
3	14125	24-JUL-1996 0	85.9
4	14149	24-JUL-1996 0	87.3
5	14162	25-JUL-1996 0	92.2
6	14190	28-JUL-1996 0	103
7	14209	30-JUL-1996 0	105
8	14206	2-AUG-1996 0	103
9	14235	5-AUG-1996 0	110
10	14226	7-AUG-1996 0	80.0
11	14239	7-AUG-1996 0	93.6
12	14222	17-AUG-1996 0	88.4
13	14389	19-AUG-1996 0	97.6
14	14238	20-AUG-1996 0	81.7
15	14398	21-AUG-1996 0	90.8
16	14430	24-AUG-1996 0	104
17	14274	25-AUG-1996 0	99.0
18	14458	26-AUG-1996 0	72.5
19	14473	28-AUG-1996 0	82.2
20	14253	30-AUG-1996 0	76.2
21	14440	30-AUG-1996 0	76.4
22	14383	30-AUG-1996 0	73.9
23	14267	30-AUG-1996 0	83.2
24	14499	4-SEP-1996 0	85.4
25	14519	7-SEP-1996 0	98.0
26	14535	9-SEP-1996 0	96.3
27	14573	18-SEP-1996 0	85.1
28	14574	18-SEP-1996 0	83.3
29	14699	25-SEP-1996 0	87.8
30	14800	27-SEP-1996 0	91.5
31	14745	1-OCT-1996 0	95.8
32	14774	6-OCT-1996 0	94.9
33	14713	6-OCT-1996 0	96.5
34	14771	6-OCT-1996 0	99.0
35	14712	7-OCT-1996 0	94.9
36	14753	8-OCT-1996 0	111
37	14722	10-OCT-1996 0	84.9
38	14740	15-OCT-1996 0	94.2
39	14912	21-OCT-1996 0	97.9
40	14946	21-OCT-1996 0	100


METALS_SW846_LIQUID Magnesium (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15:40:25.12
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_SW846_LIQUID Magnesium
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:40

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14239	7-AUG-1996 0	118
2	14238	7-AUG-1996 0	102
3	14222	7-AUG-1996 0	102
4	14226	7-AUG-1996 0	108
5	14253	9-AUG-1996 0	100
6	14274	12-AUG-1996 0	103
7	14267	13-AUG-1996 0	99.8
8	14389	19-AUG-1996 0	97.6
9	14398	21-AUG-1996 0	105
10	14402	23-AUG-1996 0	100
11	14430	24-AUG-1996 0	103
12	14458	25-AUG-1996 0	99.2
13	14440	26-AUG-1996 0	104
14	14383	27-AUG-1996 0	99.9
15	14473	28-AUG-1996 0	104
16	14489	30-AUG-1996 0	104
17	14499	31-AUG-1996 0	115
18	14500	3-SEP-1996 0	102
19	14519	7-SEP-1996 0	0.0
20	14535	9-SEP-1996 0	105
21	14573	18-SEP-1996 0	99.5
22	14574	18-SEP-1996 0	99.2
23	14577	19-SEP-1996 0	96.9
24	14699	24-SEP-1996 0	94.8
25	14704	26-SEP-1996 0	99.0
26	14685	26-SEP-1996 0	99.8
27	14535P	26-SEP-1996 0	101
28	14713	26-SEP-1996 0	98.3
29	14722	27-SEP-1996 0	103
30	14800	27-SEP-1996 0	103
31	14753	5-OCT-1996 0	97.1
32	14771	6-OCT-1996 0	96.2
33	14774	6-OCT-1996 0	108
34	14712	7-OCT-1996 0	92.3
35	14910	11-OCT-1996 0	87.4
36	14740	15-OCT-1996 0	95.7
37	14912	18-OCT-1996 0	89.9
38	14946	18-OCT-1996 0	106
39	14897	18-OCT-1996 0	106
40	14778	23-OCT-1996 0	107

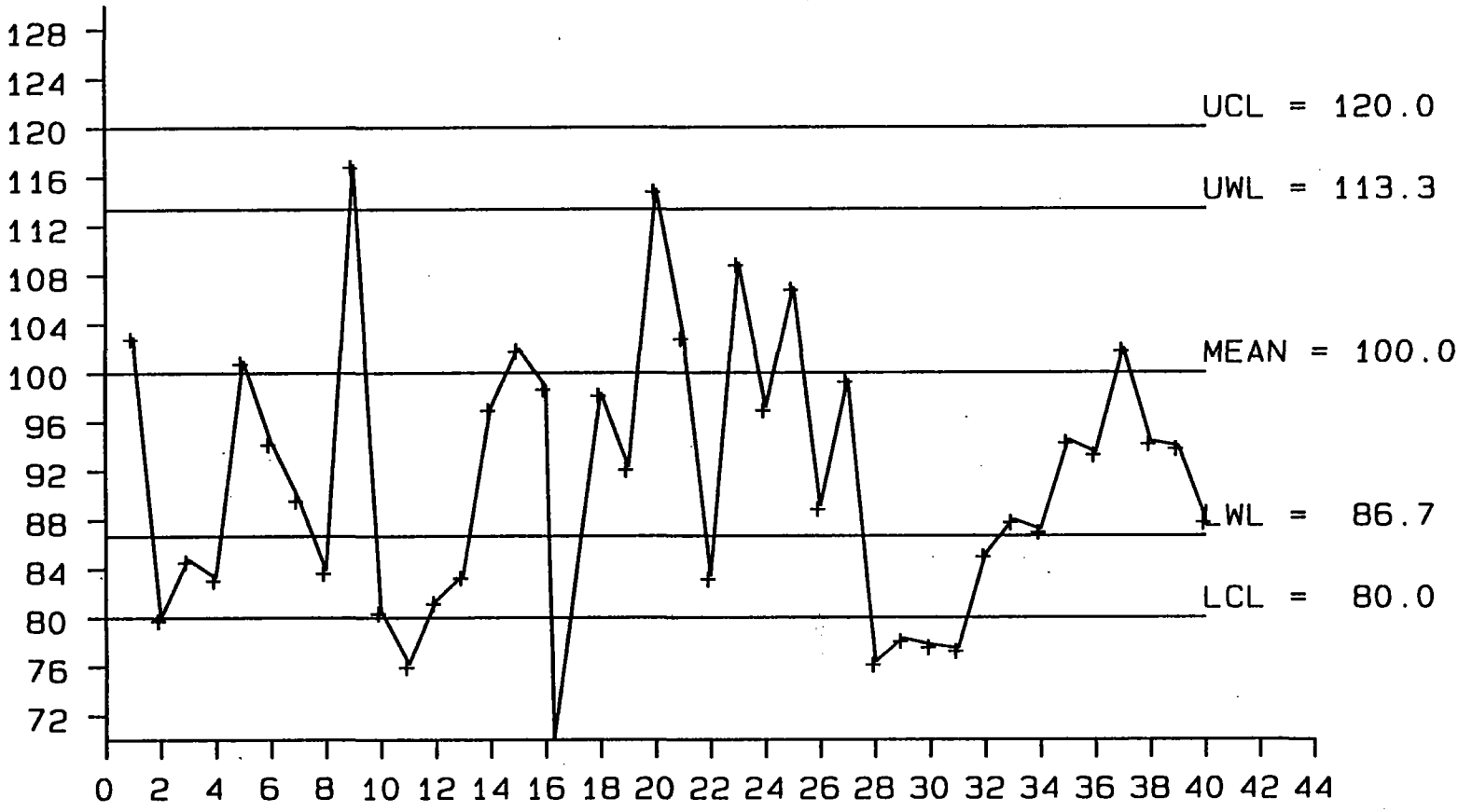

METALS_SW846_LIQUID Manganese (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15: 42: 36.70
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44

Data Points for: METALS_SW846_LIQUID Manganese
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:42

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14253	9-AUG-1996 0	94.6
2	14265	9-AUG-1996 0	98.2
3	14252	9-AUG-1996 0	96.4
4	14274	12-AUG-1996 0	98.3
5	14267	13-AUG-1996 0	102
6	14389	19-AUG-1996 0	98.9
7	14398	21-AUG-1996 0	99.5
8	14430	24-AUG-1996 0	97.8
9	14428	24-AUG-1996 0	100
10	14458	25-AUG-1996 0	101
11	14440	26-AUG-1996 0	102
12	14383	27-AUG-1996 0	103
13	14473	28-AUG-1996 0	97.8
14	14499	1-SEP-1996 0	94.8
15	14518	7-SEP-1996 0	101
16	14535	12-SEP-1996 0	109
17	14573	17-SEP-1996 0	89.1
18	14577	19-SEP-1996 0	102
19	14803	23-SEP-1996 0	104
20	14800	23-SEP-1996 0	103
21	14699	24-SEP-1996 0	101
22	14801	24-SEP-1996 0	96.5
23	14713	26-SEP-1996 0	100
24	14714	26-SEP-1996 0	100
25	14704	26-SEP-1996 0	93.0
26	14712	26-SEP-1996 0	92.5
27	14722	27-SEP-1996 0	108
28	14745	1-OCT-1996 0	94.0
29	14753	5-OCT-1996 0	109
30	14774	6-OCT-1996 0	95.3
31	14771	6-OCT-1996 0	96.9
32	14893	10-OCT-1996 0	97.9
33	14900	11-OCT-1996 0	93.9
34	14910	11-OCT-1996 0	96.6
35	14914	12-OCT-1996 0	108
36	14923	17-OCT-1996 0	95.1
37	14912	18-OCT-1996 0	102
38	14946	18-OCT-1996 0	106
39	14897	18-OCT-1996 0	107
40	14916	21-OCT-1996 0	97.1

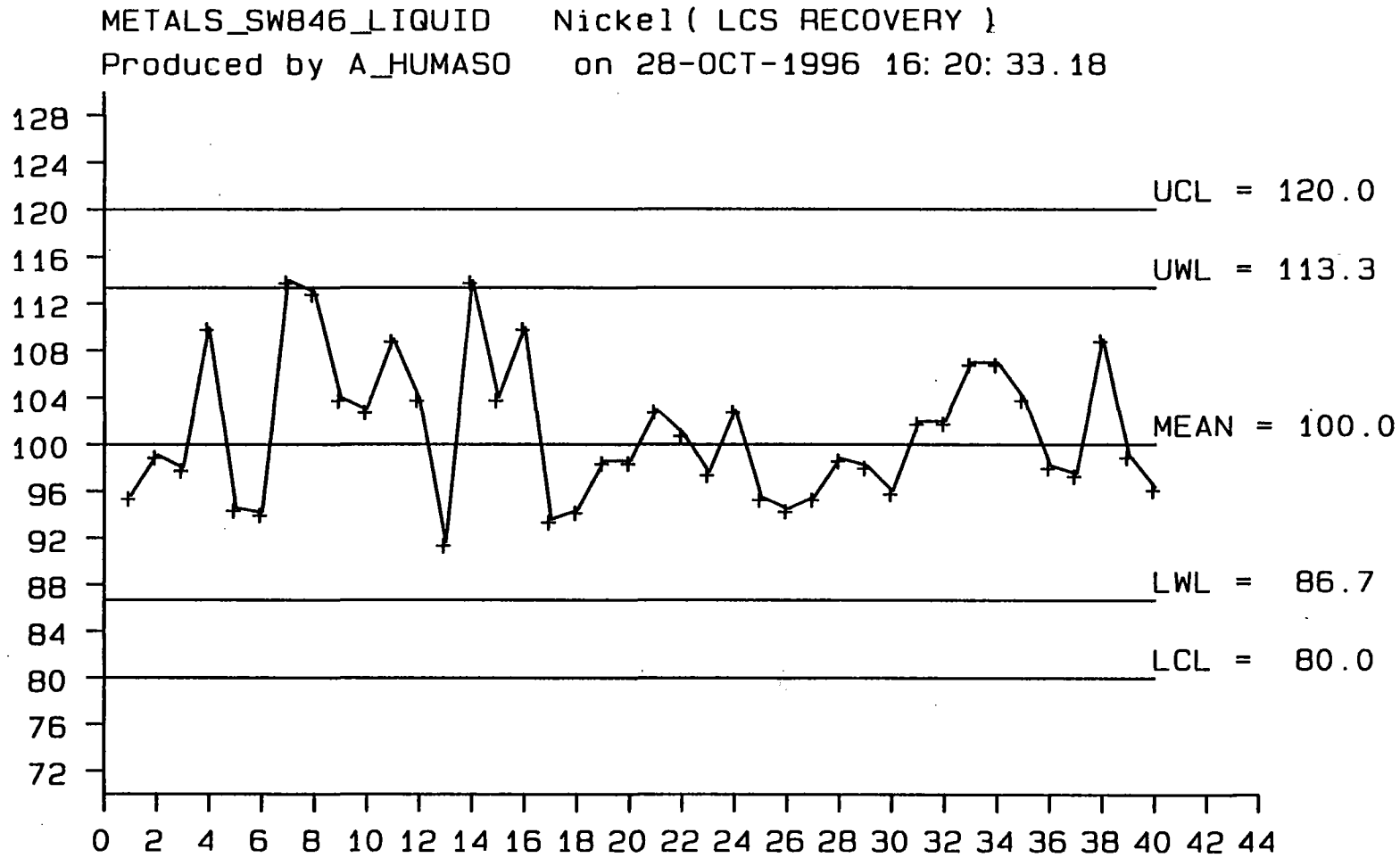
METALS_SW846_LIQUID Sodium (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 16:34:12.14



Data Points for: METALS_SW846_LIQUID Sodium
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 16:34

Current Control Limits
(80.0 - 120.0)

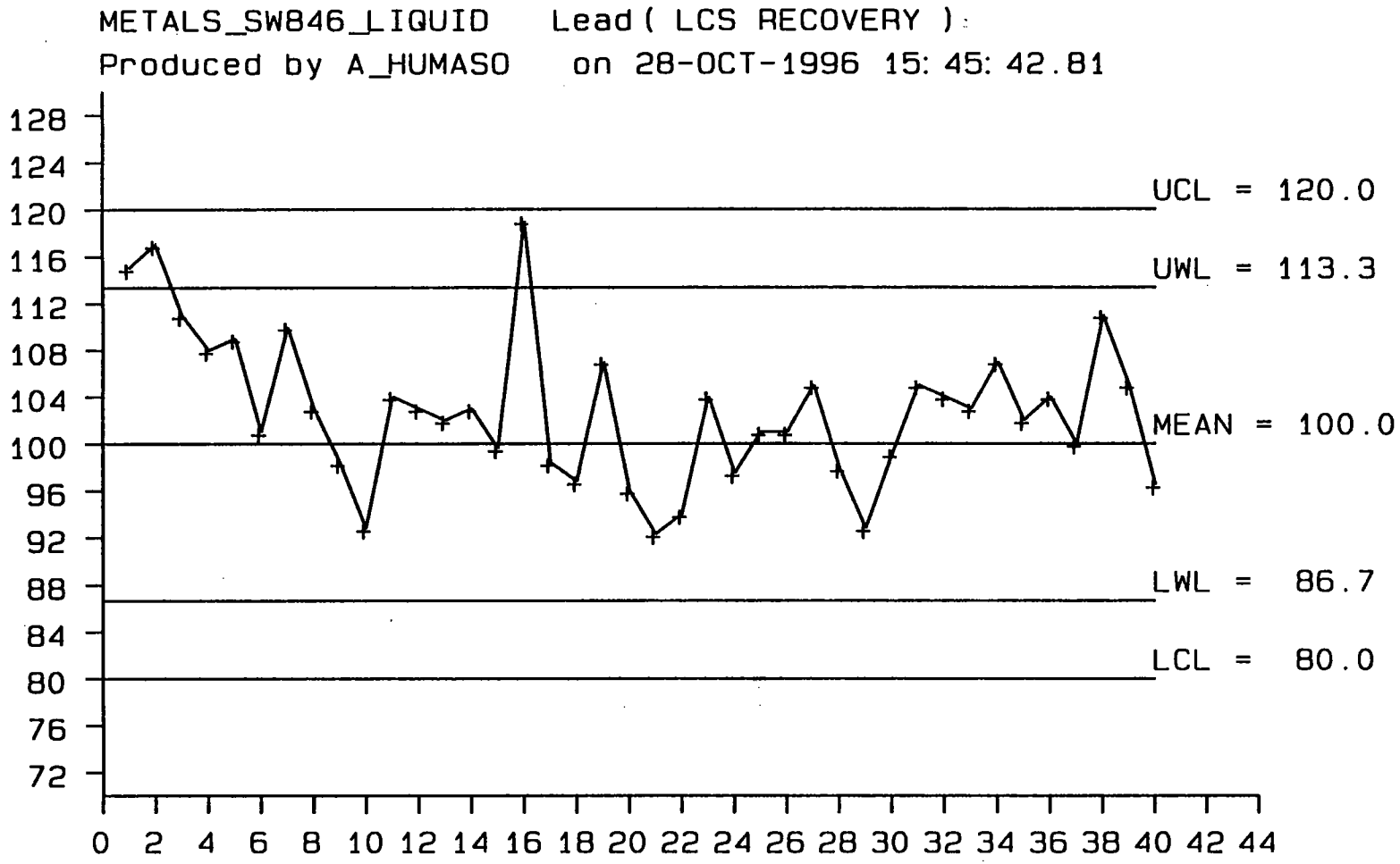
Point	Batch Number	Date Analyzed	Value (%)
1	14239	6-AUG-1996 0	103
2	14238	7-AUG-1996 0	80.0
3	14222	7-AUG-1996 0	84.8
4	14226	7-AUG-1996 0	83.3
5	14265	9-AUG-1996 0	101
6	14274	12-AUG-1996 0	94.4
7	14267	13-AUG-1996 0	89.8
8	14431	21-AUG-1996 0	83.9
9	14402	24-AUG-1996 0	117
10	14428	25-AUG-1996 0	80.6
11	14458	26-AUG-1996 0	76.2
12	14383	27-AUG-1996 0	81.4
13	14440	30-AUG-1996 0	83.5
14	14499	4-SEP-1996 0	97.2
15	14519	7-SEP-1996 0	102
16	14535	9-SEP-1996 0	98.9
17	14541	12-SEP-1996 0	0.0
18	14573	18-SEP-1996 0	98.4
19	14574	18-SEP-1996 0	92.3
20	14801	24-SEP-1996 0	115
21	14577	25-SEP-1996 0	103
22	14714	26-SEP-1996 0	83.4
23	14800	27-SEP-1996 0	109
24	14699	30-SEP-1996 0	97.2
25	14745	1-OCT-1996 0	107
26	14712	7-OCT-1996 0	89.1
27	14753	8-OCT-1996 0	99.5
28	14713	10-OCT-1996 0	76.4
29	14803	10-OCT-1996 0	78.3
30	14722	10-OCT-1996 0	77.8
31	14742	10-OCT-1996 0	77.5
32	14900	12-OCT-1996 0	85.2
33	14740	15-OCT-1996 0	88.0
34	14923	17-OCT-1996 0	87.2
35	14927	21-OCT-1996 0	94.5
36	14912	21-OCT-1996 0	93.5
37	14916	21-OCT-1996 0	102
38	14946	21-OCT-1996 0	94.4
39	14897	22-OCT-1996 0	94.0
40	14771	22-OCT-1996 0	88.0


METALS_SW846_LIQUID Nickel (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 16:20:33.18
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_SW846_LIQUID Nickel
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 16:20

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14518	9-SEP-1996 0	95.6
2	14541	10-SEP-1996 0	99.1
3	14541P	12-SEP-1996 0	98.0
4	14535P	12-SEP-1996 0	110
5	14573	18-SEP-1996 0	94.6
6	14577	20-SEP-1996 0	94.2
7	14685	26-SEP-1996 0	114
8	14574	26-SEP-1996 0	113
9	14800	27-SEP-1996 0	104
10	14712	27-SEP-1996 0	103
11	14722	27-SEP-1996 0	109
12	14704	27-SEP-1996 0	104
13	14699	30-SEP-1996 0	91.6
14	14711	30-SEP-1996 0	114
15	14743	1-OCT-1996 0	104
16	14753	5-OCT-1996 0	110
17	14774	6-OCT-1996 0	93.6
18	14771	6-OCT-1996 0	94.4
19	14575	7-OCT-1996 0	98.6
20	0917601001	7-OCT-1996 0	98.6
21	14779	8-OCT-1996 0	103
22	14844P	9-OCT-1996 0	101
23	14893	10-OCT-1996 0	97.6
24	14713	10-OCT-1996 0	103
25	14910	11-OCT-1996 0	95.5
26	14918	14-OCT-1996 0	94.5
27	14999	15-OCT-1996 0	95.5
28	14923	17-OCT-1996 0	98.8
29	14932	17-OCT-1996 0	98.2
30	14927	17-OCT-1996 0	96.0
31	14882	17-OCT-1996 0	102
32	14912	18-OCT-1996 0	102
33	14946	18-OCT-1996 0	107
34	14897	18-OCT-1996 0	107
35	14957	22-OCT-1996 0	104
36	14778	23-OCT-1996 0	98.2
37	102396DISS	23-OCT-1996 0	97.5
38	14976	24-OCT-1996 0	109
39	15093	25-OCT-1996 0	99.1
40	15085	25-OCT-1996 0	96.3

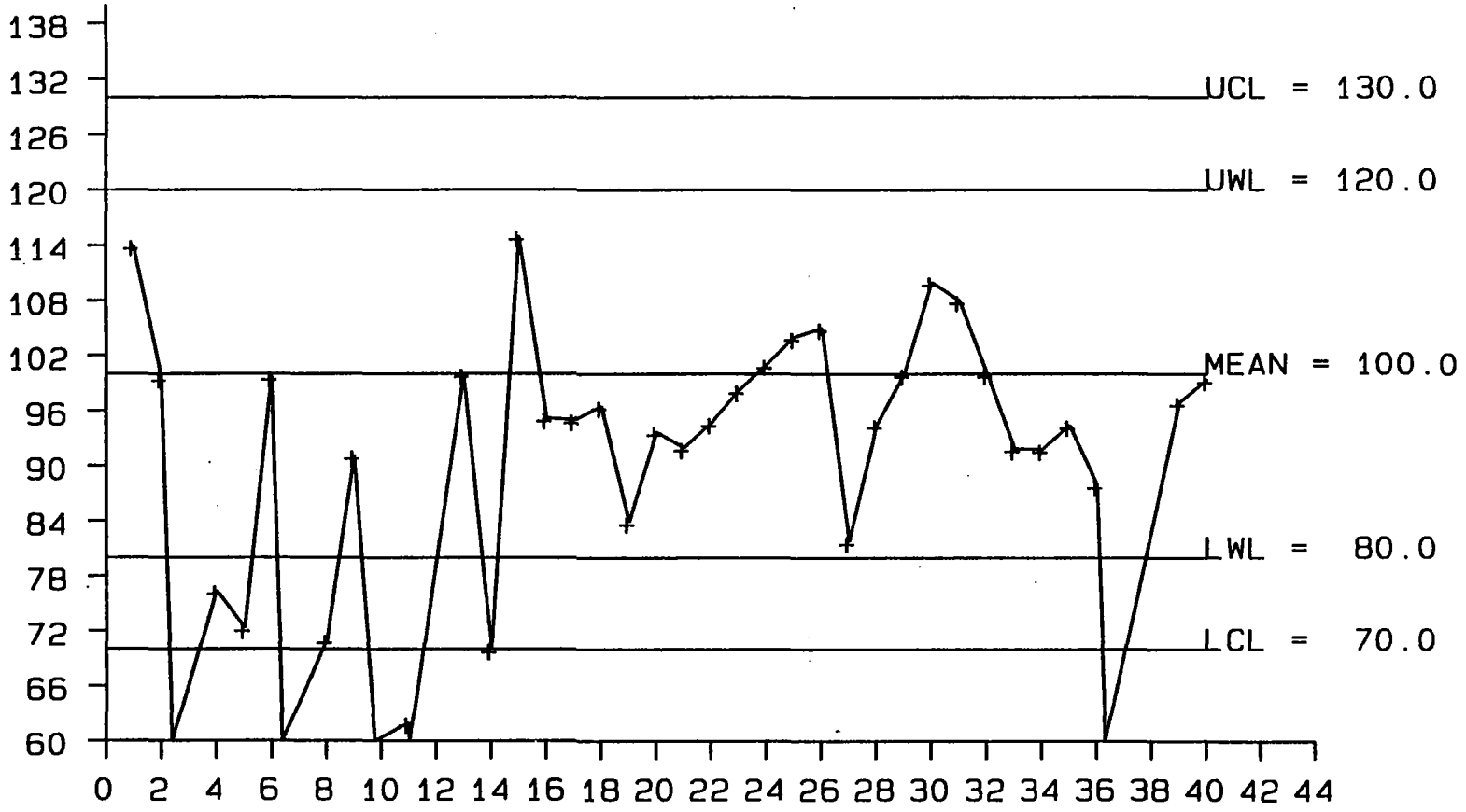

METALS_SW846_LIQUID Lead (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15: 45: 42.81
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_SW846_LIQUID Lead
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:45

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14685P	26-SEP-1996 0	115
2	14535P	26-SEP-1996 0	117
3	14711	27-SEP-1996 0	111
4	14704	27-SEP-1996 0	108
5	14722	27-SEP-1996 0	109
6	14731	27-SEP-1996 0	101
7	14723	27-SEP-1996 0	110
8	14742	1-OCT-1996 0	103
9	14743	1-OCT-1996 0	98.4
10	14758	4-OCT-1996 0	92.8
11	14771	5-OCT-1996 0	104
12	14713	6-OCT-1996 0	103
13	14779	8-OCT-1996 0	102
14	14844P	9-OCT-1996 0	103
15	14893	10-OCT-1996 0	99.6
16	14753	10-OCT-1996 0	119
17	14899	11-OCT-1996 0	98.4
18	14900	11-OCT-1996 0	96.8
19	14914	12-OCT-1996 0	107
20	14918	14-OCT-1996 0	96.0
21	14915	15-OCT-1996 0	92.3
22	14999	15-OCT-1996 0	94.0
23	14909	16-OCT-1996 0	104
24	14934	17-OCT-1996 0	97.5
25	14882	17-OCT-1996 0	101
26	14882P	17-OCT-1996 0	101
27	14940	18-OCT-1996 0	105
28	14938	18-OCT-1996 0	97.9
29	14893P	18-OCT-1996 0	92.8
30	14912	18-OCT-1996 0	99.1
31	14947	18-OCT-1996 0	105
32	14951	21-OCT-1996 0	104
33	14961	22-OCT-1996 0	103
34	14951P	22-OCT-1996 0	107
35	14916	23-OCT-1996 0	102
36	14947P	23-OCT-1996 0	104
37	14778	23-OCT-1996 0	100
38	14976	24-OCT-1996 0	111
39	15017	25-OCT-1996 0	105
40	15085	25-OCT-1996 0	96.5

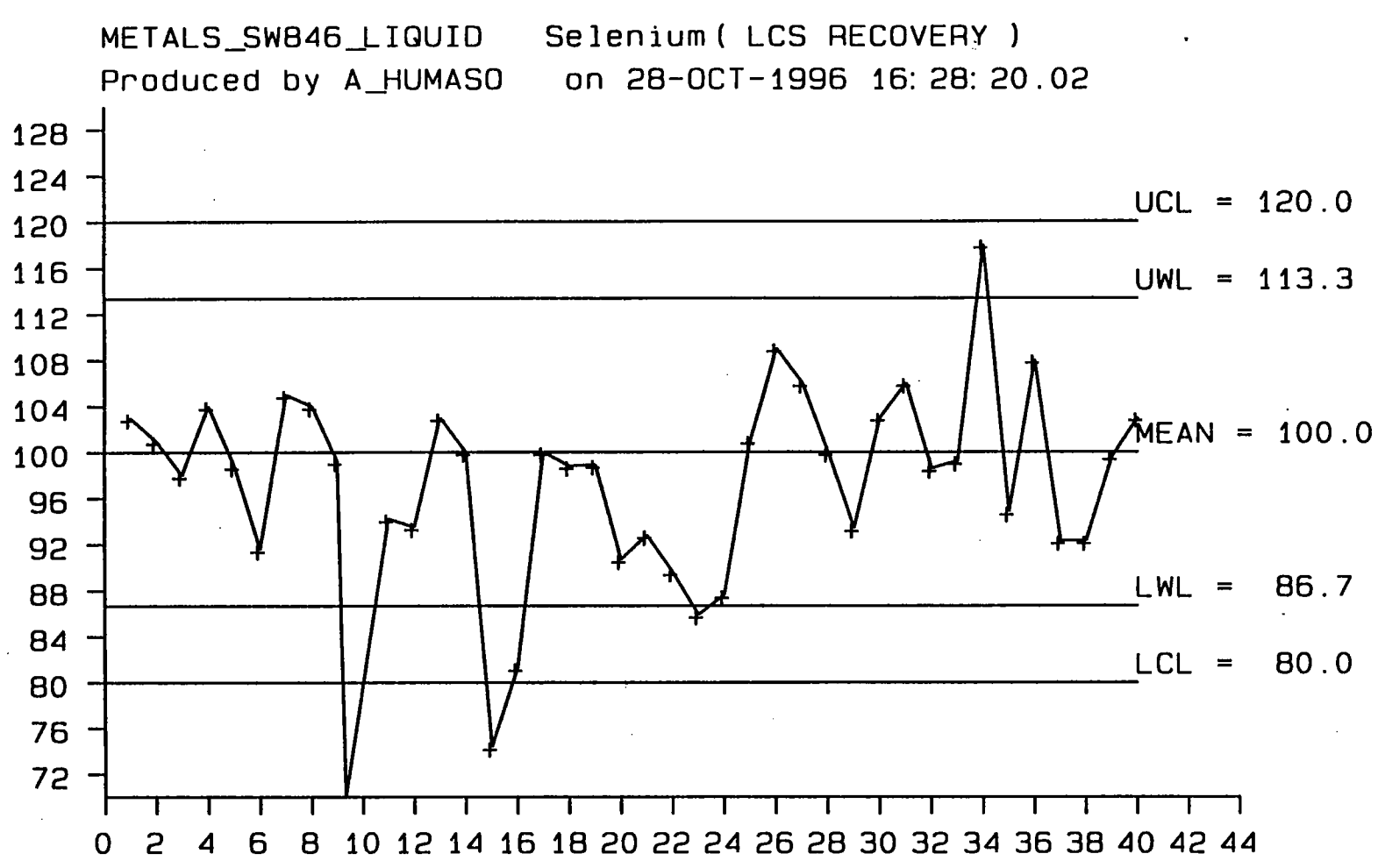
METALS_SW846_LIQUID Antimony (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 16:36:08.83



Data Points for: METALS_SW846_LIQUID Antimony
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 16:36

Current Control Limits
(70.0 - 130.0)

Point	Batch Number	Date Analyzed	Value (%)
1	13978	8-JUL-1996 0	114
2	13966C	11-JUL-1996 0	99.6
3	14092	13-JUL-1996 0	0.0
4	14132	18-JUL-1996 0	76.4
5	14137	20-JUL-1996 0	72.3
6	14089	21-JUL-1996 0	99.7
7	14103	22-JUL-1996 0	0.0
8	14166	22-JUL-1996 0	71.0
9	14178	25-JUL-1996 0	91.1
10	14068	30-JUL-1996 0	50.5
11	14201	5-AUG-1996 0	62.0
12	14235	5-AUG-1996 0	9.5
13	14286	5-AUG-1996 0	100
14	14227	7-AUG-1996 0	70.0
15	14236	8-AUG-1996 0	115
16	14245	8-AUG-1996 0	95.2
17	14304	14-AUG-1996 0	95.0
18	14311	16-AUG-1996 0	96.5
19	14276	16-AUG-1996 0	83.9
20	14389	19-AUG-1996 0	93.7
21	14335	22-AUG-1996 0	92.0
22	14351	22-AUG-1996 0	94.7
23	14323	23-AUG-1996 0	98.2
24	14458	25-AUG-1996 0	101
25	14430	25-AUG-1996 0	104
26	14440	26-AUG-1996 0	105
27	14469	27-AUG-1996 0	81.8
28	14509	6-SEP-1996 0	94.5
29	14535	9-SEP-1996 0	100
30	14685	26-SEP-1996 0	110
31	14704	27-SEP-1996 0	108
32	14689	29-SEP-1996 0	100
33	14743	1-OCT-1996 0	91.9
34	14756	6-OCT-1996 0	91.8
35	14769	8-OCT-1996 0	94.4
36	14727	15-OCT-1996 0	87.9
37	14927	17-OCT-1996 0	0.0
38	14893	18-OCT-1996 0	0.0
39	14912	18-OCT-1996 0	96.9
40	14962	22-OCT-1996 0	99.4

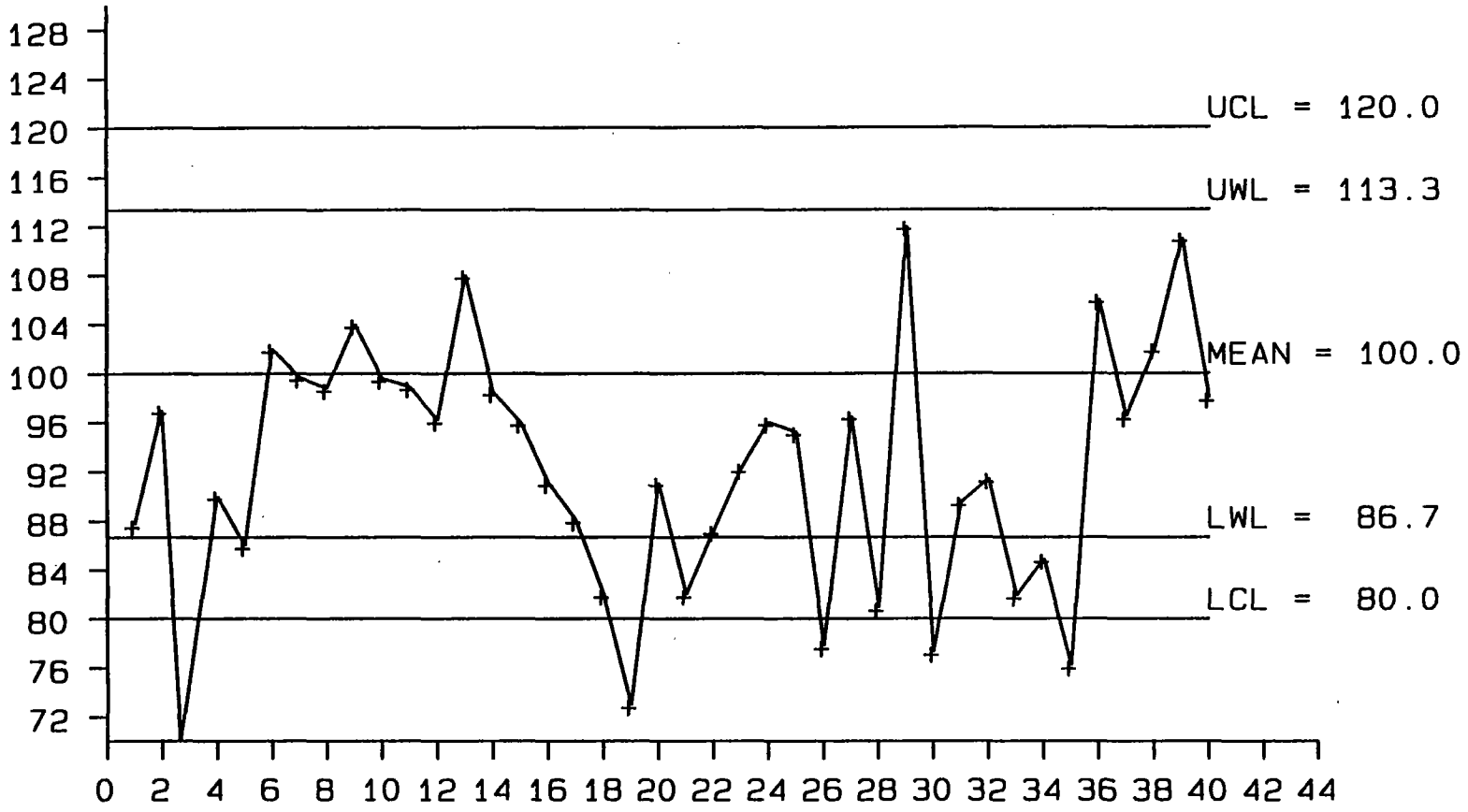

METALS_SW846_LIQUID Selenium(LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 16:28:20.02
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44

Data Points for: METALS_SW846_LIQUID Selenium
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 16:28

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	13818	10-JUN-1996 0	103
2	13836	11-JUN-1996 0	101
3	13806	11-JUN-1996 0	98.0
4	13837	17-JUN-1996 0	104
5	13883	21-JUN-1996 0	98.8
6	13900	24-JUN-1996 0	91.6
7	13916P	25-JUN-1996 0	105
8	13916	30-JUN-1996 0	104
9	13978	11-JUL-1996 0	99.2
10	14098	12-JUL-1996 0	9.2
11	14130	17-JUL-1996 0	94.2
12	14172	24-JUL-1996 0	93.5
13	14184E	26-JUL-1996 0	103
14	14161E	27-JUL-1996 0	100
15	14068	30-JUL-1996 0	74.4
16	14286	5-AUG-1996 0	81.3
17	14227	7-AUG-1996 0	100
18	14238	7-AUG-1996 0	98.8
19	14238P	7-AUG-1996 0	98.9
20	14311	13-AUG-1996 0	90.7
21	14304	14-AUG-1996 0	92.8
22	14323	20-AUG-1996 0	89.6
23	14351	21-AUG-1996 0	85.9
24	14335	21-AUG-1996 0	87.6
25	14402	25-AUG-1996 0	101
26	14427P	25-AUG-1996 0	109
27	14489	30-AUG-1996 0	106
28	14535	9-SEP-1996 0	100
29	14712	26-SEP-1996 0	93.4
30	14685	26-SEP-1996 0	103
31	14535P	26-SEP-1996 0	106
32	14704	27-SEP-1996 0	98.6
33	14699	30-SEP-1996 0	99.2
34	14753	10-OCT-1996 0	118
35	14713	10-OCT-1996 0	94.8
36	14909	16-OCT-1996 0	108
37	14927	17-OCT-1996 0	92.3
38	14927P	17-OCT-1996 0	92.3
39	14900	18-OCT-1996 0	99.6
40	14916	23-OCT-1996 0	103

METALS_SW846_LIQUID Thallium (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15:48:05.94

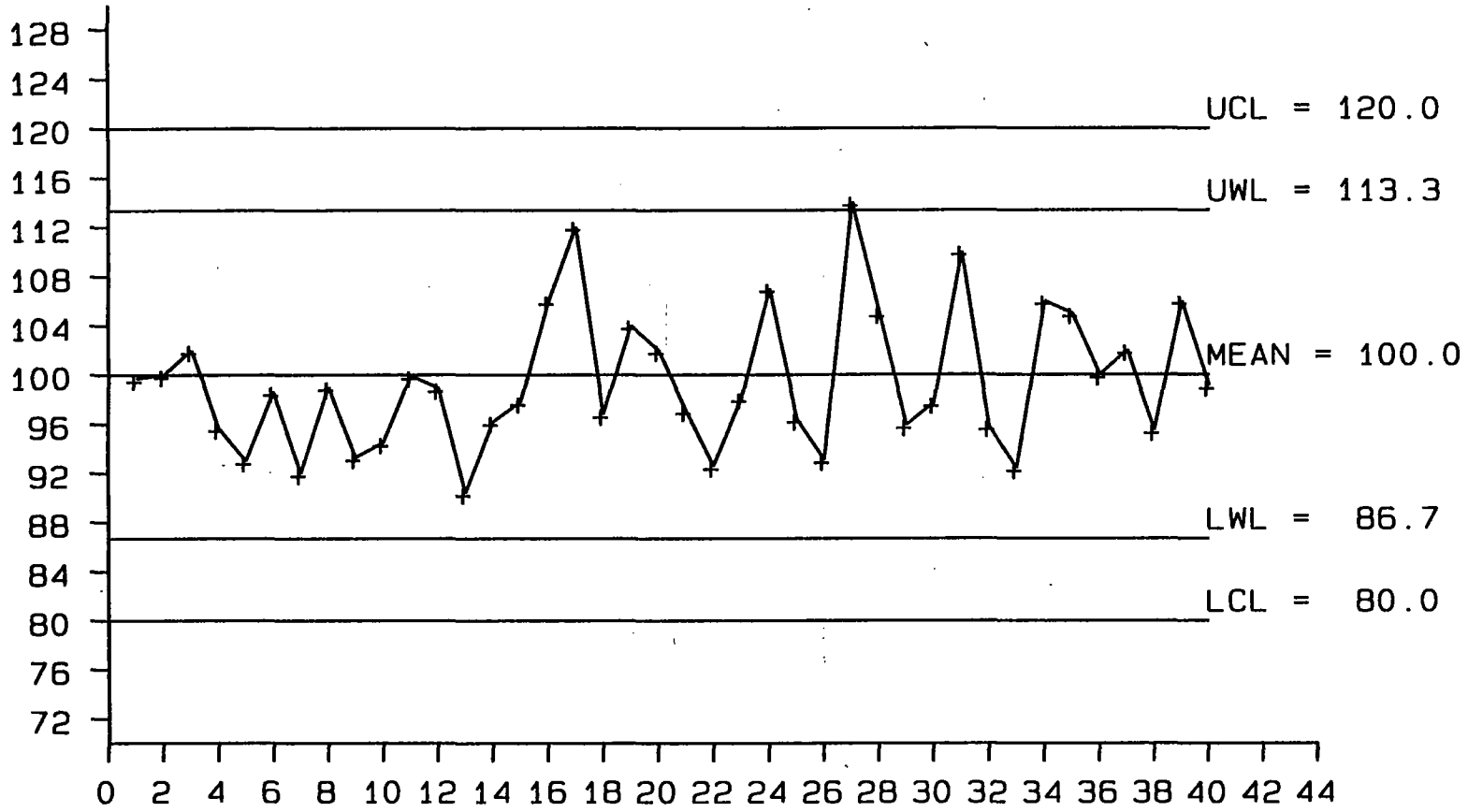


Data Points for: METALS_SW846_LIQUID Thallium
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:48

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14172	24-JUL-1996 0	87.7
2	14190	28-JUL-1996 0	97.0
3	14068	30-JUL-1996 0	55.5
4	14235	5-AUG-1996 0	90.0
5	14286	5-AUG-1996 0	86.0
6	14222	7-AUG-1996 0	102
7	14238	7-AUG-1996 0	99.7
8	14245	8-AUG-1996 0	98.8
9	14252	9-AUG-1996 0	104
10	14253	9-AUG-1996 0	99.6
11	14267	13-AUG-1996 0	98.9
12	14275	14-AUG-1996 0	96.2
13	14304	14-AUG-1996 0	108
14	14323	16-AUG-1996 0	98.5
15	14311	16-AUG-1996 0	96.0
16	14389	19-AUG-1996 0	91.1
17	14398	21-AUG-1996 0	88.1
18	14351	22-AUG-1996 0	82.0
19	14335	22-AUG-1996 0	73.0
20	14274	25-AUG-1996 0	91.1
21	14430	25-AUG-1996 0	82.0
22	14458	25-AUG-1996 0	87.2
23	14440	26-AUG-1996 0	92.2
24	14383	27-AUG-1996 0	96.0
25	14473	28-AUG-1996 0	95.2
26	14518	7-SEP-1996 0	77.8
27	14541	12-SEP-1996 0	96.5
28	14577	19-SEP-1996 0	80.9
29	14574	26-SEP-1996 0	112
30	14713	26-SEP-1996 0	77.3
31	14712	27-SEP-1996 0	89.5
32	14711	27-SEP-1996 0	91.4
33	14699	28-SEP-1996 0	81.9
34	14722	30-SEP-1996 0	84.9
35	14743	1-OCT-1996 0	76.2
36	14753	5-OCT-1996 0	106
37	14893	10-OCT-1996 0	96.5
38	14912	18-OCT-1996 0	102
39	14976	24-OCT-1996 0	111
40	15085	25-OCT-1996 0	98.0

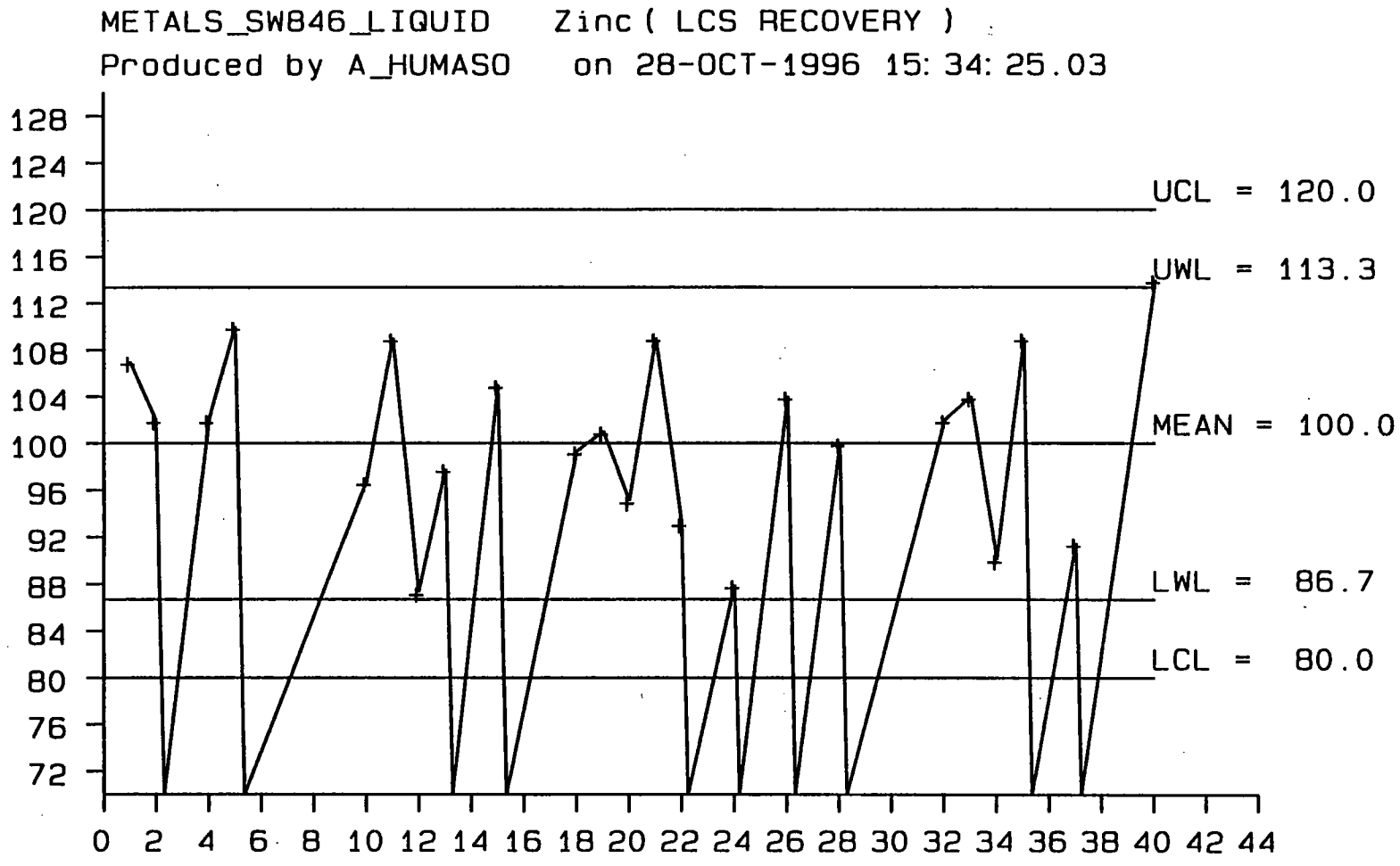
METALS_SW846_LIQUID Vanadium (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 16:05:46.24



Data Points for: METALS_SW846_LIQUID Vanadium
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 16:08

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14267	13-AUG-1996 0	99.7
2	14304	14-AUG-1996 0	100
3	14323	16-AUG-1996 0	102
4	14389	19-AUG-1996 0	95.7
5	14351	21-AUG-1996 0	93.0
6	14398	21-AUG-1996 0	98.6
7	14335	22-AUG-1996 0	92.0
8	14402	23-AUG-1996 0	99.0
9	14430	24-AUG-1996 0	93.3
10	14458	25-AUG-1996 0	94.5
11	14440	26-AUG-1996 0	99.9
12	14383	27-AUG-1996 0	98.9
13	14469	27-AUG-1996 0	90.4
14	14473	28-AUG-1996 0	96.2
15	14489	30-AUG-1996 0	97.8
16	14500	3-SEP-1996 0	106
17	14535	9-SEP-1996 0	112
18	14544	11-SEP-1996 0	96.8
19	14535P	12-SEP-1996 0	104
20	14547	12-SEP-1996 0	102
21	14574	17-SEP-1996 0	97.1
22	14699	25-SEP-1996 0	92.6
23	14713	26-SEP-1996 0	98.1
24	14685	26-SEP-1996 0	107
25	14704	26-SEP-1996 0	96.4
26	14712	26-SEP-1996 0	93.1
27	14711	27-SEP-1996 0	114
28	14722	27-SEP-1996 0	105
29	14774	6-OCT-1996 0	95.9
30	14771	6-OCT-1996 0	97.7
31	14753	8-OCT-1996 0	110
32	14910	11-OCT-1996 0	95.8
33	14923	17-OCT-1996 0	92.4
34	14897	18-OCT-1996 0	106
35	14946	18-OCT-1996 0	105
36	14912	18-OCT-1996 0	100
37	14957	22-OCT-1996 0	102
38	14778	23-OCT-1996 0	95.5
39	14976	24-OCT-1996 0	106
40	15085	25-OCT-1996 0	99.1


METALS_SW846_LIQUID Zinc (LCS RECOVERY)
Produced by A_HUMASO on 28-OCT-1996 15:34:25.03
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124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_SW846_LIQUID Zinc
Chart Type: LCS RECOVERY
Generated on: 28-OCT-1996 15:34

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	14574	26-SEP-1996 0	107
2	14713	26-SEP-1996 0	102
3	14723	27-SEP-1996 0	0.0
4	14712	27-SEP-1996 0	102
5	14722	27-SEP-1996 0	110
6	14685P	29-SEP-1996 0	0.0
7	14551	29-SEP-1996 0	0.0
8	14689	29-SEP-1996 0	0.0
9	14562	29-SEP-1996 0	0.0
10	14743	1-OCT-1996 0	96.7
11	14753	5-OCT-1996 0	109
12	14771	6-OCT-1996 0	87.3
13	14575	8-OCT-1996 0	97.8
14	14751	8-OCT-1996 0	0.0
15	14779	8-OCT-1996 0	105
16	14756	8-OCT-1996 0	0.0
17	14769	9-OCT-1996 0	0.0
18	1008601001	9-OCT-1996 0	99.3
19	14893	10-OCT-1996 0	101
20	14900	11-OCT-1996 0	95.1
21	14914	12-OCT-1996 0	109
22	14918	14-OCT-1996 0	93.2
23	14727	15-OCT-1996 0	0.0
24	14915	15-OCT-1996 0	87.9
25	14932	17-OCT-1996 0	0.0
26	14880P	17-OCT-1996 0	104
27	14927P	17-OCT-1996 0	0.0
28	14882	17-OCT-1996 0	100
29	14929	17-OCT-1996 0	0.0
30	14940	18-OCT-1996 0	0.0
31	14962	22-OCT-1996 0	0.0
32	14961	22-OCT-1996 0	102
33	14897	22-OCT-1996 0	104
34	14916	23-OCT-1996 0	90.1
35	14976	24-OCT-1996 0	109
36	14763	24-OCT-1996 0	0.0
37	15084	25-OCT-1996 0	91.5
38	15017	25-OCT-1996 0	0.0
39	15082	25-OCT-1996 0	0.0
40	14946	26-OCT-1996 0	114

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METALS DATA

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COVER PAGE

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CP
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Inchcape Testing Services SDG No.: 10809

EPA Sample No.	Lab Sample ID.
MWOOOR	10809-1
FINWZ	10809-3
RFMW15	10809-4
W115F	10809-5
10729-1	10729-1
10729-1D	10729-1D
10729-1MS	10729-1MS
10729-1MSD	10729-1MSD
10556-1	10556-1
10556-1D	10556-1D
10556-1MS	10556-1MS
10556-1MSD	10556-1MSD

Were ICP interelement corrections applied? Yes/No Yes

Were ICP backgrounds 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 diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Gregory K. Horton Name: Gregory K. Horton
Date: 11-27-96 Title: Data Review

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Fax. 214-238-5592

SAMPLE DATA

U.S. EPA

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MWOOOR

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Matrix (soil/water): WATER Lab Sample ID: 10809-1

Level (low/med): LOW Date Received: 09/27/96

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	<2.57			F
7440-38-2	Arsenic	29.0			F
7440-39-3	Barium	265			P
7440-41-7	Beryllium	0.0574			P
7440-43-9	Cadmium	<0.09			F
7440-70-2	Calcium				
7440-47-3	Chromium	<8.5			P
7440-48-4	Cobalt	25.3			P
7440-50-8	Copper	< 0.9			P
7439-89-6	Iron				
7439-92-1	Lead	<1.49			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.18			AV
7440-02-0	Nickel	32.5			P
7440-09-7	Potassium				
7782-49-2	Selenium	<3.39			F
7440-22-4	Silver	< 0.36			P
7440-23-5	Sodium				
7440-28-0	Thallium	<0.74			F
7440-62-2	Vanadium	197			P
7440-66-6	Zinc	11.9			P
	Cyanide				
	Tin	202			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

573

574

Alt 1/14/

U.S. EPA

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FINWZ

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Matrix (soil/water): WATER Lab Sample ID: 10809-3

Level (low/med): LOW Date Received: 09/27/96

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	<2.57			F
7440-38-2	Arsenic	4.3			F
7440-39-3	Barium	531			P
7440-41-7	Beryllium	<2.4			P
7440-43-9	Cadmium	<0.09			F
7440-70-2	Calcium				
7440-47-3	Chromium	<8.5			P
7440-48-4	Cobalt	47.7			P
7440-50-8	Copper	< 0.9			P
7439-89-6	Iron				
7439-92-1	Lead	<1.49			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	<0.10			AV
7440-02-0	Nickel	5.08			P
7440-09-7	Potassium				
7782-49-2	Selenium	<3.39			F
7440-22-4	Silver	< 0.36			P
7440-23-5	Sodium				
7440-28-0	Thallium	<0.74			F
7440-62-2	Vanadium	3.0			P
7440-66-6	Zinc	10.2			P
	Cyanide				
	Tin	400			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

575

U.S. EPA

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

RFMW15

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Matrix (soil/water): WATER Lab Sample ID: 10809-4

Level (low/med): LOW Date Received: 09/27/96

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	<2.57			F
7440-38-2	Arsenic	2.6			F
7440-39-3	Barium	167			P
7440-41-7	Beryllium	<2.4			P
7440-43-9	Cadmium	<0.09			F
7440-70-2	Calcium				
7440-47-3	Chromium	<8.5			P
7440-48-4	Cobalt	85.1			P
7440-50-8	Copper	9.51			P
7439-89-6	Iron				
7439-92-1	Lead	6.45			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	<0.10			AV
7440-02-0	Nickel	< 1.7			P
7440-09-7	Potassium				
7782-49-2	Selenium	<3.39			F
7440-22-4	Silver	< 0.36			P
7440-23-5	Sodium				
7440-28-0	Thallium	<0.74			F
7440-62-2	Vanadium	< 0.62			P
7440-66-6	Zinc	19.0			P
	Cyanide				
	Tin	591			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

576

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

W115F

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Matrix (soil/water): WATER Lab Sample ID: 10809-5

Level (low/med): LOW Date Received: 09/27/96

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	<2.57			F
7440-38-2	Arsenic	1.4			F
7440-39-3	Barium	176			P
7440-41-7	Beryllium	<2.4			P
7440-43-9	Cadmium	0.67			F
7440-70-2	Calcium				
7440-47-3	Chromium	<8.5			P
7440-48-4	Cobalt	99.1			P
7440-50-8	Copper	20.0			P
7439-89-6	Iron				
7439-92-1	Lead	7.35			F
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	<0.10			AV
7440-02-0	Nickel	20.9			P
7440-09-7	Potassium				
7782-49-2	Selenium	<3.39			F
7440-22-4	Silver	< 0.36			P
7440-23-5	Sodium				
7440-28-0	Thallium	<0.74			F
7440-62-2	Vanadium	< 0.62			P
7440-66-6	Zinc	25.3			P
	Cyanide				
	Tin	599			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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Forms by WindowChem(707)864-0845;p/n11014,v3.0,1/1/96

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 214-238-5591
Fax. 214-238-5592

QUALITY CONTROL DATA

U.S. EPA
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony	40.0	38.90	97.3	50.0	51.60	103.2	48.90	97.8	F
Arsenic	40.0	39.60	99.0	25.0	24.90	99.6	23.80	95.2	F
Barium	10000.0	10033.00	100.3	10000.0	9973.01	99.7	10015.34	100.2	P
Beryllium									
Cadmium	6.0	5.66	94.3	5.0	4.94	98.8	4.85	97.0	F
Calcium									
Chromium	10000.0	9996.00	100.0	10000.0	10095.00	101.0	10120.00	101.2	P
Cobalt									
Copper									
Iron									
Lead	20.0	20.95	104.8	30.0	29.78	99.3	28.71	95.7	F
Magnesium									
Manganese									
Mercury	2.5	2.48	99.2	3.0	2.62	87.3	2.94	98.0	AV
Nickel	10000.0	10121.00	101.2	10000.0	10181.69	101.8	10189.70	101.9	P
Potassium									
Selenium	20.0	19.10	95.5	25.0	23.30	93.2	20.40	81.6	F
Silver									
Sodium									
Thallium	40.0	39.10	97.8	25.0	24.60	98.4	24.10	96.4	F
Vanadium									
Zinc									
Cyanide									
Tin	400.0	419.22	104.8	400.0	417.27	104.3	434.99	108.7	P

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115
(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

Forms by WindowChem(707)864-0845;p/n11014.v3.0.1/1/96

U.S. EPA
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony				50.0	46.40	92.8	46.40	92.8	F
Arsenic				25.0	26.30	105.2	26.50	106.0	F
Barium				10000.0	9985.28	99.9	9978.17	99.8	P
Beryllium									
Cadmium				5.0	6.00	120.0	4.99	99.8	F
Calcium									
Chromium				10000.0	10276.00	102.8	10185.00	101.9	P
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury				3.0	2.95	98.3	2.92	97.3	AV
Nickel				10000.0	10163.95	101.6	10134.08	101.3	P
Potassium									
Selenium				25.0	20.20	80.8	21.20	84.8	F
Silver									
Sodium									
Thallium				25.0	23.50	94.0	24.60	98.4	F
Vanadium									
Zinc									
Cyanide									
Tin				400.0	424.85	106.2	416.12	104.0	P

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115
(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony				50.0	47.70	95.4	49.80	99.6	F
Arsenic									
Barium				10000.0	9966.19	99.7	10016.67	100.2	P
Beryllium									
Cadmium				5.0	5.63	112.6	5.47	109.4	F
Calcium									
Chromium				10000.0	10411.00	104.1	10338.00	103.4	P
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel				10000.0	10177.07	101.8	10344.42	103.4	P
Potassium									
Selenium				25.0	21.70	86.8	21.00	84.0	F
Silver									
Sodium									
Thallium				25.0	26.00	104.0	25.70	102.8	F
Vanadium									
Zinc									
Cyanide									
Tin									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115
(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony				50.0	50.40	100.8	46.00	92.0	F
Arsenic									
Barium				10000.0	9951.38	99.5	10009.48	100.1	P
Beryllium									
Cadmium				5.0	5.68	113.6	5.75	115.0	F
Calcium									
Chromium				10000.0	10244.00	102.4	9258.00	92.6	P
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel				10000.0	10221.77	102.2	10471.95	104.7	P
Potassium									
Selenium				25.0	22.40	89.6	20.00	80.0	F
Silver									
Sodium									
Thallium				25.0	25.40	101.6	23.50	94.0	F
Vanadium									
Zinc									
Cyanide									
Tin									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115
(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

Forms by WindowChem(707)864-0845;p/n11014.v3 0;1/1/96

U.S. EPA

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium				10000.0	10002.39	100.0	9770.03	97.7	P
Beryllium									
Cadmium									
Calcium									
Chromium				10000.0	9717.00	97.2	9784.00	97.8	P
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel				10000.0	10376.61	103.8	10311.53	103.1	P
Potassium									
Selenium				25.0	22.00	88.0	22.70	90.8	F
Silver									
Sodium									
Thallium				25.0	24.10	96.4	23.60	94.4	F
Vanadium									
Zinc									
Cyanide									
Tin									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115

(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

Forms by WindowChem(707)864-0845;p/n11014;v3.0,1/1/96

U.S. EPA

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium				10000.0	9711.00	97.1			P
Beryllium									
Cadmium									
Calcium									
Chromium				10000.0	10108.00	101.1			P
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel				10000.0	10127.00	101.3			P
Potassium									
Selenium									
Silver									
Sodium									
Thallium				25.0	24.60	98.4	25.50	102.0	F
Vanadium									
Zinc									
Cyanide									
Tin									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115

(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

Forms by WindowChem(707)864-0845,p/n11014:v3.0.1/1/96

U.S. EPA
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BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony	<2.57		<2.57		<2.57		<2.57		<2.57		F
Arsenic	1.7	B	<0.9		<0.9		<0.9		<0.9		F
Barium	3.6		2.4		2.5		2.4		6.137		P
Beryllium											
Cadmium	<0.09		<0.09		<0.09		<0.09		<0.09		F
Calcium											
Chromium	<8.5		<8.5		<8.5		<8.5		<8.5		P
Cobalt											
Copper											
Iron											
Lead	<1.49		<1.49		<1.49				<1.49		F
Magnesium											
Manganese											
Mercury	<0.10		<0.10		<0.10		<0.10		<0.10		AV
Nickel	< 1.7		< 1.7		< 1.7		< 1.7		2.671		P
Potassium											
Selenium	<3.39		<3.39		<3.39		<3.39		<3.39		F
Silver											
Sodium											
Thallium	<0.74		<0.74		<0.74		<0.74		<0.74		F
Vanadium											
Zinc											
Cyanide											
Tin	1.4	B	2.7	B	5.9		3.7	B	1.960	B	P

Forms by WindowChem(707)864-0845:p/n11014:v3.0;1/1/96

U.S. EPA
3
BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony			<2.57		<2.57		<2.57				F
Arsenic			1.7	B							F
Barium			2.8		3.5		4.9				P
Beryllium											
Cadmium			<0.09		<0.09		<0.09				F
Calcium											
Chromium			<8.5		<8.5		<8.5				P
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury			<0.10								AV
Nickel			< 1.7		5.7		5.3				P
Potassium											
Selenium			<3.39		<3.39		<3.39				F
Silver											
Sodium											
Thallium			<0.74		<0.74		<0.74				F
Vanadium											
Zinc											
Cyanide											
Tin			2.1	B							P

Forme by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA
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BLANKS

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony			<2.57		<2.57						F
Arsenic											
Barium			4.2		6.5		5.7				P
Beryllium											
Cadmium			<0.09		<0.09						F
Calcium											
Chromium			<8.5		<8.5		<8.5				P
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel			< 1.7		< 1.7		< 1.7				P
Potassium											
Selenium			<3.39		<3.39		<3.39				F
Silver											
Sodium											
Thallium			<0.74		<0.74		<0.74				F
Vanadium											
Zinc											
Cyanide											

Forms by WindowChem(707)864-0845;p/n11014;v3.0,1/1/96

U.S. EPA
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BLANKS

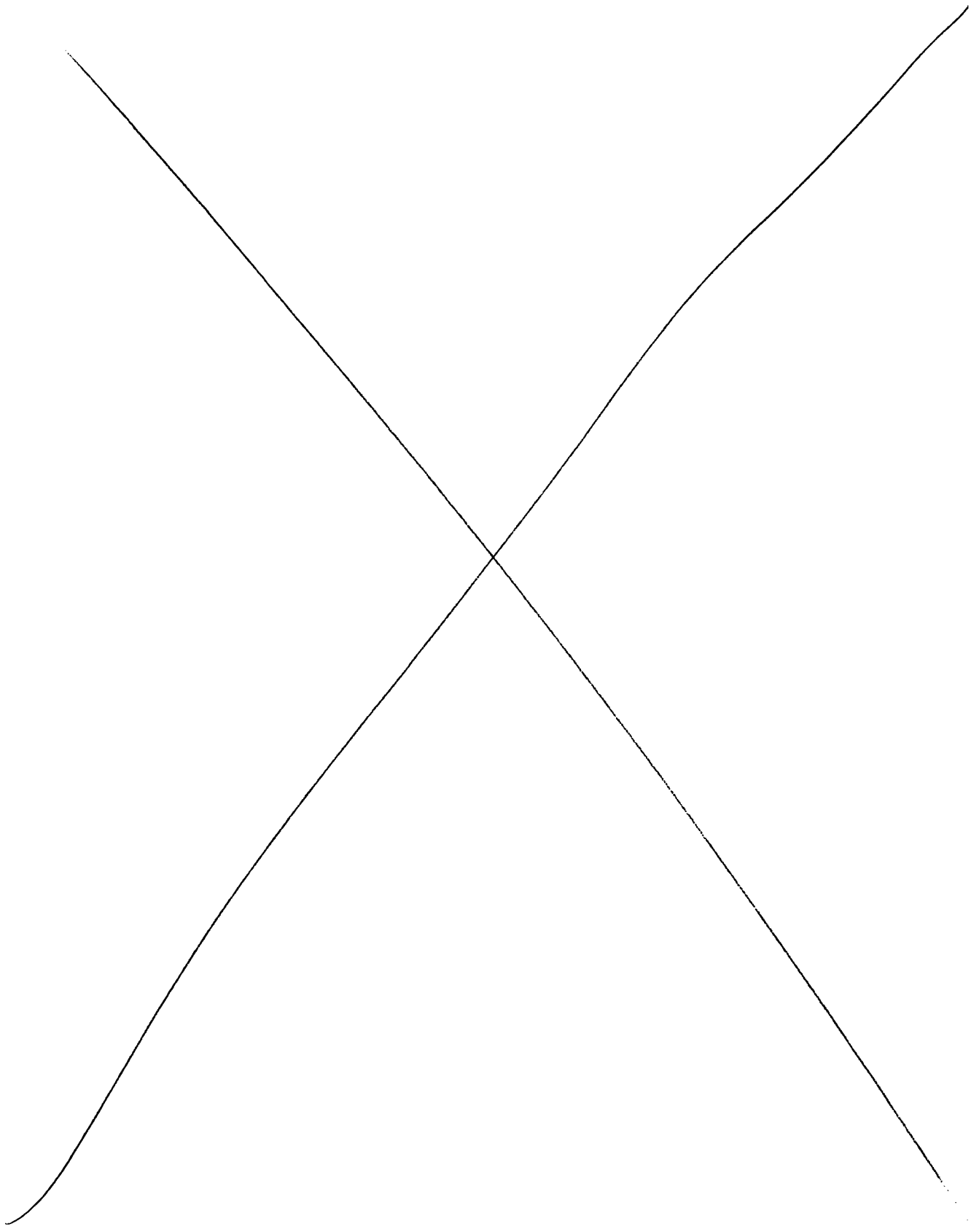
Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium			5.7		11.5						P
Beryllium											
Cadmium											
Calcium											
Chromium			<8.5		<8.5						P
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel			< 1.7		7.2						P
Potassium											
Selenium			<3.39								F
Silver											
Sodium											
Thallium			<0.74		<0.74		<0.74				F
Vanadium											
Zinc											
Cyanide											



U.S. EPA

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Initial Calibration Source: INORGANIC VENTURE

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium				10000.0	10188.42	101.9			P
Cadmium									
Calcium									
Chromium									
Cobalt				10000.0	10289.19	102.9			P
Copper				10000.0	10201.11	102.0			P
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver				10000.0	10102.75	101.0			P
Sodium									
Thallium									
Vanadium				10000.0	10264.54	102.6			P
Zinc				10000.0	10407.03	104.1			P
Cyanide									

(1) ICV Control Limits: All Metals 90-110; Cyanide 85-115

(2) CCV Control Limits: ICP 90-110; AA Metals 80-120

Forms by WindowChem(707)864-0845:p/n11014;v3.0:1/1/96

U.S. EPA
3
BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony	<2.57		<2.57		<2.57		<2.57		<2.57		F
Arsenic	1.7	B	<0.9		<0.9		<0.9		<0.9		F
Barium	3.6		2.4		2.5		2.4		6.137		P
Beryllium											
Cadmium	<0.09		<0.09		<0.09		<0.09		<0.09		F
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead	<1.49		<1.49		<1.49				<1.49		F
Magnesium											
Manganese											
Mercury	<0.10		<0.10		<0.10		<0.10		<0.10		AV
Nickel	< 1.7		< 1.7		< 1.7		< 1.7		2.671		P
Potassium											
Selenium	<3.39		<3.39		<3.39		<3.39		<3.39		F
Silver											
Sodium											
Thallium	<0.74		<0.74		<0.74		<0.74		<0.74		F
Vanadium											
Zinc											
Cyanide											
Tin	1.4	B	2.7	B	5.9		3.7	B	1.960	B	P

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA
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BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony			<2.57		<2.57		<2.57				F
Arsenic			1.7	B							F
Barium			2.8		3.5		4.9				P
Beryllium											
Cadmium			<0.09		<0.09		<0.09				F
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury			<0.10								AV
Nickel			< 1.7		5.7		5.3				P
Potassium											
Selenium			<3.39		<3.39		<3.39				F
Silver											
Sodium											
Thallium			<0.74		<0.74		<0.74				F
Vanadium											
Zinc											
Cyanide											
Tin			2.1	B							P

U.S. EPA
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BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony			<2.57		<2.57						F
Arsenic											
Barium			4.2		6.5		5.7				P
Beryllium											
Cadmium			<0.09		<0.09						F
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel			< 1.7		< 1.7		< 1.7				P
Potassium											
Selenium			<3.39		<3.39		<3.39				F
Silver											
Sodium											
Thallium			<0.74		<0.74		<0.74				F
Vanadium											
Zinc											
Cyanide											

U.S. EPA
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BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium			5.7		11.5		9.1				P
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel			< 1.7		7.2		< 1.7				P
Potassium											
Selenium			<3.39								F
Silver											
Sodium											
Thallium			<0.74		<0.74		<0.74				F
Vanadium											
Zinc											
Cyanide											

U.S. EPA
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BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium			10.6		7.2						P
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel			2.1		< 1.7						P
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Vanadium											
Zinc											
Cyanide											

U.S. EPA
3
BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic	1.7	B	1.6	B	<0.9						F
Barium											
Beryllium	-0.1		0.3		-0.1		0.7		0.144		P
Cadmium											
Calcium											
Chromium											
Cobalt	3.5		< 1.5		6.9		1.7		6.507		P
Copper	< 0.9		< 0.9		5.4		< 0.9		2.524		P
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver	1.5		51.1		12.5		19.3		3.102		P
Sodium											
Thallium											
Vanadium	17.8		3.3		5.5		< 0.62		2.208		P
Zinc	8.9		7.8		3.8		29.8		< 2.2		P
Cyanide											

U.S. EPA
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BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium			-2.5		-1.4		0.5				P
Cadmium											
Calcium											
Chromium											
Cobalt			4.5		4.2		4.3				P
Copper			13.1		< 0.9		< 0.9				P
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver			< 0.36		< 0.36		< 0.36				P
Sodium											
Thallium											
Vanadium			< 0.62		< 0.62		1.1				P
Zinc			7.4		< 2.2		< 2.2				P
Cyanide											

U.S. EPA
3
BLANKS

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium			0.2		-0.1		-0.3				P
Cadmium											
Calcium											
Chromium											
Cobalt			4.5		3.8		2.9				P
Copper			1.4		< 0.9		< 0.9				P
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver			3.2		< 0.36		1.1				P
Sodium											
Thallium											
Vanadium			2.8		2.2		4.0				P
Zinc			10.7		< 2.2		< 2.2				P
Cyanide											

U.S. EPA

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_1 ICS Source: HIGH PURITY

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	492323	492151.6	98.4	473933	474267.8	94.9
Antimony								
Arsenic								
Barium		500		500.5	100.1		491.6	98.3
Beryllium								
Cadmium								
Calcium								
Chromium		500					484.0	96.8
Cobalt								
Copper								
Iron	200000	200000	179310	179170.7	89.6	179815	178447.8	89.2
Lead								
Magnesium	500000	500000	475878	475763.4	95.2	458905	456973.6	91.4
Manganese								
Mercury								
Nickel		1000		934.8	93.5		944.9	94.5
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

Forms by WindowChem(707)864-0845;p/n11014;v3.0.1/1/96

U.S. EPA

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_1 ICS Source: HIGH PURITY

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	503253	483992.1	96.8	496722	504932.4	101.0
Antimony								
Arsenic								
Barium								
Beryllium		500		470.6	94.1		491.5	98.3
Cadmium								
Calcium								
Chromium								
Cobalt		500		515.2	103.0		530.3	106.1
Copper		500		466.4	93.3		484.6	96.9
Iron	200000	200000	181411	173978.9	87.0	182544	183121.8	91.6
Lead								
Magnesium	500000	500000	485848	466702.4	93.3	475596	483814.1	96.8
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver		1000		932.0	93.2		976.0	97.6
Sodium								
Thallium								
Vanadium		500		548.0	109.6		502.6	100.5
Zinc		1000		1177.6	117.8		1030.7	103.1

U.S. EPA

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_2 ICS Source: HIGH PURITY

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	507550	512170.0	102.4	525580	527800.0	105.6
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium	500000	500000	486450	491180.0	98.2	498480	499070.0	99.8
Chromium								
Cobalt								
Copper								
Iron	200000	200000	179480	180880.0	90.4	181120	181630.0	90.8
Lead								
Magnesium	500000	500000	495700	499110.0	99.8	503170	503850.0	100.8
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								
Tin		400		328.7	82.2		326.5	81.6

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10556-1MS

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium	75-125	10016.0694		<2.4		10000.00	100.2		P
Cadmium									
Calcium									
Chromium									
Cobalt	75-125	10140.6395		<12.5		10000.00	101.4		P
Copper	75-125	10113.5283		<8.2		10000.00	101.1		P
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver	75-125	<4.9		<4.9			0.0	N	P
Sodium									
Thallium									
Vanadium	75-125	10107.6189		<11.9		10000.00	101.1		P
Zinc	75-125	10236.2318		649.0000		10000.00	95.9		P
Cyanide									
Tin									P

Comments:

U.S. EPA
5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
10556-1MSD

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium	75-125	9914.3394		<2.4		10000.00	99.1		P
Cadmium									
Calcium									
Chromium									
Cobalt	75-125	10057.1586		<12.5		10000.00	100.6		P
Copper	75-125	10059.1122		<8.2		10000.00	100.6		P
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver	75-125	<4.9		<4.9			0.0	N	P
Sodium									
Thallium									
Vanadium	75-125	10019.7761		<11.9		10000.00	100.2		P
Zinc	75-125	10084.1918		649.0000		10000.00	94.4		P
Cyanide									

Comments:

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10729-1MS

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium	75-125	1012.0000		160.0000		1000.00	85.2		P
Beryllium									
Cadmium									
Calcium									
Chromium		1052.0000		<8.5		1000.00	105.2		P
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel	75-125	1072.0000		<14.0		1000.00	107.2		P
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

Comments:

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA

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SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10729-1MSD

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium	75-125	1009.0000		160.0000		1000.00	84.9		P
Beryllium									
Cadmium									
Calcium									
Chromium		1046.0000		<8.5		1000.00	104.6		P
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel	75-125	1064.0000		<14.0		1000.00	106.4		P
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

Comments:

Forms by WindowChem(707)864-0845;p/n11014.v3 0.I/1/96

U.S. EPA
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SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

FINWZMS

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony	75-125	26.2000		<3.4		25.00	104.0		F
Arsenic	75-125	25.2000		4.3000		25.00	83.6		F
Barium									
Beryllium									
Cadmium	75-125	5.0900		<0.9		5.00	101.8		F
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	75-125	29.6000		<1.5		30.00	98.0		F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium	75-125								F
Silver									
Sodium									
Thallium	75-125	24.9000		<0.74		25.00	99.0		F
Vanadium									
Zinc									
Cyanide									
Tin	75-125	430.3300		<0.1		400.0	107.0		P

Comments:

U.S. EPA

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SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

FINWZMSD

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony	75-125	23.9000		<3.4		25.00	95.0		F
Arsenic	75-125	27.6000		4.3000		25.00	93.2		F
Barium									
Beryllium									
Cadmium	75-125	4.9800		<0.9		5.00	99.0		F
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	75-125	30.1500		<1.5		30.00	100.0		F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	75-125	25.2000		<0.74		25.00	100.0		F
Vanadium									
Zinc									
Cyanide									
Tin	75-125	424.5000		<0.1		400.0	106.0		P

Comments:

U.S. EPA

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

10780-1MS

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	80-120	1.0100		<0.1		1.00	101.0		AV
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									
Tin	75-125	424.5000		<0.1		400.0	106.0		P

Comments:

U.S. EPA
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SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
10780-1MSD

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR	C	Sample Result (SR	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	80-120	0.9850		<0.1		1.00	98.5		AV
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									
Tin	75-125	424.5000		<0.1		400.0	106.0		P

Comments:

U.S. EPA
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DUPLICATES

EPA SAMPLE NO.

10556-1MSD

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

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

% Solids for Sample: % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium		<2.4		<2.4		0.0		P
Cadmium								
Calcium								
Chromium								
Cobalt		<12.5		<12.5		0.0		P
Copper		<8.2		<8.2		0.0		P
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver		<4.9		<4.9		0.0		P
Sodium								
Thallium						0.0		P
Vanadium		<11.9		23.0000		NC		P
Zinc		649.0000		501.0000		25.7	*	P
Cyanide								
Tin		384.1500		400.0600		4.1		P

U.S. EPA
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DUPLICATES

EPA SAMPLE NO.

10729-1D

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

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

% Solids for Sample: _____ % Solids for Duplicate: _____

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic								
Barium		160.0000		159.0000		0.6		P
Beryllium								
Cadmium								
Calcium								
Chromium		<8.5		<8.5		0.0		P
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel		<14.0		<14.0		0.0		P
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								
Cyanide								
Tin								

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA
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DUPLICATES

EPA SAMPLE NO.

FINWZD

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

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

% Solids for Sample: _____ % Solids for Duplicate: _____

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony		<3.4		<3.4		0.0		F
Arsenic		4.3000		2.3000		60.6		F
Barium								
Beryllium								
Cadmium		<0.9		<0.9		0.0		F
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead		<1.5		<1.5		0.0		F
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium		<0.74		<0.74		0.0		F
Vanadium								
Zinc								
Cyanide								
Tin		400.0600		384.1500		4.1		P

U.S. EPA
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DUPLICATES

EPA SAMPLE NO.

10780-1D

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

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

% Solids for Sample: _____ % Solids for Duplicate: _____

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury		<0.1		<0.1		0.0		AV
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								
Cyanide								
Tin		400.0600		384.1500		4.1		P

U.S. EPA
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LABORATORY CONTROL SAMPLE

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Solid LCS Source: _____

Aqueous LCS Source: HIGH PURITY

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony	25.0	24.30	97.2						
Arsenic	25.0	25.30	101.2						
Barium	1000.0	1007.43	100.7						
Beryllium	10000.0	10040.39	100.4						
Cadmium	5.0	5.20	104.0						
Calcium									
Chromium	1000.0	1040.00	104.0						
Cobalt	10000.0	10197.27	102.0						
Copper	10000.0	10147.93	101.5						
Iron									
Lead	30.0	30.64	102.1						
Magnesium									
Manganese									
Mercury	1000.0	996.00	99.6						
Nickel	1000.0	1051.35	105.1						
Potassium									
Selenium	25.0	24.30	97.2						
Silver									
Sodium									
Thallium	25.0	24.70	98.8						
Vanadium	10000.0	10146.25	101.5						
Zinc	10000.0	10428.86	104.3						
Cyanide									
Tin	400.0	425.47	106.4						

U.S. EPA
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PREPARATION LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Method: AV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW	09/28/96		100
LCSW	09/28/96		100
10780-1	09/28/96		100
10780-1D	09/28/96		100
10780-1MS	09/28/96		100
10780-1MSD	09/28/96		100
MWOOOR	09/28/96		100
FINWZ	09/28/96		100
RFMW15	09/28/96		100
W115F	09/28/96		100

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_1 Method: P

Start Date 10/01/96 End Date: 10/01/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN				
LRV1	1.00	11:32					X																							
ICVA	1.00	11:39					X												X											
ICB	1.00	11:50					X												X											
ZZZZZZ	1.00	11:57																												
ICSABI	1.00	12:00					X												X											
CCV1A	1.00	12:03					X												X											
CCB1	1.00	12:10					X												X											
CCV2A	1.00	12:49					X												X											
CCB2	1.00	12:56					X												X											
CCV3A	1.00	13:34					X												X											
CCB3	1.00	13:41					X												X											
CCV4A	1.00	14:27					X												X											
CCB4	1.00	14:34					X												X											
CCV5A	1.00	15:06					X												X											
CCB5	1.00	15:14					X												X											
CCV6A	1.00	15:52					X												X											
CCB6	1.00	15:59					X												X											
CCV7A	1.00	16:38					X												X											
CCB7	1.00	16:45					X												X											
CCV8A	1.00	17:24					X												X											
CCB8	1.00	17:31					X												X											
RW	1.00	17:56					X												X											
LCS	1.00	17:59					X												X											
RWMS	1.00	18:03					X												X											
RWMD	1.00	18:06					X												X											
CCV9A	1.00	18:10					X												X											
CCB9	1.00	18:17					X												X											
10729-1	1.00	18:21					X												X											
10729-1D	1.00	18:24					X												X											
CCV10A	1.00	18:56					X												X											
CCB10	1.00	19:03					X												X											
10809-1	1.00	19:25					X												X											
10809-3	1	19:28					X												X											

U.S. EPA

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_1 Method: P

Start Date 10/01/96 End Date: _____

EPA Sample No.	D/F	Time	% R	Analytes																										
				ALB	SBS	ASA	BAE	BED	CAR	CRO	CUE	FBG	PMN	MGI	NIK	SES	AGA	NAL	TLV	VZN	CN									
10809-4	1.00	19:31				X									X															
10809-5	1.00	19:35				X									X															
CCV11A	1.00	19:39				X									X															
CCB11	1.00	19:46				X									X															
CCV12A	1.00	20:25				X									X															
CCB12	1.00	20:32				X									X															
CCV13A	1.00	21:11				X									X															
CCB13	1.00	21:18				X									X															
ZZZZZZ	1.00	21:43																												
ICSABF	1.00	21:46				X									X															
CCV14A	1.00	21:50				X									X															
CCB14	1.00	21:57				X									X															
ZZZZZZ																														
ZZZZZZ																														
ZZZZZZ																														
ZZZZZZ																														
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U.S. EPA

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: ____________

Lab Code: ________ Case No.: ________ SAS No.: ________ SDG No.: 10809

Instrument ID Number: ____________ Method: P

Start Date: ________ End Date: ________

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ																											
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U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number: _____ Method: P

Start Date: _____ End Date: _____

EPA Sample No.	D/F	Time	% R	Analytes
				ALBSASBABECDCACRCOCUFEPBMGMNHGNIKSEAGNALTVZNCN
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
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U.S. EPA

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: ________

Lab Code: ________ Case No.: ________ SAS No.: ________ SDG No.: 10809

Instrument ID Number: ________ Method: P

Start Date: ________ End Date: ________

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ																											
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U.S. EPA

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number: _____ Method: P

Start Date: _____ End Date: _____

EPA Sample No.	D/F	Time	% R	Analytes
				ALBSASBABECDCACRCOCUFEPBMGMNHGNIKSEAGANALTVZNCN
ZZZZZZ				
ZZZZZZ				
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ZZZZZZ				
ZZZZZZ				
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U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number: _____ Method: P

Start Date: _____ End Date: _____

EPA Sample No.	D/F	Time	% R	Analytes
				ALBSASABEBDCACRCOCUFEPBMGMNHGNIKSEAGNATLVZNC
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
ZZZZZZ				
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U.S. EPA

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_1 Method: P

Start Date 10/15/96 End Date: 10/15/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	KE	SG	NA	TL	VN	ZN	CN				
LRV1	1.00	01:15						X				X												X						
LRV2	1.00	01:18																			X									
ICVA	1.00	01:21						X				X	X								X			X	X					
ZZZZZZ	1.00	01:25																												
ICB	1.00	01:28						X				X	X								X			X	X					
ZZZZZZ	1.00	01:32																												
ZZZZZZ	1.00	01:35																												
ZZZZZZ	1.00	01:39																												
ZZZZZZ	1.00	01:42																												
ZZZZZZ	1.00	01:46																												
ICSAI	1.00	01:52		X										X		X														
ICSABI	1.00	01:55		X				X				X	X	X		X					X			X	X					
CCV1A	1.00	01:58						X				X	X											X	X					
CCV1B	1.00	02:02																			X									
CCB1	1.00	02:05						X				X	X								X			X	X					
ZZZZZZ	1.00	02:09																												
ZZZZZZ	1.00	02:12																												
ZZZZZZ	1.00	02:16																												
ZZZZZZ	1.00	02:19																												
ZZZZZZ	1.00	02:23																												
ZZZZZZ	1.00	02:26																												
ZZZZZZ	1.00	02:30																												
ZZZZZZ	1.00	02:33																												
ZZZZZZ	1.00	02:37																												
ZZZZZZ	1.00	02:40																												
CCV2A	1.00	02:44						X				X	X											X	X					
CCV2B	1.00	02:47																			X									
CCB2	1.00	02:51						X				X	X								X			X	X					
ZZZZZZ	1.00	02:54																												
ZZZZZZ	1.00	02:58																												
ZZZZZZ	1.00	03:01																												
ZZZZZZ	1.00	03:05																												
ZZZZZZ	1	03:08																												

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_1 Method: P

Start Date 10/15/96 End Date: 10/15/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	03:12																									
ZZZZZZ	1.00	03:15																									
ZZZZZZ	1.00	03:19																									
ZZZZZZ	1.00	03:23																									
ZZZZZZ	1.00	03:26																									
CCV3A	1.00	03:30						X				X	X												X	X	
CCV3B	1.00	03:33																				X					
CCB3	1.00	03:37						X				X	X									X			X	X	
ZZZZZZ	1.00	03:40																									
ZZZZZZ	1.00	03:43																									
ZZZZZZ	1.00	03:47																									
ZZZZZZ	1.00	03:50																									
ZZZZZZ	1.00	03:54																									
ZZZZZZ	1.00	03:57																									
ZZZZZZ	1.00	04:01																									
ZZZZZZ	1.00	04:05																									
ZZZZZZ	1.00	04:08																									
ZZZZZZ	1.00	04:12																									
CCV4A	1.00	04:15						X				X	X												X	X	
CCV4B	1.00	04:19																				X					
CCB4	1.00	04:22						X				X	X									X			X	X	
ZZZZZZ	1.00	14:27																									
ZZZZZZ	1.00	14:31																									
CCV5A	1.00	14:34						X				X	X												X	X	
CCV5B	1.00	14:38																				X					
CCB5	1.00	14:41						X				X	X									X			X	X	
ZZZZZZ	1.00	14:45																									
ZZZZZZ	1.00	14:48																									
ZZZZZZ	1.00	14:52																									
ZZZZZZ	1.00	14:55																									
ZZZZZZ	1.00	14:59																									
ZZZZZZ	1.00	15:03																									
ZZZZZZ	1	15:06																									

U.S. EPA

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_1 Method: P

Start Date 10/15/96 End Date: 10/15/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	KE	SG	NA	TL	VN	ZN	CN				
ZZZZZZ	1.00	15:10																												
ZZZZZZ	1.00	15:13																												
ZZZZZZ	1.00	15:17																												
CCV6A	1.00	15:20						X				X	X											X	X					
CCV6B	1.00	15:24																			X									
CCB6	1.00	15:27						X				X	X								X			X	X					
ZZZZZZ	1.00	15:31																												
ZZZZZZ	1.00	15:34																												
ZZZZZZ	1.00	15:38																												
ZZZZZZ	1.00	15:41																												
ZZZZZZ	1.00	15:45																												
ZZZZZZ	1.00	15:48																												
ZZZZZZ	1.00	15:52																												
ZZZZZZ	1.00	15:55																												
ZZZZZZ	1.00	15:59																												
CCV7A	1.00	16:03						X				X	X											X	X					
CCV7B	1.00	16:06																			X									
CCB7	1.00	16:10						X				X	X								X			X	X					
RW	1.00	16:13						X				X	X								X			X	X					
LCS	1.00	16:17						X				X	X								X			X	X					
RWMS	1.00	16:20						X				X	X								X			X	X					
RWMD	1.00	16:24						X				X	X								X			X	X					
10556-1	1.00	16:27						X				X	X								X			X	X					
10556-1D	1.00	16:31						X				X	X								X			X	X					
ZZZZZZ	1.00	16:34																												
ZZZZZZ	1.00	16:38																												
ZZZZZZ	1.00	16:41																												
ZZZZZZ	1.00	16:45																												
CCV8A	1.00	16:49						X				X	X											X	X					
CCV8B	1.00	16:52																			X									
CCB8	1.00	16:56						X				X	X								X			X	X					
ZZZZZZ	1.00	16:59																												
10809-1	1	17:03						X				X	X								X			X	X					

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_1 Method: P

Start Date 10/15/96 End Date: 10/15/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	SA	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN				
10809-3	1.00	17:07						X				X	X									X			X	X				
10809-4	1.00	17:10						X				X	X									X			X	X				
10809-5	1.00	17:14						X				X	X									X			X	X				
ZZZZZZ	1.00	17:17																												
ZZZZZZ	1.00	17:21																												
ICSAF	1.00	17:24		X										X		X														
ICSABF	1.00	17:28		X				X				X	X	X		X						X			X	X				
CCV9A	1.00	17:31						X				X	X												X	X				
CCV9B	1.00	17:35																				X								
CCB9	1.00	17:39						X				X	X									X			X	X				

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_2 Method: P

Start Date 11/15/96 End Date 11/15/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
S0	1.00	0734																									X
S1	1.00	0735																									X
ZZZZZZ	1.00	0736																									
ZZZZZZ	1.00	0736																									
ZZZZZZ	1.00	0736																									
LRV1	1.00	0737																									X
ZZZZZZ	1.00	0739																									
ZZZZZZ	1.00	0740																									
ZZZZZZ	1.00	0742																									
ICV	1.00	0743																									X
ICB	1.00	0745																									X
ZZZZZZ	1.00	0747																									
ICSAI	1.00	0748		X						X				X		X											
ICSABI	1.00	0750		X						X				X		X											X
CCV	1.00	0752																									X
CCB	1.00	0754																									X
ZZZZZZ	1.00	0756																									
ZZZZZZ	1.00	0758																									
ZZZZZZ	1.00	0800																									
ZZZZZZ	1.00	0802																									
ZZZZZZ	1.00	0804																									
ZZZZZZ	1.00	0806																									
ZZZZZZ	1.00	0808																									
ZZZZZZ	1.00	0811																									
ZZZZZZ	1.00	0813																									
ZZZZZZ	1.00	0815																									
CCV	1.00	0818																									X
CCB	1.00	0820																									X
ZZZZZZ	1.00	0823																									
ZZZZZZ	1.00	0825																									
ZZZZZZ	1.00	0828																									
ZZZZZZ	1.00	0830																									
ZZZZZZ	1.00	0833																									
ZZZZZZ	1.00	0836																									
ZZZZZZ	1.00	0839																									

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number ICP_2 Method: P

Start Date 11/15/96 End Date: 11/15/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
RW	1.00	0841																									X
RWLCS	1.00	0844																									X
RWMS	1.00	0847																									X
CCV	1.00	0850																									X
CCB	1.00	0853																									X
RWMD	1.00	0856																									X
FINWZ	1.00	0900																									X
FINWZD	1.00	0903																									X
FINWZL	5.00	0906																									X
MWOOOR	1.00	0909																									X
RFMW15	1.00	0913																									X
W115F	1.00	0916																									X
ZZZZZZ	1.00	0919																									
ICSAF	1.00	0923		X						X				X		X											
ICSABF	1.00	0926		X						X				X		X											X
CCV	1.00	0929																									X
CCB	1.00	0932																									X

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

FORM XIV - IN SW-846

U.S. EPA

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/14/96 End Date: 10/14/96

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN					
S0	1.00	0551				X																										
S1	1.00	0553				X																										
S2	1.00	0555				X																										
S3	1.00	0558				X																										
S4	1.00	0600				X																										
ICV	1.00	0602				X																										
ICB	1.00	0604				X																										
ZZZZZZ	1.00	0606																														
ZZZZZZ	1.00	0609																														
CCV	1.00	0611				X																										
CCB	1.00	0613				X																										
ZZZZZZ	1.00	0615																														
ZZZZZZ	1.00	0617																														
ZZZZZZ	1.00	0619																														
ZZZZZZ	1.00	0621																														
ZZZZZZ	1.00	0623																														
ZZZZZZ	1.00	0625																														
ZZZZZZ	1.00	0627																														
ZZZZZZ	1.00	0630																														
ZZZZZZ	1.00	0631																														
ZZZZZZ	1.00	0634																														
ZZZZZZ	1.00	0636																														
ZZZZZZ	1.00	0638																														
ZZZZZZ	1.00	0640																														
ZZZZZZ	1.00	0642																														
ZZZZZZ	1.00	0644																														
ZZZZZZ	1.00	0646																														
ZZZZZZ	1.00	0648																														
ZZZZZZ	1.00	0650																														
ZZZZZZ	1.00	0652																														
ZZZZZZ	1.00	0655																														
CCV	1.00	0657				X																										
CCB	1.00	0659				X																										

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/14/96 End Date: 10/14/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	0701																									
ZZZZZZ	1.00	0703																									
ZZZZZZ	1.00	0705																									
ZZZZZZ	1.00	0707																									
ZZZZZZ	1.00	0709																									
ZZZZZZ	1.00	0711																									
PB,DS	1.00	0713				X																					
PB,DSA	1.00	0715	108.4			X																					
LCSW	1.00	0717				X																					
LCSWA	1.00	0720	99.9			X																					
RWMS	1.00	0722				X																					
ZZZZZZ	1.00	0724																									
RWMD	1.00	0726				X																					
ZZZZZZ	1.00	0728																									
ZZZZZZ	1.00	0730																									
ZZZZZZ	1.00	0733																									
ZZZZZZ	1.00	0736																									
CCV	1.00	0738				X																					
CCB	1.00	0740				X																					
FINWZ	1.00	0742				X																					
FINWZA	1.00	0745	80.6			X																					
FINWZD	1.00	0747				X																					
FINWZDA	1.00	0749	88.9			X																					
ZZZZZZ	1.00	0751																									
ZZZZZZ	1.00	0753																									
RFMW15	1.00	0755				X																					
RFMW15A	1.00	0758	83.2			X																					
W115F	1.00	0800				X																					
W115FA	1.00	0802	86.3			X																					
ZZZZZZ	1.00	0804																									
ZZZZZZ	1.00	0806																									
ZZZZZZ	1.00	0808																									
ZZZZZZ	1.00	0810																									

U.S. EPA

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/14/96 End Date: 10/14/96

EPA Sample No.	D/F	Time	% R	Analytes																												
				ALL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN					
ZZZZZZ	1.00	0813																														
ZZZZZZ	1.00	0815																														
ZZZZZZ	1.00	0817																														
ZZZZZZ	1.00	0819																														
ZZZZZZ	1.00	0821																														
ZZZZZZ	1.00	0823																														
CCV	1.00	0825				X																										
CCB	1.00	0827				X																										

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/14/96 End Date: 10/14/96

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN					
S0	1.00	1650				X																										
S1	1.00	1653				X																										
S2	1.00	1655				X																										
S3	1.00	1657				X																										
S4	1.00	1659				X																										
ICV	1.00	1702				X																										
ICB	1.00	1704				X																										
ZZZZZZ	1.00	1706																														
ZZZZZZ	1.00	1708																														
CCV	1.00	1710				X																										
CCB	1.00	1712				X																										
ZZZZZZ	1.00	1714																														
ZZZZZZ	1.00	1716																														
ZZZZZZ	1.00	1718																														
ZZZZZZ	1.00	1720																														
MWOOOR	5.00	1722				X																										
MWOOORA	5.00	1725	90.7			X																										
ZZZZZZ	1.00	1727																														
ZZZZZZ	1.00	1729																														
ZZZZZZ	1.00	1731																														
ZZZZZZ	1.00	1733																														
ZZZZZZ	1.00	1735																														
ZZZZZZ	1.00	1737																														
ZZZZZZ	1.00	1739																														
ZZZZZZ	1.00	1741																														
ZZZZZZ	1.00	1743																														
ZZZZZZ	1.00	1745																														
ZZZZZZ	1.00	1747																														
ZZZZZZ	1.00	1749																														
ZZZZZZ	1.00	1751																														
CCV	1.00	1753				X																										
CCB	1.00	1755				X																										

U.S. EPA

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN					
S0	1.00	0515			X																											
S1	1.00	0518			X																											
S2	1.00	0520			X																											
S3	1.00	0522			X																											
ICV	1.00	0525			X																											
ICB	1.00	0527			X																											
ZZZZZZ	1.00	0529																														
ZZZZZZ	1.00	0532																														
CCV	1.00	0534			X																											
CCB	1.00	0536			X																											
ZZZZZZ	1.00	0538																														
ZZZZZZ	1.00	0541																														
ZZZZZZ	1.00	0543																														
ZZZZZZ	1.00	0545																														
ZZZZZZ	1.00	0547																														
ZZZZZZ	1.00	0550																														
ZZZZZZ	1.00	0552																														
ZZZZZZ	1.00	0554																														
ZZZZZZ	1.00	0556																														
ZZZZZZ	1.00	0559																														
ZZZZZZ	1.00	0601																														
ZZZZZZ	1.00	0603																														
ZZZZZZ	1.00	0605																														
ZZZZZZ	1.00	0608																														
ZZZZZZ	1.00	0610																														
ZZZZZZ	1.00	0612																														
CCV	1.00	0614			X																											
CCB	1.00	0617			X																											
ZZZZZZ	1.00	0619																														
ZZZZZZ	1.00	0621																														
ZZZZZZ	1.00	0623																														
ZZZZZZ	1.00	0626																														
ZZZZZZ	1.00	0628																														

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALB SBS AAS BAE BED CDA CAR CRO CUE FEB PBG MGN MGI NKE SAG NAL TVN ZSN
ZZZZZZ	1.00	0630		
ZZZZZZ	1.00	0632		
ZZZZZZ	1.00	0635		
ZZZZZZ	1.00	0637		
ZZZZZZ	1.00	0639		
ZZZZZZ	1.00	0641		
ZZZZZZ	1.00	0644		
ZZZZZZ	1.00	0646		
ZZZZZZ	1.00	0648		
ZZZZZZ	1.00	0651		
ZZZZZZ	1.00	0653		
CCV	1.00	0655		X
CCB	1.00	0657		X
ZZZZZZ	1.00	0700		
ZZZZZZ	1.00	0702		
ZZZZZZ	1.00	0704		
ZZZZZZ	1.00	0707		
ZZZZZZ	1.00	0709		
ZZZZZZ	1.00	0711		
ZZZZZZ	1.00	0713		
ZZZZZZ	1.00	0716		
ZZZZZZ	1.00	0718		
ZZZZZZ	1.00	0720		
ZZZZZZ	1.00	0723		
ZZZZZZ	1.00	0725		
ZZZZZZ	1.00	0727		
ZZZZZZ	1.00	0730		
ZZZZZZ	1.00	0732		
ZZZZZZ	1.00	0734		
CCV	1.00	0736		X
CCB	1.00	0739		X
ZZZZZZ	1.00	0741		
ZZZZZZ	1.00	0743		

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN			
ZZZZZZ	1.00	0745																												
ZZZZZZ	1.00	0748																												
ZZZZZZ	1.00	0754																												
CCV	1.00	0757			X																									
CCB	1.00	0759			X																									
ZZZZZZ	1.00	0801																												
ZZZZZZ	1.00	0803																												
ZZZZZZ	1.00	0806																												
ZZZZZZ	1.00	0808																												
ZZZZZZ	1.00	0810																												
ZZZZZZ	1.00	0813																												
ZZZZZZ	1.00	0815																												
ZZZZZZ	1.00	0817																												
ZZZZZZ	1.00	0819																												
ZZZZZZ	1.00	0822																												
ZZZZZZ	1.00	0824																												
ZZZZZZ	1.00	0826																												
ZZZZZZ	1.00	0828																												
ZZZZZZ	1.00	0830																												
ZZZZZZ	1.00	0832																												
ZZZZZZ	1.00	0835																												
CCV	1.00	0837			X																									
CCB	1.00	0839			X																									
ZZZZZZ	1.00	0841																												
ZZZZZZ	1.00	0843																												
ZZZZZZ	1.00	0845																												
ZZZZZZ	1.00	0848																												
ZZZZZZ	1.00	0850																												
ZZZZZZ	1.00	0852																												
ZZZZZZ	1.00	0854																												
ZZZZZZ	1.00	0857																												
ZZZZZZ	1.00	0859																												
ZZZZZZ	1.00	0901																												

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/10/96 End Date: 10/10/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALSB ASSA BAE CDA CAR COU CUE FEB PBG MNG HGI NKE SAG NAL TVN ZSN
PB,DS	1.00	0903		X
PB,DSA	1.00	0906	83.2	X
LCSW	1.00	0908		X
LCSWA	1.00	0910	81.1	X
RWMS	1.00	0912		X
ZZZZZZ	1.00	0915		
CCV	1.00	0917		X
CCB	1.00	0919		X
RWMD	1.00	0921		X
ZZZZZZ	1.00	0924		
FINWZ	1.00	0926		X
FINWZA	1.00	0928	84.2	X
FINWZD	1.00	0931		X
FINWZDA	1.00	0933	75.4	X
ZZZZZZ	1.00	0935		
ZZZZZZ	1.00	0937		
RFMW15	1.00	0940		X
RFMW15A	1.00	0942	86.6	X
W115F	1.00	0944		X
W115FA	1.00	0947	85.3	X
ZZZZZZ	1.00	0949		
ZZZZZZ	1.00	0951		
ZZZZZZ	1.00	0953		
ZZZZZZ	1.00	0956		
CCV	1.00	0958		X
CCB	1.00	1000		X

U.S. EPA

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-2 Method: F

Start Date 10/24/96 End Date: 10/24/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN				
S0	1.00	0956													X															
S1	1.00	0958													X															
S2	1.00	1000													X															
S3	1.00	1002													X															
S4	1.00	1004													X															
ICV	1.00	1007													X															
ICB	1.00	1009													X															
ZZZZZZ	1.00	1011																												
ZZZZZZ	1.00	1013																												
CCV	1.00	1015													X															
CCB	1.00	1017													X															
PB,DS	1.00	1019													X															
PB,DSA	1.00	1021	95.1												X															
LCSW	1.00	1023													X															
LCSWA	1.00	1025	67.0												X															
RWMS	1.00	1027													X															
ZZZZZZ	1.00	1029																												
RWMD	1.00	1031													X															
ZZZZZZ	1.00	1034																												
FINWZ	1.00	1036													X															
FINWZA	1.00	1038	69.5												X															
FINWZD	1.00	1040													X															
FINWZDA	1.00	1042	74.7												X															
MWOOOR	1.00	1044													X															
MWOOORA	1.00	1046	109.2												X															
RFMW15	5.00	1048													X															
RFMW15A	5.00	1050	80.4												X															
W115F	1.00	1052													X															
W115FA	1.00	1054	78.4												X															
ZZZZZZ	1.00	1056																												
ZZZZZZ	1.00	1058																												
CCV	1.00	1100													X															
CCB	1.00	1102													X															

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/24/96 End Date: 10/24/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN			
S0	1.00	0421																					X							
S1	1.00	0423																					X							
S2	1.00	0425																					X							
S3	1.00	0427																					X							
ICV	1.00	0429																					X							
ICB	1.00	0431																					X							
ZZZZZZ	1.00	0433																												
ZZZZZZ	1.00	0435																												
ZZZZZZ	1.00	0438																												
CCV	1.00	0440																					X							
CCB	1.00	0442																					X							
ZZZZZZ	1.00	0444																												
ZZZZZZ	1.00	0446																												
ZZZZZZ	1.00	0448																												
ZZZZZZ	1.00	0450																												
ZZZZZZ	1.00	0452																												
ZZZZZZ	1.00	0454																												
ZZZZZZ	1.00	0456																												
ZZZZZZ	1.00	0458																												
ZZZZZZ	1.00	0459																												
ZZZZZZ	1.00	0502																												
ZZZZZZ	1.00	0503																												
ZZZZZZ	1.00	0506																												
ZZZZZZ	1.00	0507																												
ZZZZZZ	1.00	0510																												
ZZZZZZ	1.00	0511																												
ZZZZZZ	1.00	0514																												
ZZZZZZ	1.00	0515																												
ZZZZZZ	1.00	0518																												
ZZZZZZ	1.00	0519																												
ZZZZZZ	1.00	0522																												
CCV	1.00	0523																					X							
CCB	1.00	0525																					X							

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/24/96 End Date: 10/24/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	0527																									
ZZZZZZ	1.00	0529																									
ZZZZZZ	1.00	0531																									
ZZZZZZ	1.00	0533																									
ZZZZZZ	1.00	0535																									
ZZZZZZ	1.00	0538																									
ZZZZZZ	1.00	0539																									
ZZZZZZ	1.00	0542																									
ZZZZZZ	1.00	0544																									
ZZZZZZ	1.00	0546																									
ZZZZZZ	1.00	0548																									
ZZZZZZ	1.00	0550																									
ZZZZZZ	1.00	0552																									
ZZZZZZ	1.00	0554																									
ZZZZZZ	1.00	0556																									
ZZZZZZ	1.00	0558																									
ZZZZZZ	1.00	0600																									
ZZZZZZ	1.00	0602																									
ZZZZZZ	1.00	0604																									
ZZZZZZ	1.00	0606																									
CCV	1.00	0608																						X			
CCB	1.00	0610																						X			
ZZZZZZ	1.00	0611																									
ZZZZZZ	1.00	0613																									
ZZZZZZ	1.00	0615																									
ZZZZZZ	1.00	0617																									
ZZZZZZ	1.00	0619																									
ZZZZZZ	1.00	0621																									
ZZZZZZ	1.00	0623																									
ZZZZZZ	1.00	0625																									
ZZZZZZ	1.00	0627																									
ZZZZZZ	1.00	0629																									
ZZZZZZ	1.00	0631																									

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/24/96 End Date: 10/24/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	0633																									
ZZZZZZ	1.00	0635																									
ZZZZZZ	1.00	0637																									
ZZZZZZ	1.00	0639																									
ZZZZZZ	1.00	0641																									
ZZZZZZ	1.00	0643																									
ZZZZZZ	1.00	0645																									
ZZZZZZ	1.00	0647																									
ZZZZZZ	1.00	0649																									
CCV	1.00	0651																						X			
CCB	1.00	0653																						X			
ZZZZZZ	1.00	0654																									
ZZZZZZ	1.00	0657																									
ZZZZZZ	1.00	0658																									
ZZZZZZ	1.00	0700																									
ZZZZZZ	1.00	0702																									
ZZZZZZ	1.00	0705																									
CCV	1.00	0707																						X			
CCB	1.00	0709																						X			
ZZZZZZ	1.00	0711																									
ZZZZZZ	1.00	0713																									
ZZZZZZ	1.00	0715																									
ZZZZZZ	1.00	0717																									
ZZZZZZ	1.00	0719																									
ZZZZZZ	1.00	0721																									
ZZZZZZ	1.00	0723																									
ZZZZZZ	1.00	0725																									
ZZZZZZ	1.00	0727																									
ZZZZZZ	1.00	0729																									
ZZZZZZ	1.00	0731																									
ZZZZZZ	1.00	0733																									
ZZZZZZ	1.00	0735																									
ZZZZZZ	1.00	0737																									

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/24/96 End Date: 10/24/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				ALB	SBS	ASA	BAE	BED	CDA	CAR	CRO	COU	CUE	FEB	PBG	MGN	MNG	HGI	NIK	SES	AGA	NAL	TLV	VZN	ZNS	SN					
ZZZZZZ	1.00	0739																												
ZZZZZZ	1.00	0741																												
ZZZZZZ	1.00	0743																												
ZZZZZZ	1.00	0758																												
ZZZZZZ	1.00	0758																												
CCV	1.00	0800																				X								
CCB	1.00	0802																				X								
PB,DS	1.00	0804																				X								
PB,DSA	1.00	0806	103.0																			X								
LCSW	1.00	0808																				X								
LCSWA	1.00	0810	112.0																			X								
RWMS	1.00	0812																				X								
ZZZZZZ	1.00	0814																												
RWMD	1.00	0816																				X								
ZZZZZZ	1.00	0818																												
ZZZZZZ	1.00	0820																												
ZZZZZZ	1.00	0821																												
ZZZZZZ	1.00	0823																												
ZZZZZZ	1.00	0825																												
ZZZZZZ	1.00	0827																												
ZZZZZZ	1.00	0829																												
ZZZZZZ	1.00	0831																												
ZZZZZZ	1.00	0833																												
ZZZZZZ	1.00	0834																												
ZZZZZZ	1.00	0836																												
ZZZZZZ	1.00	0838																												
ZZZZZZ	1.00	0840																												
CCV	1.00	0842																				X								
CCB	1.00	0844																				X								
ZZZZZZ	1.00	0846																												
ZZZZZZ	1.00	0848																												
ZZZZZZ	1.00	0850																												
ZZZZZZ	1.00	0852																												

U.S. EPA
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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/24/96 End Date: 10/24/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	0854																									
ZZZZZZ	1.00	0856																									
ZZZZZZ	1.00	0858																									
ZZZZZZ	1.00	0900																									
ZZZZZZ	1.00	0902																									
ZZZZZZ	1.00	0904																									
ZZZZZZ	1.00	0906																									
ZZZZZZ	1.00	0908																									
ZZZZZZ	1.00	0910																									
ZZZZZZ	1.00	0912																									
ZZZZZZ	1.00	0914																									
ZZZZZZ	1.00	0916																									
ZZZZZZ	1.00	0918																									
ZZZZZZ	1.00	0920																									
ZZZZZZ	1.00	0922																									
ZZZZZZ	1.00	0924																									
CCV	1.00	0926																						X			
CCB	1.00	0928																						X			
ZZZZZZ	1.00	0930																									
ZZZZZZ	1.00	1015																									
CCV	1.00	1017																						X			
CCB	1.00	1019																						X			
ZZZZZZ	1.00	1021																									
ZZZZZZ	1.00	1023																									
FINWZD	10.00	1025																						X			
FINWZDA	10.00	1027	76.3																					X			
MWOOOR	5.00	1029																						X			
MWOOORA	5.00	1031	67.9																					X			
RFMW15	5.00	1033																						X			
RFMW15A	5.00	1035	52.5																					X			
W115F	5.00	1037																						X			
W115FA	5.00	1039	47.7																					X			
ZZZZZZ	1.00	1041																									

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-3 Method: F

Start Date 10/24/96 End Date: 10/24/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	KE	SE	AG	NA	TL	V	ZN	SN			
ZZZZZZ	1.00	1043																												
ZZZZZZ	1.00	1045																												
ZZZZZZ	1.00	1047																												
ZZZZZZ	1.00	1049																												
ZZZZZZ	1.00	1051																												
ZZZZZZ	1.00	1053																												
ZZZZZZ	1.00	1055																												
ZZZZZZ	1.00	1057																												
ZZZZZZ	1.00	1059																												
CCV	1.00	1101																					X							
CCB	1.00	1103																					X							
ZZZZZZ	1.00	1108																												
CCV	1.00	1110																					X							
CCB	1.00	1112																					X							
FINWZ	10.00	1113																					X							
FINWZA	10.00	1116	80.6																				X							
ZZZZZZ	1.00	1118																												
ZZZZZZ	1.00	1120																												
ZZZZZZ	1.00	1122																												
ZZZZZZ	1.00	1124																												
ZZZZZZ	1.00	1126																												
ZZZZZZ	1.00	1128																												
ZZZZZZ	1.00	1142																												
CCV	1.00	1144																					X							
CCB	1.00	1146																					X							

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number PS-200 Method: AV

Start Date 09/29/96 End Date: 09/29/96

EPA Sample No.	D/F	Time	% R	Analytes																												
				ALB	SBS	AS A	BAE	BED	CDA	CAR	CRO	COU	CUE	FEB	PBG	MGN	MHG	NI	K	SE	AG	NA	TL	V	ZN	SN						
S1	1.00	0411															X															
S1	1.00	0414															X															
S2	1.00	0416															X															
S2	1.00	0418															X															
S3	1.00	0421															X															
S3	1.00	0423															X															
S4	1.00	0425															X															
S4	1.00	0428															X															
S5	1.00	0430															X															
S5	1.00	0432															X															
S6	1.00	0435															X															
S6	1.00	0437															X															
ICV	1.00	0449															X															
ICB	1.00	0451															X															
ZZZZZZ	1.00	0453																														
ZZZZZZ	1.00	0045																														
ZZZZZZ	1.00	0458																														
ZZZZZZ	1.00	0500																														
ZZZZZZ	1.00	0503																														
ZZZZZZ	1.00	0505																														
ZZZZZZ	1.00	0507																														
ZZZZZZ	1.00	0509																														
ZZZZZZ	1.00	0512																														
CCV	1.00	0514															X															
CCB	1.00	0516															X															
ZZZZZZ	1.00	0519																														
ZZZZZZ	1.00	0521																														
ZZZZZZ	1.00	0523																														
ZZZZZZ	1.00	0525																														
ZZZZZZ	1.00	0527																														
ZZZZZZ	1.00	0530																														
ZZZZZZ	1.00	0532																														
PBW	1.00	0534															X															

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number PS-200 Method: AV

Start Date 09/29/96 End Date: 09/29/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				ALB	SBS	ASA	BAE	BED	CDA	CAR	CRO	COU	CUE	FEB	PBG	MGN	MNG	HGI	NIK	SES	AGA	NAL	TLV	VZN	SSN
LCSW	1.00	0536															X													
CCV	1.00	0539															X													
CCB	1.00	0541															X													
ZZZZZZ	1.00	0543																												
ZZZZZZ	1.00	0545																												
ZZZZZZ	1.00	0547																												
ZZZZZZ	1.00	0550																												
ZZZZZZ	1.00	0552																												
ZZZZZZ	1.00	0554																												
ZZZZZZ	1.00	0556																												
ZZZZZZ	1.00	0559																												
ZZZZZZ	1.00	0601																												
CCV	1.00	0603															X													
CCB	1.00	0605															X													
ZZZZZZ	1.00	0607																												
ZZZZZZ	1.00	0610																												
ZZZZZZ	1.00	0612																												
ZZZZZZ	1.00	0614																												
ZZZZZZ	1.00	0616																												
MWOOOR	1.00	0618															X													
FINWZ	1.00	0621															X													
RFMW15	1.00	0623															X													
W115F	1.00	0625															X													
CCV	1.00	0627															X													
CCB	1.00	0630															X													

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-1 Method: F

Start Date 10/18/96 End Date: 10/18/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALBSASAABEBECDCACRCOCUFEPBMGMNHGNIKSEAGNALTLVNZNS
S0	1.00	0959		X
S1	1.00	1001		X
S2	1.00	1002		X
S3	1.00	1004		X
ICV	1.00	1006		X
ICB	1.00	1008		X
ZZZZZZ	1.00	1010		
ZZZZZZ	1.00	1012		
CCV	1.00	1014		X
CCB	1.00	1016		X
ZZZZZZ	1.00	1018		
ZZZZZZ	1.00	1020		
CCV	1.00	1021		X
CCB	1.00	1023		X
PB,DS	1.00	1025		X
PB,DSA	1.00	1027	126.7	X
LCSW	1.00	1029		X
LCSWA	1.00	1030	104.0	X
ZZZZZZ	1.00	1032		
ZZZZZZ	1.00	1034		
ZZZZZZ	1.00	1036		
RWMS	1.00	1037		X
ZZZZZZ	1.00	1039		
RWMSD	1.00	1041		X
ZZZZZZ	1.00	1043		
ZZZZZZ	1.00	1045		
ZZZZZZ	1.00	1046		
ZZZZZZ	1.00	1048		
ZZZZZZ	1.00	1050		
ZZZZZZ	1.00	1052		
ZZZZZZ	1.00	1053		
ZZZZZZ	1.00	1055		
ZZZZZZ	1.00	1057		

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-1 Method: F

Start Date 10/18/96 End Date: 10/18/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	1058																									
CCV	1.00	1100							X																		
CCB	1.00	1102							X																		
ZZZZZZ	1.00	1104																									
ZZZZZZ	1.00	1106																									
ZZZZZZ	1.00	1107																									
ZZZZZZ	1.00	1109																									
ZZZZZZ	1.00	1111																									
ZZZZZZ	1.00	1112																									
ZZZZZZ	1.00	1114																									
ZZZZZZ	1.00	1116																									
W115F	5.00	1118							X																		
W115FA	5.00	1119	104.7						X																		
ZZZZZZ	1.00	1121																									
ZZZZZZ	1.00	1123																									
ZZZZZZ	1.00	1125																									
ZZZZZZ	1.00	1127																									
ZZZZZZ	1.00	1128																									
ZZZZZZ	1.00	1130																									
ZZZZZZ	1.00	1132																									
ZZZZZZ	1.00	1134																									
ZZZZZZ	1.00	1136																									
ZZZZZZ	1.00	1138																									
CCV	1.00	1139							X																		
CCB	1.00	1141							X																		
ZZZZZZ	1.00	1143																									
ZZZZZZ	1.00	1145																									
ZZZZZZ	1.00	1147																									
ZZZZZZ	1.00	1148																									
ZZZZZZ	1.00	1150																									
ZZZZZZ	1.00	1152																									
ZZZZZZ	1.00	1154																									
ZZZZZZ	1.00	1156																									

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-1 Method: F

Start Date 10/18/96 End Date: 10/18/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	1158																									
ZZZZZZ	1.00	1200																									
ZZZZZZ	1.00	1201																									
ZZZZZZ	1.00	1203																									
ZZZZZZ	1.00	1205																									
ZZZZZZ	1.00	1207																									
ZZZZZZ	1.00	1209																									
ZZZZZZ	1.00	1211																									
ZZZZZZ	1.00	1213																									
ZZZZZZ	1.00	1215																									
ZZZZZZ	1.00	1216																									
ZZZZZZ	1.00	1218																									
CCV	1.00	1220							X																		
CCB	1.00	1222							X																		
ZZZZZZ	1.00	1224																									
ZZZZZZ	1.00	1226																									
ZZZZZZ	1.00	1227																									
ZZZZZZ	1.00	1229																									
ZZZZZZ	1.00	1231																									
ZZZZZZ	1.00	1233																									
ZZZZZZ	1.00	1235																									
ZZZZZZ	1.00	1237																									
ZZZZZZ	1.00	1238																									
ZZZZZZ	1.00	1240																									
ZZZZZZ	1.00	1242																									
ZZZZZZ	1.00	1244																									
ZZZZZZ	1.00	1246																									
ZZZZZZ	1.00	1248																									
ZZZZZZ	1.00	1249																									
ZZZZZZ	1.00	1251																									
ZZZZZZ	1.00	1253																									
ZZZZZZ	1.00	1255																									
ZZZZZZ	1.00	1257																									

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-1 Method: F

Start Date 10/18/96 End Date: 10/18/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALBSASBABECDCACRCOCUFEPBMGMNHGNIKSEAGANALTVZNSN
ZZZZZZ	1.00	1258		
CCV	1.00	1300		X
CCB	1.00	1302		X
FINWZ	50.00	1304		X
FINWZA	50.00	1306	116.8	X
FINWZD	50.00	1307		X
FINWZDA	50.00	1309	115.7	X
ZZZZZZ	1.00	1311		
ZZZZZZ	1.00	1313		
ZZZZZZ	1.00	1315		
ZZZZZZ	1.00	1317		
ZZZZZZ	1.00	1318		
ZZZZZZ	1.00	1331		
CCV	1.00	1333		X
CCB	1.00	1335		X
ZZZZZZ	1.00	1337		
ZZZZZZ	1.00	1339		
ZZZZZZ	1.00	1340		
ZZZZZZ	1.00	1342		
MWOOOR	5.00	1344		X
MWOOORA	5.00	1346	108.7	X
RFMW15	5.00	1347		X
RFMW15A	5.00	1349	114.2	X
ZZZZZZ	1.00	1351		
ZZZZZZ	1.00	1353		
ZZZZZZ	1.00	1355		
ZZZZZZ	1.00	1357		
ZZZZZZ	1.00	1400		
CCV	1.00	1402		X
CCB	1.00	1404		X

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/31/96 End Date: 10/31/96

EPA Sample No.	D/F	Time	% R	Analytes
				ALSBSASABEBEDCDCACRCOCUFEPBMGMNHGNIKSEASAGNIALTLVZNSN
S0	1.00	1658		X
S1	1.00	1701		X
S2	1.00	1703		X
S3	1.00	1705		X
ICV	1.00	1708		X
ICB	1.00	1710		X
ZZZZZZ	1.00	1713		
ZZZZZZ	1.00	1715		
CCV	1.00	1717		X
CCB	1.00	1720		X
ZZZZZZ	1.00	1722		
ZZZZZZ	1.00	1724		
ZZZZZZ	1.00	1727		
ZZZZZZ	1.00	1729		
ZZZZZZ	1.00	1731		
ZZZZZZ	1.00	1834		
ZZZZZZ	1.00	1736		
ZZZZZZ	1.00	1738		
ZZZZZZ	1.00	1741		
ZZZZZZ	1.00	1743		
ZZZZZZ	1.00	1745		
ZZZZZZ	1.00	1748		
ZZZZZZ	1.00	1750		
ZZZZZZ	1.00	1752		
ZZZZZZ	1.00	1755		
ZZZZZZ	1.00	1757		
ZZZZZZ	1.00	1759		
ZZZZZZ	1.00	1802		
ZZZZZZ	1.00	1804		
ZZZZZZ	1.00	1806		
ZZZZZZ	1.00	1809		
ZZZZZZ	1.00	1811		
ZZZZZZ	1.00	1815		
CCV	1.00	1817		X
CCB	1.00	1820		X
PB,DS	1.00	1822		X

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/31/96 End Date: 10/31/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	KE	AG	AL	TL	VA	ZN	SN				
PB,DSA	1.00	1824	79.7																X										
LCSW	1.00	1827																	X										
LCSWA	1.00	1829	74.2																X										
RWMS	1.00	1831																	X										
ZZZZZZ	1.00	1834																											
RWMSD	1.00	1836																	X										
ZZZZZZ	1.00	1839																											
ZZZZZZ	1.00	1841																											
ZZZZZZ	1.00	1843																											
ZZZZZZ	1.00	1846																											
ZZZZZZ	1.00	1848																											
ZZZZZZ	1.00	1851																											
ZZZZZZ	1.00	1854																											
CCV	1.00	1856																	X										
CCB	1.00	1858																	X										
ZZZZZZ	1.00	1901																											
ZZZZZZ	1.00	1903																											
ZZZZZZ	1.00	1902																											
ZZZZZZ	1.00	1908																											
ZZZZZZ	1.00	1910																											
ZZZZZZ	1.00	1912																											
ZZZZZZ	1.00	1915																											
ZZZZZZ	1.00	1917																											
ZZZZZZ	1.00	1919																											
ZZZZZZ	1.00	1922																											
ZZZZZZ	1.00	1924																											
ZZZZZZ	1.00	1926																											
ZZZZZZ	1.00	1929																											
ZZZZZZ	1.00	1931																											
ZZZZZZ	1.00	1933																											
ZZZZZZ	1.00	1936																											
ZZZZZZ	1.00	1938																											
ZZZZZZ	1.00	1941																											
ZZZZZZ	1.00	1943																											
ZZZZZZ	1.00	1945																											
CCV	1.00	1948																	X										

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/31/96 End Date: 10/31/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				ALB	SBS	ASA	BAE	BED	CDA	CAR	CRO	CUE	FBG	PMG	MNG	HGI	NIK	SE	AGA	NAL	TVI	ZN	SN							
CCB	1.00	1950																X											
ZZZZZZ	1.00	1952																											
ZZZZZZ	1.00	1955																											
ZZZZZZ	1.00	1957																											
ZZZZZZ	1.00	1959																											
ZZZZZZ	1.00	2002																											
ZZZZZZ	1.00	2004																											
ZZZZZZ	1.00	2006																											
ZZZZZZ	1.00	2009																											
ZZZZZZ	1.00	2011																											
ZZZZZZ	1.00	2014																											
ZZZZZZ	1.00	2016																											
ZZZZZZ	1.00	2018																											
ZZZZZZ	1.00	2024																											
ZZZZZZ	1.00	2027																											
ZZZZZZ	1.00	2030																											
CCV	1.00	2032																X											
CCB	1.00	2034																X											
ZZZZZZ	1.00	2037																											
ZZZZZZ	1.00	2039																											
ZZZZZZ	1.00	2041																											
ZZZZZZ	1.00	2045																											
CCV	1.00	2047																X											
CCB	1.00	2049																X											
ZZZZZZ	1.00	2051																											
ZZZZZZ	1.00	2054																											
ZZZZZZ	1.00	2056																											
ZZZZZZ	1.00	2058																											
ZZZZZZ	1.00	2101																											
ZZZZZZ	1.00	2103																											
ZZZZZZ	1.00	2105																											
ZZZZZZ	1.00	2107																											
ZZZZZZ	1.00	2110																											
ZZZZZZ	1.00	2112																											
ZZZZZZ	1.00	2114																											
ZZZZZZ	1.00	2116																											

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/31/96 End Date: 10/31/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
ZZZZZZ	1.00	2119																									
ZZZZZZ	1.00	2121																									
ZZZZZZ	1.00	2124																									
ZZZZZZ	1.00	2126																									
ZZZZZZ	1.00	2128																									
ZZZZZZ	1.00	2130																									
ZZZZZZ	1.00	2132																									
ZZZZZZ	1.00	2135																									
CCV	1.00	2137																			X						
CCB	1.00	2139																			X						
ZZZZZZ	1.00	2141																									
ZZZZZZ	1.00	2144																									
ZZZZZZ	1.00	2146																									
ZZZZZZ	1.00	2148																									
ZZZZZZ	1.00	2150																									
ZZZZZZ	1.00	2152																									
ZZZZZZ	1.00	2154																									
ZZZZZZ	1.00	2157																									
ZZZZZZ	1.00	2159																									
ZZZZZZ	1.00	2201																									
ZZZZZZ	1.00	2203																									
ZZZZZZ	1.00	2205																									
ZZZZZZ	1.00	2208																									
ZZZZZZ	1.00	2210																									
ZZZZZZ	1.00	2212																									
ZZZZZZ	1.00	2215																									
ZZZZZZ	1.00	2217																									
ZZZZZZ	1.00	2225																									
ZZZZZZ	1.00	2228																									
ZZZZZZ	1.00	2237																									
CCV	1.00	2239																			X						
CCB	1.00	2241																			X						
ZZZZZZ	1.00	2244																									
ZZZZZZ	1.00	2248																									
CCV	1.00	2251																			X						
CCB	1.00	2253																			X						

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ANALYSIS RUN LOG

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

Instrument ID Number GFAA-4 Method: F

Start Date 10/31/96 End Date: 10/31/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SN
MWOOOR	1.00	2255																			X						
MWOOORA	1.00	2258	63.3																		X						
FINWZ	5.00	2300																			X						
FINWZA	5.00	2302	55.4																		X						
RFMW15	5.00	2305																			X						
RFMW15A	5.00	2307	103.1																		X						
W115F	5.00	2309																			X						
W115FA	5.00	2312	89.1																		X						
ZZZZZZ	1.00	2314																									
ZZZZZZ	1.00	2316																									
ZZZZZZ	1.00	2319																									
ZZZZZZ	1.00	2321																									
ZZZZZZ	1.00	2323																									
ZZZZZZ	1.00	2326																									
ZZZZZZ	1.00	2328																									
ZZZZZZ	1.00	2330																									
ZZZZZZ	1.00	2333																									
ZZZZZZ	1.00	2335																									
ZZZZZZ	1.00	2337																									
ZZZZZZ	1.00	2340																									
CCV	1.00	2342																			X						
CCB	1.00	2344																			X						

Forms by WindowChem(707)864-0845;p/n11014;v3.0;1/1/96

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 214-238-5591
Fax. 214-238-5592

VERIFICATION OF INSTRUMENT PARAMETERS

U.S. EPA
10
METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_1 Date: 02/24/96

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum	308.22		200.0	64.4	P
Antimony	217.59		100.0	42.3	P
Arsenic					
Barium	455.40		20.0	3.4	P
Beryllium	313.04		5.0	2.4	P
Cadmium	226.50		20.0	8.7	P
Calcium					
Chromium	267.72		20.0	8.5	P
Cobalt	228.62		20.0	12.5	P
Copper	324.75		10.0	8.2	P
Iron	259.94		100.0	39.1	P
Lead	220.35		100.0	89.6	P
Magnesium	279.08		100.0	25.5	P
Manganese	257.61		10.0	5.4	P
Mercury					
Nickel	213.61		20.0	14.0	P
Potassium					
Selenium					
Silver	328.06		10.0	4.9	P
Sodium					
Thallium	190.86		150.0	67.1	P
Vanadium	292.40		20.0	11.9	P
Zinc	213.86		30.0	5.3	P

Comments:

U.S. EPA

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METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_2 Date: 01/19/96

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum	396.15		200.0	18.9	P
Antimony	206.83		100.0	9.9	P
Arsenic	193.70		200.0	14.4	P
Barium	233.53		20.0	0.8	P
Beryllium	313.04		5.0	0.3	P
Cadmium	214.44		20.0	0.8	P
Calcium	315.89		500.0	280.0	P
Chromium	267.72		20.0	1.8	P
Cobalt	238.89		20.0	0.8	P
Copper	324.75		20.0	6.2	P
Iron	234.35		100.0	43.5	P
Lead	220.35		100.0	4.5	P
Magnesium	279.08		500.0	7.5	P
Manganese	257.61		10.0	3.6	P
Mercury					
Nickel	231.60		20.0	1.1	P
Potassium	766.49		1000.0	57.0	P
Selenium	196.03		400.0	3.9	P
Silver	328.07		20.0	2.5	P
Sodium	330.24		1000.0	788.0	P
Thallium	190.80		150.0	16.3	P
Vanadium	292.40		20.0	2.1	P
Zinc	213.86		30.0	5.2	P
Tin			10.0	0.1	P

Comments:

U.S. EPA
10
METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_3 Date: 03/13/96

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum	308.22		200.0	82.8	P
Antimony			100.0	57.9	P
Arsenic	193.76		200.0	171.0	P
Barium	455.40		20.0	8.6	P
Beryllium	313.04		5.0	1.2	P
Cadmium	226.50		20.0	4.2	P
Calcium	317.93		500.0	261.0	P
Chromium	267.72		20.0	7.7	P
Cobalt	238.89		20.0	8.7	P
Copper	324.75		20.0	10.8	P
Iron	239.56		100.0		P
Lead	220.36		100.0	84.5	P
Magnesium	279.08		500.0	7.5	P
Manganese	259.37		10.0	3.6	P
Mercury					
Nickel	231.61		20.0	1.1	P
Potassium	766.49		1000.0	57.0	P
Selenium	196.09		400.0	3.9	P
Silver	328.07		20.0	2.5	P
Sodium	589.60		1000.0	788.0	P
Thallium	351.92		150.0	16.3	P
Vanadium	292.40		20.0	2.1	P
Zinc	213.86		30.0	5.2	P

Comments:

U.S. EPA

10

METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: _____ Date: 03/13/96

Flame AA ID Number: GFAA-3

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum					
Antimony					
Arsenic	193.76		10.0	0.9	F
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Comments:

U.S. EPA

10

METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: _____ Date: 03/13/96

Flame AA ID Number: GFAA-4

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum					
Antimony	217.60		10.0	2.6	F
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium			10.0	3.4	F
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Comments:

U.S. EPA
10
METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: _____ Date: 03/13/96

Flame AA ID Number: GFAA-2

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead	283.30		10.0	1.5	F
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Comments:

U.S. EPA

10

METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: _____ Date: 03/13/96

Flame AA ID Number: PS-200

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury			5.0	0.1	AV
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Comments:

U.S. EPA
10
METHOD DETECTION LIMITS (ANNUAL)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: _____ Date: 03/13/96

Flame AA ID Number: GFAA-1

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium			5.0	0.9	F
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Comments:

U.S. EPA

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

ICP ID Number: ICP_1 Date: 03/18/95

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	
Aluminum	308.22	0.0000000		0.0000000	0.0000000	
Antimony	217.59	0.0010797		0.0001961	0.0000000	
Arsenic						
Barium	455.40	0.0000000		0.0000000	0.0000000	
Beryllium	313.04	0.0000000		0.0000000	0.0000000	
Cadmium	226.50	0.0000000		0.0003734	0.0000000	
Calcium						
Chromium	267.72	0.0000000		0.0000000	0.0000466	
Cobalt	228.62	0.0000000		0.0000000	0.0000000	
Copper	324.75	0.0000000		0.0000000	0.0000000	
Iron	259.94	-0.0007890		0.0000000	0.0000000	
Lead	220.35	0.0000000		0.0000257	0.0000000	
Magnesium	279.08	0.0000000		0.0000000	0.0000000	
Manganese	257.61	0.0000000		0.0000000	0.0000000	
Mercury						
Nickel	231.61	0.0000000		0.0000000	0.0000250	
Potassium						
Selenium						
Silver	328.07	0.0000000		-0.0001005	0.0000000	
Sodium						
Thallium	190.86	0.0000000		0.0000000	0.0000000	
Vanadium	292.40	0.0000000		0.0000000	0.0000000	
Zinc	213.86	0.0000000		0.0001309	0.0000000	

Comments:

U.S. EPA

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

ICP ID Number: ICP_3 Date: 01/15/96

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg
Aluminum	308.15	0.0000000	0.0012945	0.0000000	0.0006107
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.70	-0.0006321	0.0000000	0.0000000	0.0000000
Barium	233.53	0.0000000	0.0000340	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0001644	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0016901	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0001000
Cobalt	238.89	0.0000000	0.0000000	0.0007200	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000
Iron	234.35	0.0003101	0.0000000	0.0000000	0.0024548
Lead	220.35	0.0001136	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000
Mercury					
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0007006	0.0004158	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.24	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.86	0.0001385	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Inchcape Testing Services Contract:

Lab Code: Case No.: SAS No.: SDG No.: 10809

ICP ID Number: ICP_2 Date: 04/09/96

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000010	-0.0000010	0.0000000	-0.0000050
Arsenic	193.70	0.0000430	0.0000000	0.0000000	-0.0000290
Barium	233.53	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	-0.0000500	0.0000280	0.0000990	0.0004470
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000030	0.0000000	0.0000000
Cobalt	238.89	0.0000000	0.0000000	0.0007660	0.0001320
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000
Iron	234.35	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000060	0.0000000	0.0000110	0.0000000
Magnesium	279.08	0.0000000	0.0000000	-0.0000640	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000
Mercury					
Nickel	231.60	0.0000000	0.0000000	0.0000100	0.0000090
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	0.0000000	-0.0000080	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.24	-0.0000030	-0.0000100	-0.0000110	-0.0000540
Thallium	190.80	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000250	0.0000000	0.0010240	0.0000000
Zinc	213.86	0.0000000	0.0000000	0.0005840	0.0000000

Comments:

U.S. EPA

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: _____ Date: _____

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
Aluminum	308.22					
Antimony	217.59					
Arsenic						
Barium	455.40					
Beryllium	313.04					
Cadmium	226.50					
Calcium						
Chromium	267.72					
Cobalt	228.62					
Copper	324.75					
Iron	259.94					
Lead	220.35					
Magnesium	279.08					
Manganese	257.61					
Mercury						
Nickel	231.61					
Potassium						
Selenium						
Silver	328.07					
Sodium						
Thallium	190.86					
Vanadium	292.40					
Zinc	213.86					

Comments:

_____

_____

_____

_____

U.S. EPA
11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_2 Date: 04/09/96

Analyte	Wave-length (nm)	Interelement Correction Factors for: CO	PB			
Aluminum	396.15	0.0000000	0.0000000			
Antimony	206.83	0.0000020	-0.0000090			
Arsenic	193.70	0.0000000	-0.0000010			
Barium	233.53	0.0000000	-0.0000010			
Beryllium	313.04	-0.0000830	0.0124700			
Cadmium	214.44	0.0000000	-0.0000010			
Calcium	315.89	0.0024700	0.0000000			
Chromium	267.72	0.0000000	0.0000180			
Cobalt	238.89	0.0000000	0.0003650			
Copper	324.75	0.0000000	-0.0000010			
Iron	234.35	0.0000000	-0.0000230			
Lead	220.35	0.0003650	0.0000000			
Magnesium	279.08	-0.0000930	0.0000110			
Manganese	257.61	0.0000000	0.0000000			
Mercury						
Nickel	231.60	0.0000000	-0.0000120			
Potassium	766.49	0.0000000	0.0000010			
Selenium	196.03	0.0000000	0.0000000			
Silver	328.07	0.0000000	0.0000010			
Sodium	330.24	0.0000390	-0.0000054			
Thallium	190.80	0.0000000	-0.0000030			
Vanadium	292.40	-0.0000010	0.0000000			
Zinc	213.86	0.0000000	-0.0000019			

Comments:

U.S. EPA

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_3 Date: 01/15/96

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc						

Comments:

U.S. EPA
12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_1 Date: 08/20/96

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	5.00	500000.0	P
Antimony	5.00	20000.0	P
Arsenic			
Barium	5.00	20000.0	P
Beryllium	5.00	20000.0	P
Cadmium	5.00	20000.0	P
Calcium			
Chromium	5.00	20000.0	P
Cobalt	5.00	20000.0	P
Copper	5.00	20000.0	P
Iron	5.00	200000.0	P
Lead	5.00	20000.0	P
Magnesium	5.00	500000.0	P
Manganese	5.00	20000.0	P
Mercury			
Nickel	5.00	20000.0	P
Potassium			
Selenium			
Silver	5.00	20000.0	P
Sodium			
Thallium	5.00	20000.0	P
Vanadium	5.00	20000.0	P
Zinc	5.00	20000.0	P

Comments:

U.S. EPA
12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_2 Date: 05/31/96

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	P
Aluminum	5.00	500000.0	P
Antimony	5.00	50000.0	P
Arsenic	5.00	50000.0	P
Barium	5.00	20000.0	P
Beryllium	5.00	20000.0	P
Cadmium	5.00	20000.0	P
Calcium	5.00	500000.0	P
Chromium	5.00	50000.0	P
Cobalt	5.00	50000.0	P
Copper	5.00	50000.0	P
Iron	5.00	300000.0	P
Lead	5.00	50000.0	P
Magnesium	5.00	500000.0	P
Manganese	5.00	20000.0	P
Mercury			
Nickel	5.00	50000.0	P
Potassium	5.00	50000.0	P
Selenium	5.00	50000.0	PP
Silver	5.00	10000.0	P
Sodium	5.00	50000.0	P
Thallium	5.00	50000.0	P
Vanadium	5.00	50000.0	P
Zinc	5.00	50000.0	P

Comments:

U.S. EPA
12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Inchcape Testing Services Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 10809

ICP ID Number: ICP_3 Date: 07/20/96

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	5.00	500000.0	P
Antimony	5.00	20000.0	P
Arsenic	5.00	20000.0	P
Barium	5.00	20000.0	P
Beryllium	5.00	20000.0	P
Cadmium	5.00	20000.0	P
Calcium	5.00	500000.0	P
Chromium	5.00	20000.0	P
Cobalt	5.00	20000.0	P
Copper	5.00	20000.0	P
Iron	5.00	200000.0	P
Lead	5.00	20000.0	P
Magnesium	5.00	500000.0	P
Manganese	5.00	20000.0	P
Mercury			
Nickel	5.00	20000.0	P
Potassium	5.00	100000.0	P
Selenium	5.00	20000.0	P
Silver	5.00	10000.0	P
Sodium	5.00	100000.0	P
Thallium	5.00	20000.0	P
Vanadium	5.00	20000.0	P
Zinc	5.00	20000.0	P

Comments:

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
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RAW DATA

Inchcape Testing Services
Environmental Laboratories

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ICP

Sample Information Detail Report
Document Name: EPA_6010

File Description
Default Sample Informatio

Parameters Common To All Samples

ANALYST L Schaeper 11-15-96 Date

REVIEW Date

DATA ENTRY Date

AB630-80H AB395-55E
.. Lot #: 81AB78G ICS Lot #: 54F
AB630-81 AB630-81
ICV Lot #: C CCV Lot #: C
LCS & MS/MSD Lot #: 690913

Batch ID	p1875
Analyst Name	LSS
Volume Units	mL
Weight Units	g

Parameters That Vary With All Samples

	A/S Location	Sample ID	Initial Sample Wt.	Initial Sample Vol.
001	2	LRV1		1
002	3	LRV2		1
003	4	LRV3		1
004	5	LRV4		1
005	9	ICVA		1
006	10	ICB		1
007	11	CRII		1
008	12	ICSAI		1
009	13	ICSABI		1
010	14	CCVA1		1
011	15	CCB1		1
012	16	PBW:14912		100
013	17	LCS:14912		100
014	18	11383-2		100
015	19	11383-2D		100
016	20	11383-2MS		100
017	21	11383-2MD		100
018	22	11383-2L		100
019	23	PBW:14751		100
020	24	LCS:14751		100
021	25	10809-5		100
022	26	CCV2		1
023	27	CCB2		1
024	28	10809-5D		100
025	29	10809-5MS		100
026	30	10809-5MD		100
027	31	10809-5L		100
028	32	10809-4		100
029	33	10809-3		100
030	34	10809-1		100
031	35	RW		1
032	36	RWLCS		1
033	37	RWMS		1
034	38	CCV3		1
035	39	CCB3		1
036	40	RWMD		1
037	41	10809-3		1
038	42	10809-3D		1
039	43	10809-3L		1
040	44	10809-1		1
041	45	10809-4		1
042	46	10809-5		1
043	47	CRI		1
044	48	ICSA		1
045	49	ICSAB		1
046	50	CCV4		1
047	51	CCB4		1
048	52	PBW:15172		100

049	53	LCS:15172	100
050	54	12573-3	100
051	55	12573-3D	100
052	56	12573-4MS	100
053	57	12573-5MD	100
054	58	12573-3L	100
055	59	12573-1	100
056	60	12573-2	100
057	61	CCV5	1
058	62	CCB5	1
059	63	CRI	1
060	64	ICSA	1
061	65	ICSAB	1
062	66	CCV6	1
063	67	CCB6	1

	Sample Prep. Vol.	Aliquot Volume	Diluted To Vol.	* Sample Units
001	1			mg/L
002	1			mg/L
003	1			mg/L
004	1			mg/L
005	1			mg/L
006	1			mg/L
007	1			mg/L
008	1			mg/L
009	1			mg/L
010	1			mg/L
011	1			mg/L
012	100			mg/L
013	100			mg/L
014	100			mg/L
015	100			mg/L
016	100			mg/L
017	100			mg/L
018	100	1	5	mg/L
019	100			mg/L
020	100			mg/L
021	100			mg/L
022	1			mg/L
023	1			mg/L
024	100			mg/L
025	100			mg/L
026	100			mg/L
027	100	1	5	mg/L
028	100			mg/L
029	100			mg/L
030	100			mg/L
031	1			mg/L
032	1			mg/L
033	1			mg/L
034	1			mg/L
035	1			mg/L
036	1			mg/L
037	1			mg/L
038	1			mg/L
039	1	1	5	mg/L
040	1			mg/L
041	1			mg/L
042	1			mg/L
043	1			mg/L
044	1			mg/L

045	1			mg/L
046	1			mg/L
047	1			mg/L
048	100			mg/L
049	100			mg/L
050	100			mg/L
051	100			mg/L
052	100			mg/L
053	100			mg/L
054	100	1	5	mg/L
055	100			mg/L
056	100			mg/L
057	1			mg/L
058	1			mg/L
059	1			mg/L
060	1			mg/L
061	1			mg/L
062	1			mg/L
063	1			mg/L

	User Defined 1...
001	
002	
003	
004	
005	
006	
007	
008	
009	
010	
011	
012	14912
013	14912
014	14912
015	14912
016	14912
017	14912
018	14912
019	14751
020	14751
021	14751
022	
023	
024	14751
025	14751
026	14751
027	14751
028	14751
029	14751
030	14751
031	111596DI
032	111596DI
033	111596DI
034	
035	
036	111596DI
037	111596DI
038	111596DI
039	111596DI
040	111596DI

Method: EPA_6010M IEC: 111296.iec MSF:
Results: P1875RE1 Spectra Stored: Yes Method Stored: Yes
Sample Info: cbw User: User1 Date: 11/18/96 7:33:46 AM
Method Description: EPA_6010

Replicate Data
ID: IS Init Date: 11/18/96 7:33:48 AM

Repl#	Element	Net Intensity	Corrected Intensity
1	Y 324.228	370113.5	370113.5
2	Y 324.228	369506.2	369506.2

Mean Data
ID: IS Init Seq. No.: 1 A/S Pos: 0
Data: Reprocessed Date: 11/18/96 7:33:48 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD
Y 324.228	369809.8	429.44	0.12%

Replicate Data
ID: Calib Blank 1 Date: 11/18/96 7:34:56 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Y 324.228	369139.6	369139.6	0.998	mg/L
1	Ag 328.068	80.9	81.1	0	mg/L
1	Al 308.215	166.1	166.4	0	mg/L
1	As 193.696	6.3	6.3	0	mg/L
1	B 249.773	179.2	179.5	0	mg/L
1	Ba 233.527	-8.5	-8.5	0	mg/L
1	Be 313.042	564.2	565.3	0	mg/L
1	Ca 315.887	-30.0	-30.0	0	mg/L
1	Cd 214.438	140.2	140.5	0	mg/L
1	Co 238.892	-51.0	-51.1	0	mg/L
1	Cr 267.716	749.4	750.7	0	mg/L
1	Cu 324.754	1670.4	1673.5	0	mg/L
1	Fe 234.349	477.2	478.1	0	mg/L
1	K 766.491	-8196.1	-8211.0	0	mg/L
1	Mo 202.030	-3.1	-3.1	0	mg/L
1	Mn 257.610	63.4	63.5	0	mg/L
1	Mg 279.079	2.3	2.3	0	mg/L
1	Ni 231.604	-3.4	-3.4	0	mg/L
1	Pb 220.353	26.6	26.7	0	mg/L
1	Sn 189.933	4.9	4.9	0	mg/L
1	Se 196.026	9.7	9.7	0	mg/L
1	Sb 206.833	25.4	25.4	0	mg/L
1	V 292.402	-133.1	-133.4	0	mg/L
1	Tl 190.800	-28.0	-28.1	0	mg/L
1	Zn 213.856	480.8	481.6	0	mg/L
1	Na 330.237	446.3	447.1	0	mg/L
1	Sr 407.771	2015.6	2019.3	0	mg/L
1	K 404.721	3989.5	3996.7	0	mg/L
2	Y 324.228	369996.5	369996.5	1.001	mg/L
2	Ag 328.068	89.5	89.5	0	mg/L
2	Al 308.215	161.1	161.0	0	mg/L
2	As 193.696	7.6	7.6	0	mg/L
2	B 249.773	187.7	187.6	0	mg/L
2	Ba 233.527	-9.8	-9.8	0	mg/L
2	Be 313.042	540.3	540.1	0	mg/L
2	Ca 315.887	-10.0	-10.0	0	mg/L
2	Cd 214.438	137.0	136.9	0	mg/L
2	Co 238.892	-49.4	-49.4	0	mg/L
2	Cr 267.716	749.2	748.9	0	mg/L
2	Cu 324.754	1664.6	1663.8	0	mg/L
2	Fe 234.349	477.2	477.0	0	mg/L
2	K 766.491	-8121.3	-8117.2	0	mg/L
2	Mo 202.030	-4.4	-4.4	0	mg/L
2	Mn 257.610	54.7	54.6	0	mg/L

2	Mg 279.079	5.8	5.8	0	mg/L
2	Ni 231.604	-0.1	-0.1	0	mg/L
2	Pb 220.353	29.8	29.8	0	mg/L
2	Sn 189.933	8.2	8.2	0	mg/L
2	Se 196.026	18.9	18.9	0	mg/L
2	Sb 206.833	24.4	24.4	0	mg/L
2	V 292.402	-116.2	-116.1	0	mg/L
2	Tl 190.800	-21.0	-21.0	0	mg/L
2	Zn 213.856	483.5	483.2	0	mg/L
2	Na 330.237	449.2	449.0	0	mg/L
2	Sr 407.771	1932.0	1931.0	0	mg/L
2	K 404.721	4035.4	4033.3	0	mg/L

Mean Data ----------

ID: Calib Blank 1 Seq. No.: 2 A/S Pos: 0

Data: Reprocessed Date: 11/18/96 7:34:56 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 324.228	369568.0	605.92	0.16%	0.999	mg/L
Ag 328.068	85.3	5.97	7.00%	0	mg/L
Al 308.215	163.7	3.81	2.32%	0	mg/L
As 193.696	6.9	0.90	12.95%	0	mg/L
B 249.773	183.6	5.72	3.12%	0	mg/L
Ba 233.527	-9.1	0.92	10.11%	0	mg/L
Be 313.042	552.7	17.80	3.22%	0	mg/L
Ca 315.887	-20.0	14.17	70.85%	0	mg/L
Cd 214.438	138.7	2.53	1.82%	0	mg/L
Co 238.892	-50.2	1.21	2.42%	0	mg/L
Cr 267.716	749.8	1.31	0.18%	0	mg/L
Cu 324.754	1668.6	6.87	0.41%	0	mg/L
Fe 234.349	477.5	0.79	0.16%	0	mg/L
K 766.491	-8164.1	66.27	0.81%	0	mg/L
Mo 202.030	-3.8	0.93	24.66%	0	mg/L
Mn 257.610	59.1	6.27	10.62%	0	mg/L
Mg 279.079	4.0	2.42	59.69%	0	mg/L
Ni 231.604	-1.7	2.34	136.28%	0	mg/L
Pb 220.353	28.2	2.22	7.86%	0	mg/L
Sn 189.933	6.5	2.29	35.14%	0	mg/L
Se 196.026	14.3	6.55	45.80%	0	mg/L
Sb 206.833	24.9	0.74	2.96%	0	mg/L
V 292.402	-124.7	12.19	9.77%	0	mg/L
Tl 190.800	-24.5	5.03	20.53%	0	mg/L
Zn 213.856	482.4	1.12	0.23%	0	mg/L
Na 330.237	448.1	1.35	0.30%	0	mg/L
Sr 407.771	1975.2	62.40	3.16%	0	mg/L
K 404.721	4015.0	25.88	0.64%	0	mg/L

Calibration Standard disproportionate. Check Std. Conc. and reanalyze element: K 404.721

Replicate Data ----------

ID: Calib Std 1 Date: 11/18/96 7:35:51 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Y 324.228	367203.8	367203.8	0.993	mg/L
1	Ag 328.068	21481.9	21634.4	0.50000	mg/L
1	As 193.696	193.9	195.3	0.50000	mg/L
1	B 249.773	24895.5	25072.2	1.00000	mg/L
1	Ba 233.527	32111.5	32339.4	1.00000	mg/L
1	Cd 214.438	15043.9	15150.7	0.50000	mg/L
1	Co 238.892	23575.3	23742.6	1.00000	mg/L
1	Cr 267.716	58706.5	59123.2	1.00000	mg/L
1	Mo 202.030	5131.2	5167.6	1.00000	mg/L
1	Mn 257.610	186618.0	187942.5	1.00000	mg/L
1	Ni 231.604	6882.7	6931.6	1.00000	mg/L
1	Pb 220.353	2442.9	2460.2	1.00000	mg/L
1	Sn 189.933	1246.1	1254.9	1.00000	mg/L
1	Sb 206.833	866.2	872.4	1.00000	mg/L
1	Tl 190.800	492.9	496.4	0.50000	mg/L
2	Y 324.228	367971.2	367971.2	0.995	mg/L
2	Ag 328.068	21594.9	21702.8	0.50000	mg/L
2	As 193.696	193.6	194.5	0.50000	mg/L
2	B 249.773	25028.8	25153.9	1.00000	mg/L
2	Ba 233.527	32040.5	32200.6	1.00000	mg/L

2	Cd 214.438	14947.8	15022.5	0.50000 mg/L
2	Co 238.892	23603.3	23721.3	1.00000 mg/L
2	Cr 267.716	58645.4	58938.5	1.00000 mg/L
2	Mo 202.030	5155.7	5181.5	1.00000 mg/L
2	Mn 257.610	186446.9	187378.6	1.00000 mg/L
2	Ni 231.604	6872.7	6907.0	1.00000 mg/L
2	Pb 220.353	2455.4	2467.7	1.00000 mg/L
2	Sn 189.933	1250.5	1256.7	1.00000 mg/L
2	Sb 206.833	861.0	865.3	1.00000 mg/L
2	Tl 190.800	488.5	490.9	0.50000 mg/L

Mean Data

ID: Calib Std 1 Seq. No.: 3 A/S Pos: 0
Data: Reprocessed Date: 11/18/96 7:35:51 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 324.228	367587.5	542.63	0.15%	0.994	mg/L
Ag 328.068	21668.6	48.39	0.22%	0.50000	mg/L
As 193.696	194.9	0.52	0.27%	0.50000	mg/L
B 249.773	25113.0	57.78	0.23%	1.00000	mg/L
Ba 233.527	32270.0	98.11	0.30%	1.00000	mg/L
Cd 214.438	15086.6	90.67	0.60%	0.50000	mg/L
Co 238.892	23731.9	15.08	0.06%	1.00000	mg/L
Cr 267.716	59030.8	130.61	0.22%	1.00000	mg/L
Mo 202.030	5174.6	9.82	0.19%	1.00000	mg/L
Mn 257.610	187660.5	398.74	0.21%	1.00000	mg/L
Ni 231.604	6919.3	17.35	0.25%	1.00000	mg/L
Pb 220.353	2464.0	5.29	0.21%	1.00000	mg/L
Sn 189.933	1255.8	1.25	0.10%	1.00000	mg/L
Sb 206.833	868.9	4.99	0.57%	1.00000	mg/L
Tl 190.800	493.7	3.87	0.78%	0.50000	mg/L

Replicate Data

ID: Calib Std 2 Date: 11/18/96 7:36:14 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Y 324.228	355068.8	355068.8	0.960	mg/L
1	K 766.491	7038648.7	7330865.1	25.00000	mg/L
1	Na 330.237	6959.1	7248.0	25.00000	mg/L
1	K 404.721	1346.1	1402.0	25.00000	mg/L
2	Y 324.228	353983.7	353983.7	0.957	mg/L
2	K 766.491	7016423.0	7330118.3	25.00000	mg/L
2	Na 330.237	6839.7	7145.4	25.00000	mg/L
2	K 404.721	1305.1	1363.4	25.00000	mg/L

Mean Data

ID: Calib Std 2 Seq. No.: 4 A/S Pos: 0
Data: Reprocessed Date: 11/18/96 7:36:14 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 324.228	354526.3	767.30	0.22%	0.959	mg/L
K 766.491	7330491.7	528.06	0.01%	25.00000	mg/L
Na 330.237	7196.7	72.52	1.01%	25.00000	mg/L
K 404.721	1382.7	27.26	1.97%	25.00000	mg/L

Calibration Standard disproportionate. Check Std. Conc. and reanalyze element: K 404.721

Replicate Data

ID: Calib Std 3 Date: 11/18/96 7:36:29 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Y 324.228	329626.0	329626.0	0.891	mg/L
1	Al 308.215	156550.2	175634.8	50.00000	mg/L
1	Ca 315.887	3217646.4	3609901.8	250.00000	mg/L
1	Fe 234.349	525736.1	589827.3	50.00000	mg/L
1	Mg 279.079	94070.7	105538.6	50.00000	mg/L
2	Y 324.228	329299.3	329299.3	0.890	mg/L
2	Al 308.215	156678.1	175952.7	50.00000	mg/L
2	Ca 315.887	3224366.8	3621029.3	250.00000	mg/L

2 Fe 234.349	525961.5	590665.4	50.00000	mg/L
2 Mg 279.079	94103.1	105679.6	50.00000	mg/L

Mean Data
ID: Calib Std 3 Seq. No.: 5 A/S Pos: 0
Data: Reprocessed Date: 11/18/96 7:36:29 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 324.228	329462.6	230.95	0.07%	0.891	mg/L
Al 308.215	175793.8	224.77	0.13%	50.00000	mg/L
Ca 315.887	3615465.6	7868.34	0.22%	250.00000	mg/L
Fe 234.349	590246.4	592.68	0.10%	50.00000	mg/L
Mg 279.079	105609.1	99.70	0.09%	50.00000	mg/L

Replicate Data
ID: Calib Std 4 Date: 11/18/96 7:36:50 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Y 324.228	363563.4	363563.4	0.983	mg/L
1	Be 313.042	494288.1	502780.5	0.50000	mg/L
1	Cu 324.754	125904.5	128067.6	1.0000	mg/L
1	Se 196.026	956.2	972.6	1.0000	mg/L
1	V 292.402	61357.7	62411.9	1.0000	mg/L
1	Zn 213.856	45344.8	46123.9	1.0000	mg/L
2	Y 324.228	365791.3	365791.3	0.989	mg/L
2	Be 313.042	494551.3	499984.4	0.50000	mg/L
2	Cu 324.754	127303.8	128702.3	1.0000	mg/L
2	Se 196.026	951.6	962.1	1.0000	mg/L
2	V 292.402	61732.2	62410.4	1.0000	mg/L
2	Zn 213.856	45397.8	45896.6	1.0000	mg/L

Mean Data
ID: Calib Std 4 Seq. No.: 6 A/S Pos: 0
Data: Reprocessed Date: 11/18/96 7:36:50 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 324.228	364677.4	1575.33	0.43%	0.986	mg/L
Be 313.042	501382.4	1977.16	0.39%	0.50000	mg/L
Cu 324.754	128385.0	448.80	0.35%	1.0000	mg/L
Se 196.026	967.4	7.45	0.77%	1.0000	mg/L
V 292.402	62411.2	1.09	0.00%	1.0000	mg/L
Zn 213.856	46010.2	160.76	0.35%	1.0000	mg/L

Replicate Data
ID: LRV1 Date: 11/18/96 7:37:57 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	363437.9	363437.9	0.983	mg/L		
1	Ag 328.068	21171.9	21543.1	0.49709	mg/L	0.49709	mg/L
1	Al 308.215	396.9	403.8	0.07051	mg/L	0.07051	mg/L
1	As 193.696	194.3	197.7	0.50527	mg/L	0.50527	mg/L
1	B 249.773	24807.3	25242.3	1.0052	mg/L	1.0052	mg/L
1	Ba 233.527	31414.0	31964.7	0.99054	mg/L	0.99054	mg/L
1	Be 313.042	480765.3	489194.4	0.48733	mg/L	0.48733	mg/L
1	Ca 315.887	411.1	418.3	0.03280	mg/L	0.03280	mg/L
1	Cd 214.438	14639.0	14895.7	0.49448	mg/L	0.49448	mg/L
1	Co 238.892	23506.4	23918.5	1.0127	mg/L	1.0127	mg/L
1	Cr 267.716	57653.6	58664.4	0.99723	mg/L	0.99723	mg/L
1	Cu 324.754	122630.4	124780.4	0.97123	mg/L	0.97123	mg/L
1	Fe 234.349	705.9	718.3	0.02041	mg/L	0.02041	mg/L
1	K 766.491	-5018.1	-5106.0	0.01042	mg/L	0.01042	mg/L
1	Mo 202.030	5077.2	5166.2	0.99878	mg/L	0.99878	mg/L
1	Mn 257.610	184344.4	187576.4	0.99955	mg/L	0.99955	mg/L
1	Mg 279.079	84.6	86.1	0.04887	mg/L	0.04887	mg/L
1	Ni 231.604	6808.3	6927.6	1.0012	mg/L	1.0012	mg/L
1	Pb 220.353	2426.0	2468.6	1.0047	mg/L	1.0047	mg/L
1	Sn 189.933	1231.0	1252.6	1.0001	mg/L	1.0001	mg/L
1	Se 196.026	954.8	971.5	1.0015	mg/L	1.0015	mg/L
1	Sb 206.833	855.7	870.7	1.0078	mg/L	1.0078	mg/L

1	V 292.402	59312.0	60351.9	0.96708	mg/L	0.96708 mg/L
1	Tl 190.800	486.4	495.0	0.50236	mg/L	0.50236 mg/L
1	Zn 213.856	47806.4	48644.6	1.0579	mg/L	1.0579 mg/L
1	Na 330.237	488.9	497.5	0.18296	mg/L	0.18296 mg/L
1	Sr 407.771	2558.1	2602.9			
1	K 404.721	3956.2	4025.6	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	365106.4	365106.4	0.987	mg/L	
2	Ag 328.068	21176.0	21448.8	0.49491	mg/L	0.49491 mg/L
2	Al 308.215	398.3	403.4	0.07038	mg/L	0.07038 mg/L
2	As 193.696	191.5	194.0	0.49539	mg/L	0.49539 mg/L
2	B 249.773	24873.0	25193.4	1.0032	mg/L	1.0032 mg/L
2	Ba 233.527	31372.6	31776.7	0.98472	mg/L	0.98472 mg/L
2	Be 313.042	482555.1	488771.6	0.48691	mg/L	0.48691 mg/L
2	Ca 315.887	377.0	381.9	0.03028	mg/L	0.03028 mg/L
2	Cd 214.438	14613.8	14802.0	0.49135	mg/L	0.49135 mg/L
2	Co 238.892	23537.4	23840.6	1.0095	mg/L	1.0095 mg/L
2	Cr 267.716	57701.6	58445.0	0.99347	mg/L	0.99347 mg/L
2	Cu 324.754	122651.4	124231.5	0.96690	mg/L	0.96690 mg/L
2	Fe 234.349	690.3	699.2	0.01879	mg/L	0.01879 mg/L
2	K 766.491	-5364.9	-5434.1	0.00930	mg/L	0.00930 mg/L
2	Mo 202.030	5106.4	5172.2	0.99993	mg/L	0.99993 mg/L
2	Mn 257.610	184851.0	187232.4	0.99772	mg/L	0.99772 mg/L
2	Mg 279.079	83.3	84.4	0.04806	mg/L	0.04806 mg/L
2	Ni 231.604	6809.0	6896.7	0.99674	mg/L	0.99674 mg/L
2	Pb 220.353	2419.0	2450.2	0.99716	mg/L	0.99716 mg/L
2	Sn 189.933	1236.0	1251.9	0.99952	mg/L	0.99952 mg/L
2	Se 196.026	954.4	966.7	0.99642	mg/L	0.99642 mg/L
2	Sb 206.833	858.4	869.4	1.0063	mg/L	1.0063 mg/L
2	V 292.402	59379.6	60144.6	0.96376	mg/L	0.96376 mg/L
2	Tl 190.800	488.9	495.2	0.50258	mg/L	0.50258 mg/L
2	Zn 213.856	47758.5	48373.7	1.0519	mg/L	1.0519 mg/L
2	Na 330.237	484.5	490.7	0.15793	mg/L	0.15793 mg/L
2	Sr 407.771	2682.0	2716.5			
2	K 404.721	4057.0	4109.2	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: LRV1 Seq. No.: 7 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:37:57 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	364272.1	0.985	0.0032	mg/L				0.32%
Ag 328.068	21495.9	0.49600	0.001544	mg/L	0.49600✓	0.001544	mg/L	0.31%
Al 308.215	403.6	0.07045	0.000093	mg/L	0.07045	0.000093	mg/L	0.13%
As 193.696	195.8	0.50033	0.006990	mg/L	0.50033✓	0.006990	mg/L	1.40%
B 249.773	25217.8	1.0042	0.00139	mg/L	1.0042✓	0.00139	mg/L	0.14%
Ba 233.527	31870.7	0.98763	0.004119	mg/L	0.98763✓	0.004119	mg/L	0.42%
Be 313.042	488983.0	0.48712	0.000297	mg/L	0.48712✓	0.000297	mg/L	0.06%
Ca 315.887	400.1	0.03154	0.001786	mg/L	0.03154	0.001786	mg/L	5.66%
Cd 214.438	14848.9	0.49292	0.002216	mg/L	0.49292✓	0.002216	mg/L	0.45%
Co 238.892	23879.6	1.0111	0.00231	mg/L	1.0111✓	0.00231	mg/L	0.23%
Cr 267.716	58554.7	0.99535	0.002659	mg/L	0.99535✓	0.002659	mg/L	0.27%
Cu 324.754	124506.0	0.96906	0.003065	mg/L	0.96906✓	0.003065	mg/L	0.32%
Fe 234.349	708.7	0.01960	0.001145	mg/L	0.01960	0.001145	mg/L	5.84%
K 766.491	-5270.1	0.00986	0.000790	mg/L	0.00986	0.000790	mg/L	8.01%
Mo 202.030	5169.2	0.99935	0.000813	mg/L	0.99935✓	0.000813	mg/L	0.08%
Mn 257.610	187404.4	0.99863	0.001297	mg/L	0.99863✓	0.001297	mg/L	0.13%
Mg 279.079	85.2	0.04846	0.000574	mg/L	0.04846	0.000574	mg/L	1.18%
Ni 231.604	6912.2	0.99897	0.003157	mg/L	0.99897✓	0.003157	mg/L	0.32%
Pb 220.353	2459.4	1.0009	0.00534	mg/L	1.0009✓	0.00534	mg/L	0.53%
Sn 189.933	1252.2	0.99980	0.000386	mg/L	0.99980✓	0.000386	mg/L	0.04%
Se 196.026	969.1	0.99894	0.003557	mg/L	0.99894✓	0.003557	mg/L	0.36%
Sb 206.833	870.0	1.0070	0.00107	mg/L	1.0070✓	0.00107	mg/L	0.11%
V 292.402	60248.2	0.96542	0.002345	mg/L	0.96542✓	0.002345	mg/L	0.24%
Tl 190.800	495.1	0.50247	0.000152	mg/L	0.50247✓	0.000152	mg/L	0.03%
Zn 213.856	48509.2	1.0549	0.00421	mg/L	1.0549✓	0.00421	mg/L	0.40%
Na 330.237	494.1	0.17044	0.017692	mg/L	0.17044	0.017692	mg/L	10.38%
Sr 407.771	2659.7							3.02%
K 404.721	4067.4	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: LRV2 Date: 11/18/96 7:39:21 AM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Y 324.228	351131.4	351131.4	0.949	mg/L		
1	Ag 328.068	157.4	165.8	0.00186	mg/L	0.00186	mg/L
1	Al 308.215	149.4	157.4	-0.00180	mg/L	-0.00180	mg/L
1	As 193.696	8.6	9.1	0.00576	mg/L	0.00576	mg/L
1	B 249.773	273.1	287.6	0.00417	mg/L	0.00417	mg/L
1	Ba 233.527	8.7	9.2	0.00057	mg/L	0.00057	mg/L
1	Be 313.042	894.4	941.9	0.00039	mg/L	0.00039	mg/L
1	Ca 315.887	95.1	100.1	0.00831	mg/L	0.00831	mg/L
1	Cd 214.438	144.2	151.8	0.00044	mg/L	0.00044	mg/L
1	Co 238.892	-39.7	-41.8	0.00039	mg/L	0.00039	mg/L
1	Cr 267.716	788.2	830.1	0.00141	mg/L	0.00141	mg/L
1	Cu 324.754	1723.8	1815.5	0.00115	mg/L	0.00115	mg/L
1	Fe 234.349	489.5	515.6	0.00322	mg/L	0.00322	mg/L
1	K 766.491	6993252.4	7365259.6	25.118	mg/L	25.118	mg/L
1	Mo 202.030	35.6	37.5	0.00797	mg/L	0.00797	mg/L
1	Mn 257.610	135.1	142.3	0.00044	mg/L	0.00044	mg/L
1	Mg 279.079	10.5	11.0	0.00332	mg/L	0.00332	mg/L
1	Ni 231.604	6.4	6.8	0.00123	mg/L	0.00123	mg/L
1	Pb 220.353	34.7	36.6	0.00345	mg/L	0.00345	mg/L
1	Sn 189.933	10.9	11.5	0.00400	mg/L	0.00400	mg/L
1	Se 196.026	25.2	26.5	0.01279	mg/L	0.01279	mg/L
1	Sb 206.833	27.6	29.1	0.00496	mg/L	0.00496	mg/L
1	V 292.402	-81.2	-85.6	0.00063	mg/L	0.00063	mg/L
1	Tl 190.800	-23.7	-25.0	-0.00043	mg/L	-0.00043	mg/L
1	Zn 213.856	521.0	548.7	0.00145	mg/L	0.00145	mg/L
1	Na 330.237	6897.3	7264.2	25.250	mg/L	25.250	mg/L
1	Sr 407.771	3326.4	3503.3				
1	K 404.721	1364.9	1437.5	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	354150.9	354150.9	0.958	mg/L		
2	Ag 328.068	136.7	142.7	0.00133	mg/L	0.00133	mg/L
2	Al 308.215	111.1	116.0	-0.01359	mg/L	-0.01359	mg/L
2	As 193.696	4.9	5.1	-0.00476	mg/L	-0.00476	mg/L
2	B 249.773	262.3	273.9	0.00362	mg/L	0.00362	mg/L
2	Ba 233.527	1.3	1.4	0.00033	mg/L	0.00033	mg/L
2	Be 313.042	820.8	857.1	0.00030	mg/L	0.00030	mg/L
2	Ca 315.887	90.1	94.0	0.00789	mg/L	0.00789	mg/L
2	Cd 214.438	138.1	144.3	0.00019	mg/L	0.00019	mg/L
2	Co 238.892	-47.3	-49.4	0.00006	mg/L	0.00006	mg/L
2	Cr 267.716	789.3	824.2	0.00130	mg/L	0.00130	mg/L
2	Cu 324.754	1645.0	1717.7	0.00038	mg/L	0.00038	mg/L
2	Fe 234.349	487.3	508.8	0.00265	mg/L	0.00265	mg/L
2	K 766.491	7077882.9	7390834.5	25.206	mg/L	25.206	mg/L
2	Mo 202.030	25.3	26.4	0.00583	mg/L	0.00583	mg/L
2	Mn 257.610	115.5	120.6	0.00033	mg/L	0.00033	mg/L
2	Mg 279.079	8.3	8.7	0.00221	mg/L	0.00221	mg/L
2	Ni 231.604	6.0	6.3	0.00116	mg/L	0.00116	mg/L
2	Pb 220.353	36.6	38.2	0.00411	mg/L	0.00411	mg/L
2	Sn 189.933	8.9	9.3	0.00223	mg/L	0.00223	mg/L
2	Se 196.026	23.8	24.9	0.01110	mg/L	0.01110	mg/L
2	Sb 206.833	22.8	23.8	-0.00126	mg/L	-0.00126	mg/L
2	V 292.402	-83.3	-87.0	0.00060	mg/L	0.00060	mg/L
2	Tl 190.800	-18.9	-19.7	0.00463	mg/L	0.00463	mg/L
2	Zn 213.856	507.7	530.2	0.00105	mg/L	0.00105	mg/L
2	Na 330.237	6932.8	7239.4	25.158	mg/L	25.158	mg/L
2	Sr 407.771	3400.8	3551.1				
2	K 404.721	1406.2	1468.4	0.00000	mg/L	0.00000	mg/L

Mean Data ----------

ID: LRV2 Seq. No.: 8 Sample No.: 0 A/S Pos: 0

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 7:39:21 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 324.228	352641.1	0.954	0.0058	mg/L				0.61%
Ag 328.068	154.2	0.00160	0.000377	mg/L	0.00160	0.000377	mg/L	23.63%
Al 308.215	136.7	-0.00770	0.008333	mg/L	-0.00770	0.008333	mg/L	108.28%
As 193.696	7.1	0.00050	0.007443	mg/L	0.00050	0.007443	mg/L	1483.4%
B 249.773	280.8	0.00390	0.000390	mg/L	0.00390	0.000390	mg/L	10.01%
Ba 233.527	5.3	0.00045	0.000170	mg/L	0.00045	0.000170	mg/L	38.16%
Be 313.042	899.5	0.00035	0.000060	mg/L	0.00035	0.000060	mg/L	17.31%
Ca 315.887	97.1	0.00810	0.000297	mg/L	0.00810	0.000297	mg/L	3.67%
Cd 214.438	148.0	0.00032	0.000180	mg/L	0.00032	0.000180	mg/L	56.73%

Co 238.892	-45.6	0.00023	0.000235	mg/L	0.00023	0.000235 mg/L	102.88%
Cr 267.716	827.2	0.00135	0.000077	mg/L	0.00135	0.000077 mg/L	5.70%
Cu 324.754	1766.6	0.00077	0.000545	mg/L	0.00077	0.000545 mg/L	70.86%
Fe 234.349	512.2	0.00294	0.000405	mg/L	0.00294	0.000405 mg/L	13.79%
K 766.491	7378047.1	25.162	0.0616	mg/L	25.162	0.0616 mg/L	0.24%
Mo 202.030	31.9	0.00690	0.001515	mg/L	0.00690	0.001515 mg/L	21.97%
Mn 257.610	131.4	0.00039	0.000082	mg/L	0.00039	0.000082 mg/L	21.19%
Mg 279.079	9.9	0.00276	0.000783	mg/L	0.00276	0.000783 mg/L	28.33%
Ni 231.604	6.5	0.00119	0.000047	mg/L	0.00119	0.000047 mg/L	3.98%
Pb 220.353	37.4	0.00378	0.000469	mg/L	0.00378	0.000469 mg/L	12.40%
Sn 189.933	10.4	0.00311	0.001246	mg/L	0.00311	0.001246 mg/L	40.02%
Se 196.026	25.7	0.01194	0.001196	mg/L	0.01194	0.001196 mg/L	10.02%
Sb 206.833	26.5	0.00185	0.004397	mg/L	0.00185	0.004397 mg/L	237.65%
V 292.402	-86.3	0.00062	0.000016	mg/L	0.00062	0.000016 mg/L	2.57%
Tl 190.800	-22.3	0.00210	0.003574	mg/L	0.00210	0.003574 mg/L	170.33%
Zn 213.856	539.4	0.00125	0.000287	mg/L	0.00125	0.000287 mg/L	22.96%
Na 330.237	7251.8	25.204	0.0650	mg/L	25.204	0.0650 mg/L	0.26%
Sr 407.771	3527.2						0.96%
K 404.721	1453.0	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: LRV3 Date: 11/18/96 7:40:47 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	329941.3	329941.3	0.892	mg/L		
1	Ag 328.068	-175.7	-196.9	-0.00654	mg/L	-0.00654	mg/L
1	Al 308.215	158205.4	177322.2	50.435	mg/L	50.435	mg/L
1	As 193.696	21.2	23.7	-0.01345	mg/L	-0.01345	mg/L
1	B 249.773	661.0	740.8	0.02235	mg/L	0.02235	mg/L
1	Ba 233.527	30.4	34.1	0.00134	mg/L	0.00134	mg/L
1	Be 313.042	852.3	955.2	0.00040	mg/L	0.00040	mg/L
1	Ca 315.887	3222873.9	3612310.6	249.78	mg/L	249.78	mg/L
1	Cd 214.438	239.7	268.6	0.00331	mg/L	0.00331	mg/L
1	Co 238.892	972.2	1089.7	0.04793	mg/L	0.04793	mg/L
1	Cr 267.716	795.9	892.1	0.00244	mg/L	0.00244	mg/L
1	Cu 324.754	1870.8	2096.9	0.00339	mg/L	0.00339	mg/L
1	Fe 234.349	528149.7	591968.8	50.146	mg/L	50.146	mg/L
1	K 766.491	17381137.1	19481390.7	66.393	mg/L	66.393	mg/L
1	Mo 202.030	-3.7	-4.2	-0.00007	mg/L	-0.00007	mg/L
1	Mn 257.610	444.7	498.4	0.00234	mg/L	0.00234	mg/L
1	Mg 279.079	94003.0	105361.9	49.883	mg/L	49.883	mg/L
1	Ni 231.604	6.1	6.8	0.00123	mg/L	0.00123	mg/L
1	Pb 220.353	50.1	56.1	0.00107	mg/L	0.00107	mg/L
1	Sn 189.933	18.9	21.2	0.07671	mg/L	0.07671	mg/L
1	Se 196.026	26.1	29.2	-0.00271	mg/L	-0.00271	mg/L
1	Sb 206.833	21.4	24.0	0.04788	mg/L	0.04788	mg/L
1	V 292.402	623.9	699.2	0.01318	mg/L	0.01318	mg/L
1	Tl 190.800	-22.3	-25.0	-0.00060	mg/L	-0.00060	mg/L
1	Zn 213.856	1094.9	1227.2	0.01636	mg/L	0.01636	mg/L
1	Na 330.237	15483.7	17354.7	62.629	mg/L	62.629	mg/L
1	Sr 407.771	155703.6	174518.0				
1	K 404.721	-2393.6	-2682.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	330544.2	330544.2	0.894	mg/L		
2	Ag 328.068	-180.9	-202.4	-0.00666	mg/L	-0.00666	mg/L
2	Al 308.215	158172.1	176961.5	50.333	mg/L	50.333	mg/L
2	As 193.696	20.4	22.8	-0.01584	mg/L	-0.01584	mg/L
2	B 249.773	687.5	769.2	0.02349	mg/L	0.02349	mg/L
2	Ba 233.527	19.0	21.3	0.00094	mg/L	0.00094	mg/L
2	Be 313.042	827.2	925.5	0.00037	mg/L	0.00037	mg/L
2	Ca 315.887	3230669.4	3614443.1	249.93	mg/L	249.93	mg/L
2	Cd 214.438	239.5	268.0	0.00329	mg/L	0.00329	mg/L
2	Co 238.892	972.2	1087.7	0.04785	mg/L	0.04785	mg/L
2	Cr 267.716	792.1	886.2	0.00234	mg/L	0.00234	mg/L
2	Cu 324.754	1899.0	2124.6	0.00360	mg/L	0.00360	mg/L
2	Fe 234.349	529155.5	592014.3	50.150	mg/L	50.150	mg/L
2	K 766.491	17435028.6	19506149.1	66.478	mg/L	66.478	mg/L
2	Mo 202.030	-4.5	-5.1	-0.00024	mg/L	-0.00024	mg/L
2	Mn 257.610	444.1	496.9	0.00233	mg/L	0.00233	mg/L
2	Mg 279.079	94168.6	105355.0	49.880	mg/L	49.880	mg/L
2	Ni 231.604	8.6	9.6	0.00163	mg/L	0.00163	mg/L
2	Pb 220.353	47.9	53.6	0.00004	mg/L	0.00004	mg/L
2	Sn 189.933	16.1	18.0	0.07414	mg/L	0.07414	mg/L
2	Se 196.026	19.1	21.3	-0.01097	mg/L	-0.01097	mg/L

2 Sb 206.833	22.3	24.9	0.04899 mg/L	0.04899 mg/L	
2 V 292.402	632.1	707.2	0.01330 mg/L	0.01330 mg/L	
2 Tl 190.800	-25.5	-28.5	-0.00402 mg/L	-0.00402 mg/L	
2 Zn 213.856	1105.4	1236.7	0.01657 mg/L	0.01657 mg/L	
2 Na 330.237	15498.3	17339.4	62.573 mg/L	62.573 mg/L	
2 Sr 407.771	155804.0	174312.1			
2 K 404.721	-2392.6	-2676.8	0.00000 mg/L	0.00000 mg/L	

Mean Data

ID: LRV3 Seq. No.: 9 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:40:47 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	330242.8	0.893	0.0012	mg/L				0.13%
Ag 328.068	-199.7	-0.00660	0.000090	mg/L	-0.00660	0.000090	mg/L	1.36%
Al 308.215	177141.8	50.384	0.0726	mg/L	50.384	0.0726	mg/L	0.14%
As 193.696	23.2	-0.01464	0.001693	mg/L	-0.01464	0.001693	mg/L	11.56%
B 249.773	755.0	0.02292	0.000803	mg/L	0.02292	0.000803	mg/L	3.51%
Ba 233.527	27.7	0.00114	0.000280	mg/L	0.00114	0.000280	mg/L	24.57%
Be 313.042	940.4	0.00038	0.000021	mg/L	0.00038	0.000021	mg/L	5.53%
Ca 315.887	3613376.8	249.86	0.104	mg/L	249.86	0.104	mg/L	0.04%
Cd 214.438	268.3	0.00330	0.000013	mg/L	0.00330	0.000013	mg/L	0.40%
Co 238.892	1088.7	0.04789	0.000060	mg/L	0.04789	0.000060	mg/L	0.12%
Cr 267.716	889.2	0.00239	0.000072	mg/L	0.00239	0.000072	mg/L	3.00%
Cu 324.754	2110.7	0.00350	0.000155	mg/L	0.00350	0.000155	mg/L	4.43%
Fe 234.349	591991.6	50.148	0.0027	mg/L	50.148	0.0027	mg/L	0.01%
K 766.491	19493769.9	66.436	0.0596	mg/L	66.436	0.0596	mg/L	0.09%
Mo 202.030	-4.6	-0.00016	0.000125	mg/L	-0.00016	0.000125	mg/L	80.11%
Mn 257.610	497.6	0.00234	0.000006	mg/L	0.00234	0.000006	mg/L	0.25%
Mg 279.079	105358.4	49.881	0.0023	mg/L	49.881	0.0023	mg/L	0.00%
Ni 231.604	8.2	0.00143	0.000283	mg/L	0.00143	0.000283	mg/L	19.77%
Pb 220.353	54.8	0.00056	0.000727	mg/L	0.00056	0.000727	mg/L	130.44%
Sn 189.933	19.6	0.07543	0.001815	mg/L	0.07543	0.001815	mg/L	2.41%
Se 196.026	25.3	-0.00684	0.005840	mg/L	-0.00684	0.005840	mg/L	85.33%
Sb 206.833	24.5	0.04843	0.000785	mg/L	0.04843	0.000785	mg/L	1.62%
V 292.402	703.2	0.01324	0.000090	mg/L	0.01324	0.000090	mg/L	0.68%
Tl 190.800	-26.8	-0.00231	0.002418	mg/L	-0.00231	0.002418	mg/L	104.70%
Zn 213.856	1231.9	0.01646	0.000147	mg/L	0.01646	0.000147	mg/L	0.89%
Na 330.237	17347.0	62.601	0.0400	mg/L	62.601	0.0400	mg/L	0.06%
Sr 407.771	174415.1							0.08%
K 404.721	-2679.8	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: LRV4 Date: 11/18/96 7:42:18 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	366310.6	366310.6	0.991	mg/L		
1	Ag 328.068	104.0	105.0	0.00046	mg/L	0.00046	mg/L
1	Al 308.215	308.2	311.2	0.04198	mg/L	0.04198	mg/L
1	As 193.696	7.0	7.0	-0.00015	mg/L	-0.00015	mg/L
1	B 249.773	232.3	234.6	0.00205	mg/L	0.00205	mg/L
1	Ba 233.527	2.4	2.4	0.00036	mg/L	0.00036	mg/L
1	Be 313.042	491884.3	496583.2	0.49470	mg/L	0.49470	mg/L
1	Ca 315.887	2336.8	2359.2	0.16706	mg/L	0.16706	mg/L
1	Cd 214.438	135.3	136.6	-0.00004	mg/L	-0.00004	mg/L
1	Co 238.892	-38.8	-39.2	0.00047	mg/L	0.00047	mg/L
1	Cr 267.716	748.6	755.8	0.00011	mg/L	0.00011	mg/L
1	Cu 324.754	125028.5	126222.9	0.98337	mg/L	0.98337	mg/L
1	Fe 234.349	824.2	832.1	0.03006	mg/L	0.03006	mg/L
1	K 766.491	7399.7	7470.4	0.05326	mg/L	0.05326	mg/L
1	Mo 202.030	1.6	1.6	0.00144	mg/L	0.00144	mg/L
1	Mn 257.610	59.1	59.7	0.00000	mg/L	0.00000	mg/L
1	Mg 279.079	69.3	69.9	0.03119	mg/L	0.03119	mg/L
1	Ni 231.604	4.7	4.7	0.00093	mg/L	0.00093	mg/L
1	Pb 220.353	38.4	38.8	0.00396	mg/L	0.00396	mg/L
1	Sn 189.933	7.5	7.5	0.00203	mg/L	0.00203	mg/L
1	Se 196.026	963.2	972.4	1.0046	mg/L	1.0046	mg/L
1	Sb 206.833	24.4	24.7	0.00077	mg/L	0.00077	mg/L
1	V 292.402	60949.8	61532.1	0.98594	mg/L	0.98594	mg/L
1	Tl 190.800	-21.5	-21.7	0.00347	mg/L	0.00347	mg/L
1	Zn 213.856	45363.4	45796.8	0.99531	mg/L	0.99531	mg/L
1	Na 330.237	524.4	529.4	0.30130	mg/L	0.30130	mg/L

1	Sr 407.771	2671.6	2697.1		
1	K 404.721	3917.3	3954.8	0.00000 mg/L	0.00000 mg/L
2	Y 324.228	366880.9	366880.9	0.992 mg/L	
2	Ag 328.068	79.7	80.4	-0.00011 mg/L	-0.00011 mg/L
2	Al 308.215	293.5	295.9	0.03762 mg/L	0.03762 mg/L
2	As 193.696	9.4	9.5	0.00639 mg/L	0.00639 mg/L
2	B 249.773	230.0	231.9	0.00194 mg/L	0.00194 mg/L
2	Ba 233.527	-5.7	-5.8	0.00010 mg/L	0.00010 mg/L
2	Be 313.042	494244.7	498190.5	0.49630 mg/L	0.49630 mg/L
2	Ca 315.887	1718.5	1732.2	0.12371 mg/L	0.12371 mg/L
2	Cd 214.438	137.0	138.1	0.00001 mg/L	0.00001 mg/L
2	Co 238.892	-35.9	-36.2	0.00059 mg/L	0.00059 mg/L
2	Cr 267.716	731.0	736.8	-0.00022 mg/L	-0.00022 mg/L
2	Cu 324.754	125149.1	126148.2	0.98278 mg/L	0.98278 mg/L
2	Fe 234.349	757.1	763.2	0.02422 mg/L	0.02422 mg/L
2	K 766.491	4561.4	4597.8	0.04348 mg/L	0.04348 mg/L
2	Mo 202.030	-1.3	-1.3	0.00088 mg/L	0.00088 mg/L
2	Mn 257.610	71.6	72.2	0.00007 mg/L	0.00007 mg/L
2	Mg 279.079	50.8	51.2	0.02233 mg/L	0.02233 mg/L
2	Ni 231.604	3.1	3.1	0.00070 mg/L	0.00070 mg/L
2	Pb 220.353	35.5	35.8	0.00272 mg/L	0.00272 mg/L
2	Sn 189.933	8.1	8.1	0.00248 mg/L	0.00248 mg/L
2	Se 196.026	952.4	960.0	0.99150 mg/L	0.99150 mg/L
2	Sb 206.833	25.6	25.8	0.00217 mg/L	0.00217 mg/L
2	V 292.402	61253.1	61742.1	0.98930 mg/L	0.98930 mg/L
2	Tl 190.800	-22.1	-22.3	0.00296 mg/L	0.00296 mg/L
2	Zn 213.856	45464.1	45827.0	0.99598 mg/L	0.99598 mg/L
2	Na 330.237	480.6	484.4	0.13473 mg/L	0.13473 mg/L
2	Sr 407.771	2514.1	2534.1		
2	K 404.721	4001.7	4033.7	0.00000 mg/L	0.00000 mg/L

Mean Data ----------

ID: LRV4 Seq. No.: 10 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:42:18 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	366595.7	0.991	0.0011	mg/L				0.11%
Ag 328.068	92.7	0.00017	0.000403	mg/L	0.00017	0.000403	mg/L	235.61%
Al 308.215	303.5	0.03980	0.003083	mg/L	0.03980	0.003083	mg/L	7.75%
As 193.696	8.3	0.00312	0.004626	mg/L	0.00312	0.004626	mg/L	148.34%
B 249.773	233.2	0.00199	0.000077	mg/L	0.00199	0.000077	mg/L	3.85%
Ba 233.527	-1.7	0.00023	0.000179	mg/L	0.00023	0.000179	mg/L	77.80%
Be 313.042	497386.8	0.49550	0.001134	mg/L	0.49550	0.001134	mg/L	0.23%
Ca 315.887	2045.7	0.14539	0.030649	mg/L	0.14539	0.030649	mg/L	21.08%
Cd 214.438	137.3	-0.00001	0.000035	mg/L	-0.00001	0.000035	mg/L	248.09%
Co 238.892	-37.7	0.00053	0.000087	mg/L	0.00053	0.000087	mg/L	16.36%
Cr 267.716	746.3	-0.00006	0.000231	mg/L	-0.00006	0.000231	mg/L	414.52%
Cu 324.754	126185.5	0.98308	0.000415	mg/L	0.98308	0.000415	mg/L	0.04%
Fe 234.349	797.6	0.02714	0.004128	mg/L	0.02714	0.004128	mg/L	15.21%
K 766.491	6034.1	0.04837	0.006920	mg/L	0.04837	0.006920	mg/L	14.31%
Mo 202.030	0.1	0.00116	0.000393	mg/L	0.00116	0.000393	mg/L	33.91%
Mn 257.610	65.9	0.00004	0.000047	mg/L	0.00004	0.000047	mg/L	128.63%
Mg 279.079	60.6	0.02676	0.006264	mg/L	0.02676	0.006264	mg/L	23.41%
Ni 231.604	3.9	0.00082	0.000162	mg/L	0.00082	0.000162	mg/L	19.84%
Pb 220.353	37.3	0.00334	0.000877	mg/L	0.00334	0.000877	mg/L	26.26%
Sn 189.933	7.8	0.00226	0.000321	mg/L	0.00226	0.000321	mg/L	14.22%
Se 196.026	966.2	0.99804	0.009256	mg/L	0.99804	0.009256	mg/L	0.93%
Sb 206.833	25.3	0.00147	0.000989	mg/L	0.00147	0.000989	mg/L	67.44%
V 292.402	61637.1	0.98762	0.002375	mg/L	0.98762	0.002375	mg/L	0.24%
Tl 190.800	-22.0	0.00322	0.000361	mg/L	0.00322	0.000361	mg/L	11.21%
Zn 213.856	45811.9	0.99564	0.000470	mg/L	0.99564	0.000470	mg/L	0.05%
Na 330.237	506.9	0.21801	0.117779	mg/L	0.21801	0.117779	mg/L	54.02%
Sr 407.771	2615.6							4.41%
K 404.721	3994.2	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ICVA Date: 11/18/96 7:43:50 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	351866.5	351866.5	0.951	mg/L		
1	Ag 328.068	7691.6	8083.8	0.18530	mg/L	0.18530	mg/L

1 Al 308.215	63201.3	66424.3	18.865 mg/L	18.865 mg/L	
1 As 193.696	79.5	83.6	0.18576 mg/L	0.18576 mg/L	
1 B 249.773	10101.5	10616.6	0.41850 mg/L	0.41850 mg/L	
1 Ba 233.527	12164.8	12785.1	0.39636 mg/L	0.39636 mg/L	
1 Be 313.042	196428.7	206445.6	0.20534 mg/L	0.20534 mg/L	
1 Ca 315.887	280662.0	294974.3	20.399 mg/L	20.399 mg/L	
1 Cd 214.438	5858.1	6156.8	0.20126 mg/L	0.20126 mg/L	
1 Co 238.892	9308.7	9783.4	0.41539 mg/L	0.41539 mg/L	
1 Cr 267.716	22627.7	23781.6	0.39656 mg/L	0.39656 mg/L	
1 Cu 324.754	48000.3	50448.1	0.38484 mg/L	0.38484 mg/L	
1 Fe 234.349	233146.6	245035.8	20.733 mg/L	20.733 mg/L	
1 K 766.491	6309878.5	6631649.1	22.619 mg/L	22.619 mg/L	
1 Mo 202.030	1914.4	2012.0	0.38943 mg/L	0.38943 mg/L	
1 Mn 257.610	69979.0	73547.6	0.39173 mg/L	0.39173 mg/L	
1 Mg 279.079	39956.3	41993.9	19.885 mg/L	19.885 mg/L	
1 Ni 231.604	2593.1	2725.4	0.39403 mg/L	0.39403 mg/L	
1 Pb 220.353	939.5	987.4	0.39102 mg/L	0.39102 mg/L	
1 Sn 189.933	485.0	509.8	0.41821 mg/L	0.41821 mg/L	
1 Se 196.026	391.0	410.9	0.40759 mg/L	0.40759 mg/L	
1 Sb 206.833	350.9	368.8	0.41869 mg/L	0.41869 mg/L	
1 V 292.402	24078.4	25306.3	0.40667 mg/L	0.40667 mg/L	
1 Tl 190.800	177.8	186.9	0.20435 mg/L	0.20435 mg/L	
1 Zn 213.856	18636.6	19586.9	0.41962 mg/L	0.41962 mg/L	
1 Na 330.237	5855.3	6153.9	21.137 mg/L	21.137 mg/L	
1 Sr 407.771	6953.8	7308.5			
1 K 404.721	1848.8	1943.0	0.00000 mg/L	0.00000 mg/L	
2 Y 324.228	349365.0	349365.0	0.945 mg/L		
2 Ag 328.068	7814.7	8272.1	0.18966 mg/L	0.18966 mg/L	
2 Al 308.215	62419.7	66072.5	18.764 mg/L	18.764 mg/L	
2 As 193.696	79.9	84.6	0.18866 mg/L	0.18866 mg/L	
2 B 249.773	10055.5	10643.9	0.41960 mg/L	0.41960 mg/L	
2 Ba 233.527	12195.0	12908.6	0.40019 mg/L	0.40019 mg/L	
2 Be 313.042	196859.1	208379.4	0.20727 mg/L	0.20727 mg/L	
2 Ca 315.887	282963.7	299522.8	20.714 mg/L	20.714 mg/L	
2 Cd 214.438	5919.2	6265.6	0.20490 mg/L	0.20490 mg/L	
2 Co 238.892	9254.1	9795.7	0.41594 mg/L	0.41594 mg/L	
2 Cr 267.716	22628.7	23952.9	0.39952 mg/L	0.39952 mg/L	
2 Cu 324.754	47185.7	49947.0	0.38088 mg/L	0.38088 mg/L	
2 Fe 234.349	233794.4	247476.1	20.940 mg/L	20.940 mg/L	
2 K 766.491	6257130.8	6623299.0	22.591 mg/L	22.591 mg/L	
2 Mo 202.030	1932.1	2045.2	0.39585 mg/L	0.39585 mg/L	
2 Mn 257.610	69984.6	74080.2	0.39457 mg/L	0.39457 mg/L	
2 Mg 279.079	39898.0	42232.8	19.998 mg/L	19.998 mg/L	
2 Ni 231.604	2601.5	2753.7	0.39813 mg/L	0.39813 mg/L	
2 Pb 220.353	944.7	1000.0	0.39622 mg/L	0.39622 mg/L	
2 Sn 189.933	483.9	512.2	0.42023 mg/L	0.42023 mg/L	
2 Se 196.026	397.3	420.6	0.41767 mg/L	0.41767 mg/L	
2 Sb 206.833	347.3	367.7	0.41747 mg/L	0.41747 mg/L	
2 V 292.402	23939.6	25340.6	0.40721 mg/L	0.40721 mg/L	
2 Tl 190.800	174.6	184.8	0.20236 mg/L	0.20236 mg/L	
2 Zn 213.856	18686.7	19780.3	0.42387 mg/L	0.42387 mg/L	
2 Na 330.237	5764.9	6102.3	20.946 mg/L	20.946 mg/L	
2 Sr 407.771	6888.4	7291.5			
2 K 404.721	1642.1	1738.2	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: ICVA Seq. No.: 11 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:43:50 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	350615.7	0.948	0.0048	mg/L				0.50%
Ag 328.068	8178.0	0.18748	0.003083	mg/L	0.18748 ✓	0.003083	mg/L	1.64%
Al 308.215	66248.4	18.814	0.0708	mg/L	18.814 ✓	0.0708	mg/L	0.38%
As 193.696	84.1	0.18721	0.002046	mg/L	0.18721	0.002046	mg/L	1.09%
B 249.773	10630.3	0.41905	0.000773	mg/L	0.41905	0.000773	mg/L	0.18%
Ba 233.527	12846.9	0.39828	0.002705	mg/L	0.39828 ✓	0.002705	mg/L	0.68%
Be 313.042	207412.5	0.20631	0.001365	mg/L	0.20631 ✓	0.001365	mg/L	0.66%
Ca 315.887	297248.6	20.556	0.2224	mg/L	20.556 ✓	0.2224	mg/L	1.08%
Cd 214.438	6211.2	0.20308	0.002577	mg/L	0.20308 ✓	0.002577	mg/L	1.27%
Co 238.892	9789.5	0.41566	0.000388	mg/L	0.41566 ✓	0.000388	mg/L	0.09%
Cr 267.716	23867.3	0.39804	0.002094	mg/L	0.39804 ✓	0.002094	mg/L	0.53%
Cu 324.754	50197.5	0.38286	0.002799	mg/L	0.38286 ✓	0.002799	mg/L	0.73%
Fe 234.349	246256.0	20.837	0.1463	mg/L	20.837 ✓	0.1463	mg/L	0.70%

K 766.491	6627474.1	22.605	0.0201	mg/L	22.605	0.0201 mg/L	0.09%
Mo 202.030	2028.6	0.39264	0.004538	mg/L	0.39264	0.004538 mg/L	1.16%
Mn 257.610	73813.9	0.39315	0.002007	mg/L	0.39315	0.002007 mg/L	0.51%
Mg 279.079	42113.3	19.941	0.0800	mg/L	19.941	0.0800 mg/L	0.40%
Ni 231.604	2739.5	0.39608	0.002898	mg/L	0.39608	0.002898 mg/L	0.73%
Pb 220.353	993.7	0.39362	0.003679	mg/L	0.39362	0.003679 mg/L	0.93%
Sn 189.933	511.0	0.41922	0.001430	mg/L	0.41922	0.001430 mg/L	0.34%
Se 196.026	415.7	0.41263	0.007131	mg/L	0.41263	0.007131 mg/L	1.73%
Sb 206.833	368.2	0.41808	0.000864	mg/L	0.41808	0.000864 mg/L	0.21%
V 292.402	25323.4	0.40694	0.000388	mg/L	0.40694	0.000388 mg/L	0.10%
Tl 190.800	185.8	0.20336	0.001406	mg/L	0.20336	0.001406 mg/L	0.69%
Zn 213.856	19683.6	0.42175	0.003003	mg/L	0.42175	0.003003 mg/L	0.71%
Na 330.237	6128.1	21.041	0.1353	mg/L	21.041	0.1353 mg/L	0.64%
Sr 407.771	7300.0						0.16%
K 404.721	1840.6	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: ICB Date: 11/18/96 7:45:28 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	362952.3	362952.3	0.981	mg/L		
1	Ag 328.068	243.3	247.9	0.00377	mg/L	0.00377	mg/L
1	Al 308.215	254.5	259.3	0.02721	mg/L	0.02721	mg/L
1	As 193.696	7.6	7.8	0.00217	mg/L	0.00217	mg/L
1	B 249.773	261.7	266.7	0.00333	mg/L	0.00333	mg/L
1	Ba 233.527	1.2	1.2	0.00032	mg/L	0.00032	mg/L
1	Be 313.042	707.9	721.3	0.00017	mg/L	0.00017	mg/L
1	Ca 315.887	265.3	270.3	0.02008	mg/L	0.02008	mg/L
1	Cd 214.438	141.2	143.8	0.00017	mg/L	0.00017	mg/L
1	Co 238.892	-51.3	-52.2	-0.00006	mg/L	-0.00006	mg/L
1	Cr 267.716	736.7	750.7	0.00003	mg/L	0.00003	mg/L
1	Cu 324.754	1745.1	1778.1	0.00086	mg/L	0.00086	mg/L
1	Fe 234.349	633.0	645.0	0.01420	mg/L	0.01420	mg/L
1	K 766.491	3205.2	3265.8	0.03894	mg/L	0.03894	mg/L
1	Mo 202.030	24.4	24.9	0.00554	mg/L	0.00554	mg/L
1	Mn 257.610	98.6	100.5	0.00022	mg/L	0.00022	mg/L
1	Mg 279.079	29.9	30.5	0.01252	mg/L	0.01252	mg/L
1	Ni 231.604	0.6	0.7	0.00034	mg/L	0.00034	mg/L
1	Pb 220.353	38.3	39.0	0.00442	mg/L	0.00442	mg/L
1	Sn 189.933	7.9	8.0	0.00121	mg/L	0.00121	mg/L
1	Se 196.026	25.0	25.5	0.01174	mg/L	0.01174	mg/L
1	Sb 206.833	24.3	24.7	-0.00017	mg/L	-0.00017	mg/L
1	V 292.402	-92.4	-94.2	0.00049	mg/L	0.00049	mg/L
1	Tl 190.800	-16.1	-16.4	0.00786	mg/L	0.00786	mg/L
1	Zn 213.856	482.9	492.0	0.00021	mg/L	0.00021	mg/L
1	Na 330.237	450.8	459.4	0.04186	mg/L	0.04186	mg/L
1	Sr 407.771	1916.5	1952.7				
1	K 404.721	3862.5	3935.4	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	362001.2	362001.2	0.979	mg/L		
2	Ag 328.068	196.7	201.0	0.00268	mg/L	0.00268	mg/L
2	Al 308.215	209.5	214.0	0.01431	mg/L	0.01431	mg/L
2	As 193.696	8.6	8.8	0.00501	mg/L	0.00501	mg/L
2	B 249.773	259.2	264.8	0.00326	mg/L	0.00326	mg/L
2	Ba 233.527	-4.2	-4.3	0.00015	mg/L	0.00015	mg/L
2	Be 313.042	688.3	703.1	0.00015	mg/L	0.00015	mg/L
2	Ca 315.887	215.1	219.7	0.01658	mg/L	0.01658	mg/L
2	Cd 214.438	138.8	141.8	0.00011	mg/L	0.00011	mg/L
2	Co 238.892	-50.0	-51.1	-0.00002	mg/L	-0.00002	mg/L
2	Cr 267.716	749.3	765.5	0.00028	mg/L	0.00028	mg/L
2	Cu 324.754	1724.3	1761.4	0.00073	mg/L	0.00073	mg/L
2	Fe 234.349	590.1	602.8	0.01062	mg/L	0.01062	mg/L
2	K 766.491	2700.8	2759.1	0.03721	mg/L	0.03721	mg/L
2	Mo 202.030	17.0	17.4	0.00409	mg/L	0.00409	mg/L
2	Mn 257.610	94.3	96.4	0.00020	mg/L	0.00020	mg/L
2	Mg 279.079	24.7	25.2	0.01001	mg/L	0.01001	mg/L
2	Ni 231.604	3.2	3.3	0.00072	mg/L	0.00072	mg/L
2	Pb 220.353	31.4	32.1	0.00159	mg/L	0.00159	mg/L
2	Sn 189.933	8.3	8.4	0.00155	mg/L	0.00155	mg/L
2	Se 196.026	24.9	25.4	0.01163	mg/L	0.01163	mg/L
2	Sb 206.833	25.4	26.0	0.00126	mg/L	0.00126	mg/L
2	V 292.402	-103.1	-105.3	0.00031	mg/L	0.00031	mg/L
2	Tl 190.800	-20.2	-20.6	0.00376	mg/L	0.00376	mg/L
2	Zn 213.856	480.7	491.1	0.00019	mg/L	0.00019	mg/L

2 Na 330.237	459.7	469.6	0.07976 mg/L	0.07976 mg/L	
2 Sr 407.771	1833.4	1872.9			
2 K 404.721	3892.3	3976.3	0.00000 mg/L	0.00000 mg/L	

Mean Data

ID: ICB Seq. No.: 12 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:45:28 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	362476.7	0.980	0.0018	mg/L				0.19%
Ag 328.068	224.5	0.00322	0.000769	mg/L	0.00322	0.000769	mg/L	23.86%
Al 308.215	236.6	0.02076	0.009121	mg/L	0.02076	0.009121	mg/L	43.94%
As 193.696	8.3	0.00359	0.002003	mg/L	0.00359	0.002003	mg/L	55.77%
B 249.773	265.7	0.00330	0.000053	mg/L	0.00330	0.000053	mg/L	1.60%
Ba 233.527	-1.5	0.00024	0.000120	mg/L	0.00024	0.000120	mg/L	50.98%
Be 313.042	712.2	0.00016	0.000013	mg/L	0.00016	0.000013	mg/L	8.02%
Ca 315.887	245.0	0.01833	0.002473	mg/L	0.01833	0.002473	mg/L	13.49%
Cd 214.438	142.8	0.00014	0.000047	mg/L	0.00014	0.000047	mg/L	33.70%
Co 238.892	-51.6	-0.00004	0.000030	mg/L	-0.00004	0.000030	mg/L	82.13%
Cr 267.716	0.00016	0.000176	mg/L	0.00016	0.000176	mg/L	110.57%	
Cu 324.754	1769.8	0.00079	0.000092	mg/L	0.00079	0.000092	mg/L	11.58%
Fe 234.349	623.9	0.01241	0.002530	mg/L	0.01241	0.002530	mg/L	20.39%
K 766.491	3012.4	0.03807	0.001221	mg/L	0.03807	0.001221	mg/L	3.21%
Mo 202.030	21.1	0.00481	0.001024	mg/L	0.00481	0.001024	mg/L	21.27%
Mn 257.610	98.4	0.00021	0.000016	mg/L	0.00021	0.000016	mg/L	7.41%
Mg 279.079	27.8	0.01126	0.001776	mg/L	0.01126	0.001776	mg/L	15.76%
Ni 231.604	2.0	0.00053	0.000268	mg/L	0.00053	0.000268	mg/L	50.35%
Pb 220.353	35.5	0.00301	0.002002	mg/L	0.00301	0.002002	mg/L	66.56%
Sn 189.933	8.2	0.00138	0.000236	mg/L	0.00138	0.000236	mg/L	17.13%
Se 196.026	25.4	0.01169	0.000073	mg/L	0.01169	0.000073	mg/L	0.63%
Sb 206.833	25.4	0.00054	0.001016	mg/L	0.00054	0.001016	mg/L	186.87%
V 292.402	-99.7	0.00040	0.000126	mg/L	0.00040	0.000126	mg/L	31.46%
Tl 190.800	-18.5	0.00581	0.002901	mg/L	0.00581	0.002901	mg/L	49.91%
Zn 213.856	491.6	0.00020	0.000015	mg/L	0.00020	0.000015	mg/L	7.59%
Na 330.237	464.5	0.06081	0.026804	mg/L	0.06081	0.026804	mg/L	44.08%
Sr 407.771	1912.8							2.95%
K 404.721	3955.9	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: CRII Date: 11/18/96 7:47:06 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	362623.3	362623.3	0.981	mg/L		
1	Ag 328.068	865.5	882.6	0.01847	mg/L	0.01847	mg/L
1	Al 308.215	156.1	159.2	-0.00108	mg/L	-0.00108	mg/L
1	As 193.696	16.2	16.5	0.02543	mg/L	0.02543	mg/L
1	B 249.773	257.5	262.6	0.00317	mg/L	0.00317	mg/L
1	Ba 233.527	-8.0	-8.2	0.00003	mg/L	0.00003	mg/L
1	Be 313.042	10364.7	10570.1	0.00995	mg/L	0.00995	mg/L
1	Ca 315.887	70.0	71.4	0.00657	mg/L	0.00657	mg/L
1	Cd 214.438	423.9	432.3	0.00983	mg/L	0.00983	mg/L
1	Co 238.892	2277.1	2322.2	0.09976	mg/L	0.09976	mg/L
1	Cr 267.716	1891.8	1929.3	0.02024	mg/L	0.02024	mg/L
1	Cu 324.754	7639.3	7790.7	0.04836	mg/L	0.04836	mg/L
1	Fe 234.349	525.3	535.7	0.00493	mg/L	0.00493	mg/L
1	K 766.491	1420.8	1449.0	0.03275	mg/L	0.03275	mg/L
1	Mo 202.030	3.5	3.5	0.00145	mg/L	0.00145	mg/L
1	Mn 257.610	5607.0	5718.1	0.03017	mg/L	0.03017	mg/L
1	Mg 279.079	10.4	10.6	0.00340	mg/L	0.00340	mg/L
1	Ni 231.604	546.9	557.8	0.08084	mg/L	0.08084	mg/L
1	Pb 220.353	51.5	52.5	0.00998	mg/L	0.00998	mg/L
1	Sn 189.933	8.9	9.1	0.00217	mg/L	0.00217	mg/L
1	Se 196.026	35.0	35.7	0.02219	mg/L	0.02219	mg/L
1	Sb 206.833	89.1	90.9	0.07824	mg/L	0.07824	mg/L
1	V 292.402	5872.9	5989.2	0.09777	mg/L	0.09777	mg/L
1	Tl 190.800	-3.5	-3.5	0.02013	mg/L	0.02013	mg/L
1	Zn 213.856	2300.3	2345.9	0.04093	mg/L	0.04093	mg/L
1	Na 330.237	452.6	461.6	0.05011	mg/L	0.05011	mg/L
1	Sr 407.771	1961.5	2000.4				
1	K 404.721	3905.6	3983.0	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	362479.6	362479.6	0.980	mg/L		

2 Ag 328.068	867.6	885.1	0.01853 mg/L	0.01853 mg/L	
2 Al 308.215	157.8	161.0	-0.00057 mg/L	-0.00057 mg/L	
2 As 193.696	14.2	14.5	0.02004 mg/L	0.02004 mg/L	
2 B 249.773	254.1	259.3	0.00304 mg/L	0.00304 mg/L	
2 Ba 233.527	-9.3	-9.5	-0.00001 mg/L	-0.00001 mg/L	
2 Be 313.042	10339.2	10548.3	0.00993 mg/L	0.00993 mg/L	
2 Ca 315.887	60.1	61.3	0.00587 mg/L	0.00587 mg/L	
2 Cd 214.438	425.8	434.5	0.00991 mg/L	0.00991 mg/L	
2 Co 238.892	2307.1	2353.8	0.10109 mg/L	0.10109 mg/L	
2 Cr 267.716	1884.3	1922.4	0.02012 mg/L	0.02012 mg/L	
2 Cu 324.754	7570.9	7724.0	0.04783 mg/L	0.04783 mg/L	
2 Fe 234.349	527.4	538.1	0.00513 mg/L	0.00513 mg/L	
2 K 766.491	947.5	966.6	0.03110 mg/L	0.03110 mg/L	
2 Mo 202.030	3.3	3.3	0.00141 mg/L	0.00141 mg/L	
2 Mn 257.610	5620.7	5734.4	0.03025 mg/L	0.03025 mg/L	
2 Mg 279.079	8.2	8.4	0.00237 mg/L	0.00237 mg/L	
2 Ni 231.604	544.6	555.6	0.08052 mg/L	0.08052 mg/L	
2 Pb 220.353	46.0	46.9	0.00766 mg/L	0.00766 mg/L	
2 Sn 189.933	7.2	7.3	0.00075 mg/L	0.00075 mg/L	
2 Se 196.026	29.6	30.2	0.01641 mg/L	0.01641 mg/L	
2 Sb 206.833	96.0	97.9	0.08661 mg/L	0.08661 mg/L	
2 V 292.402	5903.6	6023.0	0.09831 mg/L	0.09831 mg/L	
2 Tl 190.800	-2.8	-2.9	0.02073 mg/L	0.02073 mg/L	
2 Zn 213.856	2300.2	2346.7	0.04095 mg/L	0.04095 mg/L	
2 Na 330.237	430.5	439.2	-0.03294 mg/L	-0.03294 mg/L	
2 Sr 407.771	1967.3	2007.0			
2 K 404.721	3860.2	3938.2	0.00000 mg/L	0.00000 mg/L	

Mean Data

ID: CRII Seq. No.: 13 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:47:06 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	362551.4	0.980	0.0003	mg/L				0.03%
Ag 328.068	883.9	0.01850	0.000040	mg/L	0.01850	0.000040	mg/L	0.22%
Al 308.215	160.1	-0.00082	0.000357	mg/L	-0.00082	0.000357	mg/L	43.44%
As 193.696	15.5	0.02274	0.003814	mg/L	0.02274	0.003814	mg/L	16.77%
B 249.773	260.9	0.00310	0.000093	mg/L	0.00310	0.000093	mg/L	3.01%
Ba 233.527	-8.9	0.00001	0.000030	mg/L	0.00001	0.000030	mg/L	354.21%
Be 313.042	10559.2	0.00994	0.000016	mg/L	0.00994	0.000016	mg/L	0.16%
Ca 315.887	66.4	0.00622	0.000495	mg/L	0.00622	0.000495	mg/L	7.95%
Cd 214.438	433.4	0.00987	0.000050	mg/L	0.00987	0.000050	mg/L	0.50%
Co 238.892	2338.0	0.10043	0.000938	mg/L	0.10043	0.000938	mg/L	0.93%
Cr 267.716	1925.8	0.02018	0.000084	mg/L	0.02018	0.000084	mg/L	0.41%
Cu 324.754	7757.4	0.04809	0.000372	mg/L	0.04809	0.000372	mg/L	0.77%
Fe 234.349	536.9	0.00503	0.000141	mg/L	0.00503	0.000141	mg/L	2.80%
K 766.491	1207.8	0.03193	0.001162	mg/L	0.03193	0.001162	mg/L	3.64%
Mo 202.030	3.4	0.00143	0.000028	mg/L	0.00143	0.000028	mg/L	1.92%
Mn 257.610	5726.2	0.03021	0.000061	mg/L	0.03021	0.000061	mg/L	0.20%
Mg 279.079	9.5	0.00289	0.000727	mg/L	0.00289	0.000727	mg/L	25.18%
Ni 231.604	556.7	0.08068	0.000227	mg/L	0.08068	0.000227	mg/L	0.28%
Pb 220.353	49.7	0.00882	0.001634	mg/L	0.00882	0.001634	mg/L	18.53%
Sn 189.933	8.2	0.00146	0.001007	mg/L	0.00146	0.001007	mg/L	69.06%
Se 196.026	32.9	0.01930	0.004088	mg/L	0.01930	0.004088	mg/L	21.18%
Sb 206.833	94.4	0.08243	0.005917	mg/L	0.08243	0.005917	mg/L	7.18%
V 292.402	6006.1	0.09804	0.000382	mg/L	0.09804	0.000382	mg/L	0.39%
Tl 190.800	-3.2	0.02043	0.000424	mg/L	0.02043	0.000424	mg/L	2.07%
Zn 213.856	2346.3	0.04094	0.000013	mg/L	0.04094	0.000013	mg/L	0.03%
Na 330.237	450.4	0.00858	0.058728	mg/L	0.00858	0.058728	mg/L	684.29%
Sr 407.771	2003.7							0.23%
K 404.721	3960.6	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: ICSAI Date: 11/18/96 7:48:47 AM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1 Y 324.228	300647.8	300647.8	0.813 mg/L	
1 Ag 328.068	-674.5	-829.7	-0.02120 mg/L	-0.02120 mg/L
1 Al 308.215	1449800.0	1783317.0	507.65 mg/L	507.65 mg/L
1 As 193.696	271.9	334.4	0.41053 mg/L	0.41053 mg/L
1 B 249.773	1725.4	2122.3	0.07777 mg/L	0.07777 mg/L
1 Ba 233.527	95.4	117.4	0.00392 mg/L	0.00392 mg/L

1	Be 313.042	789.0	970.6	0.00039 mg/L	0.00039 mg/L
1	Ca 315.887	5705453.3	7017955.5	485.27 mg/L	485.27 mg/L
1	Cd 214.438	703.0	864.7	0.01381 mg/L	0.01381 mg/L
1	Co 238.892	3504.5	4310.7	0.18335 mg/L	0.18335 mg/L
1	Cr 267.716	1054.0	1296.4	0.00937 mg/L	0.00937 mg/L
1	Cu 324.754	2035.2	2503.4	0.00661 mg/L	0.00661 mg/L
1	Fe 234.349	1721037.8	2116951.3	179.43 mg/L	179.43 mg/L
1	K 766.491	-618.7	-761.1	0.02522 mg/L	0.02522 mg/L
1	Mo 202.030	-15.3	-18.8	-0.00288 mg/L	-0.00288 mg/L
1	Mn 257.610	2126.0	2615.1	0.01362 mg/L	0.01362 mg/L
1	Mg 279.079	850107.5	1045669.1	495.08 mg/L	495.08 mg/L
1	Ni 231.604	17.3	21.2	0.00332 mg/L	0.00332 mg/L
1	Pb 220.353	187.7	230.9	-0.02129 mg/L	-0.02129 mg/L
1	Sn 189.933	31.8	39.1	0.32941 mg/L	0.32941 mg/L
1	Se 196.026	80.1	98.5	-0.00097 mg/L	-0.00097 mg/L
1	Sb 206.833	44.0	54.1	0.23869 mg/L	0.23869 mg/L
1	V 292.402	2534.9	3118.0	0.05186 mg/L	0.05186 mg/L
1	Tl 190.800	-13.2	-16.3	0.00745 mg/L	0.00745 mg/L
1	Zn 213.856	2290.9	2817.9	0.05130 mg/L	0.05130 mg/L
1	Na 330.237	295.6	363.6	-0.31280 mg/L	-0.31280 mg/L
1	Sr 407.771	276765.4	340433.4		
1	K 404.721	2651.2	3261.1	0.00000 mg/L	0.00000 mg/L
2	Y 324.228	300804.2	300804.2	0.813 mg/L	
2	Ag 328.068	-671.8	-825.9	-0.02111 mg/L	-0.02111 mg/L
2	Al 308.215	1450000.1	1782635.5	507.45 mg/L	507.45 mg/L
2	As 193.696	277.3	340.9	0.42842 mg/L	0.42842 mg/L
2	B 249.773	1781.0	2189.6	0.08047 mg/L	0.08047 mg/L
2	Ba 233.527	102.4	125.9	0.00418 mg/L	0.00418 mg/L
2	Be 313.042	776.7	954.9	0.00038 mg/L	0.00038 mg/L
2	Ca 315.887	5736181.8	7052082.9	487.63 mg/L	487.63 mg/L
2	Cd 214.438	699.8	860.4	0.01367 mg/L	0.01367 mg/L
2	Co 238.892	3504.5	4308.4	0.18326 mg/L	0.18326 mg/L
2	Cr 267.716	1031.6	1268.3	0.00888 mg/L	0.00888 mg/L
2	Cu 324.754	2015.4	2477.7	0.00641 mg/L	0.00641 mg/L
2	Fe 234.349	1722856.9	2118086.5	179.53 mg/L	179.53 mg/L
2	K 766.491	-2477.6	-3046.0	0.01744 mg/L	0.01744 mg/L
2	Mo 202.030	-18.8	-23.1	-0.00370 mg/L	-0.00370 mg/L
2	Mn 257.610	2129.4	2618.0	0.01364 mg/L	0.01364 mg/L
2	Mg 279.079	852685.0	1048294.0	496.33 mg/L	496.33 mg/L
2	Ni 231.604	12.5	15.4	0.00248 mg/L	0.00248 mg/L
2	Pb 220.353	203.4	250.1	-0.01337 mg/L	-0.01337 mg/L
2	Sn 189.933	25.0	30.7	0.32325 mg/L	0.32325 mg/L
2	Se 196.026	82.0	100.9	0.00157 mg/L	0.00157 mg/L
2	Sb 206.833	39.2	48.1	0.23205 mg/L	0.23205 mg/L
2	V 292.402	2569.9	3159.5	0.05252 mg/L	0.05252 mg/L
2	Tl 190.800	-1.6	-2.0	0.02123 mg/L	0.02123 mg/L
2	Zn 213.856	2300.8	2828.6	0.05153 mg/L	0.05153 mg/L
2	Na 330.237	316.4	389.0	-0.21891 mg/L	-0.21891 mg/L
2	Sr 407.771	279916.5	344130.3		
2	K 404.721	2801.3	3443.9	0.00000 mg/L	0.00000 mg/L

Mean Data

ID: ICSAI Seq. No.: 14 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:48:47 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 324.228	300726.0	0.813	0.0003	mg/L				0.04%
Ag 328.068	-827.8	-0.02115	0.000062	mg/L	-0.02115	0.000062	mg/L	0.29%
Al 308.215	1782976.2	507.55	0.137	mg/L	507.55	0.137	mg/L	0.03%
As 193.696	337.7	0.41948	0.012653	mg/L	0.41948	0.012653	mg/L	3.02%
B 249.773	2156.0	0.07912	0.001908	mg/L	0.07912	0.001908	mg/L	2.41%
Ba 233.527	121.6	0.00405	0.000186	mg/L	0.00405	0.000186	mg/L	4.59%
Be 313.042	962.7	0.00038	0.000011	mg/L	0.00038	0.000011	mg/L	2.93%
Ca 315.887	7035019.2	486.45	1.669	mg/L	486.45	1.669	mg/L	0.34%
Cd 214.438	862.6	0.01374	0.000100	mg/L	0.01374	0.000100	mg/L	0.73%
Co 238.892	4309.6	0.18331	0.000069	mg/L	0.18331	0.000069	mg/L	0.04%
Cr 267.716	1282.3	0.00913	0.000343	mg/L	0.00913	0.000343	mg/L	3.76%
Cu 324.754	2490.5	0.00651	0.000143	mg/L	0.00651	0.000143	mg/L	2.19%
Fe 234.349	2117518.9	179.48	0.068	mg/L	179.48	0.068	mg/L	0.04%
K 766.491	-1903.5	0.02133	0.005504	mg/L	0.02133	0.005504	mg/L	25.81%
Mo 202.030	-20.9	-0.00329	0.000577	mg/L	-0.00329	0.000577	mg/L	17.52%
Mn 257.610	2616.5	0.01363	0.000011	mg/L	0.01363	0.000011	mg/L	0.08%
Mg 279.079	1046981.6	495.70	0.879	mg/L	495.70	0.879	mg/L	0.18%

Ni 231.604	18.3	0.00290	0.000595	mg/L	0.00290	0.000595 mg/L	20.53%
Pb 220.353	240.5	-0.01733	0.005601	mg/L	-0.01733	0.005601 mg/L	32.33%
Sn 189.933	34.9	0.32633	0.004354	mg/L	0.32633	0.004354 mg/L	1.33%
Se 196.026	99.7	0.00030	0.001790	mg/L	0.00030	0.001790 mg/L	595.58%
Sb 206.833	51.1	0.23537	0.004692	mg/L	0.23537	0.004692 mg/L	1.99%
V 292.402	3138.8	0.05219	0.000469	mg/L	0.05219	0.000469 mg/L	0.90%
Tl 190.800	-9.1	0.01434	0.009749	mg/L	0.01434	0.009749 mg/L	67.98%
Zn 213.856	2823.2	0.05142	0.000166	mg/L	0.05142	0.000166 mg/L	0.32%
Na 330.237	376.3	-0.26586	0.066396	mg/L	-0.26586	0.066396 mg/L	24.97%
Sr 407.771	342281.9						0.76%
K 404.721	3352.5	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: ICSABI Date: 11/18/96 7:50:34 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	300276.1	300276.1	0.812	mg/L		
1	Ag 328.068	37419.4	46084.4	1.0656	mg/L	1.0656	mg/L
1	Al 308.215	1444529.3	1779033.1	506.43	mg/L	506.43	mg/L
1	As 193.696	267.4	329.4	0.39816	mg/L	0.39816	mg/L
1	B 249.773	1742.0	2145.3	0.07869	mg/L	0.07869	mg/L
1	Ba 233.527	13042.0	16062.1	0.49788	mg/L	0.49788	mg/L
1	Be 313.042	416023.9	512360.9	0.51068	mg/L	0.51068	mg/L
1	Ca 315.887	5733427.4	7061094.1	488.26	mg/L	488.26	mg/L
1	Cd 214.438	24125.4	29712.0	0.97901	mg/L	0.97901	mg/L
1	Co 238.892	12359.1	15221.1	0.64212	mg/L	0.64212	mg/L
1	Cr 267.716	24102.5	29683.8	0.49645	mg/L	0.49645	mg/L
1	Cu 324.754	54894.8	67606.6	0.52060	mg/L	0.52060	mg/L
1	Fe 234.349	1722758.5	2121690.8	179.83	mg/L	179.83	mg/L
1	K 766.491	-4464.5	-5498.3	0.00908	mg/L	0.00908	mg/L
1	Mo 202.030	-13.6	-16.8	-0.00230	mg/L	-0.00230	mg/L
1	Mn 257.610	75160.3	92564.9	0.49310	mg/L	0.49310	mg/L
1	Mg 279.079	850576.9	1047541.6	495.97	mg/L	495.97	mg/L
1	Ni 231.604	5013.3	6174.2	0.89234	mg/L	0.89234	mg/L
1	Pb 220.353	2027.3	2496.7	0.90905	mg/L	0.90905	mg/L
1	Sn 189.933	28.0	34.5	0.32785	mg/L	0.32785	mg/L
1	Se 196.026	65.1	80.2	-0.02144	mg/L	-0.02144	mg/L
1	Sb 206.833	32.6	40.1	0.22320	mg/L	0.22320	mg/L
1	V 292.402	27294.0	33614.3	0.53952	mg/L	0.53952	mg/L
1	Tl 190.800	-10.2	-12.5	0.01178	mg/L	0.01178	mg/L
1	Zn 213.856	42044.8	51781.0	1.1268	mg/L	1.1268	mg/L
1	Na 330.237	349.1	430.0	-0.06703	mg/L	-0.06703	mg/L
1	Sr 407.771	274146.5	337629.5				
1	K 404.721	2651.2	3265.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	297439.7	297439.7	0.804	mg/L		
2	Ag 328.068	37024.6	46033.1	1.0644	mg/L	1.0644	mg/L
2	Al 308.215	1463312.8	1819351.8	517.90	mg/L	517.90	mg/L
2	As 193.696	277.9	345.5	0.42840	mg/L	0.42840	mg/L
2	B 249.773	1760.0	2188.2	0.08041	mg/L	0.08041	mg/L
2	Ba 233.527	13042.2	16215.5	0.50264	mg/L	0.50264	mg/L
2	Be 313.042	417538.3	519129.7	0.51744	mg/L	0.51744	mg/L
2	Ca 315.887	5747200.3	7145553.1	494.10	mg/L	494.10	mg/L
2	Cd 214.438	24176.1	30058.3	0.99036	mg/L	0.99036	mg/L
2	Co 238.892	12459.2	15490.6	0.65346	mg/L	0.65346	mg/L
2	Cr 267.716	24032.0	29879.2	0.49980	mg/L	0.49980	mg/L
2	Cu 324.754	53961.6	67091.0	0.51653	mg/L	0.51653	mg/L
2	Fe 234.349	1726257.2	2146273.3	181.92	mg/L	181.92	mg/L
2	K 766.491	-4872.5	-6058.0	0.00717	mg/L	0.00717	mg/L
2	Mo 202.030	-11.4	-14.2	-0.00179	mg/L	-0.00179	mg/L
2	Mn 257.610	74919.4	93148.1	0.49621	mg/L	0.49621	mg/L
2	Mg 279.079	853206.3	1060800.2	502.25	mg/L	502.25	mg/L
2	Ni 231.604	5017.7	6238.5	0.90164	mg/L	0.90164	mg/L
2	Pb 220.353	2016.1	2506.6	0.91077	mg/L	0.91077	mg/L
2	Sn 189.933	24.6	30.6	0.32949	mg/L	0.32949	mg/L
2	Se 196.026	52.0	64.6	-0.03937	mg/L	-0.03937	mg/L
2	Sb 206.833	36.8	45.8	0.23309	mg/L	0.23309	mg/L
2	V 292.402	27072.5	33659.5	0.54024	mg/L	0.54024	mg/L
2	Tl 190.800	-11.0	-13.7	0.01062	mg/L	0.01062	mg/L
2	Zn 213.856	42013.3	52235.6	1.1367	mg/L	1.1367	mg/L
2	Na 330.237	338.7	421.1	-0.09984	mg/L	-0.09984	mg/L
2	Sr 407.771	277974.3	345608.3				
2	K 404.721	2701.2	3358.5	0.00000	mg/L	0.00000	mg/L

Mean Data

ID: ICSABI Seq. No.: 15 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:50:34 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	298857.9	0.808	0.0054	mg/L				0.67%
Ag 328.068	46058.8	1.0650	0.00084	mg/L	1.0650	0.00084	mg/L	0.08%
Al 308.215	1799192.5	512.17	8.116	mg/L	512.17	8.116	mg/L	1.58%
As 193.696	337.4	0.41328	0.021385	mg/L	0.41328	0.021385	mg/L	5.17%
B 249.773	2166.8	0.07955	0.001217	mg/L	0.07955	0.001217	mg/L	1.53%
Ba 233.527	16138.8	0.50026	0.003360	mg/L	0.50026	0.003360	mg/L	0.67%
Be 313.042	515745.3	0.51406	0.004778	mg/L	0.51406	0.004778	mg/L	0.93%
Ca 315.887	7103323.6	491.18	4.130	mg/L	491.18	4.130	mg/L	0.84%
Cd 214.438	29885.2	0.98469	0.008025	mg/L	0.98469	0.008025	mg/L	0.82%
Co 238.892	15355.8	0.64779	0.008017	mg/L	0.64779	0.008017	mg/L	1.24%
Cr 267.716	29781.5	0.49813	0.002371	mg/L	0.49813	0.002371	mg/L	0.48%
Cu 324.754	67348.8	0.51856	0.002877	mg/L	0.51856	0.002877	mg/L	0.55%
Fe 234.349	2133982.1	180.88	1.474	mg/L	180.88	1.474	mg/L	0.81%
K 766.491	-5778.1	0.00813	0.001348	mg/L	0.00813	0.001348	mg/L	16.59%
Mo 202.030	-15.5	-0.00204	0.000361	mg/L	-0.00204	0.000361	mg/L	17.69%
Mn 257.610	92856.5	0.49465	0.002198	mg/L	0.49465	0.002198	mg/L	0.44%
Mg 279.079	1054170.9	499.11	4.439	mg/L	499.11	4.439	mg/L	0.89%
Ni 231.604	6206.3	0.89699	0.006575	mg/L	0.89699	0.006575	mg/L	0.73%
Pb 220.353	2501.7	0.90991	0.001212	mg/L	0.90991	0.001212	mg/L	0.13%
Sn 189.933	32.5	0.32867	0.001160	mg/L	0.32867	0.001160	mg/L	0.35%
Se 196.026	72.4	-0.03040	0.012677	mg/L	-0.03040	0.012677	mg/L	41.70%
Sb 206.833	42.9	0.22815	0.006994	mg/L	0.22815	0.006994	mg/L	3.07%
V 292.402	33636.9	0.53988	0.000511	mg/L	0.53988	0.000511	mg/L	0.09%
Tl 190.800	-13.1	0.01120	0.000819	mg/L	0.01120	0.000819	mg/L	7.32%
Zn 213.856	52008.3	1.1317	0.00706	mg/L	1.1317	0.00706	mg/L	0.62%
Na 330.237	425.5	-0.08343	0.023202	mg/L	-0.08343	0.023202	mg/L	27.81%
Sr 407.771	341618.9							1.65%
K 404.721	3311.8	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: CCVA1 Date: 11/18/96 7:52:22 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	352669.0	352669.0	0.954	mg/L		
1	Ag 328.068	7731.7	8107.5	0.18584	mg/L	0.18584	mg/L
1	Al 308.215	64356.3	67484.2	19.166	mg/L	19.166	mg/L
1	As 193.696	79.2	83.1	0.18415	mg/L	0.18415	mg/L
1	B 249.773	10068.5	10557.8	0.41614	mg/L	0.41614	mg/L
1	Ba 233.527	12195.2	12788.0	0.39645	mg/L	0.39645	mg/L
1	Be 313.042	197105.6	206685.5	0.20558	mg/L	0.20558	mg/L
1	Ca 315.887	286584.9	300513.9	20.782	mg/L	20.782	mg/L
1	Cd 214.438	5909.2	6196.4	0.20258	mg/L	0.20258	mg/L
1	Co 238.892	9318.7	9771.6	0.41490	mg/L	0.41490	mg/L
1	Cr 267.716	22698.0	23801.2	0.39690	mg/L	0.39690	mg/L
1	Cu 324.754	47918.9	50247.9	0.38325	mg/L	0.38325	mg/L
1	Fe 234.349	235133.1	246561.3	20.863	mg/L	20.863	mg/L
1	K 766.491	6238353.2	6541557.0	22.312	mg/L	22.312	mg/L
1	Mo 202.030	1926.0	2019.6	0.39090	mg/L	0.39090	mg/L
1	Mn 257.610	70090.3	73496.9	0.39146	mg/L	0.39146	mg/L
1	Mg 279.079	40737.3	42717.3	20.227	mg/L	20.227	mg/L
1	Ni 231.604	2597.4	2723.7	0.39379	mg/L	0.39379	mg/L
1	Pb 220.353	945.8	991.7	0.39274	mg/L	0.39274	mg/L
1	Sn 189.933	485.2	508.7	0.41758	mg/L	0.41758	mg/L
1	Se 196.026	390.1	409.1	0.40562	mg/L	0.40562	mg/L
1	Sb 206.833	352.6	369.7	0.41997	mg/L	0.41997	mg/L
1	V 292.402	23981.2	25146.7	0.40411	mg/L	0.40411	mg/L
1	Tl 190.800	174.1	182.5	0.20017	mg/L	0.20017	mg/L
1	Zn 213.856	18616.6	19521.4	0.41818	mg/L	0.41818	mg/L
1	Na 330.237	5824.6	6107.7	20.966	mg/L	20.966	mg/L
1	Sr 407.771	7071.6	7415.3				
1	K 404.721	1821.7	1910.2	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	353631.3	353631.3	0.956	mg/L		
2	Ag 328.068	8195.5	8570.4	0.19657	mg/L	0.19657	mg/L
2	Al 308.215	64521.2	67473.0	19.163	mg/L	19.163	mg/L
2	As 193.696	74.9	78.4	0.17158	mg/L	0.17158	mg/L
2	B 249.773	10131.6	10595.1	0.41764	mg/L	0.41764	mg/L

2	Ba 233.527	12235.3	12795.0	0.39667	mg/L	0.39667 mg/L
2	Be 313.042	197988.4	207046.4	0.20594	mg/L	0.20594 mg/L
2	Ca 315.887	287050.6	300183.1	20.759	mg/L	20.759 mg/L
2	Cd 214.438	5948.2	6220.3	0.20338	mg/L	0.20338 mg/L
2	Co 238.892	9327.0	9753.7	0.41416	mg/L	0.41416 mg/L
2	Cr 267.716	22738.1	23778.3	0.39651	mg/L	0.39651 mg/L
2	Cu 324.754	47948.4	50142.1	0.38242	mg/L	0.38242 mg/L
2	Fe 234.349	235581.7	246359.5	20.846	mg/L	20.846 mg/L
2	K 766.491	6253441.7	6539535.6	22.306	mg/L	22.306 mg/L
2	Mo 202.030	1942.8	2031.6	0.39323	mg/L	0.39323 mg/L
2	Mn 257.610	70335.1	73552.9	0.39176	mg/L	0.39176 mg/L
2	Mg 279.079	40747.6	42611.7	20.177	mg/L	20.177 mg/L
2	Ni 231.604	2595.9	2714.7	0.39249	mg/L	0.39249 mg/L
2	Pb 220.353	950.5	994.0	0.39367	mg/L	0.39367 mg/L
2	Sn 189.933	485.8	508.0	0.41696	mg/L	0.41696 mg/L
2	Se 196.026	392.9	410.8	0.40746	mg/L	0.40746 mg/L
2	Sb 206.833	359.0	375.4	0.42669	mg/L	0.42669 mg/L
2	V 292.402	24092.9	25195.2	0.40489	mg/L	0.40489 mg/L
2	Tl 190.800	173.4	181.4	0.19906	mg/L	0.19906 mg/L
2	Zn 213.856	18646.6	19499.7	0.41771	mg/L	0.41771 mg/L
2	Na 330.237	5851.9	6119.7	21.010	mg/L	21.010 mg/L
2	Sr 407.771	7042.8	7365.0			
2	K 404.721	1751.5	1831.6	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: CCVA1 Seq. No.: 16 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:52:22 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	353150.1	0.955	0.0018	mg/L				0.19%
Ag 328.068	8339.0	0.19121	0.007583	mg/L	0.19121	0.007583	mg/L	3.97%
Al 308.215	67478.6	19.165	0.0023	mg/L	19.165	0.0023	mg/L	0.01%
As 193.696	80.7	0.17786	0.008892	mg/L	0.17786	0.008892	mg/L	5.00%
B 249.773	10576.5	0.41689	0.001058	mg/L	0.41689	0.001058	mg/L	0.25%
Ba 233.527	12791.5	0.39656	0.000154	mg/L	0.39656	0.000154	mg/L	0.04%
Be 313.042	206866.0	0.20576	0.000255	mg/L	0.20576	0.000255	mg/L	0.12%
Ca 315.887	300348.5	20.771	0.0162	mg/L	20.771	0.0162	mg/L	0.08%
Cd 214.438	6208.4	0.20298	0.000567	mg/L	0.20298	0.000567	mg/L	0.28%
Co 238.892	9762.7	0.41453	0.000525	mg/L	0.41453	0.000525	mg/L	0.13%
Cr 267.716	23789.7	0.39671	0.000271	mg/L	0.39671	0.000271	mg/L	0.07%
Cu 324.754	50195.0	0.38284	0.000592	mg/L	0.38284	0.000592	mg/L	0.15%
Fe 234.349	246460.4	20.854	0.0121	mg/L	20.854	0.0121	mg/L	0.06%
K 766.491	6540546.3	22.309	0.0049	mg/L	22.309	0.0049	mg/L	0.02%
Mo 202.030	2025.6	0.39206	0.001647	mg/L	0.39206	0.001647	mg/L	0.42%
Mn 257.610	73524.9	0.39161	0.000211	mg/L	0.39161	0.000211	mg/L	0.05%
Mg 279.079	42664.5	20.202	0.0353	mg/L	20.202	0.0353	mg/L	0.17%
Ni 231.604	2719.2	0.39314	0.000918	mg/L	0.39314	0.000918	mg/L	0.23%
Pb 220.353	992.9	0.39320	0.000656	mg/L	0.39320	0.000656	mg/L	0.17%
Sn 189.933	508.4	0.41727	0.000444	mg/L	0.41727	0.000444	mg/L	0.11%
Se 196.026	410.0	0.40654	0.001307	mg/L	0.40654	0.001307	mg/L	0.32%
Sb 206.833	372.5	0.42333	0.004754	mg/L	0.42333	0.004754	mg/L	1.12%
V 292.402	25170.9	0.40450	0.000547	mg/L	0.40450	0.000547	mg/L	0.14%
Tl 190.800	182.0	0.19962	0.000784	mg/L	0.19962	0.000784	mg/L	0.39%
Zn 213.856	19510.5	0.41795	0.000336	mg/L	0.41795	0.000336	mg/L	0.08%
Na 330.237	6113.7	20.988	0.0314	mg/L	20.988	0.0314	mg/L	0.15%
Sr 407.771	7390.2							0.48%
K 404.721	1870.9	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: CCB1 Date: 11/18/96 7:54:13 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	364829.8	364829.8	0.987	mg/L		
1	Ag 328.068	371.9	377.0	0.00676	mg/L	0.00676	mg/L
1	Al 308.215	384.6	389.8	0.06437	mg/L	0.06437	mg/L
1	As 193.696	5.0	5.0	-0.00507	mg/L	-0.00507	mg/L
1	B 249.773	265.1	268.8	0.00342	mg/L	0.00342	mg/L
1	Ba 233.527	-5.0	-5.1	0.00012	mg/L	0.00012	mg/L
1	Be 313.042	699.0	708.6	0.00016	mg/L	0.00016	mg/L
1	Ca 315.887	1111.1	1126.3	0.07926	mg/L	0.07926	mg/L
1	Cd 214.438	145.1	147.1	0.00028	mg/L	0.00028	mg/L
1	Co 238.892	-42.7	-43.2	0.00032	mg/L	0.00032	mg/L

1 Cr 267.716	758.2	768.6	0.00034 mg/L	0.00034 mg/L	
1 Cu 324.754	1760.9	1785.0	0.00091 mg/L	0.00091 mg/L	
1 Fe 234.349	903.3	915.7	0.03714 mg/L	0.03714 mg/L	
1 K 766.491	-4059.9	-4115.3	0.01379 mg/L	0.01379 mg/L	
1 Mo 202.030	22.7	23.0	0.00517 mg/L	0.00517 mg/L	
1 Mn 257.610	107.9	109.4	0.00027 mg/L	0.00027 mg/L	
1 Mg 279.079	153.7	155.8	0.07187 mg/L	0.07187 mg/L	
1 Ni 231.604	4.0	4.0	0.00083 mg/L	0.00083 mg/L	
1 Pb 220.353	36.4	36.9	0.00355 mg/L	0.00355 mg/L	
1 Sn 189.933	9.8	9.9	0.00277 mg/L	0.00277 mg/L	
1 Se 196.026	19.4	19.7	0.00566 mg/L	0.00566 mg/L	
1 Sb 206.833	23.2	23.6	-0.00156 mg/L	-0.00156 mg/L	
1 V 292.402	-110.9	-112.4	0.00020 mg/L	0.00020 mg/L	
1 Tl 190.800	-21.0	-21.3	0.00309 mg/L	0.00309 mg/L	
1 Zn 213.856	481.1	487.7	0.00012 mg/L	0.00012 mg/L	
1 Na 330.237	455.9	462.1	0.05191 mg/L	0.05191 mg/L	
1 Sr 407.771	1963.0	1989.8			
1 K 404.721	3929.2	3982.8	0.00000 mg/L	0.00000 mg/L	
2 Y 324.228	365970.6	365970.6	0.990 mg/L		
2 Ag 328.068	316.9	320.2	0.00544 mg/L	0.00544 mg/L	
2 Al 308.215	386.2	390.3	0.06450 mg/L	0.06450 mg/L	
2 As 193.696	8.6	8.7	0.00470 mg/L	0.00470 mg/L	
2 B 249.773	269.6	272.5	0.00357 mg/L	0.00357 mg/L	
2 Ba 233.527	-2.4	-2.4	0.00021 mg/L	0.00021 mg/L	
2 Be 313.042	652.8	659.7	0.00011 mg/L	0.00011 mg/L	
2 Ca 315.887	946.0	955.9	0.06748 mg/L	0.06748 mg/L	
2 Cd 214.438	139.2	140.7	0.00007 mg/L	0.00007 mg/L	
2 Co 238.892	-47.5	-48.0	0.00012 mg/L	0.00012 mg/L	
2 Cr 267.716	750.6	758.5	0.00016 mg/L	0.00016 mg/L	
2 Cu 324.754	1725.1	1743.2	0.00059 mg/L	0.00059 mg/L	
2 Fe 234.349	834.1	842.9	0.03097 mg/L	0.03097 mg/L	
2 K 766.491	-4647.9	-4696.7	0.01181 mg/L	0.01181 mg/L	
2 Mo 202.030	17.3	17.5	0.00411 mg/L	0.00411 mg/L	
2 Mn 257.610	97.7	98.7	0.00021 mg/L	0.00021 mg/L	
2 Mg 279.079	127.2	128.5	0.05893 mg/L	0.05893 mg/L	
2 Ni 231.604	4.9	5.0	0.00097 mg/L	0.00097 mg/L	
2 Pb 220.353	34.6	35.0	0.00278 mg/L	0.00278 mg/L	
2 Sn 189.933	9.6	9.7	0.00257 mg/L	0.00257 mg/L	
2 Se 196.026	19.5	19.7	0.00569 mg/L	0.00569 mg/L	
2 Sb 206.833	26.1	26.4	0.00177 mg/L	0.00177 mg/L	
2 V 292.402	-100.4	-101.5	0.00037 mg/L	0.00037 mg/L	
2 Tl 190.800	-20.9	-21.1	0.00332 mg/L	0.00332 mg/L	
2 Zn 213.856	477.7	482.7	0.00001 mg/L	0.00001 mg/L	
2 Na 330.237	458.1	462.9	0.05495 mg/L	0.05495 mg/L	
2 Sr 407.771	1910.0	1930.0			
2 K 404.721	3973.6	4015.3	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: CCB1 Seq. No.: 17 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:54:13 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	365400.2	0.988	0.0022	mg/L				0.22%
Ag 328.068	348.6	0.00610	0.000931	mg/L	0.00610	0.000931	mg/L	15.26%
Al 308.215	390.0	0.06444	0.000093	mg/L	0.06444	0.000093	mg/L	0.14%
As 193.696	6.9	-0.00019	0.006908	mg/L	-0.00019	0.006908	mg/L	3728.33%
B 249.773	270.6	0.00349	0.000105	mg/L	0.00349	0.000105	mg/L	3.01%
Ba 233.527	-3.7	0.00017	0.000059	mg/L	0.00017	0.000059	mg/L	35.63%
Be 313.042	684.1	0.00013	0.000035	mg/L	0.00013	0.000035	mg/L	26.38%
Ca 315.887	1041.1	0.07337	0.008328	mg/L	0.07337	0.008328	mg/L	11.35%
Cd 214.438	143.9	0.00017	0.000152	mg/L	0.00017	0.000152	mg/L	87.19%
Co 238.892	-45.6	0.00022	0.000144	mg/L	0.00022	0.000144	mg/L	66.21%
Cr 267.716	763.5	0.00025	0.000125	mg/L	0.00025	0.000125	mg/L	49.71%
Cu 324.754	1764.1	0.00075	0.000233	mg/L	0.00075	0.000233	mg/L	31.03%
Fe 234.349	879.3	0.03406	0.004364	mg/L	0.03406	0.004364	mg/L	12.81%
K 766.491	-4406.0	0.01280	0.001400	mg/L	0.01280	0.001400	mg/L	10.94%
Mo 202.030	20.2	0.00464	0.000755	mg/L	0.00464	0.000755	mg/L	16.27%
Mn 257.610	104.1	0.00024	0.000040	mg/L	0.00024	0.000040	mg/L	16.69%
Mg 279.079	142.2	0.06540	0.009153	mg/L	0.06540	0.009153	mg/L	14.00%
Ni 231.604	4.5	0.00090	0.000098	mg/L	0.00090	0.000098	mg/L	10.93%
Pb 220.353	35.9	0.00316	0.000546	mg/L	0.00316	0.000546	mg/L	17.27%
Sn 189.933	9.8	0.00267	0.000140	mg/L	0.00267	0.000140	mg/L	5.23%
Se 196.026	19.7	0.00567	0.000024	mg/L	0.00567	0.000024	mg/L	0.42%

Sb 206.833	25.0	0.00010	0.002355 mg/L	0.00010	0.002355 mg/L	2294.93%
V 292.402	-106.9	0.00028	0.000124 mg/L	0.00028	0.000124 mg/L	43.48%
Tl 190.800	-21.2	0.00321	0.000156 mg/L	0.00321	0.000156 mg/L	4.86%
Zn 213.856	485.2	0.00006	0.000077 mg/L	0.00006	0.000077 mg/L	127.39%
Na 330.237	462.5	0.05343	0.002156 mg/L	0.05343	0.002156 mg/L	4.04%
Sr 407.771	1959.9					2.16%
K 404.721	3999.1	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: PBW:14912 Date: 11/18/96 7:56:08 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	358636.5	358636.5	0.970	mg/L		
1	Ag 328.068	414.9	427.8	0.00794	mg/L	0.00794	mg/L
1	Al 308.215	204.5	210.8	0.01341	mg/L	0.01341	mg/L
1	As 193.696	6.9	7.1	0.00056	mg/L	0.00056	mg/L
1	B 249.773	1752.7	1807.3	0.06513	mg/L	0.06513	mg/L
1	Ba 233.527	-7.4	-7.7	0.00005	mg/L	0.00005	mg/L
1	Be 313.042	545.7	562.7	0.00001	mg/L	0.00001	mg/L
1	Ca 315.887	455.4	469.6	0.03385	mg/L	0.03385	mg/L
1	Cd 214.438	140.4	144.7	0.00020	mg/L	0.00020	mg/L
1	Co 238.892	-52.4	-54.0	-0.00015	mg/L	-0.00015	mg/L
1	Cr 267.716	802.5	827.5	0.00134	mg/L	0.00134	mg/L
1	Cu 324.754	1614.9	1665.2	-0.00003	mg/L	-0.00003	mg/L
1	Fe 234.349	678.1	699.3	0.01880	mg/L	0.01880	mg/L
1	K 766.491	-6859.5	-7073.2	0.00372	mg/L	0.00372	mg/L
1	Mo 202.030	3.2	3.3	0.00137	mg/L	0.00137	mg/L
1	Mn 257.610	72.7	75.0	0.00008	mg/L	0.00008	mg/L
1	Mg 279.079	53.2	54.9	0.02407	mg/L	0.02407	mg/L
1	Ni 231.604	1.3	1.3	0.00044	mg/L	0.00044	mg/L
1	Pb 220.353	36.0	37.1	0.00364	mg/L	0.00364	mg/L
1	Sn 189.933	13.1	13.5	0.00564	mg/L	0.00564	mg/L
1	Se 196.026	13.2	13.6	-0.00078	mg/L	-0.00078	mg/L
1	Sb 206.833	28.8	29.7	0.00571	mg/L	0.00571	mg/L
1	V 292.402	-102.7	-105.9	0.00030	mg/L	0.00030	mg/L
1	Tl 190.800	-20.6	-21.3	0.00312	mg/L	0.00312	mg/L
1	Zn 213.856	1149.8	1185.7	0.01545	mg/L	0.01545	mg/L
1	Na 330.237	458.5	472.8	0.09168	mg/L	0.09168	mg/L
1	Sr 407.771	2801.2	2888.5				
1	K 404.721	4002.2	4126.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	360318.1	360318.1	0.974	mg/L		
2	Ag 328.068	334.8	343.6	0.00598	mg/L	0.00598	mg/L
2	Al 308.215	177.8	182.5	0.00534	mg/L	0.00534	mg/L
2	As 193.696	7.7	7.9	0.00256	mg/L	0.00256	mg/L
2	B 249.773	1762.7	1809.1	0.06521	mg/L	0.06521	mg/L
2	Ba 233.527	-4.3	-4.4	0.00015	mg/L	0.00015	mg/L
2	Be 313.042	548.4	562.9	0.00001	mg/L	0.00001	mg/L
2	Ca 315.887	445.5	457.2	0.03300	mg/L	0.03300	mg/L
2	Cd 214.438	139.9	143.6	0.00016	mg/L	0.00016	mg/L
2	Co 238.892	-50.2	-51.6	-0.00005	mg/L	-0.00005	mg/L
2	Cr 267.716	781.2	801.8	0.00090	mg/L	0.00090	mg/L
2	Cu 324.754	1644.1	1687.4	0.00015	mg/L	0.00015	mg/L
2	Fe 234.349	655.3	672.6	0.01654	mg/L	0.01654	mg/L
2	K 766.491	-6962.1	-7145.5	0.00347	mg/L	0.00347	mg/L
2	Mo 202.030	2.0	2.1	0.00114	mg/L	0.00114	mg/L
2	Mn 257.610	72.6	74.6	0.00008	mg/L	0.00008	mg/L
2	Mg 279.079	55.5	57.0	0.02507	mg/L	0.02507	mg/L
2	Ni 231.604	-0.2	-0.2	0.00022	mg/L	0.00022	mg/L
2	Pb 220.353	33.3	34.2	0.00243	mg/L	0.00243	mg/L
2	Sn 189.933	13.4	13.7	0.00578	mg/L	0.00578	mg/L
2	Se 196.026	25.7	26.3	0.01263	mg/L	0.01263	mg/L
2	Sb 206.833	30.9	31.7	0.00809	mg/L	0.00809	mg/L
2	V 292.402	-129.5	-132.9	-0.00013	mg/L	-0.00013	mg/L
2	Tl 190.800	-17.5	-18.0	0.00630	mg/L	0.00630	mg/L
2	Zn 213.856	1136.5	1166.4	0.01502	mg/L	0.01502	mg/L
2	Na 330.237	464.4	476.6	0.10572	mg/L	0.10572	mg/L
2	Sr 407.771	2866.5	2942.0				
2	K 404.721	4073.5	4180.8	0.00000	mg/L	0.00000	mg/L

Mean Data ----------

ID: PBW:14912 Seq. No.: 18 Sample No.: 0 A/S Pos: 0

Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 7:56:08 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	359477.3	0.972	0.0032	mg/L				0.33%
Ag 328.068	385.7	0.00696	0.001379	mg/L	0.00696	0.001379	mg/L	19.82%
Al 308.215	196.6	0.00937	0.005710	mg/L	0.00937	0.005710	mg/L	60.91%
As 193.696	7.5	0.00156	0.001417	mg/L	0.00156	0.001417	mg/L	90.97%
B 249.773	1808.2	0.06517	0.000052	mg/L	0.06517	0.000052	mg/L	0.08%
Ba 233.527	-6.0	0.00010	0.000071	mg/L	0.00010	0.000071	mg/L	73.84%
Be 313.042	562.8	0.00001	0.000000	mg/L	0.00001	0.000000	mg/L	2.34%
Ca 315.887	463.4	0.03342	0.000605	mg/L	0.03342	0.000605	mg/L	1.81%
Cd 214.438	144.2	0.00018	0.000027	mg/L	0.00018	0.000027	mg/L	14.82%
Co 238.892	-52.8	-0.00010	0.000071	mg/L	-0.00010	0.000071	mg/L	70.79%
Cr 267.716	814.7	0.00112	0.000313	mg/L	0.00112	0.000313	mg/L	27.97%
Cu 324.754	1676.3	0.00006	0.000124	mg/L	0.00006	0.000124	mg/L	206.25%
Fe 234.349	685.9	0.01767	0.001598	mg/L	0.01767	0.001598	mg/L	9.04%
K 766.491	-7109.4	0.00359	0.000174	mg/L	0.00359	0.000174	mg/L	4.85%
Mo 202.030	2.7	0.00125	0.000166	mg/L	0.00125	0.000166	mg/L	13.20%
Mn 257.610	74.8	0.00008	0.000002	mg/L	0.00008	0.000002	mg/L	1.86%
Mg 279.079	55.9	0.02457	0.000703	mg/L	0.02457	0.000703	mg/L	2.86%
Ni 231.604	0.6	0.00033	0.000156	mg/L	0.00033	0.000156	mg/L	47.30%
Pb 220.353	35.6	0.00304	0.000856	mg/L	0.00304	0.000856	mg/L	28.17%
Sn 189.933	13.6	0.00571	0.000096	mg/L	0.00571	0.000096	mg/L	1.67%
Se 196.026	20.0	0.00592	0.009482	mg/L	0.00592	0.009482	mg/L	160.09%
Sb 206.833	30.7	0.00690	0.001678	mg/L	0.00690	0.001678	mg/L	24.32%
V 292.402	-119.4	0.00008	0.000305	mg/L	0.00008	0.000305	mg/L	359.52%
Tl 190.800	-19.6	0.00471	0.002251	mg/L	0.00471	0.002251	mg/L	47.77%
Zn 213.856	1176.0	0.01524	0.000298	mg/L	0.01524	0.000298	mg/L	1.96%
Na 330.237	474.7	0.09870	0.009930	mg/L	0.09870	0.009930	mg/L	10.06%
Sr 407.771	2915.3							1.30%
K 404.721	4153.8	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: LCS:14912 Date: 11/18/96 7:58:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	355289.6	355289.6	0.961	mg/L		
1	Ag 328.068	4101.0	4268.6	0.09691	mg/L	0.09691	mg/L
1	Al 308.215	4468.4	4651.0	1.2796	mg/L	1.2796	mg/L
1	As 193.696	1792.5	1865.8	4.9372	mg/L	4.9372	mg/L
1	B 249.773	27625.4	28754.4	1.1461	mg/L	1.1461	mg/L
1	Ba 233.527	298077.4	310259.5	9.6121	mg/L	9.6121	mg/L
1	Be 313.042	1022310.9	1064091.6	1.0613	mg/L	1.0613	mg/L
1	Ca 315.887	141550.3	147335.3	10.192	mg/L	10.192	mg/L
1	Cd 214.438	29217.6	30411.7	1.0167	mg/L	1.0167	mg/L
1	Co 238.892	21901.8	22796.9	1.0090	mg/L	1.0090	mg/L
1	Cr 267.716	54589.1	56820.1	0.99688	mg/L	0.99688	mg/L
1	Cu 324.754	118689.0	123539.6	0.95475	mg/L	0.95475	mg/L
1	Fe 234.349	12853.2	13378.5	1.0937	mg/L	1.0937	mg/L
1	K 766.491	2621239.0	2728366.1	9.3223	mg/L	9.3223	mg/L
1	Mo 202.030	49185.4	51195.5	9.8876	mg/L	9.8876	mg/L
1	Mn 257.610	176897.6	184127.2	0.98117	mg/L	0.98117	mg/L
1	Mg 279.079	2085.0	2170.2	1.0354	mg/L	1.0354	mg/L
1	Ni 231.604	6523.7	6790.3	0.98137	mg/L	0.98137	mg/L
1	Pb 220.353	2299.0	2392.9	1.0013	mg/L	1.0013	mg/L
1	Sn 189.933	11163.8	11620.0	9.3046	mg/L	9.3046	mg/L
1	Se 196.026	4672.5	4863.5	5.0806	mg/L	5.0806	mg/L
1	Sb 206.833	7964.1	8289.6	9.8420	mg/L	9.8420	mg/L
1	V 292.402	57253.1	59593.0	0.95494	mg/L	0.95494	mg/L
1	Tl 190.800	985.7	1025.9	1.0135	mg/L	1.0135	mg/L
1	Zn 213.856	46015.5	47896.1	1.0414	mg/L	1.0414	mg/L
1	Na 330.237	2885.7	3003.6	9.4670	mg/L	9.4670	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	2843.8	2960.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	355752.8	355752.8	0.962	mg/L		
2	Ag 328.068	4094.4	4256.2	0.09662	mg/L	0.09662	mg/L
2	Al 308.215	4501.2	4679.1	1.2876	mg/L	1.2876	mg/L
2	As 193.696	1797.5	1868.5	4.9443	mg/L	4.9443	mg/L
2	B 249.773	27772.7	28870.1	1.1507	mg/L	1.1507	mg/L
2	Ba 233.527	297926.0	309698.1	9.5947	mg/L	9.5947	mg/L
2	Be 313.042	1023000.0	1063422.4	1.0606	mg/L	1.0606	mg/L
2	Ca 315.887	142479.1	148109.0	10.245	mg/L	10.245	mg/L
2	Cd 214.438	29456.1	30620.0	1.0237	mg/L	1.0237	mg/L

2	Co 238.892	22077.3	22949.6	1.0155 mg/L	1.0155 mg/L
2	Cr 267.716	54974.4	57146.7	1.0025 mg/L	1.0025 mg/L
2	Cu 324.754	118455.6	123136.2	0.95156 mg/L	0.95156 mg/L
2	Fe 234.349	12878.1	13386.9	1.0944 mg/L	1.0944 mg/L
2	K 766.491	2643857.2	2748325.6	9.3903 mg/L	9.3903 mg/L
2	Mo 202.030	49296.1	51243.9	9.8969 mg/L	9.8969 mg/L
2	Mn 257.610	178074.0	185110.4	0.98641 mg/L	0.98641 mg/L
2	Mg 279.079	2077.3	2159.4	1.0304 mg/L	1.0304 mg/L
2	Ni 231.604	6525.7	6783.5	0.98038 mg/L	0.98038 mg/L
2	Pb 220.353	2308.4	2399.7	1.0041 mg/L	1.0041 mg/L
2	Sn 189.933	11196.0	11638.4	9.3193 mg/L	9.3193 mg/L
2	Se 196.026	4675.3	4860.0	5.0769 mg/L	5.0769 mg/L
2	Sb 206.833	7957.9	8272.3	9.8216 mg/L	9.8216 mg/L
2	V 292.402	57631.3	59908.5	0.95999 mg/L	0.95999 mg/L
2	Tl 190.800	986.5	1025.5	1.0131 mg/L	1.0131 mg/L
2	Zn 213.856	46202.2	48027.8	1.0443 mg/L	1.0443 mg/L
2	Na 330.237	2887.8	3001.9	9.4604 mg/L	9.4604 mg/L
2	Sr 407.771	Saturated			
2	K 404.721	2870.9	2984.3	0.00000 mg/L	0.00000 mg/L

Mean Data ----------

ID: LCS:14912 Seq. No.: 19 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 7:58:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	355521.2	0.961	0.0009	mg/L				0.09%
Ag 328.068	4262.4	0.09677	0.000203	mg/L	0.09677	0.000203	mg/L	0.21%
Al 308.215	4665.0	1.2836	0.00565	mg/L	1.2836	0.00565	mg/L	0.44%
As 193.696	1867.1	4.9407	0.00504	mg/L	4.9407	0.00504	mg/L	0.10%
B 249.773	28812.3	1.1484	0.00328	mg/L	1.1484	0.00328	mg/L	0.29%
Ba 233.527	309978.8	9.6034	0.01230	mg/L	9.6034	0.01230	mg/L	0.13%
Be 313.042	1063757.0	1.0609	0.00047	mg/L	1.0609	0.00047	mg/L	0.04%
Ca 315.887	147722.1	10.218	0.0378	mg/L	10.218	0.0378	mg/L	0.37%
Cd 214.438	30515.9	1.0202	0.00493	mg/L	1.0202	0.00493	mg/L	0.48%
Co 238.892	22873.3	1.0122	0.00457	mg/L	1.0122	0.00457	mg/L	0.45%
Cr 267.716	56983.4	0.99970	0.003986	mg/L	0.99970	0.003986	mg/L	0.40%
Cu 324.754	123337.9	0.95315	0.002255	mg/L	0.95315	0.002255	mg/L	0.24%
Fe 234.349	13382.7	1.0941	0.00050	mg/L	1.0941	0.00050	mg/L	0.05%
K 766.491	2738345.8	9.3563	0.04808	mg/L	9.3563	0.04808	mg/L	0.51%
Mo 202.030	51219.7	9.8923	0.00561	mg/L	9.8923	0.00661	mg/L	0.07%
Mn 257.610	184618.8	0.98379	0.003706	mg/L	0.98379	0.003706	mg/L	0.38%
Mg 279.079	2164.8	1.0329	0.00359	mg/L	1.0329	0.00359	mg/L	0.35%
Ni 231.604	6786.9	0.98088	0.000698	mg/L	0.98088	0.000698	mg/L	0.07%
Pb 220.353	2396.3	1.0027	0.00198	mg/L	1.0027	0.00198	mg/L	0.20%
Sn 189.933	11629.2	9.3120	0.01043	mg/L	9.3120	0.01043	mg/L	0.11%
Se 196.026	4861.7	5.0787	0.00260	mg/L	5.0787	0.00260	mg/L	0.05%
Sb 206.833	8280.9	9.8318	0.01443	mg/L	9.8318	0.01443	mg/L	0.15%
V 292.402	59750.8	0.95746	0.003568	mg/L	0.95746	0.003568	mg/L	0.37%
Tl 190.800	1025.7	1.0133	0.00029	mg/L	1.0133	0.00029	mg/L	0.03%
Zn 213.856	47962.0	1.0429	0.00205	mg/L	1.0429	0.00205	mg/L	0.20%
Na 330.237	3002.8	9.4637	0.00464	mg/L	9.4637	0.00464	mg/L	0.05%
Sr 407.771	Saturated							
K 404.721	2972.2	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 11383-2 Date: 11/18/96 8:00:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	359289.3	359289.3	0.972	mg/L		
1	Ag 328.068	113.9	117.2	0.00074	mg/L	0.00074	mg/L
1	Al 308.215	241.1	248.2	0.02406	mg/L	0.02406	mg/L
1	As 193.696	14.5	15.0	0.02136	mg/L	0.02136	mg/L
1	B 249.773	948.0	975.8	0.03178	mg/L	0.03178	mg/L
1	Ba 233.527	209.3	215.4	0.00696	mg/L	0.00696	mg/L
1	Be 313.042	1145.5	1179.1	0.00062	mg/L	0.00062	mg/L
1	Ca 315.887	6032.3	6209.0	0.43072	mg/L	0.43072	mg/L
1	Cd 214.438	153.1	157.6	0.00064	mg/L	0.00064	mg/L
1	Co 238.892	-38.9	-40.1	0.00056	mg/L	0.00056	mg/L
1	Cr 267.716	874.4	900.0	0.00267	mg/L	0.00267	mg/L
1	Cu 324.754	1885.2	1940.4	0.00213	mg/L	0.00213	mg/L
1	Fe 234.349	1012.5	1042.1	0.04787	mg/L	0.04787	mg/L
1	K 766.491	-206.5	-212.6	0.02709	mg/L	0.02709	mg/L

1	Mo 202.030	130.3	134.2	0.02664 mg/L	0.02664 mg/L
1	Mn 257.610	324.5	334.0	0.00147 mg/L	0.00147 mg/L
1	Mg 279.079	225.9	232.5	0.10817 mg/L	0.10817 mg/L
1	Ni 231.604	7.5	7.7	0.00137 mg/L	0.00137 mg/L
1	Pb 220.353	35.0	36.0	0.00329 mg/L	0.00329 mg/L
1	Sn 189.933	33.4	34.4	0.02242 mg/L	0.02242 mg/L
1	Se 196.026	25.4	26.1	0.01236 mg/L	0.01236 mg/L
1	Sb 206.833	33.4	34.4	0.01139 mg/L	0.01139 mg/L
1	V 292.402	-75.5	-77.7	0.00075 mg/L	0.00075 mg/L
1	Tl 190.800	-14.7	-15.1	0.00904 mg/L	0.00904 mg/L
1	Zn 213.856	1455.9	1498.5	0.02232 mg/L	0.02232 mg/L
1	Na 330.237	469.8	483.6	0.13153 mg/L	0.13153 mg/L
1	Sr 407.771	29518.2	30382.6		
1	K 404.721	3980.5	4097.0	0.00000 mg/L	0.00000 mg/L
2	Y 324.228	363210.2	363210.2	0.982 mg/L	
2	Ag 328.068	104.6	106.5	0.00049 mg/L	0.00049 mg/L
2	Al 308.215	234.5	238.7	0.02136 mg/L	0.02136 mg/L
2	As 193.696	10.6	10.8	0.01019 mg/L	0.01019 mg/L
2	B 249.773	941.1	958.2	0.03107 mg/L	0.03107 mg/L
2	Ba 233.527	177.5	180.7	0.00588 mg/L	0.00588 mg/L
2	Be 313.042	1020.3	1038.9	0.00048 mg/L	0.00048 mg/L
2	Ca 315.887	6047.3	6157.2	0.42713 mg/L	0.42713 mg/L
2	Cd 214.438	151.3	154.0	0.00052 mg/L	0.00052 mg/L
2	Co 238.892	-42.3	-43.0	0.00040 mg/L	0.00040 mg/L
2	Cr 267.716	858.5	874.1	0.00220 mg/L	0.00220 mg/L
2	Cu 324.754	1899.4	1933.9	0.00208 mg/L	0.00208 mg/L
2	Fe 234.349	1022.7	1041.3	0.04780 mg/L	0.04780 mg/L
2	K 766.491	-429.7	-437.5	0.02632 mg/L	0.02632 mg/L
2	Mo 202.030	94.9	96.6	0.01940 mg/L	0.01940 mg/L
2	Mn 257.610	306.0	311.6	0.00135 mg/L	0.00135 mg/L
2	Mg 279.079	234.6	238.9	0.11118 mg/L	0.11118 mg/L
2	Ni 231.604	11.9	12.1	0.00200 mg/L	0.00200 mg/L
2	Pb 220.353	33.2	33.8	0.00233 mg/L	0.00233 mg/L
2	Sn 189.933	28.2	28.7	0.01786 mg/L	0.01786 mg/L
2	Se 196.026	32.4	33.0	0.01956 mg/L	0.01956 mg/L
2	Sb 206.833	30.0	30.5	0.00681 mg/L	0.00681 mg/L
2	V 292.402	-78.5	-79.9	0.00072 mg/L	0.00072 mg/L
2	Tl 190.800	-20.6	-20.9	0.00345 mg/L	0.00345 mg/L
2	Zn 213.856	1439.8	1466.0	0.02160 mg/L	0.02160 mg/L
2	Na 330.237	470.4	478.9	0.11433 mg/L	0.11433 mg/L
2	Sr 407.771	27917.3	28424.6		
2	K 404.721	3914.5	3985.6	0.00000 mg/L	0.00000 mg/L

Mean Data

ID: 11383-2 Seq. No.: 20 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:00:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	361249.8	0.977	0.0075	mg/L				0.77%
Ag 328.068	111.8	0.00062	0.000176	mg/L	0.00062	0.000176	mg/L	28.64%
Al 308.215	243.5	0.02271	0.001907	mg/L	0.02271	0.001907	mg/L	8.40%
As 193.696	12.9	0.01577	0.007903	mg/L	0.01577	0.007903	mg/L	50.10%
B 249.773	967.0	0.03142	0.000499	mg/L	0.03142	0.000499	mg/L	1.59%
Ba 233.527	198.1	0.00642	0.000760	mg/L	0.00642	0.000760	mg/L	11.85%
Be 313.042	1109.0	0.00055	0.000099	mg/L	0.00055	0.000099	mg/L	17.84%
Ca 315.887	6183.1	0.42892	0.002533	mg/L	0.42892	0.002533	mg/L	0.59%
Cd 214.438	155.8	0.00058	0.000086	mg/L	0.00058	0.000086	mg/L	14.76%
Co 238.892	-41.6	0.00048	0.000113	mg/L	0.00048	0.000113	mg/L	23.59%
Cr 267.716	887.1	0.00244	0.000333	mg/L	0.00244	0.000333	mg/L	13.65%
Cu 324.754	1937.2	0.00210	0.000032	mg/L	0.00210	0.000032	mg/L	1.55%
Fe 234.349	1041.7	0.04783	0.000049	mg/L	0.04783	0.000049	mg/L	0.10%
K 766.491	-325.1	0.02670	0.000542	mg/L	0.02670	0.000542	mg/L	2.03%
Mo 202.030	115.4	0.02302	0.005121	mg/L	0.02302	0.005121	mg/L	22.25%
Mn 257.610	322.8	0.00141	0.000085	mg/L	0.00141	0.000085	mg/L	6.01%
Mg 279.079	235.7	0.10968	0.002128	mg/L	0.10968	0.002128	mg/L	1.94%
Ni 231.604	9.9	0.00168	0.000446	mg/L	0.00168	0.000446	mg/L	26.54%
Pb 220.353	34.9	0.00281	0.000673	mg/L	0.00281	0.000673	mg/L	23.94%
Sn 189.933	31.5	0.02014	0.003225	mg/L	0.02014	0.003225	mg/L	16.01%
Se 196.026	29.5	0.01596	0.005092	mg/L	0.01596	0.005092	mg/L	31.91%
Sb 206.833	32.4	0.00910	0.003243	mg/L	0.00910	0.003243	mg/L	35.64%
V 292.402	-78.8	0.00073	0.000024	mg/L	0.00073	0.000024	mg/L	3.32%
Tl 190.800	-18.0	0.00625	0.003958	mg/L	0.00625	0.003958	mg/L	63.37%
Zn 213.856	1482.2	0.02196	0.000504	mg/L	0.02196	0.000504	mg/L	2.30%

Na 330.237	481.2	0.12293	0.012160 mg/L	0.12293	0.012160 mg/L	9.89%
Sr 407.771	29403.6					4.71%
K 404.721	4041.3	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: 11383-2D Date: 11/18/96 8:02:09 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	358468.6	358468.6	0.969	mg/L		
1	Ag 328.068	113.9	117.5	0.00075	mg/L	0.00075	mg/L
1	Al 308.215	234.5	241.9	0.02226	mg/L	0.02226	mg/L
1	As 193.696	8.9	9.2	0.00609	mg/L	0.00609	mg/L
1	B 249.773	1242.4	1281.8	0.04405	mg/L	0.04405	mg/L
1	Ba 233.527	69.2	71.4	0.00250	mg/L	0.00250	mg/L
1	Be 313.042	617.4	636.9	0.00008	mg/L	0.00008	mg/L
1	Ca 315.887	5841.7	6026.5	0.41810	mg/L	0.41810	mg/L
1	Cd 214.438	147.3	151.9	0.00045	mg/L	0.00045	mg/L
1	Co 238.892	-41.3	-42.6	0.00036	mg/L	0.00036	mg/L
1	Cr 267.716	839.0	865.6	0.00201	mg/L	0.00201	mg/L
1	Cu 324.754	1809.7	1867.0	0.00156	mg/L	0.00156	mg/L
1	Fe 234.349	1017.2	1049.4	0.04848	mg/L	0.04848	mg/L
1	K 766.491	-1278.0	-1318.5	0.02332	mg/L	0.02332	mg/L
1	Mo 202.030	31.7	32.7	0.00704	mg/L	0.00704	mg/L
1	Mn 257.610	242.2	249.9	0.00102	mg/L	0.00102	mg/L
1	Mg 279.079	219.2	226.2	0.10518	mg/L	0.10518	mg/L
1	Ni 231.604	5.6	5.8	0.00108	mg/L	0.00108	mg/L
1	Pb 220.353	38.1	39.3	0.00456	mg/L	0.00456	mg/L
1	Sn 189.933	22.7	23.4	0.01361	mg/L	0.01361	mg/L
1	Se 196.026	14.6	15.0	0.00076	mg/L	0.00076	mg/L
1	Sb 206.833	28.5	29.4	0.00543	mg/L	0.00543	mg/L
1	V 292.402	-114.8	-118.5	0.00010	mg/L	0.00010	mg/L
1	Tl 190.800	-27.4	-28.2	-0.00359	mg/L	-0.00359	mg/L
1	Zn 213.856	1257.0	1296.8	0.01789	mg/L	0.01789	mg/L
1	Na 330.237	476.2	491.3	0.16000	mg/L	0.16000	mg/L
1	Sr 407.771	21527.6	22208.7				
1	K 404.721	3825.7	3946.7	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	359132.2	359132.2	0.971	mg/L		
2	Ag 328.068	98.2	101.1	0.00037	mg/L	0.00037	mg/L
2	Al 308.215	194.4	200.2	0.01040	mg/L	0.01040	mg/L
2	As 193.696	10.3	10.6	0.00976	mg/L	0.00976	mg/L
2	B 249.773	1249.9	1287.1	0.04426	mg/L	0.04426	mg/L
2	Ba 233.527	67.2	69.2	0.00243	mg/L	0.00243	mg/L
2	Be 313.042	616.2	634.5	0.00008	mg/L	0.00008	mg/L
2	Ca 315.887	5841.7	6015.4	0.41733	mg/L	0.41733	mg/L
2	Cd 214.438	147.3	151.6	0.00044	mg/L	0.00044	mg/L
2	Co 238.892	-44.5	-45.8	0.00021	mg/L	0.00021	mg/L
2	Cr 267.716	854.2	879.6	0.00225	mg/L	0.00225	mg/L
2	Cu 324.754	1818.9	1873.0	0.00161	mg/L	0.00161	mg/L
2	Fe 234.349	1015.7	1045.9	0.04818	mg/L	0.04818	mg/L
2	K 766.491	-1514.1	-1559.1	0.02250	mg/L	0.02250	mg/L
2	Mo 202.030	26.9	27.7	0.00608	mg/L	0.00608	mg/L
2	Mn 257.610	243.3	250.5	0.00102	mg/L	0.00102	mg/L
2	Mg 279.079	221.8	228.4	0.10625	mg/L	0.10625	mg/L
2	Ni 231.604	7.5	7.7	0.00137	mg/L	0.00137	mg/L
2	Pb 220.353	42.5	43.8	0.00641	mg/L	0.00641	mg/L
2	Sn 189.933	18.5	19.1	0.01013	mg/L	0.01013	mg/L
2	Se 196.026	13.0	13.4	-0.00099	mg/L	-0.00099	mg/L
2	Sb 206.833	25.1	25.9	0.00122	mg/L	0.00122	mg/L
2	V 292.402	-127.8	-131.6	-0.00011	mg/L	-0.00011	mg/L
2	Tl 190.800	-20.6	-21.2	0.00316	mg/L	0.00316	mg/L
2	Zn 213.856	1264.9	1302.5	0.01801	mg/L	0.01801	mg/L
2	Na 330.237	474.2	488.3	0.14893	mg/L	0.14893	mg/L
2	Sr 407.771	21425.4	22062.5				
2	K 404.721	3930.6	4047.5	0.00000	mg/L	0.00000	mg/L

Mean Data

11383-2D Seq. No.: 21 Sample No.: 0 A/S Pos: 0

Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 8:02:09 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	358800.4	0.970	0.0013	mg/L				0.13%

Ag 328.068	109.3	0.00056	0.000268 mg/L	0.00056	0.000268 mg/L	48.28%
Al 308.215	221.1	0.01633	0.008386 mg/L	0.01633	0.008386 mg/L	51.36%
As 193.696	9.9	0.00792	0.002594 mg/L	0.00792	0.002594 mg/L	32.74%
B 249.773	1284.4	0.04416	0.000151 mg/L	0.04416	0.000151 mg/L	0.34%
Ba 233.527	70.3	0.00246	0.000049 mg/L	0.00246	0.000049 mg/L	1.99%
Be 313.042	635.7	0.00008	0.000002 mg/L	0.00008	0.000002 mg/L	1.93%
Ca 315.887	6020.9	0.41771	0.000542 mg/L	0.41771	0.000542 mg/L	0.13%
Cd 214.438	151.8	0.00044	0.000007 mg/L	0.00044	0.000007 mg/L	1.55%
Co 238.892	-44.2	0.00028	0.000099 mg/L	0.00028	0.000099 mg/L	34.87%
Cr 267.716	872.6	0.00213	0.000168 mg/L	0.00213	0.000168 mg/L	7.90%
Cu 324.754	1870.0	0.00158	0.000034 mg/L	0.00158	0.000034 mg/L	2.14%
Fe 234.349	1047.6	0.04833	0.000208 mg/L	0.04833	0.000208 mg/L	0.43%
K 766.491	-1438.8	0.02291	0.000580 mg/L	0.02291	0.000580 mg/L	2.53%
Mo 202.030	30.2	0.00656	0.000679 mg/L	0.00656	0.000679 mg/L	10.35%
Mn 257.610	250.2	0.00102	0.000002 mg/L	0.00102	0.000002 mg/L	0.22%
Mg 279.079	227.3	0.10571	0.000758 mg/L	0.10571	0.000758 mg/L	0.72%
Ni 231.604	6.7	0.00122	0.000200 mg/L	0.00122	0.000200 mg/L	16.35%
Pb 220.353	41.6	0.00548	0.001310 mg/L	0.00548	0.001310 mg/L	23.89%
Sn 189.933	21.2	0.01187	0.002461 mg/L	0.01187	0.002461 mg/L	20.73%
Se 196.026	14.2	-0.00012	0.001236 mg/L	-0.00012	0.001236 mg/L	1067.41%
Sb 206.833	27.6	0.00333	0.002980 mg/L	0.00333	0.002980 mg/L	89.54%
V 292.402	-125.0	0.00000	0.000149 mg/L	0.00000	0.000149 mg/L	3169.43%
Tl 190.800	-24.7	-0.00021	0.004773 mg/L	-0.00021	0.004773 mg/L	2242.93%
Zn 213.856	1299.7	0.01795	0.000089 mg/L	0.01795	0.000089 mg/L	0.49%
Na 330.237	489.8	0.15446	0.007825 mg/L	0.15446	0.007825 mg/L	5.07%
Sr 407.771	22135.6					0.47%
K 404.721	3997.1	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: 11383-2MS Date: 11/18/96 8:04:17 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1	Y 324.228	352677.8	352677.8	0.954 mg/L	
1	Ag 328.068	4038.6	4234.8	0.09613 mg/L	0.09613 mg/L
1	Al 308.215	4499.9	4718.5	1.2988 mg/L	1.2988 mg/L
1	As 193.696	1766.5	1852.3	4.9012 mg/L	4.9012 mg/L
1	B 249.773	25960.0	27221.1	1.0846 mg/L	1.0846 mg/L
1	Ba 233.527	297621.9	312079.5	9.6684 mg/L	9.6684 mg/L
1	Be 313.042	1013294.6	1062517.4	1.0597 mg/L	1.0597 mg/L
1	Ca 315.887	145986.0	153077.6	10.589 mg/L	10.589 mg/L
1	Cd 214.438	29060.2	30471.9	1.0187 mg/L	1.0187 mg/L
1	Co 238.892	21764.4	22821.6	1.0100 mg/L	1.0100 mg/L
1	Cr 267.716	54357.5	56998.1	0.99991 mg/L	0.99991 mg/L
1	Cu 324.754	117628.9	123342.9	0.95320 mg/L	0.95320 mg/L
1	Fe 234.349	13150.1	13788.9	1.1285 mg/L	1.1285 mg/L
1	K 766.491	2603992.9	2730487.0	9.3295 mg/L	9.3295 mg/L
1	Mo 202.030	48786.3	51156.2	9.8800 mg/L	9.8800 mg/L
1	Mn 257.610	176049.5	184601.5	0.98369 mg/L	0.98369 mg/L
1	Mg 279.079	2232.4	2340.8	1.1163 mg/L	1.1163 mg/L
1	Ni 231.604	6476.2	6790.7	0.98143 mg/L	0.98143 mg/L
1	Pb 220.353	2290.0	2401.2	1.0046 mg/L	1.0046 mg/L
1	Sn 189.933	10650.0	11167.4	8.9424 mg/L	8.9424 mg/L
1	Se 196.026	4597.2	4820.5	5.0354 mg/L	5.0354 mg/L
1	Sb 206.833	7885.1	8268.1	9.8166 mg/L	9.8166 mg/L
1	V 292.402	56886.5	59649.9	0.95585 mg/L	0.95585 mg/L
1	Tl 190.800	959.5	1006.1	0.99437 mg/L	0.99437 mg/L
1	Zn 213.856	45752.8	47975.4	1.0432 mg/L	1.0432 mg/L
1	Na 330.237	2858.8	2997.6	9.4448 mg/L	9.4448 mg/L
1	Sr 407.771	Saturated			
1	K 404.721	2810.2	2946.7	0.00000 mg/L	0.00000 mg/L
2	Y 324.228	355426.7	355426.7	0.961 mg/L	
2	Ag 328.068	4053.0	4217.0	0.09572 mg/L	0.09572 mg/L
2	Al 308.215	4482.9	4664.3	1.2834 mg/L	1.2834 mg/L
2	As 193.696	1772.3	1844.0	4.8793 mg/L	4.8793 mg/L
2	B 249.773	26115.3	27172.1	1.0826 mg/L	1.0826 mg/L
2	Ba 233.527	297925.6	309981.8	9.6035 mg/L	9.6035 mg/L
2	Be 313.042	1013881.3	1054910.3	1.0521 mg/L	1.0521 mg/L
2	Ca 315.887	146420.1	152345.3	10.538 mg/L	10.538 mg/L
2	Cd 214.438	29130.6	30309.4	1.0133 mg/L	1.0133 mg/L
2	Co 238.892	21826.9	22710.2	1.0053 mg/L	1.0053 mg/L
2	Cr 267.716	54560.6	56768.5	0.99594 mg/L	0.99594 mg/L
2	Cu 324.754	118739.7	123544.8	0.95480 mg/L	0.95480 mg/L
2	Fe 234.349	13168.2	13701.1	1.1211 mg/L	1.1211 mg/L

2	K 766.491	2612594.2	2718318.6	9.2881 mg/L	9.2881 mg/L
2	Mo 202.030	49129.8	51117.9	9.8726 mg/L	9.8726 mg/L
2	Mn 257.610	176839.1	183995.3	0.98046 mg/L	0.98046 mg/L
2	Mg 279.079	2228.0	2318.1	1.1055 mg/L	1.1055 mg/L
2	Ni 231.604	6477.5	6739.6	0.97403 mg/L	0.97403 mg/L
2	Pb 220.353	2286.2	2378.7	0.99537 mg/L	0.99537 mg/L
2	Sn 189.933	10694.2	11127.0	8.9100 mg/L	8.9100 mg/L
2	Se 196.026	4616.0	4802.8	5.0169 mg/L	5.0169 mg/L
2	Sb 206.833	7903.5	8223.3	9.7635 mg/L	9.7635 mg/L
2	V 292.402	57285.1	59603.3	0.95511 mg/L	0.95511 mg/L
2	Tl 190.800	973.4	1012.7	1.0008 mg/L	1.0008 mg/L
2	Zn 213.856	45988.9	47850.0	1.0404 mg/L	1.0404 mg/L
2	Na 330.237	2860.2	2975.9	9.3643 mg/L	9.3643 mg/L
2	Sr 407.771	Saturated			
2	K 404.721	2863.6	2979.4	0.00000 mg/L	0.00000 mg/L

Mean Data

ID: 11383-2MS Seq. No.: 22 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:04:17 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	354052.3	0.957	0.0053	mg/L				0.55%
Ag 328.068	4225.9	0.09592	0.000292	mg/L	0.09592	0.000292	mg/L	0.30%
Al 308.215	4691.4	1.2911	0.01091	mg/L	1.2911	0.01091	mg/L	0.84%
As 193.696	1848.1	4.8902	0.01547	mg/L	4.8902	0.01547	mg/L	0.32%
B 249.773	27196.6	1.0836	0.00139	mg/L	1.0836	0.00139	mg/L	0.13%
Ba 233.527	311030.6	9.6359	0.04595	mg/L	9.6359	0.04595	mg/L	0.48%
Be 313.042	1058713.9	1.0559	0.00537	mg/L	1.0559	0.00537	mg/L	0.51%
Ca 315.887	152711.4	10.563	0.0358	mg/L	10.563	0.0358	mg/L	0.34%
Cd 214.438	30390.6	1.0160	0.00385	mg/L	1.0160	0.00385	mg/L	0.38%
Co 238.892	22765.9	1.0076	0.00334	mg/L	1.0076	0.00334	mg/L	0.33%
Cr 267.716	56883.3	0.99792	0.002803	mg/L	0.99792	0.002803	mg/L	0.28%
Cu 324.754	123443.8	0.95400	0.001130	mg/L	0.95400	0.001130	mg/L	0.12%
Fe 234.349	13745.0	1.1248	0.00526	mg/L	1.1248	0.00526	mg/L	0.47%
K 766.491	2724402.8	9.3088	0.02931	mg/L	9.3088	0.02931	mg/L	0.31%
Mo 202.030	51137.1	9.8763	0.00523	mg/L	9.8763	0.00523	mg/L	0.05%
Mn 257.610	184298.4	0.98208	0.002285	mg/L	0.98208	0.002285	mg/L	0.23%
Mg 279.079	2329.5	1.1109	0.00762	mg/L	1.1109	0.00762	mg/L	0.69%
Ni 231.604	6765.2	0.97773	0.005228	mg/L	0.97773	0.005228	mg/L	0.53%
Pb 220.353	2389.9	1.0000	0.00656	mg/L	1.0000	0.00656	mg/L	0.66%
Sn 189.933	11147.2	8.9262	0.02291	mg/L	8.9262	0.02291	mg/L	0.26%
Se 196.026	4811.7	5.0262	0.01312	mg/L	5.0262	0.01312	mg/L	0.26%
Sb 206.833	8245.7	9.7901	0.03755	mg/L	9.7901	0.03755	mg/L	0.38%
V 292.402	59626.6	0.95548	0.000527	mg/L	0.95548	0.000527	mg/L	0.06%
Tl 190.800	1009.4	0.99757	0.004530	mg/L	0.99757	0.004530	mg/L	0.45%
Zn 213.856	47912.7	1.0418	0.00195	mg/L	1.0418	0.00195	mg/L	0.19%
Na 330.237	2986.8	9.4045	0.05689	mg/L	9.4045	0.05689	mg/L	0.60%
Sr 407.771		Saturated						
K 404.721	2963.1	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: 11383-2MD Date: 11/18/96 8:06:27 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	349435.0	349435.0	0.945	mg/L		
1	Ag 328.068	4034.0	4269.2	0.09692	mg/L	0.09692	mg/L
1	Al 308.215	4531.5	4795.8	1.3208	mg/L	1.3208	mg/L
1	As 193.696	1732.9	1834.0	4.8525	mg/L	4.8525	mg/L
1	B 249.773	26725.2	28283.5	1.1272	mg/L	1.1272	mg/L
1	Ba 233.527	298584.0	315993.8	9.7897	mg/L	9.7897	mg/L
1	Be 313.042	1003317.3	1061818.7	1.0590	mg/L	1.0590	mg/L
1	Ca 315.887	145238.0	153706.5	10.632	mg/L	10.632	mg/L
1	Cd 214.438	28958.0	30646.5	1.0245	mg/L	1.0245	mg/L
1	Co 238.892	21496.9	22750.3	1.0069	mg/L	1.0069	mg/L
1	Cr 267.716	53740.7	56874.2	0.99770	mg/L	0.99770	mg/L
1	Cu 324.754	115393.0	122121.3	0.94357	mg/L	0.94357	mg/L
1	Fe 234.349	13116.7	13881.5	1.1364	mg/L	1.1364	mg/L
1	K 766.491	2613331.8	2765709.9	9.4495	mg/L	9.4495	mg/L
1	Mo 202.030	48219.0	51030.5	9.8557	mg/L	9.8557	mg/L
1	Mn 257.610	174134.3	184287.7	0.98202	mg/L	0.98202	mg/L
1	Mg 279.079	2215.7	2344.8	1.1181	mg/L	1.1181	mg/L
1	Ni 231.604	6390.3	6762.9	0.97740	mg/L	0.97740	mg/L

1	Pb 220.353	2288.5	2421.9	1.0131	mg/L	1.0131 mg/L
1	Sn 189.933	10110.8	10700.3	8.5685	mg/L	8.5685 mg/L
1	Se 196.026	4550.6	4815.9	5.0307	mg/L	5.0307 mg/L
1	Sb 206.833	7743.6	8195.2	9.7301	mg/L	9.7301 mg/L
1	V 292.402	55949.3	59211.6	0.94884	mg/L	0.94884 mg/L
1	Tl 190.800	950.9	1006.3	0.99455	mg/L	0.99455 mg/L
1	Zn 213.856	45507.1	48160.5	1.0472	mg/L	1.0472 mg/L
1	Na 330.237	2885.8	3054.1	9.6538	mg/L	9.6538 mg/L
1	Sr 407.771	Saturated				
1	K 404.721	2783.8	2946.1	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	351477.5	351477.5	0.950	mg/L	
2	Ag 328.068	4051.8	4263.1	0.09678	mg/L	0.09678 mg/L
2	Al 308.215	4573.1	4811.7	1.3254	mg/L	1.3254 mg/L
2	As 193.696	1727.7	1817.8	4.8095	mg/L	4.8095 mg/L
2	B 249.773	26856.7	28257.5	1.1261	mg/L	1.1261 mg/L
2	Ba 233.527	299697.1	315328.6	9.7691	mg/L	9.7691 mg/L
2	Be 313.042	1007732.5	1060293.7	1.0575	mg/L	1.0575 mg/L
2	Ca 315.887	145524.9	153115.1	10.591	mg/L	10.591 mg/L
2	Cd 214.438	28958.5	30468.9	1.0186	mg/L	1.0186 mg/L
2	Co 238.892	21574.9	22700.2	1.0046	mg/L	1.0046 mg/L
2	Cr 267.716	53972.8	56787.9	0.99610	mg/L	0.99610 mg/L
2	Cu 324.754	115789.8	121829.2	0.94129	mg/L	0.94129 mg/L
2	Fe 234.349	13136.0	13821.2	1.1313	mg/L	1.1313 mg/L
2	K 766.491	2614258.5	2750612.5	9.3981	mg/L	9.3981 mg/L
2	Mo 202.030	48343.7	50865.2	9.8238	mg/L	9.8238 mg/L
2	Mn 257.610	174511.4	183613.5	0.97843	mg/L	0.97843 mg/L
2	Mg 279.079	2229.7	2346.0	1.1186	mg/L	1.1186 mg/L
2	Ni 231.604	6426.2	6761.4	0.97718	mg/L	0.97718 mg/L
2	Pb 220.353	2287.6	2406.9	1.0068	mg/L	1.0068 mg/L
2	Sn 189.933	10156.5	10686.2	8.5572	mg/L	8.5572 mg/L
2	Se 196.026	4555.3	4792.9	5.0065	mg/L	5.0065 mg/L
2	Sb 206.833	7756.0	8160.6	9.6890	mg/L	9.6890 mg/L
2	V 292.402	56289.6	59225.6	0.94907	mg/L	0.94907 mg/L
2	Tl 190.800	953.5	1003.3	0.99163	mg/L	0.99163 mg/L
2	Zn 213.856	45577.8	47955.0	1.0427	mg/L	1.0427 mg/L
2	Na 330.237	2890.1	3040.9	9.6049	mg/L	9.6049 mg/L
2	Sr 407.771	Saturated				
2	K 404.721	2849.4	2998.0	0.00000	mg/L	0.00000 mg/L

Mean Data ----------

ID: 11383-2MD Seq. No.: 23 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:06:27 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Sample Mean Conc.	Sample Std.Dev.	Units	RSD
Y 324.228	350456.3	0.948	0.0039	mg/L				0.41%
Ag 328.068	4266.2	0.09685	0.000099	mg/L	0.09685	0.000099	mg/L	0.10%
Al 308.215	4803.7	1.3231	0.00320	mg/L	1.3231	0.00320	mg/L	0.24%
As 193.696	1825.9	4.8310	0.03043	mg/L	4.8310	0.03043	mg/L	0.63%
B 249.773	28270.5	1.1267	0.00074	mg/L	1.1267	0.00074	mg/L	0.07%
Ba 233.527	315661.2	9.7794	0.01457	mg/L	9.7794	0.01457	mg/L	0.15%
Be 313.042	1061056.2	1.0583	0.00108	mg/L	1.0583	0.00108	mg/L	0.10%
Ca 315.887	153410.8	10.612	0.0289	mg/L	10.612	0.0289	mg/L	0.27%
Cd 214.438	30557.7	1.0216	0.00421	mg/L	1.0216	0.00421	mg/L	0.41%
Co 238.892	22725.3	1.0057	0.00160	mg/L	1.0057	0.00160	mg/L	0.16%
Cr 267.716	56831.1	0.99690	0.001126	mg/L	0.99690	0.001126	mg/L	0.11%
Cu 324.754	121975.2	0.94243	0.001613	mg/L	0.94243	0.001613	mg/L	0.17%
Fe 234.349	13851.3	1.1338	0.00361	mg/L	1.1338	0.00361	mg/L	0.32%
K 766.491	2758161.2	9.4238	0.03637	mg/L	9.4238	0.03637	mg/L	0.39%
Mo 202.030	50947.9	9.8397	0.02257	mg/L	9.8397	0.02257	mg/L	0.23%
Mn 257.610	183950.6	0.98022	0.002541	mg/L	0.98022	0.002541	mg/L	0.26%
Mg 279.079	2345.4	1.1184	0.00035	mg/L	1.1184	0.00035	mg/L	0.03%
Ni 231.604	6762.1	0.97729	0.000155	mg/L	0.97729	0.000155	mg/L	0.02%
Pb 220.353	2414.4	1.0099	0.00442	mg/L	1.0099	0.00442	mg/L	0.44%
Sn 189.933	10693.3	8.5629	0.00800	mg/L	8.5629	0.00800	mg/L	0.09%
Se 196.026	4804.4	5.0186	0.01708	mg/L	5.0186	0.01708	mg/L	0.34%
Sb 206.833	8177.9	9.7095	0.02908	mg/L	9.7095	0.02908	mg/L	0.30%
V 292.402	59218.6	0.94895	0.000158	mg/L	0.94895	0.000158	mg/L	0.02%
Tl 190.800	1004.8	0.99309	0.002063	mg/L	0.99309	0.002063	mg/L	0.21%
Zn 213.856	48057.8	1.0450	0.00319	mg/L	1.0450	0.00319	mg/L	0.31%
Na 330.237	3047.5	9.6293	0.03457	mg/L	9.6293	0.03457	mg/L	0.36%
Sr 407.771	Saturated							
K 404.721	2972.0	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------
ID: 11383-2L Date: 11/18/96 8:08:41 AM

Rep	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	360059.5	360059.5	0.974	mg/L		
1	Ag 328.068	84.5	86.8	0.00004	mg/L	0.00018	mg/L
1	Al 308.215	382.9	393.3	0.06535	mg/L	0.32677	mg/L
1	As 193.696	13.6	14.0	0.01874	mg/L	0.09369	mg/L
1	B 249.773	693.7	712.5	0.02122	mg/L	0.10609	mg/L
1	Ba 233.527	279.4	286.9	0.00917	mg/L	0.04586	mg/L
1	Be 313.042	1172.1	1203.9	0.00065	mg/L	0.00325	mg/L
1	Ca 315.887	3465.2	3559.1	0.24748	mg/L	1.2374	mg/L
1	Cd 214.438	155.9	160.1	0.00073	mg/L	0.00365	mg/L
1	Co 238.892	-30.5	-31.3	0.00093	mg/L	0.00466	mg/L
1	Cr 267.716	1121.1	1151.5	0.00699	mg/L	0.03496	mg/L
1	Cu 324.754	1780.1	1828.3	0.00124	mg/L	0.00620	mg/L
1	Fe 234.349	652.8	670.4	0.01635	mg/L	0.08177	mg/L
1	K 766.491	-3584.5	-3681.5	0.01527	mg/L	0.07635	mg/L
1	Mo 202.030	139.3	143.1	0.02836	mg/L	0.14179	mg/L
1	Mn 257.610	245.7	252.4	0.00103	mg/L	0.00515	mg/L
1	Mg 279.079	72.2	74.2	0.03323	mg/L	0.16613	mg/L
1	Ni 231.604	98.7	101.4	0.01490	mg/L	0.07449	mg/L
1	Pb 220.353	39.8	40.9	0.00526	mg/L	0.02632	mg/L
1	Sn 189.933	33.5	34.4	0.02239	mg/L	0.11194	mg/L
1	Se 196.026	27.7	28.4	0.01477	mg/L	0.07384	mg/L
1	Sb 206.833	30.8	31.7	0.00815	mg/L	0.04076	mg/L
1	V 292.402	-60.3	-61.9	0.00100	mg/L	0.00502	mg/L
1	Tl 190.800	-22.7	-23.3	0.00113	mg/L	0.00563	mg/L
1	Zn 213.856	852.0	875.1	0.00863	mg/L	0.04313	mg/L
1	Na 330.237	433.0	444.7	-0.01243	mg/L	-0.06216	mg/L
1	Sr 407.771	45252.5	46477.9				
1	K 404.721	3932.3	4038.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	360949.4	360949.4	0.976	mg/L		
2	Ag 328.068	79.5	81.5	-0.00009	mg/L	-0.00044	mg/L
2	Al 308.215	426.3	436.7	0.07772	mg/L	0.38862	mg/L
2	As 193.696	10.6	10.8	0.01024	mg/L	0.05121	mg/L
2	B 249.773	678.6	695.3	0.02053	mg/L	0.10263	mg/L
2	Ba 233.527	237.1	242.9	0.00781	mg/L	0.03905	mg/L
2	Be 313.042	1095.4	1122.3	0.00057	mg/L	0.00284	mg/L
2	Ca 315.887	3460.2	3545.2	0.24652	mg/L	1.2326	mg/L
2	Cd 214.438	155.4	159.2	0.00070	mg/L	0.00348	mg/L
2	Co 238.892	-34.9	-35.8	0.00072	mg/L	0.00358	mg/L
2	Cr 267.716	1112.9	1140.2	0.00678	mg/L	0.03388	mg/L
2	Cu 324.754	1715.5	1757.6	0.00069	mg/L	0.00343	mg/L
2	Fe 234.349	655.2	671.2	0.01642	mg/L	0.08211	mg/L
2	K 766.491	-3851.3	-3945.8	0.01437	mg/L	0.07185	mg/L
2	Mo 202.030	108.2	110.9	0.02215	mg/L	0.11074	mg/L
2	Mn 257.610	222.2	227.6	0.00090	mg/L	0.00449	mg/L
2	Mg 279.079	71.5	73.3	0.03280	mg/L	0.16399	mg/L
2	Ni 231.604	98.2	100.7	0.01479	mg/L	0.07396	mg/L
2	Pb 220.353	35.2	36.1	0.00327	mg/L	0.01636	mg/L
2	Sn 189.933	31.3	32.1	0.02052	mg/L	0.10261	mg/L
2	Se 196.026	20.5	21.0	0.00701	mg/L	0.03507	mg/L
2	Sb 206.833	31.4	32.2	0.00872	mg/L	0.04361	mg/L
2	V 292.402	-83.9	-85.9	0.00062	mg/L	0.00310	mg/L
2	Tl 190.800	-17.8	-18.2	0.00607	mg/L	0.03037	mg/L
2	Zn 213.856	829.8	850.2	0.00808	mg/L	0.04039	mg/L
2	Na 330.237	441.2	452.1	0.01480	mg/L	0.07400	mg/L
2	Sr 407.771	43780.3	44855.0				
2	K 404.721	3979.4	4077.1	0.00000	mg/L	0.00000	mg/L

Mean Data ----------
ID: 11383-2L Seq. No.: 24 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 5.0
Data: Reprocessed Date: 11/18/96 8:08:41 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	360504.4	0.975	0.0017	mg/L				0.17%
Ag 328.068	84.2	-0.00003	0.000088	mg/L	-0.00013	0.000438	mg/L	335.74%
Al 308.215	415.0	0.07154	0.008746	mg/L	0.35770	0.043729	mg/L	12.23%
As 193.696	12.4	0.01449	0.006008	mg/L	0.07245	0.030042	mg/L	41.47%
B 249.773	703.9	0.02087	0.000489	mg/L	0.10436	0.002447	mg/L	2.34%

Ba 233.527	264.9	0.00849	0.000964 mg/L	0.04245	0.004819 mg/L	11.35%
Be 313.042	1163.1	0.00061	0.000057 mg/L	0.00304	0.000287 mg/L	9.43%
Ca 315.887	3552.1	0.24700	0.000681 mg/L	1.2350	0.00341 mg/L	0.28%
Cd 214.438	159.7	0.00071	0.000023 mg/L	0.00356	0.000116 mg/L	3.25%
Co 238.892	-33.6	0.00082	0.000153 mg/L	0.00412	0.000765 mg/L	18.55%
Cr 267.716	1145.8	0.00688	0.000152 mg/L	0.03442	0.000760 mg/L	2.21%
Cu 324.754	1792.9	0.00096	0.000392 mg/L	0.00481	0.001958 mg/L	40.68%
Fe 234.349	670.8	0.01639	0.000048 mg/L	0.08194	0.000239 mg/L	0.29%
K 766.491	-3813.7	0.01482	0.000637 mg/L	0.07410	0.003183 mg/L	4.30%
Mo 202.030	127.0	0.02525	0.004391 mg/L	0.12626	0.021953 mg/L	17.39%
Mn 257.610	240.0	0.00096	0.000093 mg/L	0.00482	0.000466 mg/L	9.67%
Mg 279.079	73.8	0.03301	0.000302 mg/L	0.16506	0.001510 mg/L	0.91%
Ni 231.604	101.0	0.01485	0.000075 mg/L	0.07423	0.000373 mg/L	0.50%
Pb 220.353	38.5	0.00427	0.001409 mg/L	0.02134	0.007044 mg/L	33.01%
Sn 189.933	33.2	0.02146	0.001319 mg/L	0.10728	0.006597 mg/L	6.15%
Se 196.026	24.7	0.01089	0.005483 mg/L	0.05445	0.027413 mg/L	50.34%
Sb 206.833	31.9	0.00844	0.000404 mg/L	0.04218	0.002021 mg/L	4.79%
V 292.402	-73.9	0.00081	0.000271 mg/L	0.00406	0.001355 mg/L	33.36%
Tl 190.800	-20.8	0.00360	0.003498 mg/L	0.01800	0.017492 mg/L	97.19%
Zn 213.856	862.6	0.00835	0.000387 mg/L	0.04176	0.001936 mg/L	4.64%
Na 330.237	448.4	0.00118	0.019255 mg/L	0.00592	0.096276 mg/L	1625.86%
Sr 407.771	45666.5					2.51%
K 404.721	4057.9	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: PBW:14751 Date: 11/18/96 8:11:00 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	355544.5	355544.5	0.961	mg/L		
1	Ag 328.068	90.9	94.6	0.00022	mg/L	0.00022	mg/L
1	Al 308.215	151.1	157.2	-0.00187	mg/L	-0.00187	mg/L
1	As 193.696	9.3	9.6	0.00717	mg/L	0.00717	mg/L
1	B 249.773	1920.9	1998.0	0.07278	mg/L	0.07278	mg/L
1	Ba 233.527	41.8	43.4	0.00163	mg/L	0.00163	mg/L
1	Be 313.042	645.9	671.8	0.00012	mg/L	0.00012	mg/L
1	Ca 315.887	265.2	275.8	0.02046	mg/L	0.02046	mg/L
1	Cd 214.438	145.4	151.2	0.00042	mg/L	0.00042	mg/L
1	Co 238.892	-46.9	-48.7	0.00011	mg/L	0.00011	mg/L
1	Cr 267.716	746.6	776.6	0.00049	mg/L	0.00049	mg/L
1	Cu 324.754	1675.0	1742.2	0.00057	mg/L	0.00057	mg/L
1	Fe 234.349	561.6	584.2	0.00904	mg/L	0.00904	mg/L
1	K 766.491	-7105.4	-7390.5	0.00264	mg/L	0.00264	mg/L
1	Mo 202.030	40.9	42.6	0.00895	mg/L	0.00895	mg/L
1	Mn 257.610	97.5	101.4	0.00023	mg/L	0.00023	mg/L
1	Mg 279.079	35.3	36.7	0.01545	mg/L	0.01545	mg/L
1	Ni 231.604	1.4	1.5	0.00046	mg/L	0.00046	mg/L
1	Pb 220.353	33.6	34.9	0.00277	mg/L	0.00277	mg/L
1	Sn 189.933	25.6	26.6	0.01607	mg/L	0.01607	mg/L
1	Se 196.026	24.0	25.0	0.01122	mg/L	0.01122	mg/L
1	Sb 206.833	27.7	28.8	0.00466	mg/L	0.00466	mg/L
1	V 292.402	-109.8	-114.2	0.00017	mg/L	0.00017	mg/L
1	Tl 190.800	-14.0	-14.6	0.00957	mg/L	0.00957	mg/L
1	Zn 213.856	1139.0	1184.7	0.01542	mg/L	0.01542	mg/L
1	Na 330.237	435.6	453.0	0.01842	mg/L	0.01842	mg/L
1	Sr 407.771	5446.3	5664.8				
1	K 404.721	3889.1	4045.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	355189.0	355189.0	0.960	mg/L		
2	Ag 328.068	98.2	102.2	0.00039	mg/L	0.00039	mg/L
2	Al 308.215	179.4	186.8	0.00658	mg/L	0.00658	mg/L
2	As 193.696	8.6	8.9	0.00533	mg/L	0.00533	mg/L
2	B 249.773	1914.4	1993.2	0.07259	mg/L	0.07259	mg/L
2	Ba 233.527	30.4	31.6	0.00126	mg/L	0.00126	mg/L
2	Be 313.042	620.8	646.4	0.00009	mg/L	0.00009	mg/L
2	Ca 315.887	295.3	307.4	0.02264	mg/L	0.02264	mg/L
2	Cd 214.438	138.9	144.6	0.00020	mg/L	0.00020	mg/L
2	Co 238.892	-45.5	-47.4	0.00015	mg/L	0.00015	mg/L
2	Cr 267.716	758.8	790.0	0.00072	mg/L	0.00072	mg/L
2	Cu 324.754	1680.4	1749.6	0.00063	mg/L	0.00063	mg/L
2	Fe 234.349	556.3	579.2	0.00862	mg/L	0.00862	mg/L
2	K 766.491	-7174.3	-7469.6	0.00237	mg/L	0.00237	mg/L
2	Mo 202.030	32.4	33.8	0.00726	mg/L	0.00726	mg/L
2	Mn 257.610	94.4	98.3	0.00021	mg/L	0.00021	mg/L
2	Mg 279.079	32.1	33.4	0.01392	mg/L	0.01392	mg/L

2 Ni 231.604	2.8	2.9	0.00067 mg/L	0.00067 mg/L	
2 Pb 220.353	35.1	36.5	0.00342 mg/L	0.00342 mg/L	
2 Sn 189.933	22.6	23.5	0.01362 mg/L	0.01362 mg/L	
2 Se 196.026	21.1	21.9	0.00799 mg/L	0.00799 mg/L	
2 Sb 206.833	28.2	29.3	0.00528 mg/L	0.00528 mg/L	
2 V 292.402	-108.7	-113.2	0.00018 mg/L	0.00018 mg/L	
2 Tl 190.800	-18.8	-19.6	0.00475 mg/L	0.00475 mg/L	
2 Zn 213.856	1136.4	1183.2	0.01539 mg/L	0.01539 mg/L	
2 Na 330.237	447.5	465.9	0.06603 mg/L	0.06603 mg/L	
2 Sr 407.771	5341.4	5561.3			
2 K 404.721	3915.7	4076.9	0.00000 mg/L	0.00000 mg/L	

Mean Data

ID: PBW:14751 Seq. No.: 25 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:11:00 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	355366.7	0.961	0.0007	mg/L				0.07%
Ag 328.068	98.4	0.00030	0.000125	mg/L	0.00030	0.000125	mg/L	41.22%
Al 308.215	172.0	0.00236	0.005972	mg/L	0.00236	0.005972	mg/L	253.30%
As 193.696	9.3	0.00625	0.001299	mg/L	0.00625	0.001299	mg/L	20.78%
B 249.773	1995.6	0.07269	0.000135	mg/L	0.07269	0.000135	mg/L	0.19%
Ba 233.527	37.5	0.00145	0.000259	mg/L	0.00145	0.000259	mg/L	17.88%
Be 313.042	659.1	0.00011	0.000018	mg/L	0.00011	0.000018	mg/L	16.90%
Ca 315.887	291.6	0.02155	0.001544	mg/L	0.02155	0.001544	mg/L	7.17%
Cd 214.438	147.9	0.00031	0.000157	mg/L	0.00031	0.000157	mg/L	50.40%
Co 238.892	-48.1	0.00013	0.000034	mg/L	0.00013	0.000034	mg/L	25.84%
Cr 267.716	783.3	0.00060	0.000159	mg/L	0.00060	0.000159	mg/L	26.32%
Cu 324.754	1745.9	0.00060	0.000042	mg/L	0.00060	0.000042	mg/L	6.97%
Fe 234.349	581.7	0.00883	0.000297	mg/L	0.00883	0.000297	mg/L	3.37%
K 766.491	-7430.0	0.00250	0.000191	mg/L	0.00250	0.000191	mg/L	7.62%
Mo 202.030	38.2	0.00810	0.001201	mg/L	0.00810	0.001201	mg/L	14.82%
Mn 257.610	99.8	0.00022	0.000012	mg/L	0.00022	0.000012	mg/L	5.37%
Mg 279.079	35.1	0.01468	0.001083	mg/L	0.01468	0.001083	mg/L	7.38%
Ni 231.604	2.2	0.00056	0.000149	mg/L	0.00056	0.000149	mg/L	26.32%
Pb 220.353	35.7	0.00309	0.000464	mg/L	0.00309	0.000464	mg/L	15.00%
Sn 189.933	25.1	0.01485	0.001732	mg/L	0.01485	0.001732	mg/L	11.67%
Se 196.026	23.5	0.00961	0.002284	mg/L	0.00961	0.002284	mg/L	23.77%
Sb 206.833	29.1	0.00497	0.000441	mg/L	0.00497	0.000441	mg/L	8.87%
V 292.402	-113.7	0.00018	0.000012	mg/L	0.00018	0.000012	mg/L	6.71%
Tl 190.800	-17.1	0.00716	0.003408	mg/L	0.00716	0.003408	mg/L	47.60%
Zn 213.856	1183.9	0.01541	0.000023	mg/L	0.01541	0.000023	mg/L	0.15%
Na 330.237	459.5	0.04222	0.033662	mg/L	0.04222	0.033662	mg/L	79.72%
Sr 407.771	5613.1							1.30%
K 404.721	4061.0	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: LCS:14751 Date: 11/18/96 8:13:20 AM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Y 324.228	355470.5	355470.5	0.961	mg/L		
1 Ag 328.068	77.5	80.6	-0.00011	mg/L	-0.00011	mg/L
1 Al 308.215	1385.3	1441.2	0.36371	mg/L	0.36371	mg/L
1 As 193.696	9.7	10.1	0.00374	mg/L	0.00374	mg/L
1 B 249.773	2043.8	2126.2	0.07793	mg/L	0.07793	mg/L
1 Ba 233.527	24.1	25.1	0.00106	mg/L	0.00106	mg/L
1 Be 313.042	185.6	193.1	-0.00035	mg/L	-0.00035	mg/L
1 Ca 315.887	345.5	359.5	0.02620	mg/L	0.02620	mg/L
1 Cd 214.438	42.0	43.7	0.00035	mg/L	0.00035	mg/L
1 Co 238.892	-962.6	-1001.4	0.00726	mg/L	0.00726	mg/L
1 Cr 267.716	-590.8	-614.6	0.01065	mg/L	0.01065	mg/L
1 Cu 324.754	2315.0	2408.4	-0.00145	mg/L	-0.00145	mg/L
1 Fe 234.349	529.4	550.7	0.00620	mg/L	0.00620	mg/L
1 K 766.491	-6589.9	-6855.8	0.00446	mg/L	0.00446	mg/L
1 Mo 202.030	48147.2	50089.4	9.6736	mg/L	9.6736	mg/L
1 Mn 257.610	101.9	106.0	0.00025	mg/L	0.00025	mg/L
1 Mg 279.079	10.2	10.6	0.00311	mg/L	0.00311	mg/L
1 Ni 231.604	-8.4	-8.7	-0.00101	mg/L	-0.00101	mg/L
1 Pb 220.353	-39.6	-41.2	0.00175	mg/L	0.00175	mg/L
1 Sn 189.933	11086.0	11533.2	9.2282	mg/L	9.2282	mg/L
1 Se 196.026	17.7	18.4	-0.00028	mg/L	-0.00028	mg/L
1 Sb 206.833	7790.4	8104.6	9.6178	mg/L	9.6178	mg/L

1	V 292.402	-1048.8	-1091.1	-0.01545	mg/L	-0.01545 mg/L
1	Tl 190.800	-17.0	-17.7	0.00531	mg/L	0.00531 mg/L
1	Zn 213.856	802.4	834.8	0.00774	mg/L	0.00774 mg/L
1	Na 330.237	364.4	379.1	-0.25553	mg/L	-0.25553 mg/L
1	Sr 407.771	5608.8	5835.1			
1	K 404.721	3830.9	3985.4	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	357226.0	357226.0	0.966	mg/L	
2	Ag 328.068	76.1	78.8	-0.00015	mg/L	-0.00015 mg/L
2	Al 308.215	1352.0	1399.6	0.35187	mg/L	0.35187 mg/L
2	As 193.696	10.1	10.4	0.00471	mg/L	0.00471 mg/L
2	B 249.773	2058.8	2131.3	0.07813	mg/L	0.07813 mg/L
2	Ba 233.527	25.0	25.8	0.00108	mg/L	0.00108 mg/L
2	Be 313.042	166.8	172.6	-0.00037	mg/L	-0.00037 mg/L
2	Ca 315.887	345.7	357.8	0.02609	mg/L	0.02609 mg/L
2	Cd 214.438	41.8	43.3	0.00034	mg/L	0.00034 mg/L
2	Co 238.892	-961.4	-995.3	0.00758	mg/L	0.00758 mg/L
2	Cr 267.716	-571.8	-592.0	0.01108	mg/L	0.01108 mg/L
2	Cu 324.754	2334.6	2416.9	-0.00139	mg/L	-0.00139 mg/L
2	Fe 234.349	546.8	566.1	0.00751	mg/L	0.00751 mg/L
2	K 766.491	-6483.5	-6711.9	0.00495	mg/L	0.00495 mg/L
2	Mo 202.030	48443.2	50149.7	9.6852	mg/L	9.6852 mg/L
2	Mn 257.610	100.0	103.5	0.00024	mg/L	0.00024 mg/L
2	Mg 279.079	23.6	24.4	0.00966	mg/L	0.00966 mg/L
2	Ni 231.604	-8.7	-9.0	-0.00106	mg/L	-0.00106 mg/L
2	Pb 220.353	-31.3	-32.4	0.00538	mg/L	0.00538 mg/L
2	Sn 189.933	11126.2	11518.1	9.2162	mg/L	9.2162 mg/L
2	Se 196.026	26.6	27.6	0.00931	mg/L	0.00931 mg/L
2	Sb 206.833	7846.8	8123.2	9.6399	mg/L	9.6399 mg/L
2	V 292.402	-1027.2	-1063.4	-0.01501	mg/L	-0.01501 mg/L
2	Tl 190.800	-19.0	-19.7	0.00342	mg/L	0.00342 mg/L
2	Zn 213.856	795.3	823.3	0.00749	mg/L	0.00749 mg/L
2	Na 330.237	352.9	365.3	-0.30661	mg/L	-0.30661 mg/L
2	Sr 407.771	5532.7	5727.6			
2	K 404.721	3889.6	4026.6	0.00000	mg/L	0.00000 mg/L

Mean Data ----------

ID: LCS:14751 Seq. No.: 26 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:13:20 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	356348.2	0.964	0.0034	mg/L				0.35%
Ag 328.068	79.7	-0.00013	0.000030	mg/L	-0.00013	0.000030	mg/L	23.03%
Al 308.215	1420.4	0.35779	0.008375	mg/L	0.35779	0.008375	mg/L	2.34%
As 193.696	10.3	0.00422	0.000684	mg/L	0.00422	0.000684	mg/L	16.20%
B 249.773	2128.8	0.07803	0.000145	mg/L	0.07803	0.000145	mg/L	0.19%
Ba 233.527	25.5	0.00107	0.000017	mg/L	0.00107	0.000017	mg/L	1.55%
Be 313.042	182.9	-0.00036	0.000015	mg/L	-0.00036	0.000015	mg/L	4.04%
Ca 315.887	358.7	0.02614	0.000080	mg/L	0.02614	0.000080	mg/L	0.31%
Cd 214.438	43.5	0.00035	0.000007	mg/L	0.00035	0.000007	mg/L	2.04%
Co 238.892	-998.3	0.00742	0.000223	mg/L	0.00742	0.000223	mg/L	3.01%
Cr 267.716	-603.3	0.01086	0.000304	mg/L	0.01086	0.000304	mg/L	2.79%
Cu 324.754	2412.6	-0.00142	0.000041	mg/L	-0.00142	0.000041	mg/L	2.90%
Fe 234.349	558.4	0.00685	0.000922	mg/L	0.00685	0.000922	mg/L	13.44%
K 766.491	-6783.8	0.00470	0.000347	mg/L	0.00470	0.000347	mg/L	7.37%
Mo 202.030	50119.6	9.6794	0.00823	mg/L	9.6794	0.00823	mg/L	0.09%
Mn 257.610	104.8	0.00024	0.000009	mg/L	0.00024	0.000009	mg/L	3.76%
Mg 279.079	17.5	0.00638	0.004630	mg/L	0.00638	0.004630	mg/L	72.53%
Ni 231.604	-8.9	-0.00103	0.000035	mg/L	-0.00103	0.000035	mg/L	3.39%
Pb 220.353	-36.8	0.00357	0.002569	mg/L	0.00357	0.002569	mg/L	72.04%
Sn 189.933	11525.6	9.2222	0.00850	mg/L	9.2222	0.00850	mg/L	0.09%
Se 196.026	23.0	0.00451	0.006782	mg/L	0.00451	0.006782	mg/L	150.23%
Sb 206.833	8113.9	9.6288	0.01564	mg/L	9.6288	0.01564	mg/L	0.16%
V 292.402	-1077.2	-0.01523	0.000313	mg/L	-0.01523	0.000313	mg/L	2.05%
Tl 190.800	-18.7	0.00436	0.001337	mg/L	0.00436	0.001337	mg/L	30.66%
Zn 213.856	829.0	0.00761	0.000178	mg/L	0.00761	0.000178	mg/L	2.34%
Na 330.237	372.2	-0.28107	0.036116	mg/L	-0.28107	0.036116	mg/L	12.85%
Sr 407.771	5781.4							1.31%
K 404.721	4006.0	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 10809-5 Date: 11/18/96 8:15:42 AM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Y 324.228	234005.6	234005.6	0.633	mg/L		
1	Ag 328.068	-692.3	-1094.1	-0.02732	mg/L	-0.02732	mg/L
1	Al 308.215	13417.3	21204.0	5.9901	mg/L	5.9901	mg/L
1	As 193.696	-3.9	-6.1	0.31738	mg/L	0.31738	mg/L
1	B 249.773	14884.6	23522.8	0.93621	mg/L	0.93621	mg/L
1	Ba 233.527	3237.6	5116.6	0.15879	mg/L	0.15879	mg/L
1	Be 313.042	1082.7	1711.1	0.00114	mg/L	0.00114	mg/L
1	Ca 315.887	21623330.9	34172340.4	2362.9	mg/L	2362.9	mg/L
1	Cd 214.438	201.4	318.3	0.00592	mg/L	0.00592	mg/L
1	Co 238.892	1122.4	1773.7	0.07681	mg/L	0.07681	mg/L
1	Cr 267.716	2531.7	4000.9	0.05587	mg/L	0.05587	mg/L
1	Cu 324.754	3425.1	5412.8	0.02954	mg/L	0.02954	mg/L
1	Fe 234.349	535483.6	846249.2	71.704	mg/L	71.704	mg/L
1	K 766.491	7672209.8	12124744.6	41.332	mg/L	41.332	mg/L
1	Mo 202.030	75.3	119.1	0.02374	mg/L	0.02374	mg/L
1	Mn 257.610	186953.2	295450.8	1.5746	mg/L	1.5746	mg/L
1	Mg 279.079	1260664.4	1992285.8	943.29	mg/L	943.29	mg/L
1	Ni 231.604	136.8	216.2	0.03148	mg/L	0.03148	mg/L
1	Pb 220.353	29.0	45.9	0.00585	mg/L	0.00585	mg/L
1	Sn 189.933	85.8	135.5	0.65766	mg/L	0.65766	mg/L
1	Se 196.026	21.1	33.3	0.02781	mg/L	0.02781	mg/L
1	Sb 206.833	34.5	54.6	0.46795	mg/L	0.46795	mg/L
1	V 292.402	1016.3	1606.0	0.02768	mg/L	0.02768	mg/L
1	Tl 190.800	16.1	25.4	0.05444	mg/L	0.05444	mg/L
1	Zn 213.856	3902.5	6167.3	0.12487	mg/L	0.12487	mg/L
1	Na 330.237	674898.8	1066573.5	3949.4	mg/L	3949.4	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-70.9	-112.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	233140.6	233140.6	0.630	mg/L		
2	Ag 328.068	-716.1	-1135.9	-0.02829	mg/L	-0.02829	mg/L
2	Al 308.215	13303.2	21101.6	5.9610	mg/L	5.9610	mg/L
2	As 193.696	-6.4	-10.2	0.30506	mg/L	0.30506	mg/L
2	B 249.773	14824.2	23514.2	0.93587	mg/L	0.93587	mg/L
2	Ba 233.527	3242.1	5142.7	0.15960	mg/L	0.15960	mg/L
2	Be 313.042	1078.9	1711.3	0.00114	mg/L	0.00114	mg/L
2	Ca 315.887	21642411.6	34329405.6	2373.8	mg/L	2373.8	mg/L
2	Cd 214.438	206.1	327.0	0.00621	mg/L	0.00621	mg/L
2	Co 238.892	1072.3	1701.0	0.07372	mg/L	0.07372	mg/L
2	Cr 267.716	2530.0	4013.1	0.05605	mg/L	0.05605	mg/L
2	Cu 324.754	3428.1	5437.7	0.02974	mg/L	0.02974	mg/L
2	Fe 234.349	532092.6	844010.5	71.514	mg/L	71.514	mg/L
2	K 766.491	7218212.3	11449599.1	39.032	mg/L	39.032	mg/L
2	Mo 202.030	51.6	81.9	0.01655	mg/L	0.01655	mg/L
2	Mn 257.610	186752.1	296228.0	1.5787	mg/L	1.5787	mg/L
2	Mg 279.079	1253569.1	1988423.6	941.46	mg/L	941.46	mg/L
2	Ni 231.604	132.2	209.6	0.03054	mg/L	0.03054	mg/L
2	Pb 220.353	33.2	52.7	0.00863	mg/L	0.00863	mg/L
2	Sn 189.933	83.2	131.9	0.65595	mg/L	0.65595	mg/L
2	Se 196.026	13.4	21.3	0.01522	mg/L	0.01522	mg/L
2	Sb 206.833	32.6	51.7	0.46566	mg/L	0.46566	mg/L
2	V 292.402	976.8	1549.5	0.02677	mg/L	0.02677	mg/L
2	Tl 190.800	11.1	17.6	0.04698	mg/L	0.04698	mg/L
2	Zn 213.856	3900.3	6186.7	0.12529	mg/L	0.12529	mg/L
2	Na 330.237	664923.6	1054708.3	3905.4	mg/L	3905.4	mg/L
2	Sr 407.771	Saturated					
2	K 404.721	29.2	46.3	0.00000	mg/L	0.00000	mg/L

Mean Data ----------

ID: 10809-5 Seq. No.: 27 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:15:42 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 324.228	233573.1	0.632	0.0017	mg/L				0.26%
Ag 328.068	-1115.0	-0.02781	0.000686	mg/L	-0.02781	0.000686	mg/L	2.47%
Al 308.215	21152.8	5.9755	0.02062	mg/L	5.9755	0.02062	mg/L	0.35%
As 193.696	-8.1	0.31122	0.008708	mg/L	0.31122	0.008708	mg/L	2.80%
B 249.773	23518.5	0.93604	0.000244	mg/L	0.93604	0.000244	mg/L	0.03%
Ba 233.527	5129.6	0.15920	0.000573	mg/L	0.15920	0.000573	mg/L	0.36%
Be 313.042	1711.2	0.00114	0.000000	mg/L	0.00114	0.000000	mg/L	0.04%
Ca 315.887	34250873.0	2368.3	7.68	mg/L	2368.3	7.68	mg/L	0.32%
Cd 214.438	322.6	0.00606	0.000205	mg/L	0.00606	0.000205	mg/L	3.37%

Co 238.892	1737.3	0.07526	0.002188	mg/L	0.07526	0.002188 mg/L	2.91%
Cr 267.716	4007.0	0.05596	0.000130	mg/L	0.05596	0.000130 mg/L	0.23%
Cu 324.754	5425.3	0.02964	0.000142	mg/L	0.02964	0.000142 mg/L	0.48%
Fe 234.349	845129.9	71.609	0.1342	mg/L	71.609	0.1342 mg/L	0.19%
K 766.491	11787171.8	40.182	1.6263	mg/L	40.182	1.6263 mg/L	4.05%
Mo 202.030	100.5	0.02014	0.005083	mg/L	0.02014	0.005083 mg/L	25.23%
Mn 257.610	295839.4	1.5766	0.00293	mg/L	1.5766	0.00293 mg/L	0.19%
Mg 279.079	1990354.7	942.37	1.293	mg/L	942.37	1.293 mg/L	0.14%
Ni 231.604	212.9	0.03101	0.000667	mg/L	0.03101	0.000667 mg/L	2.15%
Pb 220.353	49.3	0.00724	0.001968	mg/L	0.00724	0.001968 mg/L	27.18%
Sn 189.933	133.7	0.65681	0.001215	mg/L	0.65681	0.001215 mg/L	0.18%
Se 196.026	27.3	0.02151	0.008898	mg/L	0.02151	0.008898 mg/L	41.36%
Sb 206.833	53.1	0.46680	0.001620	mg/L	0.46680	0.001620 mg/L	0.35%
V 292.402	1577.7	0.02722	0.000640	mg/L	0.02722	0.000640 mg/L	2.35%
Tl 190.800	21.5	0.05071	0.005279	mg/L	0.05071	0.005279 mg/L	10.41%
Zn 213.856	6177.0	0.12508	0.000301	mg/L	0.12508	0.000301 mg/L	0.24%
Na 330.237	1060640.9	3927.4	31.08	mg/L	3927.4	31.08 mg/L	0.79%
Sr 407.771	Saturated						
K 404.721	-32.9	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: CCV2 Date: 11/18/96 8:18:08 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	341023.8	341023.8	0.922	mg/L		
1	Ag 328.068	7044.9	7639.5	0.17500	mg/L	0.17500	mg/L
1	Al 308.215	60733.5	65860.1	18.704	mg/L	18.704	mg/L
1	As 193.696	75.0	81.4	0.18025	mg/L	0.18025	mg/L
1	B 249.773	9746.6	10569.3	0.41660	mg/L	0.41660	mg/L
1	Ba 233.527	12143.5	13168.5	0.40824	mg/L	0.40824	mg/L
1	Be 313.042	196431.7	213012.7	0.21190	mg/L	0.21190	mg/L
1	Ca 315.887	314574.9	341128.4	23.590	mg/L	23.590	mg/L
1	Cd 214.438	6029.0	6537.9	0.21402	mg/L	0.21402	mg/L
1	Co 238.892	9045.3	9808.8	0.41653	mg/L	0.41653	mg/L
1	Cr 267.716	22476.4	24373.7	0.40677	mg/L	0.40677	mg/L
1	Cu 324.754	44301.4	48040.9	0.36583	mg/L	0.36583	mg/L
1	Fe 234.349	232807.4	252458.8	21.363	mg/L	21.363	mg/L
1	K 766.491	5807105.3	6297286.9	21.480	mg/L	21.480	mg/L
1	Mo 202.030	1923.5	2085.9	0.40371	mg/L	0.40371	mg/L
1	Mn 257.610	68962.2	74783.4	0.39831	mg/L	0.39831	mg/L
1	Mg 279.079	40201.9	43595.4	20.643	mg/L	20.643	mg/L
1	Ni 231.604	2546.5	2761.5	0.39925	mg/L	0.39925	mg/L
1	Pb 220.353	947.5	1027.5	0.40756	mg/L	0.40756	mg/L
1	Sn 189.933	488.9	530.2	0.43525	mg/L	0.43525	mg/L
1	Se 196.026	391.2	424.2	0.42135	mg/L	0.42135	mg/L
1	Sb 206.833	339.9	368.6	0.41912	mg/L	0.41912	mg/L
1	V 292.402	23143.6	25097.1	0.40332	mg/L	0.40332	mg/L
1	Tl 190.800	170.2	184.6	0.20216	mg/L	0.20216	mg/L
1	Zn 213.856	18461.0	20019.4	0.42912	mg/L	0.42912	mg/L
1	Na 330.237	6233.4	6759.6	23.381	mg/L	23.381	mg/L
1	Sr 407.771	645286.4	699755.4				
1	K 404.721	1509.4	1636.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	341490.1	341490.1	0.923	mg/L		
2	Ag 328.068	7972.3	8633.5	0.19803	mg/L	0.19803	mg/L
2	Al 308.215	61236.7	66315.1	18.833	mg/L	18.833	mg/L
2	As 193.696	79.2	85.8	0.19176	mg/L	0.19176	mg/L
2	B 249.773	9790.4	10602.3	0.41793	mg/L	0.41793	mg/L
2	Ba 233.527	12200.3	13212.1	0.40959	mg/L	0.40959	mg/L
2	Be 313.042	196779.1	213098.0	0.21198	mg/L	0.21198	mg/L
2	Ca 315.887	310012.1	335721.3	23.217	mg/L	23.217	mg/L
2	Cd 214.438	6052.5	6554.4	0.21457	mg/L	0.21457	mg/L
2	Co 238.892	9019.8	9767.8	0.41482	mg/L	0.41482	mg/L
2	Cr 267.716	22546.9	24416.7	0.40751	mg/L	0.40751	mg/L
2	Cu 324.754	44484.9	48174.0	0.36688	mg/L	0.36688	mg/L
2	Fe 234.349	233354.9	252707.1	21.384	mg/L	21.384	mg/L
2	K 766.491	5853460.2	6338887.1	21.622	mg/L	21.622	mg/L
2	Mo 202.030	1937.4	2098.0	0.40605	mg/L	0.40605	mg/L
2	Mn 257.610	69177.9	74914.9	0.39902	mg/L	0.39902	mg/L
2	Mg 279.079	40018.4	43337.1	20.521	mg/L	20.521	mg/L
2	Ni 231.604	2550.8	2762.4	0.39938	mg/L	0.39938	mg/L
2	Pb 220.353	960.6	1040.3	0.41280	mg/L	0.41280	mg/L
2	Sn 189.933	489.0	529.6	0.43473	mg/L	0.43473	mg/L
2	Se 196.026	368.4	399.0	0.39490	mg/L	0.39490	mg/L

2	Sb 206.833	335.5	363.3	0.41279	mg/L	0.41279 mg/L
2	V 292.402	23246.6	25174.4	0.40456	mg/L	0.40456 mg/L
2	Tl 190.800	172.0	186.3	0.20380	mg/L	0.20380 mg/L
2	Zn 213.856	18547.8	20086.0	0.43058	mg/L	0.43058 mg/L
2	Na 330.237	5989.3	6486.0	22.367	mg/L	22.367 mg/L
2	Sr 407.771	510290.9	552609.3			
2	K 404.721	1565.1	1694.8	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: CCV2 Seq. No.: 28 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:18:08 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	341257.0	0.923	0.0009	mg/L				0.10%
Ag 328.068	8136.5	0.18651	0.016282	mg/L	0.18651	0.016282	mg/L	8.73%
Al 308.215	66087.6	18.769	0.0916	mg/L	18.769	0.0916	mg/L	0.49%
As 193.696	83.6	0.18600	0.008139	mg/L	0.18600	0.008139	mg/L	4.38%
B 249.773	10585.8	0.41727	0.000937	mg/L	0.41727	0.000937	mg/L	0.22%
Ba 233.527	13190.3	0.40892	0.000955	mg/L	0.40892	0.000955	mg/L	0.23%
Be 313.042	213055.3	0.21194	0.000060	mg/L	0.21194	0.000060	mg/L	0.03%
Ca 315.887	338424.9	23.403	0.2644	mg/L	23.403	0.2644	mg/L	1.13%
Cd 214.438	6546.1	0.21429	0.000390	mg/L	0.21429	0.000390	mg/L	0.18%
Co 238.892	9788.3	0.41567	0.001212	mg/L	0.41567	0.001212	mg/L	0.29%
Cr 267.716	24395.2	0.40714	0.000528	mg/L	0.40714	0.000528	mg/L	0.13%
Cu 324.754	48107.4	0.36635	0.000742	mg/L	0.36635	0.000742	mg/L	0.20%
Fe 234.349	252582.9	21.373	0.0149	mg/L	21.373	0.0149	mg/L	0.07%
K 766.491	6318087.0	21.551	0.1002	mg/L	21.551	0.1002	mg/L	0.46%
Mo 202.030	2092.0	0.40488	0.001654	mg/L	0.40488	0.001654	mg/L	0.41%
Mn 257.610	74849.1	0.39866	0.000496	mg/L	0.39866	0.000496	mg/L	0.12%
Mg 279.079	43466.3	20.582	0.0865	mg/L	20.582	0.0865	mg/L	0.42%
Ni 231.604	2761.9	0.39931	0.000093	mg/L	0.39931	0.000093	mg/L	0.02%
Pb 220.353	1033.9	0.41018	0.003700	mg/L	0.41018	0.003700	mg/L	0.90%
Sn 189.933	529.9	0.43499	0.000367	mg/L	0.43499	0.000367	mg/L	0.08%
Se 196.026	411.6	0.40813	0.018701	mg/L	0.40813	0.018701	mg/L	4.58%
Sb 206.833	366.0	0.41596	0.004479	mg/L	0.41596	0.004479	mg/L	1.08%
V 292.402	25135.8	0.40394	0.000874	mg/L	0.40394	0.000874	mg/L	0.22%
Tl 190.800	185.4	0.20298	0.001156	mg/L	0.20298	0.001156	mg/L	0.57%
Zn 213.856	20052.7	0.42985	0.001035	mg/L	0.42985	0.001035	mg/L	0.24%
Na 330.237	6622.8	22.874	0.7167	mg/L	22.874	0.7167	mg/L	3.13%
Sr 407.771	626182.4							16.62%
K 404.721	1665.8	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: CCB2 Date: 11/18/96 8:20:35 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	345976.8	345976.8	0.936	mg/L		
1	Ag 328.068	520.1	555.9	0.01090	mg/L	0.01090	mg/L
1	Al 308.215	217.8	232.8	0.01967	mg/L	0.01967	mg/L
1	As 193.696	10.0	10.7	0.00991	mg/L	0.00991	mg/L
1	B 249.773	335.9	359.0	0.00704	mg/L	0.00704	mg/L
1	Ba 233.527	6.3	6.7	0.00049	mg/L	0.00049	mg/L
1	Be 313.042	615.5	657.8	0.00011	mg/L	0.00011	mg/L
1	Ca 315.887	6027.6	6442.8	0.44688	mg/L	0.44688	mg/L
1	Cd 214.438	144.0	153.9	0.00051	mg/L	0.00051	mg/L
1	Co 238.892	-49.2	-52.6	-0.00007	mg/L	-0.00007	mg/L
1	Cr 267.716	784.9	838.9	0.00155	mg/L	0.00155	mg/L
1	Cu 324.754	1585.4	1694.6	0.00020	mg/L	0.00020	mg/L
1	Fe 234.349	767.3	820.1	0.02905	mg/L	0.02905	mg/L
1	K 766.491	2629.8	2811.0	0.03739	mg/L	0.03739	mg/L
1	Mo 202.030	29.6	31.6	0.00684	mg/L	0.00684	mg/L
1	Mn 257.610	147.2	157.4	0.00052	mg/L	0.00052	mg/L
1	Mg 279.079	273.1	291.9	0.13631	mg/L	0.13631	mg/L
1	Ni 231.604	5.8	6.3	0.00115	mg/L	0.00115	mg/L
1	Pb 220.353	28.3	30.3	0.00086	mg/L	0.00086	mg/L
1	Sn 189.933	12.8	13.7	0.00584	mg/L	0.00584	mg/L
1	Se 196.026	23.1	24.7	0.01088	mg/L	0.01088	mg/L
1	Sb 206.833	26.9	28.7	0.00463	mg/L	0.00463	mg/L
1	V 292.402	-120.1	-128.4	-0.00006	mg/L	-0.00006	mg/L
1	Tl 190.800	-20.7	-22.1	0.00233	mg/L	0.00233	mg/L
1	Zn 213.856	495.2	529.3	0.00103	mg/L	0.00103	mg/L
1	Na 330.237	596.7	637.8	0.70286	mg/L	0.70286	mg/L

1	Sr 407.771	138460.3	147998.3			
1	K 404.721	3553.7	3798.5	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	345111.0	345111.0	0.933	mg/L	
2	Ag 328.068	465.0	498.3	0.00957	mg/L	0.00957 mg/L
2	Al 308.215	181.1	194.1	0.00865	mg/L	0.00865 mg/L
2	As 193.696	8.8	9.4	0.00655	mg/L	0.00655 mg/L
2	B 249.773	321.2	344.2	0.00644	mg/L	0.00644 mg/L
2	Ba 233.527	2.2	2.4	0.00036	mg/L	0.00036 mg/L
2	Be 313.042	554.2	593.9	0.00004	mg/L	0.00004 mg/L
2	Ca 315.887	5175.0	5545.3	0.38483	mg/L	0.38483 mg/L
2	Cd 214.438	141.1	151.2	0.00042	mg/L	0.00042 mg/L
2	Co 238.892	-47.8	-51.2	-0.00001	mg/L	-0.00001 mg/L
2	Cr 267.716	786.3	842.6	0.00161	mg/L	0.00161 mg/L
2	Cu 324.754	1600.0	1714.5	0.00036	mg/L	0.00036 mg/L
2	Fe 234.349	714.0	765.1	0.02438	mg/L	0.02438 mg/L
2	K 766.491	2629.0	2817.1	0.03741	mg/L	0.03741 mg/L
2	Mo 202.030	27.0	28.9	0.00632	mg/L	0.00632 mg/L
2	Mn 257.610	128.7	137.9	0.00042	mg/L	0.00042 mg/L
2	Mg 279.079	235.4	252.2	0.11751	mg/L	0.11751 mg/L
2	Ni 231.604	-1.6	-1.8	-0.00001	mg/L	-0.00001 mg/L
2	Pb 220.353	31.0	33.3	0.00208	mg/L	0.00208 mg/L
2	Sn 189.933	12.9	13.8	0.00593	mg/L	0.00593 mg/L
2	Se 196.026	23.7	25.4	0.01158	mg/L	0.01158 mg/L
2	Sb 206.833	24.6	26.3	0.00175	mg/L	0.00175 mg/L
2	V 292.402	-124.2	-133.1	-0.00013	mg/L	-0.00013 mg/L
2	Tl 190.800	-19.2	-20.5	0.00385	mg/L	0.00385 mg/L
2	Zn 213.856	490.6	525.7	0.00095	mg/L	0.00095 mg/L
2	Na 330.237	594.2	636.7	0.69884	mg/L	0.69884 mg/L
2	Sr 407.771	119078.2	127600.4			
2	K 404.721	3437.3	3683.3	0.00000	mg/L	0.00000 mg/L

Mean Data ----------

ID: CCB2 Seq. No.: 29 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:20:35 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	345543.9	0.934	0.0017	mg/L				0.18%
Ag 328.068	527.1	0.01023	0.000944	mg/L	0.01023	0.000944	mg/L	9.22%
Al 308.215	213.4	0.01416	0.007796	mg/L	0.01416	0.007796	mg/L	55.06%
As 193.696	10.0	0.00823	0.002381	mg/L	0.00823	0.002381	mg/L	28.93%
B 249.773	351.6	0.00674	0.000420	mg/L	0.00674	0.000420	mg/L	6.23%
Ba 233.527	4.5	0.00042	0.000095	mg/L	0.00042	0.000095	mg/L	22.56%
Be 313.042	625.9	0.00007	0.000045	mg/L	0.00007	0.000045	mg/L	61.75%
Ca 315.887	5994.1	0.41586	0.043881	mg/L	0.41586	0.043881	mg/L	10.55%
Cd 214.438	152.6	0.00047	0.000063	mg/L	0.00047	0.000063	mg/L	13.58%
Co 238.892	-51.9	-0.00004	0.000040	mg/L	-0.00004	0.000040	mg/L	99.48%
Cr 267.716	840.8	0.00158	0.000043	mg/L	0.00158	0.000043	mg/L	2.73%
Cu 324.754	1704.5	0.00028	0.000111	mg/L	0.00028	0.000111	mg/L	39.97%
Fe 234.349	792.6	0.02671	0.003302	mg/L	0.02671	0.003302	mg/L	12.36%
K 766.491	2814.0	0.03740	0.000015	mg/L	0.03740	0.000015	mg/L	0.04%
Mo 202.030	30.3	0.00658	0.000369	mg/L	0.00658	0.000369	mg/L	5.61%
Mn 257.610	147.6	0.00047	0.000073	mg/L	0.00047	0.000073	mg/L	15.52%
Mg 279.079	272.1	0.12691	0.013300	mg/L	0.12691	0.013300	mg/L	10.48%
Ni 231.604	2.2	0.00057	0.000818	mg/L	0.00057	0.000818	mg/L	142.89%
Pb 220.353	31.8	0.00147	0.000859	mg/L	0.00147	0.000859	mg/L	58.37%
Sn 189.933	13.8	0.00589	0.000067	mg/L	0.00589	0.000067	mg/L	1.13%
Se 196.026	25.0	0.01123	0.000500	mg/L	0.01123	0.000500	mg/L	4.45%
Sb 206.833	27.5	0.00319	0.002035	mg/L	0.00319	0.002035	mg/L	63.75%
V 292.402	-130.8	-0.00010	0.000053	mg/L	-0.00010	0.000053	mg/L	55.42%
Tl 190.800	-21.3	0.00309	0.001075	mg/L	0.00309	0.001075	mg/L	34.79%
Zn 213.856	527.5	0.00099	0.000056	mg/L	0.00099	0.000056	mg/L	5.67%
Na 330.237	637.3	0.70085	0.002843	mg/L	0.70085	0.002843	mg/L	0.41%
Sr 407.771	137799.4							10.47%
K 404.721	3740.9	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 10809-5D Date: 11/18/96 8:23:06 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	228683.0	228683.0	0.618	mg/L		
1	Ag 328.068	-712.7	-1152.5	-0.02867	mg/L	-0.02867	mg/L

1	Al 308.215	12630.8	20425.6	5.7685	mg/L	5.7685 mg/L
1	As 193.696	-4.6	-7.5	0.31974	mg/L	0.31974 mg/L
1	B 249.773	14046.9	22715.6	0.90383	mg/L	0.90383 mg/L
1	Ba 233.527	3225.0	5215.2	0.16185	mg/L	0.16185 mg/L
1	Be 313.042	1060.0	1714.1	0.00115	mg/L	0.00115 mg/L
1	Ca 315.887	21531718.3	34819566.6	2407.7	mg/L	2407.7 mg/L
1	Cd 214.438	202.9	328.1	0.00624	mg/L	0.00624 mg/L
1	Co 238.892	1072.3	1734.1	0.07506	mg/L	0.07506 mg/L
1	Cr 267.716	2054.2	3321.9	0.04416	mg/L	0.04416 mg/L
1	Cu 324.754	3062.0	4951.6	0.02591	mg/L	0.02591 mg/L
1	Fe 234.349	528379.1	854457.1	72.400	mg/L	72.400 mg/L
1	K 766.491	7586606.7	12268521.9	41.822	mg/L	41.822 mg/L
1	Mo 202.030	20.2	32.7	0.00706	mg/L	0.00706 mg/L
1	Mn 257.610	184595.5	298514.8	1.5909	mg/L	1.5909 mg/L
1	Mg 279.079	1252662.4	2025716.7	959.11	mg/L	959.11 mg/L
1	Ni 231.604	99.5	160.9	0.02349	mg/L	0.02349 mg/L
1	Pb 220.353	22.9	37.0	0.00220	mg/L	0.00220 mg/L
1	Sn 189.933	52.1	84.3	0.62653	mg/L	0.62653 mg/L
1	Se 196.026	26.5	42.9	0.03823	mg/L	0.03823 mg/L
1	Sb 206.833	20.0	32.4	0.44948	mg/L	0.44948 mg/L
1	V 292.402	980.8	1586.0	0.02736	mg/L	0.02736 mg/L
1	Tl 190.800	8.1	13.1	0.04267	mg/L	0.04267 mg/L
1	Zn 213.856	3514.8	5683.9	0.11425	mg/L	0.11425 mg/L
1	Na 330.237	659804.3	1066988.7	3950.9	mg/L	3950.9 mg/L
1	Sr 407.771	Saturated				
1	K 404.721	-70.9	-114.7	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	243980.8	243980.8	0.660	mg/L	
2	Ag 328.068	-708.1	-1073.3	-0.02684	mg/L	-0.02684 mg/L
2	Al 308.215	14041.2	21282.7	6.0125	mg/L	6.0125 mg/L
2	As 193.696	-9.4	-14.3	0.28826	mg/L	0.28826 mg/L
2	B 249.773	15229.8	23084.3	0.91862	mg/L	0.91862 mg/L
2	Ba 233.527	3320.5	5033.0	0.15620	mg/L	0.15620 mg/L
2	Be 313.042	1136.0	1721.8	0.00115	mg/L	0.00115 mg/L
2	Ca 315.887	21451627.1	32514950.6	2248.3	mg/L	2248.3 mg/L
2	Cd 214.438	212.1	321.5	0.00601	mg/L	0.00601 mg/L
2	Co 238.892	1122.4	1701.2	0.07367	mg/L	0.07367 mg/L
2	Cr 267.716	2072.3	3141.0	0.04105	mg/L	0.04105 mg/L
2	Cu 324.754	3230.9	4897.2	0.02549	mg/L	0.02549 mg/L
2	Fe 234.349	540163.9	818744.5	69.372	mg/L	69.372 mg/L
2	K 766.491	7838360.9	11880866.5	40.501	mg/L	40.501 mg/L
2	Mo 202.030	16.4	24.8	0.00553	mg/L	0.00553 mg/L
2	Mn 257.610	192490.7	291764.5	1.5549	mg/L	1.5549 mg/L
2	Mg 279.079	1278050.1	1937183.4	917.20	mg/L	917.20 mg/L
2	Ni 231.604	104.0	157.6	0.02302	mg/L	0.02302 mg/L
2	Pb 220.353	26.9	40.8	0.00369	mg/L	0.00369 mg/L
2	Sn 189.933	51.9	78.6	0.58962	mg/L	0.58962 mg/L
2	Se 196.026	17.7	26.9	0.02095	mg/L	0.02095 mg/L
2	Sb 206.833	22.5	34.1	0.42526	mg/L	0.42526 mg/L
2	V 292.402	1027.4	1557.3	0.02690	mg/L	0.02690 mg/L
2	Tl 190.800	13.9	21.0	0.05013	mg/L	0.05013 mg/L
2	Zn 213.856	3612.1	5475.0	0.10966	mg/L	0.10966 mg/L
2	Na 330.237	720348.7	1091856.7	4043.1	mg/L	4043.1 mg/L
2	Sr 407.771	Saturated				
2	K 404.721	229.4	347.8	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: 10809-5D Seq. No.: 30 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:23:06 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	236331.9	0.639	0.0293	mg/L				4.58%
Ag 328.068	-1112.9	-0.02776	0.001297	mg/L	-0.02776	0.001297	mg/L	4.67%
Al 308.215	20854.1	5.8905	0.17254	mg/L	5.8905	0.17254	mg/L	2.93%
As 193.696	-10.9	0.30400	0.022262	mg/L	0.30400	0.022262	mg/L	7.32%
B 249.773	22900.0	0.91123	0.010459	mg/L	0.91123	0.010459	mg/L	1.15%
Ba 233.527	5124.1	0.15903	0.003993	mg/L	0.15903	0.003993	mg/L	2.51%
Be 313.042	1718.0	0.00115	0.000006	mg/L	0.00115	0.000006	mg/L	0.49%
Ca 315.887	33667258.6	2328.0	112.68	mg/L	2328.0	112.68	mg/L	4.84%
Cd 214.438	324.8	0.00613	0.000162	mg/L	0.00613	0.000162	mg/L	2.64%
Co 238.892	1717.6	0.07437	0.000984	mg/L	0.07437	0.000984	mg/L	1.32%
Cr 267.716	3231.4	0.04260	0.002198	mg/L	0.04260	0.002198	mg/L	5.16%
Cu 324.754	4924.4	0.02570	0.000303	mg/L	0.02570	0.000303	mg/L	1.18%
Fe 234.349	836600.8	70.886	2.1409	mg/L	70.886	2.1409	mg/L	3.02%

K 766.491	12074694.2	41.162	0.9338	mg/L	41.162	0.9338 mg/L	2.27%
Mo 202.030	28.8	0.00630	0.001076	mg/L	0.00630	0.001076 mg/L	17.09%
Mn 257.610	295139.7	1.5729	0.02544	mg/L	1.5729	0.02544 mg/L	1.62%
Mg 279.079	1981450.0	938.16	29.640	mg/L	938.16	29.640 mg/L	3.16%
Ni 231.604	159.2	0.02326	0.000334	mg/L	0.02326	0.000334 mg/L	1.43%
Pb 220.353	38.9	0.00294	0.001050	mg/L	0.00294	0.001050 mg/L	35.70%
Sn 189.933	81.4	0.60807	0.026103	mg/L	0.60807	0.026103 mg/L	4.29%
Se 196.026	34.9	0.02959	0.012223	mg/L	0.02959	0.012223 mg/L	41.31%
Sb 206.833	33.3	0.43737	0.017129	mg/L	0.43737	0.017129 mg/L	3.92%
V 292.402	1571.7	0.02713	0.000325	mg/L	0.02713	0.000325 mg/L	1.20%
Tl 190.800	17.1	0.04640	0.005273	mg/L	0.04640	0.005273 mg/L	11.36%
Zn 213.856	5579.4	0.11195	0.003245	mg/L	0.11195	0.003245 mg/L	2.90%
Na 330.237	1079422.7	3997.0	65.14	mg/L	3997.0	65.14 mg/L	1.63%
Sr 407.771	Saturated						
K 404.721	116.5	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: 10809-5MS Date: 11/18/96 8:25:41 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	243954.9	243954.9	0.660	mg/L		
1	Ag 328.068	-738.6	-1119.6	-0.02791	mg/L	-0.02791	mg/L
1	Al 308.215	22422.5	33990.1	9.6302	mg/L	9.6302	mg/L
1	As 193.696	0.1	0.1	0.31276	mg/L	0.31276	mg/L
1	B 249.773	15742.5	23863.9	0.94989	mg/L	0.94989	mg/L
1	Ba 233.527	3503.2	5310.4	0.16480	mg/L	0.16480	mg/L
1	Be 313.042	924.7	1401.7	0.00084	mg/L	0.00084	mg/L
1	Ca 315.887	21671943.3	32852370.2	2271.6	mg/L	2271.6	mg/L
1	Cd 214.438	145.4	220.4	0.00607	mg/L	0.00607	mg/L
1	Co 238.892	528.0	800.4	0.08261	mg/L	0.08261	mg/L
1	Cr 267.716	1458.6	2211.1	0.05883	mg/L	0.05883	mg/L
1	Cu 324.754	4278.0	6485.0	0.03080	mg/L	0.03080	mg/L
1	Fe 234.349	538648.7	816534.3	69.184	mg/L	69.184	mg/L
1	K 766.491	8414151.8	12754962.7	43.479	mg/L	43.479	mg/L
1	Mo 202.030	32750.1	49645.7	9.5879	mg/L	9.5879	mg/L
1	Mn 257.610	192458.4	291746.5	1.5548	mg/L	1.5548	mg/L
1	Mg 279.079	1268511.1	1922928.5	910.45	mg/L	910.45	mg/L
1	Ni 231.604	117.2	177.7	0.02592	mg/L	0.02592	mg/L
1	Pb 220.353	-21.1	-32.0	0.00307	mg/L	0.00307	mg/L
1	Sn 189.933	7641.5	11583.8	9.8032	mg/L	9.8032	mg/L
1	Se 196.026	14.9	22.6	0.01141	mg/L	0.01141	mg/L
1	Sb 206.833	6300.5	9550.9	11.748	mg/L	11.748	mg/L
1	V 292.402	628.4	952.5	0.01723	mg/L	0.01723	mg/L
1	Tl 190.800	18.8	28.4	0.05603	mg/L	0.05603	mg/L
1	Zn 213.856	3659.9	5548.0	0.11126	mg/L	0.11126	mg/L
1	Na 330.237	688398.2	1043538.8	3864.1	mg/L	3864.1	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-117.3	-177.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	239197.4	239197.4	0.647	mg/L		
2	Ag 328.068	-740.6	-1145.0	-0.02850	mg/L	-0.02850	mg/L
2	Al 308.215	21850.2	33781.4	9.5708	mg/L	9.5708	mg/L
2	As 193.696	-1.3	-2.1	0.31864	mg/L	0.31864	mg/L
2	B 249.773	15418.3	23837.4	0.94883	mg/L	0.94883	mg/L
2	Ba 233.527	3477.0	5375.6	0.16682	mg/L	0.16682	mg/L
2	Be 313.042	881.8	1363.4	0.00080	mg/L	0.00080	mg/L
2	Ca 315.887	21477818.7	33205666.9	2296.1	mg/L	2296.1	mg/L
2	Cd 214.438	148.6	229.7	0.00641	mg/L	0.00641	mg/L
2	Co 238.892	491.7	760.3	0.08138	mg/L	0.08138	mg/L
2	Cr 267.716	1470.8	2273.9	0.06024	mg/L	0.06024	mg/L
2	Cu 324.754	4176.8	6457.5	0.03052	mg/L	0.03052	mg/L
2	Fe 234.349	543327.3	840008.2	71.175	mg/L	71.175	mg/L
2	K 766.491	8952683.3	13841248.2	47.180	mg/L	47.180	mg/L
2	Mo 202.030	32430.3	50138.7	9.6831	mg/L	9.6831	mg/L
2	Mn 257.610	189660.8	293224.1	1.5627	mg/L	1.5627	mg/L
2	Mg 279.079	1277990.5	1975830.4	935.49	mg/L	935.49	mg/L
2	Ni 231.604	109.1	168.7	0.02463	mg/L	0.02463	mg/L
2	Pb 220.353	-17.4	-26.9	0.00550	mg/L	0.00550	mg/L
2	Sn 189.933	7578.0	11715.9	9.9181	mg/L	9.9181	mg/L
2	Se 196.026	-7.8	-12.1	-0.02486	mg/L	-0.02486	mg/L
2	Sb 206.833	6153.2	9513.2	11.710	mg/L	11.710	mg/L
2	V 292.402	631.8	976.8	0.01762	mg/L	0.01762	mg/L
2	Tl 190.800	19.1	29.5	0.05705	mg/L	0.05705	mg/L
2	Zn 213.856	3611.6	5583.7	0.11205	mg/L	0.11205	mg/L

2	Na 330.237	721176.4	1114970.9	4128.7	mg/L	4128.7 mg/L
2	Sr 407.771	Saturated				
2	K 404.721	-163.6	-253.0	0.00000	mg/L	0.00000 mg/L

M[redacted] Data

ID: 10809-5MS Seq. No.: 31 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:25:41 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	241576.2	0.653	0.0091	mg/L				1.39%
Ag 328.068	-1132.3	-0.02821	0.000415	mg/L	-0.02821	0.000415	mg/L	1.47%
Al 308.215	33885.8	9.6005	0.04201	mg/L	9.6005	0.04201	mg/L	0.44%
As 193.696	-1.0	0.31570	0.004156	mg/L	0.31570	0.004156	mg/L	1.32%
B 249.773	23850.7	0.94936	0.000751	mg/L	0.94936	0.000751	mg/L	0.08%
Ba 233.527	5343.0	0.16581	0.001427	mg/L	0.16581	0.001427	mg/L	0.86%
Be 313.042	1382.5	0.00082	0.000027	mg/L	0.00082	0.000027	mg/L	3.32%
Ca 315.887	33029018.5	2283.9	17.27	mg/L	2283.9	17.27	mg/L	0.76%
Cd 214.438	225.1	0.00624	0.000245	mg/L	0.00624	0.000245	mg/L	3.93%
Co 238.892	780.4	0.08199	0.000866	mg/L	0.08199	0.000866	mg/L	1.06%
Cr 267.716	2242.5	0.05954	0.000999	mg/L	0.05954	0.000999	mg/L	1.68%
Cu 324.754	6471.3	0.03066	0.000204	mg/L	0.03066	0.000204	mg/L	0.67%
Fe 234.349	828271.3	70.180	1.4072	mg/L	70.180	1.4072	mg/L	2.01%
K 766.491	13298105.5	45.329	2.6167	mg/L	45.329	2.6167	mg/L	5.77%
Mo 202.030	49892.2	9.6355	0.06732	mg/L	9.6355	0.06732	mg/L	0.70%
Mn 257.610	292485.3	1.5588	0.00557	mg/L	1.5588	0.00557	mg/L	0.36%
Mg 279.079	1949379.4	922.97	17.711	mg/L	922.97	17.711	mg/L	1.92%
Ni 231.604	173.2	0.02527	0.000912	mg/L	0.02527	0.000912	mg/L	3.61%
Pb 220.353	-29.5	0.00429	0.001717	mg/L	0.00429	0.001717	mg/L	40.07%
Sn 189.933	11649.8	9.8607	0.08127	mg/L	9.8607	0.08127	mg/L	0.82%
Se 196.026	5.2	-0.00673	0.025647	mg/L	-0.00673	0.025647	mg/L	381.36%
Sb 206.833	9532.0	11.729	0.0268	mg/L	11.729	0.0268	mg/L	0.23%
V 292.402	964.7	0.01742	0.000275	mg/L	0.01742	0.000275	mg/L	1.58%
Tl 190.800	28.9	0.05654	0.000718	mg/L	0.05654	0.000718	mg/L	1.27%
Zn 213.856	5565.9	0.11166	0.000555	mg/L	0.11166	0.000555	mg/L	0.50%
Na 330.237	1079254.8	3996.4	187.11	mg/L	3996.4	187.11	mg/L	4.68%
Sr 407.771	Saturated							
K 404.721	-215.4	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: 10809-5MD Date: 11/18/96 8:28:15 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	241014.1	241014.1	0.652	mg/L		
1	Ag 328.068	-744.5	-1142.3	-0.02844	mg/L	-0.02844	mg/L
1	Al 308.215	22509.9	34539.0	9.7865	mg/L	9.7865	mg/L
1	As 193.696	-1.8	-2.7	0.31311	mg/L	0.31311	mg/L
1	B 249.773	15234.5	23375.7	0.93031	mg/L	0.93031	mg/L
1	Ba 233.527	3492.9	5359.4	0.16632	mg/L	0.16632	mg/L
1	Be 313.042	884.2	1356.6	0.00079	mg/L	0.00079	mg/L
1	Ca 315.887	21677933.7	33262429.3	2300.0	mg/L	2300.0	mg/L
1	Cd 214.438	146.9	225.3	0.00631	mg/L	0.00631	mg/L
1	Co 238.892	455.5	698.8	0.07935	mg/L	0.07935	mg/L
1	Cr 267.716	1583.2	2429.2	0.06330	mg/L	0.06330	mg/L
1	Cu 324.754	3985.3	6114.9	0.02773	mg/L	0.02773	mg/L
1	Fe 234.349	546616.7	838723.9	71.066	mg/L	71.066	mg/L
1	K 766.491	8708063.0	13361574.7	45.546	mg/L	45.546	mg/L
1	Mo 202.030	33054.3	50718.2	9.7950	mg/L	9.7950	mg/L
1	Mn 257.610	190235.0	291894.9	1.5556	mg/L	1.5556	mg/L
1	Mg 279.079	1278900.8	1962334.0	929.10	mg/L	929.10	mg/L
1	Ni 231.604	113.7	174.4	0.02545	mg/L	0.02545	mg/L
1	Pb 220.353	-16.8	-25.9	0.00623	mg/L	0.00623	mg/L
1	Sn 189.933	7598.0	11658.4	9.8713	mg/L	9.8713	mg/L
1	Se 196.026	3.7	5.7	-0.00643	mg/L	-0.00643	mg/L
1	Sb 206.833	6052.0	9286.1	11.441	mg/L	11.441	mg/L
1	V 292.402	623.5	956.7	0.01729	mg/L	0.01729	mg/L
1	Tl 190.800	11.0	16.9	0.04489	mg/L	0.04489	mg/L
1	Zn 213.856	3510.9	5387.1	0.10773	mg/L	0.10773	mg/L
1	Na 330.237	707366.6	1085377.0	4019.1	mg/L	4019.1	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-163.6	-251.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	237124.5	237124.5	0.641	mg/L		

2 Ag 328.068	-742.2	-1157.5	-0.02879 mg/L	-0.02879 mg/L	
2 Al 308.215	21902.4	34158.1	9.6780 mg/L	9.6780 mg/L	
2 As 193.696	-6.4	-10.0	0.29637 mg/L	0.29637 mg/L	
2 B 249.773	14953.4	23320.7	0.92811 mg/L	0.92811 mg/L	
2 Ba 233.527	3460.8	5397.4	0.16749 mg/L	0.16749 mg/L	
2 Be 313.042	888.8	1386.1	0.00082 mg/L	0.00082 mg/L	
2 Ca 315.887	21527948.4	33574122.0	2321.6 mg/L	2321.6 mg/L	
2 Cd 214.438	151.0	235.4	0.00668 mg/L	0.00668 mg/L	
2 Co 238.892	491.7	766.9	0.08263 mg/L	0.08263 mg/L	
2 Cr 267.716	1556.5	2427.5	0.06357 mg/L	0.06357 mg/L	
2 Cu 324.754	3909.9	6097.7	0.02753 mg/L	0.02753 mg/L	
2 Fe 234.349	541434.2	844399.1	71.547 mg/L	71.547 mg/L	
2 K 766.491	8637365.9	13470488.3	45.917 mg/L	45.917 mg/L	
2 Mo 202.030	32805.7	51162.4	9.8808 mg/L	9.8808 mg/L	
2 Mn 257.610	189141.0	294976.7	1.5720 mg/L	1.5720 mg/L	
2 Mg 279.079	1268297.9	1977986.4	936.52 mg/L	936.52 mg/L	
2 Ni 231.604	110.4	172.2	0.02513 mg/L	0.02513 mg/L	
2 Pb 220.353	-21.3	-33.1	0.00352 mg/L	0.00352 mg/L	
2 Sn 189.933	7524.6	11735.1	9.9375 mg/L	9.9375 mg/L	
2 Se 196.026	14.6	22.8	0.01162 mg/L	0.01162 mg/L	
2 Sb 206.833	5927.0	9243.5	11.395 mg/L	11.395 mg/L	
2 V 292.402	593.4	925.5	0.01679 mg/L	0.01679 mg/L	
2 Tl 190.800	21.5	33.5	0.06095 mg/L	0.06095 mg/L	
2 Zn 213.856	3475.9	5420.8	0.10847 mg/L	0.10847 mg/L	
2 Na 330.237	702902.2	1096218.0	4059.2 mg/L	4059.2 mg/L	
2 Sr 407.771	Saturated				
2 K 404.721	-117.3	-182.9	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: 10809-5MD Seq. No.: 32 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:28:15 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	239069.3	0.646	0.0074	mg/L				1.15%
Ag 328.068	-1149.9	-0.02861	0.000249	mg/L	-0.02861	0.000249	mg/L	0.87%
Al 308.215	34348.5	9.7322	0.07668	mg/L	9.7322	0.07668	mg/L	0.79%
As 193.696	-6.4	0.30474	0.011838	mg/L	0.30474	0.011838	mg/L	3.88%
B 249.773	23348.2	0.92921	0.001557	mg/L	0.92921	0.001557	mg/L	0.17%
Ba 233.527	5378.4	0.16690	0.000832	mg/L	0.16690	0.000832	mg/L	0.50%
Be 313.042	1371.4	0.00081	0.000021	mg/L	0.00081	0.000021	mg/L	2.60%
Ca 315.887	33418275.6	2310.8	15.24	mg/L	2310.8	15.24	mg/L	0.66%
Cd 214.438	230.4	0.00649	0.000263	mg/L	0.00649	0.000263	mg/L	4.05%
Co 238.892	732.9	0.08099	0.002320	mg/L	0.08099	0.002320	mg/L	2.86%
Cr 267.716	2428.3	0.06344	0.000193	mg/L	0.06344	0.000193	mg/L	0.30%
Cu 324.754	6106.3	0.02763	0.000142	mg/L	0.02763	0.000142	mg/L	0.51%
Fe 234.349	841561.5	71.306	0.3402	mg/L	71.306	0.3402	mg/L	0.48%
K 766.491	13416031.5	45.731	0.2624	mg/L	45.731	0.2624	mg/L	0.57%
Mo 202.030	50940.3	9.8379	0.06066	mg/L	9.8379	0.06066	mg/L	0.62%
Mn 257.610	293435.8	1.5638	0.01162	mg/L	1.5638	0.01162	mg/L	0.74%
Mg 279.079	1970160.2	932.81	5.240	mg/L	932.81	5.240	mg/L	0.56%
Ni 231.604	173.3	0.02529	0.000228	mg/L	0.02529	0.000228	mg/L	0.90%
Pb 220.353	-29.5	0.00488	0.001913	mg/L	0.00488	0.001913	mg/L	39.24%
Sn 189.933	11696.7	9.9044	0.04681	mg/L	9.9044	0.04681	mg/L	0.47%
Se 196.026	14.2	0.00260	0.012762	mg/L	0.00260	0.012762	mg/L	491.07%
Sb 206.833	9264.8	11.418	0.0328	mg/L	11.418	0.0328	mg/L	0.29%
V 292.402	941.1	0.01704	0.000353	mg/L	0.01704	0.000353	mg/L	2.07%
Tl 190.800	25.2	0.05292	0.011354	mg/L	0.05292	0.011354	mg/L	21.45%
Zn 213.856	5403.9	0.10810	0.000524	mg/L	0.10810	0.000524	mg/L	0.48%
Na 330.237	1090797.5	4039.1	28.40	mg/L	4039.1	28.40	mg/L	0.70%
Sr 407.771	Saturated							
K 404.721	-217.0	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 10809-5L Date: 11/18/96 8:30:51 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	295671.7	295671.7	0.800	mg/L		
1	Ag 328.068	-219.9	-275.0	-0.00835	mg/L	-0.04173	mg/L
1	Al 308.215	3619.4	4526.9	1.2422	mg/L	6.2110	mg/L
1	As 193.696	-19.1	-23.9	-0.00907	mg/L	-0.04535	mg/L
1	B 249.773	4146.9	5186.7	0.20069	mg/L	1.0035	mg/L
1	Ba 233.527	901.5	1127 5	0.03521	mg/L	0.17607	mg/L

1	Be 313.042	722.5	903.7	0.00035 mg/L	0.00174 mg/L	
1	Ca 315.887	7334887.3	9174071.8	634.36 mg/L	3171.8 mg/L	
1	Cd 214.438	138.5	173.3	0.00115 mg/L	0.00573 mg/L	
1	Co 238.892	285.9	357.6	0.01726 mg/L	0.08628 mg/L	
1	Cr 267.716	1271.1	1589.8	0.01449 mg/L	0.07245 mg/L	
1	Cu 324.754	2103.6	2631.1	0.00758 mg/L	0.03790 mg/L	
1	Fe 234.349	152754.7	191057.2	16.157 mg/L	80.786 mg/L	
1	K 766.491	1466489.3	1834203.8	6.2762 mg/L	31.381 mg/L	
1	Mo 202.030	88.3	110.5	0.02206 mg/L	0.11032 mg/L	
1	Mn 257.610	51504.1	64418.4	0.34306 mg/L	1.7153 mg/L	
1	Mg 279.079	355579.9	444739.7	210.57 mg/L	1052.8 mg/L	
1	Ni 231.604	67.4	84.3	0.01244 mg/L	0.06218 mg/L	
1	Pb 220.353	28.2	35.2	0.00264 mg/L	0.01319 mg/L	
1	Sn 189.933	47.8	59.8	0.18184 mg/L	0.90918 mg/L	
1	Se 196.026	12.9	16.2	0.00367 mg/L	0.01836 mg/L	
1	Sb 206.833	29.5	36.9	0.12485 mg/L	0.62425 mg/L	
1	V 292.402	150.6	188.3	0.00501 mg/L	0.02503 mg/L	
1	Tl 190.800	-20.3	-25.4	0.00055 mg/L	0.00277 mg/L	
1	Zn 213.856	1421.2	1777.6	0.02845 mg/L	0.14224 mg/L	
1	Na 330.237	150820.4	188637.8	697.14 mg/L	3485.7 mg/L	
1	Sr 407.771	Saturated				
1	K 404.721	3002.4	3755.2	0.00000 mg/L	0.00000 mg/L	
2	Y 324.228	292348.7	292348.7	0.791 mg/L		
2	Ag 328.068	-213.8	-270.4	-0.00824 mg/L	-0.04120 mg/L	
2	Al 308.215	3545.8	4485.3	1.2303 mg/L	6.1517 mg/L	
2	As 193.696	-16.1	-20.3	0.00057 mg/L	0.00285 mg/L	
2	B 249.773	4093.6	5178.2	0.20035 mg/L	1.0018 mg/L	
2	Ba 233.527	903.2	1142.6	0.03568 mg/L	0.17840 mg/L	
2	Be 313.042	714.8	904.2	0.00035 mg/L	0.00174 mg/L	
2	Ca 315.887	7342453.3	9287920.0	642.23 mg/L	3211.2 mg/L	
2	Cd 214.438	142.5	180.2	0.00138 mg/L	0.00688 mg/L	
2	Co 238.892	249.6	315.8	0.01546 mg/L	0.07730 mg/L	
2	Cr 267.716	1276.3	1614.4	0.01489 mg/L	0.07444 mg/L	
2	Cu 324.754	2072.1	2621.1	0.00751 mg/L	0.03754 mg/L	
2	Fe 234.349	152002.1	192276.8	16.261 mg/L	81.303 mg/L	
2	K 766.491	1419023.7	1795010.2	6.1427 mg/L	30.714 mg/L	
2	Mo 202.030	56.9	72.0	0.01464 mg/L	0.07319 mg/L	
2	Mn 257.610	51065.3	64595.7	0.34401 mg/L	1.7200 mg/L	
2	Mg 279.079	353185.3	446765.8	211.53 mg/L	1057.6 mg/L	
2	Ni 231.604	66.4	84.0	0.01239 mg/L	0.06193 mg/L	
2	Pb 220.353	31.4	39.7	0.00446 mg/L	0.02230 mg/L	
2	Sn 189.933	41.6	52.7	0.17751 mg/L	0.88754 mg/L	
2	Se 196.026	2.9	3.7	-0.00939 mg/L	-0.04697 mg/L	
2	Sb 206.833	27.7	35.1	0.12380 mg/L	0.61902 mg/L	
2	V 292.402	152.0	192.2	0.00507 mg/L	0.02534 mg/L	
2	Tl 190.800	-9.6	-12.1	0.01332 mg/L	0.06658 mg/L	
2	Zn 213.856	1428.9	1807.5	0.02910 mg/L	0.14552 mg/L	
2	Na 330.237	147202.5	186205.4	688.13 mg/L	3440.6 mg/L	
2	Sr 407.771	Saturated				
2	K 404.721	2879.1	3641.9	0.00000 mg/L	0.00000 mg/L	

Mean Data

ID: 10809-5L Seq. No.: 33 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 5.0
Data: Reprocessed Date: 11/18/96 8:30:51 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	294010.2	0.795	0.0064	mg/L				0.80%
Ag 328.068	-272.7	-0.00829	0.000075	mg/L	-0.04147	0.000375	mg/L	0.90%
Al 308.215	4506.1	1.2363	0.00838	mg/L	6.1813	0.04192	mg/L	0.68%
As 193.696	-22.1	-0.00425	0.006817	mg/L	-0.02125	0.034086	mg/L	160.40%
B 249.773	5182.5	0.20052	0.000240	mg/L	1.0026	0.00120	mg/L	0.12%
Ba 233.527	1135.1	0.03545	0.000329	mg/L	0.17723	0.001645	mg/L	0.93%
Be 313.042	903.9	0.00035	0.000000	mg/L	0.00174	0.000002	mg/L	0.10%
Ca 315.887	9230995.9	638.30	5.567	mg/L	3191.5	27.83	mg/L	0.87%
Cd 214.438	176.7	0.00126	0.000162	mg/L	0.00631	0.000812	mg/L	12.88%
Co 238.892	336.7	0.01636	0.001269	mg/L	0.08179	0.006347	mg/L	7.76%
Cr 267.716	1602.1	0.01469	0.000280	mg/L	0.07344	0.001402	mg/L	1.91%
Cu 324.754	2626.1	0.00754	0.000052	mg/L	0.03772	0.000259	mg/L	0.69%
Fe 234.349	191667.0	16.209	0.0731	mg/L	81.044	0.3656	mg/L	0.45%
K 766.491	1814607.0	6.2095	0.09441	mg/L	31.047	0.4721	mg/L	1.52%
Mo 202.030	91.2	0.01835	0.005251	mg/L	0.09176	0.026255	mg/L	28.61%
Mn 257.610	64507.1	0.34354	0.000668	mg/L	1.7177	0.00334	mg/L	0.19%
Mg 279.079	445752.7	211.05	0.678	mg/L	1055.2	3.39	mg/L	0.32%

Ni 231.604	84.2	0.01241	0.000034	mg/L	0.06205	0.000171	mg/L 0.28%
Pb 220.353	37.5	0.00355	0.001288	mg/L	0.01775	0.006442	mg/L 36.30%
Sn 189.933	56.2	0.17967	0.003061	mg/L	0.89836	0.015303	mg/L 1.70%
Se 196.026	9.9	-0.00286	0.009239	mg/L	-0.01430	0.046193	mg/L 322.95%
Sb 206.833	36.0	0.12433	0.000739	mg/L	0.62164	0.003697	mg/L 0.59%
V 292.402	190.3	0.00504	0.000044	mg/L	0.02519	0.000220	mg/L 0.87%
Tl 190.800	-18.7	0.00694	0.009024	mg/L	0.03468	0.045121	mg/L 130.12%
Zn 213.856	1792.5	0.02878	0.000464	mg/L	0.14388	0.002319	mg/L 1.61%
Na 330.237	187421.6	692.63	6.371	mg/L	3463.2	31.86	mg/L 0.92%
Sr 407.771	Saturated						
K 404.721	3698.6	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L 0.00%

Replicate Data

ID: 10809-4 Date: 11/18/96 8:33:33 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	242426.5	242426.5	0.656	mg/L		
1	Ag 328.068	-747.4	-1140.1	-0.02839	mg/L	-0.02839	mg/L
1	Al 308.215	29006.5	44247.9	12.550	mg/L	12.550	mg/L
1	As 193.696	1.4	2.2	0.32193	mg/L	0.32193	mg/L
1	B 249.773	15081.9	23006.7	0.91551	mg/L	0.91551	mg/L
1	Ba 233.527	3741.7	5707.8	0.17711	mg/L	0.17711	mg/L
1	Be 313.042	1292.2	1971.2	0.00139	mg/L	0.00139	mg/L
1	Ca 315.887	21572088.8	32907167.1	2275.4	mg/L	2275.4	mg/L
1	Cd 214.438	225.1	343.4	0.00663	mg/L	0.00663	mg/L
1	Co 238.892	1222.4	1864.7	0.08058	mg/L	0.08058	mg/L
1	Cr 267.716	3427.7	5228.8	0.07690	mg/L	0.07690	mg/L
1	Cu 324.754	10387.3	15845.3	0.11188	mg/L	0.11188	mg/L
1	Fe 234.349	572121.9	872743.9	73.950	mg/L	73.950	mg/L
1	K 766.491	8600768.7	13120052.3	44.723	mg/L	44.723	mg/L
1	Mo 202.030	39.8	60.8	0.01248	mg/L	0.01248	mg/L
1	Mn 257.610	204323.6	311685.7	1.6611	mg/L	1.6611	mg/L
1	Mg 279.079	1271148.3	1939074.6	918.09	mg/L	918.09	mg/L
1	Ni 231.604	213.6	325.9	0.04733	mg/L	0.04733	mg/L
1	Pb 220.353	73.5	112.2	0.03163	mg/L	0.03163	mg/L
1	Sn 189.933	69.6	106.1	0.61791	mg/L	0.61791	mg/L
1	Se 196.026	24.7	37.7	0.03028	mg/L	0.03028	mg/L
1	Sb 206.833	18.7	28.6	0.42360	mg/L	0.42360	mg/L
1	V 292.402	1519.3	2317.7	0.03906	mg/L	0.03906	mg/L
1	Tl 190.800	23.5	35.8	0.06480	mg/L	0.06480	mg/L
1	Zn 213.856	5769.8	8801.5	0.18272	mg/L	0.18272	mg/L
1	Na 330.237	724466.5	1105138.3	4092.3	mg/L	4092.3	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-109.9	-167.6	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	237459.7	237459.7	0.642	mg/L		
2	Ag 328.068	-729.6	-1136.2	-0.02830	mg/L	-0.02830	mg/L
2	Al 308.215	27688.8	43121.4	12.230	mg/L	12.230	mg/L
2	As 193.696	2.2	3.4	0.33290	mg/L	0.33290	mg/L
2	B 249.773	14690.4	22878.2	0.91035	mg/L	0.91035	mg/L
2	Ba 233.527	3714.8	5785.3	0.17951	mg/L	0.17951	mg/L
2	Be 313.042	1284.9	2001.1	0.00142	mg/L	0.00142	mg/L
2	Ca 315.887	21597161.6	33634524.3	2325.7	mg/L	2325.7	mg/L
2	Cd 214.438	216.1	336.5	0.00641	mg/L	0.00641	mg/L
2	Co 238.892	1222.4	1903.7	0.08222	mg/L	0.08222	mg/L
2	Cr 267.716	3366.9	5243.5	0.07715	mg/L	0.07715	mg/L
2	Cu 324.754	9942.0	15483.2	0.10903	mg/L	0.10903	mg/L
2	Fe 234.349	571035.4	889306.8	75.354	mg/L	75.354	mg/L
2	K 766.491	8424319.0	13119685.2	44.722	mg/L	44.722	mg/L
2	Mo 202.030	39.4	61.4	0.01260	mg/L	0.01260	mg/L
2	Mn 257.610	202075.5	314703.9	1.6772	mg/L	1.6772	mg/L
2	Mg 279.079	1270825.4	1979130.7	937.06	mg/L	937.06	mg/L
2	Ni 231.604	222.3	346.2	0.05028	mg/L	0.05028	mg/L
2	Pb 220.353	70.3	109.4	0.03057	mg/L	0.03057	mg/L
2	Sn 189.933	65.7	102.3	0.62632	mg/L	0.62632	mg/L
2	Se 196.026	9.7	15.1	0.00675	mg/L	0.00675	mg/L
2	Sb 206.833	16.4	25.5	0.42895	mg/L	0.42895	mg/L
2	V 292.402	1498.8	2334.2	0.03932	mg/L	0.03932	mg/L
2	Tl 190.800	5.1	8.0	0.03802	mg/L	0.03802	mg/L
2	Zn 213.856	5726.7	8918.6	0.18530	mg/L	0.18530	mg/L
2	Na 330.237	708016.7	1102635.9	4083.0	mg/L	4083.0	mg/L
2	Sr 407.771	Saturated					
2	K 404.721	-20.9	-32.5	0.00000	mg/L	0.00000	mg/L

Mean Data

ID: 10809-4 Seq. No.: 34 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:33:33 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	239943.1	0.649	0.0095	mg/L				1.46%
Ag 328.068	-1138.2	-0.02834	0.000063	mg/L	-0.02834	0.000063	mg/L	0.22%
Al 308.215	43684.7	12.390	0.2268	mg/L	12.390	0.2268	mg/L	1.83%
As 193.696	2.8	0.32742	0.007758	mg/L	0.32742	0.007758	mg/L	2.37%
B 249.773	22942.5	0.91293	0.003644	mg/L	0.91293	0.003644	mg/L	0.40%
Ba 233.527	5746.6	0.17831	0.001697	mg/L	0.17831	0.001697	mg/L	0.95%
Be 313.042	1986.1	0.00141	0.000021	mg/L	0.00141	0.000021	mg/L	1.50%
Ca 315.887	33270845.7	2300.6	35.56	mg/L	2300.6	35.56	mg/L	1.55%
Cd 214.438	339.9	0.00652	0.000158	mg/L	0.00652	0.000158	mg/L	2.42%
Co 238.892	1884.2	0.08140	0.001160	mg/L	0.08140	0.001160	mg/L	1.43%
Cr 267.716	5236.2	0.07702	0.000179	mg/L	0.07702	0.000179	mg/L	0.23%
Cu 324.754	15664.2	0.11046	0.002020	mg/L	0.11046	0.002020	mg/L	1.83%
Fe 234.349	881025.4	74.652	0.9929	mg/L	74.652	0.9929	mg/L	1.33%
K 766.491	13119868.8	44.722	0.0009	mg/L	44.722	0.0009	mg/L	0.00%
Mo 202.030	61.1	0.01254	0.000087	mg/L	0.01254	0.000087	mg/L	0.69%
Mn 257.610	313194.8	1.6692	0.01138	mg/L	1.6692	0.01138	mg/L	0.68%
Mg 279.079	1959102.7	927.58	13.410	mg/L	927.58	13.410	mg/L	1.45%
Ni 231.604	336.1	0.04880	0.002083	mg/L	0.04880	0.002083	mg/L	4.27%
Pb 220.353	110.8	0.03110	0.000749	mg/L	0.03110	0.000749	mg/L	2.41%
Sn 189.933	104.2	0.62212	0.005945	mg/L	0.62212	0.005945	mg/L	0.96%
Se 196.026	26.4	0.01851	0.016636	mg/L	0.01851	0.016636	mg/L	89.86%
Sb 206.833	27.0	0.42628	0.003786	mg/L	0.42628	0.003786	mg/L	0.89%
V 292.402	2325.9	0.03919	0.000187	mg/L	0.03919	0.000187	mg/L	0.48%
Tl 190.800	21.9	0.05141	0.018937	mg/L	0.05141	0.018937	mg/L	36.84%
Zn 213.856	8860.0	0.18401	0.001819	mg/L	0.18401	0.001819	mg/L	0.99%
Na 330.237	1103887.1	4087.6	6.55	mg/L	4087.6	6.55	mg/L	0.16%
Sr 407.771	Saturated							
K 404.721	-100.1	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: 10809-3 Date: 11/18/96 8:36:18 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	206610.8	206610.8	0.559	mg/L		
1	Ag 328.068	-371.7	-665.3	-0.01739	mg/L	-0.01739	mg/L
1	Al 308.215	15544.7	27823.3	7.8744	mg/L	7.8744	mg/L
1	As 193.696	-8.9	-15.9	0.17007	mg/L	0.17007	mg/L
1	B 249.773	11915.4	21327.2	0.84814	mg/L	0.84814	mg/L
1	Ba 233.527	10817.7	19362.4	0.60013	mg/L	0.60013	mg/L
1	Be 313.042	914.4	1636.7	0.00107	mg/L	0.00107	mg/L
1	Ca 315.887	12069937.2	21603814.3	1493.8	mg/L	1493.8	mg/L
1	Cd 214.438	140.1	250.8	0.00362	mg/L	0.00362	mg/L
1	Co 238.892	269.4	482.2	0.02243	mg/L	0.02243	mg/L
1	Cr 267.716	2529.9	4528.3	0.06486	mg/L	0.06486	mg/L
1	Cu 324.754	3178.7	5689.6	0.03173	mg/L	0.03173	mg/L
1	Fe 234.349	130484.0	233551.6	19.760	mg/L	19.760	mg/L
1	K 766.491	Saturated					
1	Mo 202.030	21.2	37.9	0.00805	mg/L	0.00805	mg/L
1	Mn 257.610	101331.1	181371.1	0.96647	mg/L	0.96647	mg/L
1	Mg 279.079	731257.0	1308866.8	619.71	mg/L	619.71	mg/L
1	Ni 231.604	141.8	253.7	0.03691	mg/L	0.03691	mg/L
1	Pb 220.353	21.3	38.1	0.00230	mg/L	0.00230	mg/L
1	Sn 189.933	45.9	82.1	0.41254	mg/L	0.41254	mg/L
1	Se 196.026	1.9	3.5	0.00149	mg/L	0.00149	mg/L
1	Sb 206.833	22.8	40.8	0.29413	mg/L	0.29413	mg/L
1	V 292.402	568.8	1018.0	0.01827	mg/L	0.01827	mg/L
1	Tl 190.800	3.9	7.0	0.03434	mg/L	0.03434	mg/L
1	Zn 213.856	4161.3	7448.2	0.15300	mg/L	0.15300	mg/L
1	Na 330.237	3278220.9	5867642.4	21735	mg/L	21735	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-2842.7	-5088.0	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	207041.9	207041.9	0.560	mg/L		
2	Ag 328.068	-354.4	-633.0	-0.01664	mg/L	-0.01664	mg/L
2	Al 308.215	15828.4	28272.1	8.0022	mg/L	8.0022	mg/L
2	As 193.696	-3.0	-5.4	0.19673	mg/L	0.19673	mg/L
2	B 249.773	11987.7	21412.0	0.85154	mg/L	0.85154	mg/L

2	Ba 233.527	10772.5	19241.4	0.59638	mg/L	0.59638 mg/L
2	Be 313.042	902.4	1611.9	0.00105	mg/L	0.00105 mg/L
2	Ca 315.887	12216487.5	21820594.4	1508.8	mg/L	1508.8 mg/L
2	Cd 214.438	137.1	244.9	0.00342	mg/L	0.00342 mg/L
2	Co 238.892	272.1	486.1	0.02259	mg/L	0.02259 mg/L
2	Cr 267.716	2534.8	4527.5	0.06485	mg/L	0.06485 mg/L
2	Cu 324.754	3208.1	5730.2	0.03205	mg/L	0.03205 mg/L
2	Fe 234.349	129247.2	230856.1	19.531	mg/L	19.531 mg/L
2	K 766.491	Saturated				
2	Mo 202.030	21.4	38.2	0.00812	mg/L	0.00812 mg/L
2	Mn 257.610	100607.2	179700.5	0.95757	mg/L	0.95757 mg/L
2	Mg 279.079	732554.8	1308459.6	619.51	mg/L	619.51 mg/L
2	Ni 231.604	139.7	249.5	0.03630	mg/L	0.03630 mg/L
2	Pb 220.353	38.3	68.4	0.01470	mg/L	0.01470 mg/L
2	Sn 189.933	40.4	72.2	0.40668	mg/L	0.40668 mg/L
2	Se 196.026	-0.2	-0.3	-0.00240	mg/L	-0.00240 mg/L
2	Sb 206.833	22.3	39.8	0.29495	mg/L	0.29495 mg/L
2	V 292.402	565.5	1010.1	0.01815	mg/L	0.01815 mg/L
2	Tl 190.800	5.2	9.3	0.03651	mg/L	0.03651 mg/L
2	Zn 213.856	4160.6	7431.5	0.15263	mg/L	0.15263 mg/L
2	Na 330.237	3308029.7	5908668.5	21887	mg/L	21887 mg/L
2	Sr 407.771	Saturated				
2	K 404.721	-2915.2	-5207.0	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: 10809-3 Seq. No.: 35 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:36:18 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	206826.4	0.559	0.0008	mg/L				0.15%
Ag 328.068	-649.2	-0.01701	0.000529	mg/L	-0.01701	0.000529	mg/L	3.11%
Al 308.215	28047.7	7.9383	0.09034	mg/L	7.9383	0.09034	mg/L	1.14%
As 193.696	-10.6	0.18340	0.018856	mg/L	0.18340	0.018856	mg/L	10.28%
B 249.773	21369.6	0.84984	0.002405	mg/L	0.84984	0.002405	mg/L	0.28%
Ba 233.527	19301.9	0.59825	0.002652	mg/L	0.59825	0.002652	mg/L	0.44%
Be 313.042	1624.3	0.00106	0.000017	mg/L	0.00106	0.000017	mg/L	1.65%
Ca 315.887	21712204.3	1501.3	10.60	mg/L	1501.3	10.60	mg/L	0.71%
Cd 214.438	247.9	0.00352	0.000142	mg/L	0.00352	0.000142	mg/L	4.03%
Co 238.892	484.1	0.02251	0.000116	mg/L	0.02251	0.000116	mg/L	0.52%
Cr 267.716	4527.9	0.06485	0.000008	mg/L	0.06485	0.000008	mg/L	0.01%
Cu 324.754	5709.9	0.03189	0.000227	mg/L	0.03189	0.000227	mg/L	0.71%
Fe 234.349	232203.8	19.646	0.1616	mg/L	19.646	0.1616	mg/L	0.82%
K 766.491	Saturated							
Mo 202.030	38.1	0.00809	0.000051	mg/L	0.00809	0.000051	mg/L	0.63%
Mn 257.610	180535.8	0.96202	0.006297	mg/L	0.96202	0.006297	mg/L	0.65%
Mg 279.079	1308663.2	619.61	0.136	mg/L	619.61	0.136	mg/L	0.02%
Ni 231.604	251.6	0.03661	0.000430	mg/L	0.03661	0.000430	mg/L	1.17%
Pb 220.353	53.2	0.00850	0.008764	mg/L	0.00850	0.008764	mg/L	103.12%
Sn 189.933	77.2	0.40961	0.004137	mg/L	0.40961	0.004137	mg/L	1.01%
Se 196.026	1.6	-0.00045	0.002750	mg/L	-0.00045	0.002750	mg/L	610.23%
Sb 206.833	40.3	0.29454	0.000580	mg/L	0.29454	0.000580	mg/L	0.20%
V 292.402	1014.1	0.01821	0.000089	mg/L	0.01821	0.000089	mg/L	0.49%
Tl 190.800	8.2	0.03542	0.001539	mg/L	0.03542	0.001539	mg/L	4.34%
Zn 213.856	7439.9	0.15282	0.000260	mg/L	0.15282	0.000260	mg/L	0.17%
Na 330.237	5888155.4	21811	107.5	mg/L	21811	107.5	mg/L	0.49%
Sr 407.771	Saturated							
K 404.721	-5147.5	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: 10809-1 Date: 11/18/96 8:39:05 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	270663.0	270663.0	0.732	mg/L		
1	Ag 328.068	-326.2	-445.7	-0.01230	mg/L	-0.01230	mg/L
1	Al 308.215	6776.2	9258.4	2.5892	mg/L	2.5892	mg/L
1	As 193.696	16.6	22.7	-0.01570	mg/L	-0.01570	mg/L
1	B 249.773	4199.5	5737.8	0.22280	mg/L	0.22280	mg/L
1	Ba 233.527	6375.8	8711.4	0.27016	mg/L	0.27016	mg/L
1	Be 313.042	1114.1	1522.2	0.00085	mg/L	0.00085	mg/L
1	Ca 315.887	12199018.8	16667655.3	1152.5	mg/L	1152.5	mg/L
1	Cd 214.438	129.8	177.4	0.00129	mg/L	0.00129	mg/L
1	Co 238.892	159.6	218.1	0.01147	mg/L	0.01147	mg/L

1	Cr 267.716	3295.1	4502.2	0.06452	mg/L	0.06452 mg/L
1	Cu 324.754	3642.3	4976.6	0.02619	mg/L	0.02619 mg/L
1	Fe 234.349	67157.9	91758.5	7.7387	mg/L	7.7387 mg/L
1	K 766.491	11167777.5	15258658.9	52.008	mg/L	52.008 mg/L
1	Mo 202.030	144.6	197.6	0.03900	mg/L	0.03900 mg/L
1	Mn 257.610	43630.6	59613.0	0.31745	mg/L	0.31745 mg/L
1	Mg 279.079	23475.6	32075.0	15.188	mg/L	15.188 mg/L
1	Ni 231.604	304.8	416.5	0.06043	mg/L	0.06043 mg/L
1	Pb 220.353	30.3	41.4	0.00496	mg/L	0.00496 mg/L
1	Sn 189.933	35.0	47.8	0.20510	mg/L	0.20510 mg/L
1	Se 196.026	16.5	22.5	0.00623	mg/L	0.00623 mg/L
1	Sb 206.833	23.6	32.3	0.16249	mg/L	0.16249 mg/L
1	V 292.402	11355.6	15515.3	0.25010	mg/L	0.25010 mg/L
1	Tl 190.800	-22.2	-30.3	-0.00411	mg/L	-0.00411 mg/L
1	Zn 213.856	4400.6	6012.6	0.12147	mg/L	0.12147 mg/L
1	Na 330.237	774531.9	1058251.6	3918.6	mg/L	3918.6 mg/L
1	Sr 407.771	Saturated				
1	K 404.721	457.5	625.1	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	265373.6	265373.6	0.718	mg/L	
2	Ag 328.068	-320.6	-446.8	-0.01233	mg/L	-0.01233 mg/L
2	Al 308.215	6502.7	9061.8	2.5332	mg/L	2.5332 mg/L
2	As 193.696	19.0	26.5	-0.00696	mg/L	-0.00696 mg/L
2	B 249.773	4146.2	5777.9	0.22441	mg/L	0.22441 mg/L
2	Ba 233.527	6364.9	8869.7	0.27506	mg/L	0.27506 mg/L
2	Be 313.042	1098.7	1531.1	0.00086	mg/L	0.00086 mg/L
2	Ca 315.887	12274711.6	17105356.4	1182.8	mg/L	1182.8 mg/L
2	Cd 214.438	132.5	184.6	0.00153	mg/L	0.00153 mg/L
2	Co 238.892	145.1	202.2	0.01080	mg/L	0.01080 mg/L
2	Cr 267.716	3299.5	4598.0	0.06616	mg/L	0.06616 mg/L
2	Cu 324.754	3585.4	4996.5	0.02634	mg/L	0.02634 mg/L
2	Fe 234.349	66736.2	92999.8	7.8439	mg/L	7.8439 mg/L
2	K 766.491	10463429.7	14581254.6	49.701	mg/L	49.701 mg/L
2	Mo 202.030	139.4	194.2	0.03833	mg/L	0.03833 mg/L
2	Mn 257.610	43229.7	60242.5	0.32080	mg/L	0.32080 mg/L
2	Mg 279.079	23098.5	32188.7	15.241	mg/L	15.241 mg/L
2	Ni 231.604	304.7	424.6	0.06160	mg/L	0.06160 mg/L
2	Pb 220.353	27.6	38.5	0.00374	mg/L	0.00374 mg/L
2	Sn 189.933	36.5	50.8	0.21197	mg/L	0.21197 mg/L
2	Se 196.026	14.5	20.2	0.00378	mg/L	0.00378 mg/L
2	Sb 206.833	23.1	32.2	0.16638	mg/L	0.16638 mg/L
2	V 292.402	11239.5	15662.8	0.25246	mg/L	0.25246 mg/L
2	Tl 190.800	-18.4	-25.6	0.00042	mg/L	0.00042 mg/L
2	Zn 213.856	4390.2	6118.0	0.12378	mg/L	0.12378 mg/L
2	Na 330.237	744654.0	1037708.5	3842.5	mg/L	3842.5 mg/L
2	Sr 407.771	Saturated				
2	K 404.721	318.7	444.1	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: 10809-1 Seq. No.: 36 Sample No.: 0 A/S Pos: 0
Sample Qty: 100.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:39:05 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	268018.3	0.725	0.0101	mg/L				1.40%
Ag 328.068	-446.2	-0.01231	0.000019	mg/L	-0.01231	0.000019	mg/L	0.15%
Al 308.215	9160.1	2.5612	0.03958	mg/L	2.5612	0.03958	mg/L	1.55%
As 193.696	24.6	-0.01133	0.006174	mg/L	-0.01133	0.006174	mg/L	54.49%
B 249.773	5757.9	0.22360	0.001138	mg/L	0.22360	0.001138	mg/L	0.51%
Ba 233.527	8790.5	0.27261	0.003469	mg/L	0.27261	0.003469	mg/L	1.27%
Be 313.042	1526.7	0.00085	0.000005	mg/L	0.00085	0.000005	mg/L	0.64%
Ca 315.887	16886505.8	1167.7	21.40	mg/L	1167.7	21.40	mg/L	1.83%
Cd 214.438	181.0	0.00141	0.000172	mg/L	0.00141	0.000172	mg/L	12.24%
Co 238.892	210.2	0.01114	0.000474	mg/L	0.01114	0.000474	mg/L	4.26%
Cr 267.716	4550.1	0.06534	0.001161	mg/L	0.06534	0.001161	mg/L	1.78%
Cu 324.754	4986.5	0.02627	0.000112	mg/L	0.02627	0.000112	mg/L	0.43%
Fe 234.349	92379.2	7.7913	0.07441	mg/L	7.7913	0.07441	mg/L	0.96%
K 766.491	14919956.7	50.854	1.6318	mg/L	50.854	1.6318	mg/L	3.21%
Mo 202.030	195.9	0.03867	0.000468	mg/L	0.03867	0.000468	mg/L	1.21%
Mn 257.610	59927.8	0.31913	0.002373	mg/L	0.31913	0.002373	mg/L	0.74%
Mg 279.079	32131.9	15.215	0.0381	mg/L	15.215	0.0381	mg/L	0.25%
Ni 231.604	420.6	0.06101	0.000829	mg/L	0.06101	0.000829	mg/L	1.36%
Pb 220.353	39.9	0.00435	0.000860	mg/L	0.00435	0.000860	mg/L	19.76%
Sn 189.933	49.3	0.20853	0.004857	mg/L	0.20853	0.004857	mg/L	2.33%
Se 196.026	21.4	0.00500	0.001731	mg/L	0.00500	0.001731	mg/L	34.60%

Sb 206.833	32.2	0.16444	0.002753 mg/L	0.16444	0.002753 mg/L	1.67%
V 292.402	15589.0	0.25128	0.001668 mg/L	0.25128	0.001668 mg/L	0.66%
Tl 190.800	-27.9	-0.00184	0.003202 mg/L	-0.00184	0.003202 mg/L	173.62%
Zn 213.856	6065.3	0.12263	0.001638 mg/L	0.12263	0.001638 mg/L	1.34%
Na 330.237	1047980.1	3880.5	53.81 mg/L	3880.5	53.81 mg/L	1.39%
Sr 407.771	Saturated					
K 404.721	534.6	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: RW Date: 11/18/96 8:41:56 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	356230.5	356230.5	0.963	mg/L		
1	Ag 328.068	90.7	94.2	0.00021	mg/L	0.00021	mg/L
1	Al 308.215	177.8	184.6	0.00595	mg/L	0.00595	mg/L
1	As 193.696	8.8	9.1	0.00577	mg/L	0.00577	mg/L
1	B 249.773	295.3	306.5	0.00493	mg/L	0.00493	mg/L
1	Ba 233.527	-5.9	-6.1	0.00009	mg/L	0.00009	mg/L
1	Be 313.042	489.7	508.4	-0.00004	mg/L	-0.00004	mg/L
1	Ca 315.887	16711.5	17348.5	1.2010	mg/L	1.2010	mg/L
1	Cd 214.438	138.1	143.4	0.00016	mg/L	0.00016	mg/L
1	Co 238.892	-54.1	-56.2	-0.00024	mg/L	-0.00024	mg/L
1	Cr 267.716	777.9	807.5	0.00100	mg/L	0.00100	mg/L
1	Cu 324.754	1550.8	1609.9	-0.00046	mg/L	-0.00046	mg/L
1	Fe 234.349	634.2	658.4	0.01533	mg/L	0.01533	mg/L
1	K 766.491	10608.2	11012.6	0.06533	mg/L	0.06533	mg/L
1	Mo 202.030	3.8	3.9	0.00149	mg/L	0.00149	mg/L
1	Mn 257.610	130.4	135.4	0.00041	mg/L	0.00041	mg/L
1	Mg 279.079	309.2	321.0	0.15006	mg/L	0.15006	mg/L
1	Ni 231.604	-1.0	-1.0	0.00010	mg/L	0.00010	mg/L
1	Pb 220.353	35.7	37.1	0.00363	mg/L	0.00363	mg/L
1	Sn 189.933	9.9	10.3	0.00319	mg/L	0.00319	mg/L
1	Se 196.026	9.3	9.6	-0.00490	mg/L	-0.00490	mg/L
1	Sb 206.833	23.5	24.4	-0.00044	mg/L	-0.00044	mg/L
1	V 292.402	-115.9	-120.4	0.00007	mg/L	0.00007	mg/L
1	Tl 190.800	-25.3	-26.3	-0.00169	mg/L	-0.00169	mg/L
1	Zn 213.856	495.9	514.8	0.00071	mg/L	0.00071	mg/L
1	Na 330.237	1855.2	1925.9	5.4745	mg/L	5.4745	mg/L
1	Sr 407.771	336055.1	348865.4				
1	K 404.721	3566.2	3702.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	358005.8	358005.8	0.968	mg/L		
2	Ag 328.068	84.4	87.2	0.00004	mg/L	0.00004	mg/L
2	Al 308.215	172.8	178.5	0.00422	mg/L	0.00422	mg/L
2	As 193.696	6.1	6.3	-0.00155	mg/L	-0.00155	mg/L
2	B 249.773	289.7	299.3	0.00464	mg/L	0.00464	mg/L
2	Ba 233.527	-4.8	-4.9	0.00013	mg/L	0.00013	mg/L
2	Be 313.042	481.5	497.4	-0.00006	mg/L	-0.00006	mg/L
2	Ca 315.887	13328.9	13768.3	0.95342	mg/L	0.95342	mg/L
2	Cd 214.438	133.4	137.8	-0.00003	mg/L	-0.00003	mg/L
2	Co 238.892	-58.5	-60.5	-0.00042	mg/L	-0.00042	mg/L
2	Cr 267.716	771.1	796.5	0.00081	mg/L	0.00081	mg/L
2	Cu 324.754	1536.8	1587.5	-0.00064	mg/L	-0.00064	mg/L
2	Fe 234.349	612.8	633.0	0.01318	mg/L	0.01318	mg/L
2	K 766.491	8133.5	8401.7	0.05643	mg/L	0.05643	mg/L
2	Mo 202.030	4.5	4.7	0.00163	mg/L	0.00163	mg/L
2	Mn 257.610	112.8	116.6	0.00031	mg/L	0.00031	mg/L
2	Mg 279.079	271.7	280.6	0.13096	mg/L	0.13096	mg/L
2	Ni 231.604	5.1	5.3	0.00101	mg/L	0.00101	mg/L
2	Pb 220.353	32.9	33.9	0.00234	mg/L	0.00234	mg/L
2	Sn 189.933	7.0	7.2	0.00072	mg/L	0.00072	mg/L
2	Se 196.026	23.8	24.6	0.01081	mg/L	0.01081	mg/L
2	Sb 206.833	25.3	26.2	0.00164	mg/L	0.00164	mg/L
2	V 292.402	-135.2	-139.7	-0.00024	mg/L	-0.00024	mg/L
2	Tl 190.800	-19.4	-20.1	0.00430	mg/L	0.00430	mg/L
2	Zn 213.856	481.2	497.1	0.00032	mg/L	0.00032	mg/L
2	Na 330.237	1642.2	1696.4	4.6242	mg/L	4.6242	mg/L
2	Sr 407.771	282427.9	291740.0				
2	K 404.721	3689.5	3811.2	0.00000	mg/L	0.00000	mg/L

Mean Data ----------

ID: RW Seq. No.: 37 Sample No.: 0 A/S Pos: 0

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 8:41:56 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	357118.1	0.966	0.0034	mg/L				0.35%
Ag 328.068	90.7	0.00013	0.000114	mg/L	0.00013	0.000114	mg/L	90.87%
Al 308.215	181.6	0.00509	0.001228	mg/L	0.00509	0.001228	mg/L	24.14%
As 193.696	7.7	0.00211	0.005174	mg/L	0.00211	0.005174	mg/L	245.58%
B 249.773	302.9	0.00479	0.000207	mg/L	0.00479	0.000207	mg/L	4.32%
Ba 233.527	-5.5	0.00011	0.000025	mg/L	0.00011	0.000025	mg/L	22.20%
Be 313.042	502.9	-0.00005	0.000008	mg/L	-0.00005	0.000008	mg/L	15.41%
Ca 315.887	15558.4	1.0772	0.17505	mg/L	1.0772	0.17505	mg/L	16.25%
Cd 214.438	140.6	0.00006	0.000133	mg/L	0.00006	0.000133	mg/L	206.70%
Co 238.892	-58.3	-0.00033	0.000127	mg/L	-0.00033	0.000127	mg/L	38.05%
Cr 267.716	802.0	0.00090	0.000133	mg/L	0.00090	0.000133	mg/L	14.72%
Cu 324.754	1598.7	-0.00055	0.000125	mg/L	-0.00055	0.000125	mg/L	22.58%
Fe 234.349	645.7	0.01426	0.001521	mg/L	0.01426	0.001521	mg/L	10.67%
K 766.491	9707.1	0.06088	0.006289	mg/L	0.06088	0.006289	mg/L	10.33%
Mo 202.030	4.3	0.00156	0.000103	mg/L	0.00156	0.000103	mg/L	6.60%
Mn 257.610	126.0	0.00036	0.000071	mg/L	0.00036	0.000071	mg/L	19.92%
Mg 279.079	300.8	0.14051	0.013508	mg/L	0.14051	0.013508	mg/L	9.61%
Ni 231.604	2.1	0.00055	0.000641	mg/L	0.00055	0.000641	mg/L	115.66%
Pb 220.353	35.5	0.00299	0.000911	mg/L	0.00299	0.000911	mg/L	30.48%
Sn 189.933	8.7	0.00196	0.001752	mg/L	0.00196	0.001752	mg/L	89.57%
Se 196.026	17.1	0.00295	0.011107	mg/L	0.00295	0.011107	mg/L	376.20%
Sb 206.833	25.3	0.00060	0.001465	mg/L	0.00060	0.001465	mg/L	244.19%
V 292.402	-130.0	-0.00008	0.000218	mg/L	-0.00008	0.000218	mg/L	259.15%
Tl 190.800	-23.2	0.00131	0.004236	mg/L	0.00131	0.004236	mg/L	323.58%
Zn 213.856	505.9	0.00052	0.000275	mg/L	0.00052	0.000275	mg/L	53.31%
Na 330.237	1811.1	5.0494	0.60125	mg/L	5.0494	0.60125	mg/L	11.91%
Sr 407.771	320302.7							12.61%
K 404.721	3756.6	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: RWLCS Date: 11/18/96 8:44:48 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	344497.8	344497.8	0.932	mg/L		
1	Ag 328.068	7454.0	8001.7	0.18339	mg/L	0.18339	mg/L
1	Al 308.215	62338.9	66919.3	19.005	mg/L	19.005	mg/L
1	As 193.696	75.4	81.0	0.17866	mg/L	0.17866	mg/L
1	B 249.773	9730.9	10445.8	0.41165	mg/L	0.41165	mg/L
1	Ba 233.527	12275.4	13177.4	0.40851	mg/L	0.40851	mg/L
1	Be 313.042	199183.3	213818.3	0.21270	mg/L	0.21270	mg/L
1	Ca 315.887	295482.3	317192.9	21.935	mg/L	21.935	mg/L
1	Cd 214.438	6087.4	6534.7	0.21390	mg/L	0.21390	mg/L
1	Co 238.892	9125.7	9796.2	0.41599	mg/L	0.41599	mg/L
1	Cr 267.716	22737.6	24408.2	0.40736	mg/L	0.40736	mg/L
1	Cu 324.754	44914.5	48214.6	0.36720	mg/L	0.36720	mg/L
1	Fe 234.349	234610.2	251848.3	21.311	mg/L	21.311	mg/L
1	K 766.491	5895094.8	6328238.2	21.586	mg/L	21.586	mg/L
1	Mo 202.030	1940.0	2082.5	0.40305	mg/L	0.40305	mg/L
1	Mn 257.610	69826.2	74956.6	0.39924	mg/L	0.39924	mg/L
1	Mg 279.079	39826.4	42752.6	20.244	mg/L	20.244	mg/L
1	Ni 231.604	2561.0	2749.2	0.39747	mg/L	0.39747	mg/L
1	Pb 220.353	953.9	1024.0	0.40607	mg/L	0.40607	mg/L
1	Sn 189.933	480.5	515.8	0.42345	mg/L	0.42345	mg/L
1	Se 196.026	394.3	423.3	0.42040	mg/L	0.42040	mg/L
1	Sb 206.833	341.4	366.5	0.41637	mg/L	0.41637	mg/L
1	V 292.402	23309.5	25022.1	0.40212	mg/L	0.40212	mg/L
1	Tl 190.800	174.5	187.3	0.20483	mg/L	0.20483	mg/L
1	Zn 213.856	18614.0	19981.6	0.42829	mg/L	0.42829	mg/L
1	Na 330.237	6023.0	6465.6	22.291	mg/L	22.291	mg/L
1	Sr 407.771	111269.2	119444.8				
1	K 404.721	1606.9	1725.0	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	345201.7	345201.7	0.933	mg/L		
2	Ag 328.068	7925.0	8490.0	0.19470	mg/L	0.19470	mg/L
2	Al 308.215	62878.6	67361.0	19.131	mg/L	19.131	mg/L
2	As 193.696	77.3	82.8	0.18338	mg/L	0.18338	mg/L
2	B 249.773	9808.0	10507.2	0.41411	mg/L	0.41411	mg/L
2	Ba 233.527	12335.6	13214.9	0.40968	mg/L	0.40968	mg/L
2	Be 313.042	199660.2	213893.3	0.21278	mg/L	0.21278	mg/L
2	Ca 315.887	295735.8	316817.7	21.909	mg/L	21.909	mg/L
2	Cd 214.438	6077.4	6510.6	0.21310	mg/L	0.21310	mg/L

2	Co 238.892	9126.7	9777.3	0.41520 mg/L	0.41520 mg/L
2	Cr 267.716	22778.6	24402.4	0.40726 mg/L	0.40726 mg/L
2	Cu 324.754	45113.5	48329.5	0.36810 mg/L	0.36810 mg/L
2	Fe 234.349	235425.5	252208.1	21.341 mg/L	21.341 mg/L
2	K 766.491	5967341.1	6392730.9	21.805 mg/L	21.805 mg/L
2	Mo 202.030	1946.0	2084.7	0.40348 mg/L	0.40348 mg/L
2	Mn 257.610	70002.3	74992.5	0.39943 mg/L	0.39943 mg/L
2	Mg 279.079	39965.6	42814.6	20.273 mg/L	20.273 mg/L
2	Ni 231.604	2566.1	2749.0	0.39744 mg/L	0.39744 mg/L
2	Pb 220.353	956.5	1024.6	0.40630 mg/L	0.40630 mg/L
2	Sn 189.933	486.1	520.8	0.42748 mg/L	0.42748 mg/L
2	Se 196.026	385.3	412.8	0.40937 mg/L	0.40937 mg/L
2	Sb 206.833	342.1	366.5	0.41641 mg/L	0.41641 mg/L
2	V 292.402	23368.3	25034.1	0.40231 mg/L	0.40231 mg/L
2	Tl 190.800	168.2	180.1	0.19790 mg/L	0.19790 mg/L
2	Zn 213.856	18606.8	19933.2	0.42723 mg/L	0.42723 mg/L
2	Na 330.237	6009.6	6438.0	22.189 mg/L	22.189 mg/L
2	Sr 407.771	106685.0	114290.1		
2	K 404.721	1569.1	1680.9	0.00000 mg/L	0.00000 mg/L

Mean Data ----------

ID: RWLCS Seq. No.: 38 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:44:48 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	344849.7	0.933	0.0013	mg/L				0.14%
Ag 328.068	8245.8	0.18905	0.007998	mg/L	0.18905	0.007998	mg/L	4.23%
Al 308.215	67140.1	19.068	0.0889	mg/L	19.068	0.0889	mg/L	0.47%
As 193.696	81.9	0.18102	0.003342	mg/L	0.18102	0.003342	mg/L	1.85%
B 249.773	10476.5	0.41288	0.001741	mg/L	0.41288	0.001741	mg/L	0.42%
Ba 233.527	13196.1	0.40910	0.000823	mg/L	0.40910	0.000823	mg/L	0.20%
Be 313.042	213855.8	0.21274	0.000053	mg/L	0.21274	0.000053	mg/L	0.02%
Ca 315.887	317005.3	21.922	0.0183	mg/L	21.922	0.0183	mg/L	0.08%
Cd 214.438	6522.6	0.21350	0.000571	mg/L	0.21350	0.000571	mg/L	0.27%
Co 238.892	9786.8	0.41560	0.000560	mg/L	0.41560	0.000560	mg/L	0.13%
Cr 267.716	24405.3	0.40731	0.000070	mg/L	0.40731	0.000070	mg/L	0.02%
Cu 324.754	48272.0	0.36765	0.000641	mg/L	0.36765	0.000641	mg/L	0.17%
Fe 234.349	252028.2	21.326	0.0216	mg/L	21.326	0.0216	mg/L	0.10%
K 766.491	6360484.5	21.696	0.1554	mg/L	21.696	0.1554	mg/L	0.72%
Mo 202.030	2083.6	0.40327	0.000301	mg/L	0.40327	0.000301	mg/L	0.07%
Mn 257.610	74974.6	0.39933	0.000135	mg/L	0.39933	0.000135	mg/L	0.03%
Mg 279.079	42783.6	20.259	0.0208	mg/L	20.259	0.0208	mg/L	0.10%
Ni 231.604	2749.1	0.39745	0.000018	mg/L	0.39745	0.000018	mg/L	0.00%
Pb 220.353	1024.3	0.40619	0.000158	mg/L	0.40619	0.000158	mg/L	0.04%
Sn 189.933	518.3	0.42547	0.002847	mg/L	0.42547	0.002847	mg/L	0.67%
Se 196.026	418.1	0.41489	0.007801	mg/L	0.41489	0.007801	mg/L	1.88%
Sb 206.833	366.5	0.41639	0.000031	mg/L	0.41639	0.000031	mg/L	0.01%
V 292.402	25028.1	0.40222	0.000136	mg/L	0.40222	0.000136	mg/L	0.03%
Tl 190.800	183.7	0.20137	0.004902	mg/L	0.20137	0.004902	mg/L	2.43%
Zn 213.856	19957.4	0.42776	0.000752	mg/L	0.42776	0.000752	mg/L	0.18%
Na 330.237	6451.8	22.240	0.0723	mg/L	22.240	0.0723	mg/L	0.33%
Sr 407.771	116867.4							3.12%
K 404.721	1702.9	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: RWMS Date: 11/18/96 8:47:44 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	343889.8	343889.8	0.930	mg/L		
1	Ag 328.068	8095.4	8705.6	0.19970	mg/L	0.19970	mg/L
1	Al 308.215	62730.1	67458.3	19.159	mg/L	19.159	mg/L
1	As 193.696	74.5	80.1	0.17609	mg/L	0.17609	mg/L
1	B 249.773	9713.8	10446.0	0.41166	mg/L	0.41166	mg/L
1	Ba 233.527	12275.4	13200.7	0.40924	mg/L	0.40924	mg/L
1	Be 313.042	199026.6	214027.9	0.21291	mg/L	0.21291	mg/L
1	Ca 315.887	293094.8	315186.3	21.797	mg/L	21.797	mg/L
1	Cd 214.438	6087.4	6546.2	0.21429	mg/L	0.21429	mg/L
1	Co 238.892	9051.0	9733.2	0.41336	mg/L	0.41336	mg/L
1	Cr 267.716	22707.5	24419.1	0.40755	mg/L	0.40755	mg/L
1	Cu 324.754	44773.0	48147.6	0.36667	mg/L	0.36667	mg/L
1	Fe 234.349	234400.2	252067.7	21.330	mg/L	21.330	mg/L
1	K 766.491	5859993.3	6301679.7	21.495	mg/L	21.495	mg/L

1	Mo 202.030	1946.4	2093.1	0.40510	mg/L	0.40510 mg/L
1	Mn 257.610	69632.6	74881.0	0.39883	mg/L	0.39883 mg/L
1	Mg 279.079	39731.3	42726.0	20.231	mg/L	20.231 mg/L
1	Ni 231.604	2547.9	2739.9	0.39613	mg/L	0.39613 mg/L
1	Pb 220.353	941.8	1012.8	0.40143	mg/L	0.40143 mg/L
1	Sn 189.933	486.4	523.1	0.42932	mg/L	0.42932 mg/L
1	Se 196.026	391.7	421.3	0.41826	mg/L	0.41826 mg/L
1	Sb 206.833	341.7	367.4	0.41749	mg/L	0.41749 mg/L
1	V 292.402	23295.2	25051.0	0.40258	mg/L	0.40258 mg/L
1	Tl 190.800	173.8	186.9	0.20440	mg/L	0.20440 mg/L
1	Zn 213.856	18739.9	20152.4	0.43204	mg/L	0.43204 mg/L
1	Na 330.237	5732.0	6164.0	21.174	mg/L	21.174 mg/L
1	Sr 407.771	63272.1	68041.1			
1	K 404.721	1589.8	1709.7	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	343792.1	343792.1	0.930	mg/L	
2	Ag 328.068	7389.7	7949.0	0.18217	mg/L	0.18217 mg/L
2	Al 308.215	62760.5	67510.1	19.174	mg/L	19.174 mg/L
2	As 193.696	80.9	87.0	0.19454	mg/L	0.19454 mg/L
2	B 249.773	9697.8	10431.7	0.41108	mg/L	0.41108 mg/L
2	Ba 233.527	12285.6	13215.3	0.40969	mg/L	0.40969 mg/L
2	Be 313.042	199183.7	214257.6	0.21314	mg/L	0.21314 mg/L
2	Ca 315.887	293581.6	315799.4	21.839	mg/L	21.839 mg/L
2	Cd 214.438	6097.4	6558.8	0.21471	mg/L	0.21471 mg/L
2	Co 238.892	9071.1	9757.5	0.41439	mg/L	0.41439 mg/L
2	Cr 267.716	22758.3	24480.6	0.40861	mg/L	0.40861 mg/L
2	Cu 324.754	44723.5	48108.1	0.36635	mg/L	0.36635 mg/L
2	Fe 234.349	234634.3	252391.1	21.357	mg/L	21.357 mg/L
2	K 766.491	5859138.4	6302549.7	21.498	mg/L	21.498 mg/L
2	Mo 202.030	1956.7	2104.8	0.40735	mg/L	0.40735 mg/L
2	Mn 257.610	69662.6	74934.6	0.39912	mg/L	0.39912 mg/L
2	Mg 279.079	39759.6	42768.6	20.251	mg/L	20.251 mg/L
2	Ni 231.604	2550.5	2743.5	0.39665	mg/L	0.39665 mg/L
2	Pb 220.353	955.6	1027.9	0.40766	mg/L	0.40766 mg/L
2	Sn 189.933	488.6	525.6	0.43135	mg/L	0.43135 mg/L
2	Se 196.026	383.3	412.3	0.40887	mg/L	0.40887 mg/L
2	Sb 206.833	337.8	363.3	0.41267	mg/L	0.41267 mg/L
2	V 292.402	23189.2	24944.1	0.40087	mg/L	0.40087 mg/L
2	Tl 190.800	171.3	184.2	0.20183	mg/L	0.20183 mg/L
2	Zn 213.856	18767.2	20187.4	0.43281	mg/L	0.43281 mg/L
2	Na 330.237	5775.4	6212.5	21.354	mg/L	21.354 mg/L
2	Sr 407.771	59405.4	63901.1			
2	K 404.721	1529.0	1644.7	0.00000	mg/L	0.00000 mg/L

Mean Data

ID: RWMS Seq. No.: 39 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:47:44 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	343841.0	0.930	0.0002	mg/L				0.02%
Ag 328.068	8327.3	0.19093	0.012394	mg/L	0.19093	0.012394	mg/L	6.49%
Al 308.215	67484.2	19.166	0.0104	mg/L	19.166	0.0104	mg/L	0.05%
As 193.696	83.6	0.18532	0.013043	mg/L	0.18532	0.013043	mg/L	7.04%
B 249.773	10438.8	0.41137	0.000405	mg/L	0.41137	0.000405	mg/L	0.10%
Ba 233.527	13208.0	0.40946	0.000320	mg/L	0.40946	0.000320	mg/L	0.08%
Be 313.042	214142.8	0.21303	0.000163	mg/L	0.21303	0.000163	mg/L	0.08%
Ca 315.887	315492.8	21.818	0.0300	mg/L	21.818	0.0300	mg/L	0.14%
Cd 214.438	6552.5	0.21450	0.000299	mg/L	0.21450	0.000299	mg/L	0.14%
Co 238.892	9745.4	0.41387	0.000731	mg/L	0.41387	0.000731	mg/L	0.18%
Cr 267.716	24449.9	0.40808	0.000753	mg/L	0.40808	0.000753	mg/L	0.18%
Cu 324.754	48127.9	0.36651	0.000222	mg/L	0.36651	0.000222	mg/L	0.06%
Fe 234.349	252229.4	21.343	0.0194	mg/L	21.343	0.0194	mg/L	0.09%
K 766.491	6302114.7	21.497	0.0021	mg/L	21.497	0.0021	mg/L	0.01%
Mo 202.030	2098.9	0.40623	0.001593	mg/L	0.40623	0.001593	mg/L	0.39%
Mn 257.610	74907.8	0.39898	0.000202	mg/L	0.39898	0.000202	mg/L	0.05%
Mg 279.079	42747.3	20.241	0.0142	mg/L	20.241	0.0142	mg/L	0.07%
Ni 231.604	2741.7	0.39639	0.000366	mg/L	0.39639	0.000366	mg/L	0.09%
Pb 220.353	1020.4	0.40454	0.004408	mg/L	0.40454	0.004408	mg/L	1.09%
Sn 189.933	524.4	0.43033	0.001440	mg/L	0.43033	0.001440	mg/L	0.33%
Se 196.026	416.8	0.41356	0.006642	mg/L	0.41356	0.006642	mg/L	1.61%
Sb 206.833	365.4	0.41508	0.003413	mg/L	0.41508	0.003413	mg/L	0.82%
V 292.402	24997.6	0.40173	0.001209	mg/L	0.40173	0.001209	mg/L	0.30%
Tl 190.800	185.6	0.20312	0.001820	mg/L	0.20312	0.001820	mg/L	0.90%
Zn 213.856	20169.9	0.43243	0.000544	mg/L	0.43243	0.000544	mg/L	0.13%

Na 330.237	6188.2	21.264	0.1269 mg/L	21.264	0.1269 mg/L	0.60%
Sr 407.771	65971.1					4.44%
K 404.721	1677.2	0.00000	0.000000 mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------
ID: CCV3 Date: 11/18/96 8:50:44 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	344277.6	344277.6	0.931	mg/L		
1	Ag 328.068	6492.0	6973.5	0.15957	mg/L	0.15957	mg/L
1	Al 308.215	62851.4	67512.5	19.174	mg/L	19.174	mg/L
1	As 193.696	75.0	80.6	0.17732	mg/L	0.17732	mg/L
1	B 249.773	9727.8	10449.2	0.41179	mg/L	0.41179	mg/L
1	Ba 233.527	12195.1	13099.5	0.40610	mg/L	0.40610	mg/L
1	Be 313.042	198424.7	213140.3	0.21203	mg/L	0.21203	mg/L
1	Ca 315.887	289759.5	311248.5	21.524	mg/L	21.524	mg/L
1	Cd 214.438	6058.4	6507.7	0.21300	mg/L	0.21300	mg/L
1	Co 238.892	9023.7	9692.9	0.41167	mg/L	0.41167	mg/L
1	Cr 267.716	22618.0	24295.4	0.40543	mg/L	0.40543	mg/L
1	Cu 324.754	44914.1	48245.0	0.36744	mg/L	0.36744	mg/L
1	Fe 234.349	233745.2	251080.2	21.246	mg/L	21.246	mg/L
1	K 766.491	5908965.9	6347184.8	21.650	mg/L	21.650	mg/L
1	Mo 202.030	1955.8	2100.9	0.40660	mg/L	0.40660	mg/L
1	Mn 257.610	69481.2	74634.0	0.39752	mg/L	0.39752	mg/L
1	Mg 279.079	39668.6	42610.5	20.177	mg/L	20.177	mg/L
1	Ni 231.604	2547.1	2736.0	0.39557	mg/L	0.39557	mg/L
1	Pb 220.353	939.0	1008.6	0.39971	mg/L	0.39971	mg/L
1	Sn 189.933	481.6	517.3	0.42460	mg/L	0.42460	mg/L
1	Se 196.026	386.6	415.3	0.41198	mg/L	0.41198	mg/L
1	Sb 206.833	336.0	360.9	0.40971	mg/L	0.40971	mg/L
1	V 292.402	23265.0	24990.4	0.40161	mg/L	0.40161	mg/L
1	Tl 190.800	180.6	194.0	0.21127	mg/L	0.21127	mg/L
1	Zn 213.856	18526.6	19900.5	0.42651	mg/L	0.42651	mg/L
1	Na 330.237	5650.1	6069.1	20.823	mg/L	20.823	mg/L
1	Sr 407.771	32888.6	35327.7				
1	K 404.721	1591.3	1709.3	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	344131.6	344131.6	0.931	mg/L		
2	Ag 328.068	6983.0	7504.0	0.17186	mg/L	0.17186	mg/L
2	Al 308.215	62764.2	67447.5	19.156	mg/L	19.156	mg/L
2	As 193.696	75.2	80.8	0.17813	mg/L	0.17813	mg/L
2	B 249.773	9727.8	10453.7	0.41197	mg/L	0.41197	mg/L
2	Ba 233.527	12225.3	13137.5	0.40728	mg/L	0.40728	mg/L
2	Be 313.042	198427.9	213234.1	0.21212	mg/L	0.21212	mg/L
2	Ca 315.887	290205.4	311859.8	21.567	mg/L	21.567	mg/L
2	Cd 214.438	6087.4	6541.6	0.21413	mg/L	0.21413	mg/L
2	Co 238.892	9051.0	9726.4	0.41308	mg/L	0.41308	mg/L
2	Cr 267.716	22657.4	24348.0	0.40634	mg/L	0.40634	mg/L
2	Cu 324.754	44942.5	48296.0	0.36784	mg/L	0.36784	mg/L
2	Fe 234.349	233632.5	251065.6	21.245	mg/L	21.245	mg/L
2	K 766.491	5870638.1	6308690.8	21.519	mg/L	21.519	mg/L
2	Mo 202.030	1956.1	2102.1	0.40683	mg/L	0.40683	mg/L
2	Mn 257.610	69609.3	74803.4	0.39842	mg/L	0.39842	mg/L
2	Mg 279.079	39731.0	42695.6	20.217	mg/L	20.217	mg/L
2	Ni 231.604	2539.9	2729.4	0.39461	mg/L	0.39461	mg/L
2	Pb 220.353	944.2	1014.6	0.40220	mg/L	0.40220	mg/L
2	Sn 189.933	481.9	517.9	0.42510	mg/L	0.42510	mg/L
2	Se 196.026	379.4	407.8	0.40410	mg/L	0.40410	mg/L
2	Sb 206.833	340.2	365.6	0.41530	mg/L	0.41530	mg/L
2	V 292.402	23216.3	24948.7	0.40095	mg/L	0.40095	mg/L
2	Tl 190.800	172.4	185.2	0.20279	mg/L	0.20279	mg/L
2	Zn 213.856	18486.5	19865.9	0.42575	mg/L	0.42575	mg/L
2	Na 330.237	5701.9	6127.3	21.038	mg/L	21.038	mg/L
2	Sr 407.771	31610.5	33969.1				
2	K 404.721	1660.7	1784.6	0.00000	mg/L	0.00000	mg/L

Mean Data ----------
ID: CCV3 Seq. No.: 40 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0:
Data: Reprocessed Date: 11/18/96 8:50:44 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	344204.6	0.931	0.0003	mg/L				0.03%

Ag 328.068	7238.8	0.16572	0.008691	mg/L	0.16572	0.008691 mg/L	5.24%
Al 308.215	67480.0	19.165	0.0131	mg/L	19.165	0.0131 mg/L	0.07%
As 193.696	80.7	0.17772	0.000577	mg/L	0.17772	0.000577 mg/L	0.32%
B [illegible].773	10451.5	0.41188	0.000126	mg/L	0.41188	0.000126 mg/L	0.03%
Ba [illegible].527	13118.5	0.40669	0.000832	mg/L	0.40669	0.000832 mg/L	0.20%
Be 313.042	213187.2	0.21207	0.000066	mg/L	0.21207	0.000066 mg/L	0.03%
Ca 315.887	311554.2	21.545	0.0299	mg/L	21.545	0.0299 mg/L	0.14%
Cd 214.438	6524.6	0.21357	0.000803	mg/L	0.21357	0.000803 mg/L	0.38%
Co 238.892	9709.6	0.41237	0.000996	mg/L	0.41237	0.000996 mg/L	0.24%
Cr 267.716	24321.7	0.40588	0.000639	mg/L	0.40588	0.000639 mg/L	0.16%
Cu 324.754	48270.5	0.36764	0.000284	mg/L	0.36764	0.000284 mg/L	0.08%
Fe 234.349	251072.9	21.245	0.0009	mg/L	21.245	0.0009 mg/L	0.00%
K 766.491	6327937.8	21.585	0.0927	mg/L	21.585	0.0927 mg/L	0.43%
Mo 202.030	2101.5	0.40671	0.000165	mg/L	0.40671	0.000165 mg/L	0.04%
Mn 257.610	74718.7	0.39797	0.000639	mg/L	0.39797	0.000639 mg/L	0.16%
Mg 279.079	42653.1	20.197	0.0285	mg/L	20.197	0.0285 mg/L	0.14%
Ni 231.604	2732.7	0.39509	0.000676	mg/L	0.39509	0.000676 mg/L	0.17%
Pb 220.353	1011.6	0.40096	0.001759	mg/L	0.40096	0.001759 mg/L	0.44%
Sn 189.933	517.6	0.42485	0.000357	mg/L	0.42485	0.000357 mg/L	0.08%
Se 196.026	411.5	0.40804	0.005573	mg/L	0.40804	0.005573 mg/L	1.37%
Sb 206.833	363.2	0.41250	0.003950	mg/L	0.41250	0.003950 mg/L	0.96%
V 292.402	24969.5	0.40128	0.000472	mg/L	0.40128	0.000472 mg/L	0.12%
Tl 190.800	189.6	0.20703	0.005998	mg/L	0.20703	0.005998 mg/L	2.90%
Zn 213.856	19883.2	0.42613	0.000538	mg/L	0.42613	0.000538 mg/L	0.13%
Na 330.237	6098.2	20.931	0.1524	mg/L	20.931	0.1524 mg/L	0.73%
Sr 407.771	34648.4						2.77%
K 404.721	1747.0	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: CCB3 Date: 11/18/96 8:53:47 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	353074.5	353074.5	0.955	mg/L		
1	Ag 328.068	1189.6	1246.0	0.02689	mg/L	0.02689	mg/L
1	Al 308.215	172.8	181.0	0.00491	mg/L	0.00491	mg/L
1	As 193.696	9.2	9.6	0.00707	mg/L	0.00707	mg/L
1	B 249.773	287.5	301.1	0.00472	mg/L	0.00472	mg/L
1	Ba 233.527	-1.2	-1.3	0.00024	mg/L	0.00024	mg/L
1	Be 313.042	583.9	611.5	0.00006	mg/L	0.00006	mg/L
1	Ca 315.887	880.9	922.7	0.06518	mg/L	0.06518	mg/L
1	Cd 214.438	139.9	146.6	0.00027	mg/L	0.00027	mg/L
1	Co 238.892	-47.3	-49.5	0.00005	mg/L	0.00005	mg/L
1	Cr 267.716	803.4	841.4	0.00159	mg/L	0.00159	mg/L
1	Cu 324.754	1624.1	1701.1	0.00025	mg/L	0.00025	mg/L
1	Fe 234.349	651.3	682.2	0.01735	mg/L	0.01735	mg/L
1	K 766.491	-3341.5	-3499.9	0.01589	mg/L	0.01589	mg/L
1	Mo 202.030	22.7	23.7	0.00531	mg/L	0.00531	mg/L
1	Mn 257.610	113.3	118.7	0.00032	mg/L	0.00032	mg/L
1	Mg 279.079	56.0	58.7	0.02587	mg/L	0.02587	mg/L
1	Ni 231.604	6.1	6.4	0.00117	mg/L	0.00117	mg/L
1	Pb 220.353	33.0	34.6	0.00263	mg/L	0.00263	mg/L
1	Sn 189.933	12.1	12.6	0.00492	mg/L	0.00492	mg/L
1	Se 196.026	21.4	22.4	0.00848	mg/L	0.00848	mg/L
1	Sb 206.833	24.2	25.4	0.00057	mg/L	0.00057	mg/L
1	V 292.402	-105.1	-110.1	0.00023	mg/L	0.00023	mg/L
1	Tl 190.800	-22.5	-23.5	0.00096	mg/L	0.00096	mg/L
1	Zn 213.856	486.0	509.0	0.00058	mg/L	0.00058	mg/L
1	Na 330.237	539.4	565.0	0.43326	mg/L	0.43326	mg/L
1	Sr 407.771	15998.6	16756.9				
1	K 404.721	3679.7	3854.1	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	351757.3	351757.3	0.951	mg/L		
2	Ag 328.068	1070.8	1125.7	0.02410	mg/L	0.02410	mg/L
2	Al 308.215	201.1	211.4	0.01359	mg/L	0.01359	mg/L
2	As 193.696	8.1	8.5	0.00410	mg/L	0.00410	mg/L
2	B 249.773	283.0	297.5	0.00457	mg/L	0.00457	mg/L
2	Ba 233.527	-2.8	-3.0	0.00019	mg/L	0.00019	mg/L
2	Be 313.042	576.5	606.1	0.00005	mg/L	0.00005	mg/L
2	Ca 315.887	865.8	910.2	0.06432	mg/L	0.06432	mg/L
2	Cd 214.438	142.5	149.8	0.00037	mg/L	0.00037	mg/L
2	Co 238.892	-46.4	-48.7	0.00008	mg/L	0.00008	mg/L
2	Cr 267.716	790.5	831.1	0.00141	mg/L	0.00141	mg/L
2	Cu 324.754	1594.5	1676.4	0.00006	mg/L	0.00006	mg/L
2	Fe 234.349	616.7	648.3	0.01448	mg/L	0.01448	mg/L

2 K 766.491	-3805.6	-4000.9	0.01418	mg/L	0.01418 mg/L
2 Mo 202.030	16.7	17.5	0.00411	mg/L	0.00411 mg/L
2 Mn 257.610	110.6	116.2	0.00030	mg/L	0.00030 mg/L
2 Mg 279.079	48.5	51.0	0.02221	mg/L	0.02221 mg/L
2 Ni 231.604	1.9	2.0	0.00054	mg/L	0.00054 mg/L
2 Pb 220.353	31.1	32.7	0.00183	mg/L	0.00183 mg/L
2 Sn 189.933	9.0	9.5	0.00239	mg/L	0.00239 mg/L
2 Se 196.026	20.2	21.2	0.00723	mg/L	0.00723 mg/L
2 Sb 206.833	22.4	23.5	-0.00164	mg/L	-0.00164 mg/L
2 V 292.402	-131.3	-138.0	-0.00021	mg/L	-0.00021 mg/L
2 Tl 190.800	-12.7	-13.4	0.01073	mg/L	0.01073 mg/L
2 Zn 213.856	486.0	511.0	0.00063	mg/L	0.00063 mg/L
2 Na 330.237	541.7	569.5	0.44981	mg/L	0.44981 mg/L
2 Sr 407.771	16743.1	17602.4			
2 K 404.721	3683.7	3872.8	0.00000	mg/L	0.00000 mg/L

Mean Data ----------

ID: CCB3 Seq. No.: 41 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:53:47 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	352415.9	0.953	0.0025	mg/L				0.26%
Ag 328.068	1185.8	0.02550	0.001969	mg/L	0.02550	0.001969	mg/L	7.72%
Al 308.215	196.2	0.00925	0.006135	mg/L	0.00925	0.006135	mg/L	66.32%
As 193.696	9.0	0.00559	0.002100	mg/L	0.00559	0.002100	mg/L	37.60%
B 249.773	299.3	0.00464	0.000103	mg/L	0.00464	0.000103	mg/L	2.21%
Ba 233.527	-2.1	0.00022	0.000037	mg/L	0.00022	0.000037	mg/L	17.00%
Be 313.042	608.8	0.00006	0.000004	mg/L	0.00006	0.000004	mg/L	6.53%
Ca 315.887	916.4	0.06475	0.000609	mg/L	0.06475	0.000609	mg/L	0.94%
Cd 214.438	148.2	0.00032	0.000077	mg/L	0.00032	0.000077	mg/L	24.01%
Co 238.892	-49.1	0.00007	0.000019	mg/L	0.00007	0.000019	mg/L	28.27%
Cr 267.716	836.3	0.00150	0.000128	mg/L	0.00150	0.000128	mg/L	8.55%
Cu 324.754	1688.7	0.00016	0.000138	mg/L	0.00016	0.000138	mg/L	88.62%
Fe 234.349	665.3	0.01591	0.002032	mg/L	0.01591	0.002032	mg/L	12.77%
K 766.491	-3750.4	0.01504	0.001207	mg/L	0.01504	0.001207	mg/L	8.03%
Mo 202.030	20.6	0.00471	0.000848	mg/L	0.00471	0.000848	mg/L	18.00%
Mn 257.610	117.5	0.00031	0.000009	mg/L	0.00031	0.000009	mg/L	2.94%
Mg 279.079	54.8	0.02404	0.002588	mg/L	0.02404	0.002588	mg/L	10.76%
Ni 231.604	4.2	0.00086	0.000444	mg/L	0.00086	0.000444	mg/L	51.76%
Pb 220.353	33.6	0.00223	0.000561	mg/L	0.00223	0.000561	mg/L	25.15%
Sn 189.933	11.1	0.00366	0.001787	mg/L	0.00366	0.001787	mg/L	48.88%
Se 196.026	21.8	0.00786	0.000886	mg/L	0.00786	0.000886	mg/L	11.27%
Sb 206.833	24.4	-0.00053	0.001561	mg/L	-0.00053	0.001561	mg/L	292.48%
V 292.402	-124.1	0.00001	0.000316	mg/L	0.00001	0.000316	mg/L	2877.63%
Tl 190.800	-18.5	0.00584	0.006905	mg/L	0.00584	0.006905	mg/L	118.13%
Zn 213.856	510.0	0.00061	0.000031	mg/L	0.00061	0.000031	mg/L	5.05%
Na 330.237	567.3	0.44153	0.011702	mg/L	0.44153	0.011702	mg/L	2.65%
Sr 407.771	17179.6							3.48%
K 404.721	3863.4	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: RWMD Date: 11/18/96 8:56:53 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	344808.9	344808.9	0.932	mg/L		
1	Ag 328.068	6582.7	7059.9	0.16158	mg/L	0.16158	mg/L
1	Al 308.215	62569.0	67105.7	19.059	mg/L	19.059	mg/L
1	As 193.696	73.5	78.8	0.17278	mg/L	0.17278	mg/L
1	B 249.773	9720.2	10425.0	0.41081	mg/L	0.41081	mg/L
1	Ba 233.527	12232.2	13119.1	0.40671	mg/L	0.40671	mg/L
1	Be 313.042	199316.0	213767.7	0.21265	mg/L	0.21265	mg/L
1	Ca 315.887	289765.6	310775.5	21.492	mg/L	21.492	mg/L
1	Cd 214.438	6061.3	6500.8	0.21277	mg/L	0.21277	mg/L
1	Co 238.892	9042.3	9697.9	0.41186	mg/L	0.41186	mg/L
1	Cr 267.716	22629.4	24270.2	0.40499	mg/L	0.40499	mg/L
1	Cu 324.754	45059.4	48326.5	0.36808	mg/L	0.36808	mg/L
1	Fe 234.349	233034.9	249931.5	21.148	mg/L	21.148	mg/L
1	K 766.491	5902158.8	6330104.1	21.592	mg/L	21.592	mg/L
1	Mo 202.030	1938.7	2079.2	0.40242	mg/L	0.40242	mg/L
1	Mn 257.610	69542.0	74584.2	0.39725	mg/L	0.39725	mg/L
1	Mg 279.079	39668.7	42544.9	20.145	mg/L	20.145	mg/L
1	Ni 231.604	2531.4	2711.9	0.39252	mg/L	0.39252	mg/L

1	Pb 220.353	948.2	1016.9	0.40314	mg/L	0.40314 mg/L
1	Sn 189.933	481.2	516.1	0.42363	mg/L	0.42363 mg/L
1	Se 196.026	397.7	426.5	0.42383	mg/L	0.42383 mg/L
1	Sb 206.833	341.1	365.8	0.41545	mg/L	0.41545 mg/L
1	V 292.402	23236.2	24920.9	0.40050	mg/L	0.40050 mg/L
1	Tl 190.800	172.4	185.0	0.20254	mg/L	0.20254 mg/L
1	Zn 213.856	18452.8	19790.8	0.42410	mg/L	0.42410 mg/L
1	Na 330.237	5648.0	6057.5	20.780	mg/L	20.780 mg/L
1	Sr 407.771	14976.8	16062.7			
1	K 404.721	1628.6	1746.7	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	344546.3	344546.3	0.932	mg/L	
2	Ag 328.068	6414.8	6885.1	0.15753	mg/L	0.15753 mg/L
2	Al 308.215	62581.9	67170.6	19.077	mg/L	19.077 mg/L
2	As 193.696	77.5	83.2	0.18447	mg/L	0.18447 mg/L
2	B 249.773	9703.1	10414.6	0.41040	mg/L	0.41040 mg/L
2	Ba 233.527	12222.1	13118.3	0.40668	mg/L	0.40668 mg/L
2	Be 313.042	199143.7	213745.7	0.21263	mg/L	0.21263 mg/L
2	Ca 315.887	291375.2	312740.0	21.627	mg/L	21.627 mg/L
2	Cd 214.438	6041.8	6484.8	0.21223	mg/L	0.21223 mg/L
2	Co 238.892	9058.7	9723.0	0.41293	mg/L	0.41293 mg/L
2	Cr 267.716	22601.9	24259.2	0.40481	mg/L	0.40481 mg/L
2	Cu 324.754	45131.1	48440.3	0.36898	mg/L	0.36898 mg/L
2	Fe 234.349	233224.4	250325.3	21.182	mg/L	21.182 mg/L
2	K 766.491	5938457.6	6373889.8	21.741	mg/L	21.741 mg/L
2	Mo 202.030	1957.9	2101.4	0.40671	mg/L	0.40671 mg/L
2	Mn 257.610	69621.8	74726.7	0.39801	mg/L	0.39801 mg/L
2	Mg 279.079	39688.0	42598.1	20.171	mg/L	20.171 mg/L
2	Ni 231.604	2537.1	2723.2	0.39371	mg/L	0.39371 mg/L
2	Pb 220.353	942.0	1011.0	0.40074	mg/L	0.40074 mg/L
2	Sn 189.933	482.9	518.3	0.42537	mg/L	0.42537 mg/L
2	Se 196.026	393.4	422.2	0.41929	mg/L	0.41929 mg/L
2	Sb 206.833	337.4	362.1	0.41115	mg/L	0.41115 mg/L
2	V 292.402	23270.6	24976.9	0.40140	mg/L	0.40140 mg/L
2	Tl 190.800	170.5	183.0	0.20067	mg/L	0.20067 mg/L
2	Zn 213.856	18497.2	19853.5	0.42548	mg/L	0.42548 mg/L
2	Na 330.237	5662.8	6078.0	20.856	mg/L	20.856 mg/L
2	Sr 407.771	17146.4	18403.6			
2	K 404.721	1649.8	1770.8	0.00000	mg/L	0.00000 mg/L

Mean Data ----------

ID: RWMD Seq. No.: 42 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 8:56:53 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	344677.6	0.932	0.0005	mg/L				0.05%
Ag 328.068	6972.5	0.15955	0.002863	mg/L	0.15955	0.002863	mg/L	1.79%
Al 308.215	67138.1	19.068	0.0131	mg/L	19.068	0.0131	mg/L	0.07%
As 193.696	81.0	0.17863	0.008261	mg/L	0.17863	0.008261	mg/L	4.62%
B 249.773	10419.8	0.41061	0.000294	mg/L	0.41061	0.000294	mg/L	0.07%
Ba 233.527	13118.7	0.40670	0.000018	mg/L	0.40670	0.000018	mg/L	0.00%
Be 313.042	213756.7	0.21264	0.000016	mg/L	0.21264	0.000016	mg/L	0.01%
Ca 315.887	311757.8	21.560	0.0961	mg/L	21.560	0.0961	mg/L	0.45%
Cd 214.438	6492.8	0.21250	0.000378	mg/L	0.21250	0.000378	mg/L	0.18%
Co 238.892	9710.4	0.41240	0.000759	mg/L	0.41240	0.000759	mg/L	0.18%
Cr 267.716	24264.7	0.40490	0.000123	mg/L	0.40490	0.000123	mg/L	0.03%
Cu 324.754	48383.4	0.36853	0.000633	mg/L	0.36853	0.000633	mg/L	0.17%
Fe 234.349	250128.4	21.165	0.0236	mg/L	21.165	0.0236	mg/L	0.11%
K 766.491	6351996.9	21.667	0.1055	mg/L	21.667	0.1055	mg/L	0.49%
Mo 202.030	2090.3	0.40456	0.003032	mg/L	0.40456	0.003032	mg/L	0.75%
Mn 257.610	74655.5	0.39763	0.000537	mg/L	0.39763	0.000537	mg/L	0.14%
Mg 279.079	42571.5	20.158	0.0178	mg/L	20.158	0.0178	mg/L	0.09%
Ni 231.604	2719.0	0.39312	0.000844	mg/L	0.39312	0.000844	mg/L	0.21%
Pb 220.353	1014.0	0.40194	0.001699	mg/L	0.40194	0.001699	mg/L	0.42%
Sn 189.933	517.2	0.42450	0.001232	mg/L	0.42450	0.001232	mg/L	0.29%
Se 196.026	424.4	0.42156	0.003206	mg/L	0.42156	0.003206	mg/L	0.76%
Sb 206.833	363.9	0.41330	0.003044	mg/L	0.41330	0.003044	mg/L	0.74%
V 292.402	24948.9	0.40095	0.000633	mg/L	0.40095	0.000633	mg/L	0.16%
Tl 190.800	184.0	0.20160	0.001322	mg/L	0.20160	0.001322	mg/L	0.66%
Zn 213.856	19822.2	0.42479	0.000975	mg/L	0.42479	0.000975	mg/L	0.23%
Na 330.237	6067.8	20.818	0.0537	mg/L	20.818	0.0537	mg/L	0.26%
Sr 407.771	17233.1							9.61%
K 404.721	1758.7	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: 10809-3 Date: 11/18/96 9:00:02 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	202150.1	202150.1	0.547	mg/L		
1	Ag 328.068	153.6	281.0	0.00453	mg/L	0.00453	mg/L
1	Al 308.215	268.7	491.5	0.09334	mg/L	0.09334	mg/L
1	As 193.696	-21.8	-39.9	0.11888	mg/L	0.11888	mg/L
1	B 249.773	11461.1	20966.8	0.83368	mg/L	0.83368	mg/L
1	Ba 233.527	9757.8	17850.7	0.55329	mg/L	0.55329	mg/L
1	Be 313.042	823.0	1505.6	0.00095	mg/L	0.00095	mg/L
1	Ca 315.887	11664395.7	21338644.5	1475.5	mg/L	1475.5	mg/L
1	Cd 214.438	110.5	202.1	0.00213	mg/L	0.00213	mg/L
1	Co 238.892	48.3	88.3	0.00587	mg/L	0.00587	mg/L
1	Cr 267.716	1059.0	1937.3	0.02040	mg/L	0.02040	mg/L
1	Cu 324.754	1389.4	2541.8	0.00688	mg/L	0.00688	mg/L
1	Fe 234.349	48050.7	87903.1	7.4119	mg/L	7.4119	mg/L
1	K 766.491	Saturated					
1	Mo 202.030	21.5	39.3	0.00833	mg/L	0.00833	mg/L
1	Mn 257.610	80854.6	147913.9	0.78813	mg/L	0.78813	mg/L
1	Mg 279.079	716865.1	1311420.7	620.91	mg/L	620.91	mg/L
1	Ni 231.604	37.3	68.1	0.01010	mg/L	0.01010	mg/L
1	Pb 220.353	6.6	12.1	-0.00676	mg/L	-0.00676	mg/L
1	Sn 189.933	38.9	71.2	0.39762	mg/L	0.39762	mg/L
1	Se 196.026	-1.9	-3.5	-0.00126	mg/L	-0.00126	mg/L
1	Sb 206.833	14.1	25.8	0.27215	mg/L	0.27215	mg/L
1	V 292.402	-79.3	-145.0	-0.00032	mg/L	-0.00032	mg/L
1	Tl 190.800	17.9	32.8	0.05853	mg/L	0.05853	mg/L
1	Zn 213.856	900.0	1646.4	0.02557	mg/L	0.02557	mg/L
1	Na 330.237	3366924.3	6159393.2	22815	mg/L	22815	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-2842.4	-5199.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	199911.7	199911.7	0.541	mg/L		
2	Ag 328.068	59.0	109.2	0.00055	mg/L	0.00055	mg/L
2	Al 308.215	254.2	470.2	0.08727	mg/L	0.08727	mg/L
2	As 193.696	-18.8	-34.8	0.13470	mg/L	0.13470	mg/L
2	B 249.773	11323.6	20947.1	0.83289	mg/L	0.83289	mg/L
2	Ba 233.527	9727.6	17994.8	0.55776	mg/L	0.55776	mg/L
2	Be 313.042	804.1	1487.6	0.00093	mg/L	0.00093	mg/L
2	Ca 315.887	11654438.0	21559152.3	1490.8	mg/L	1490.8	mg/L
2	Cd 214.438	107.8	199.3	0.00204	mg/L	0.00204	mg/L
2	Co 238.892	41.0	75.9	0.00532	mg/L	0.00532	mg/L
2	Cr 267.716	1100.6	2036.0	0.02208	mg/L	0.02208	mg/L
2	Cu 324.754	1382.1	2556.7	0.00700	mg/L	0.00700	mg/L
2	Fe 234.349	47924.9	88654.6	7.4756	mg/L	7.4756	mg/L
2	K 766.491	Saturated					
2	Mo 202.030	10.7	19.7	0.00454	mg/L	0.00454	mg/L
2	Mn 257.610	80347.7	148632.6	0.79196	mg/L	0.79196	mg/L
2	Mg 279.079	715839.6	1324207.5	626.97	mg/L	626.97	mg/L
2	Ni 231.604	42.6	78.8	0.01164	mg/L	0.01164	mg/L
2	Pb 220.353	12.0	22.2	-0.00260	mg/L	-0.00260	mg/L
2	Sn 189.933	39.4	73.0	0.40250	mg/L	0.40250	mg/L
2	Se 196.026	5.2	9.7	0.01278	mg/L	0.01278	mg/L
2	Sb 206.833	17.5	32.4	0.28276	mg/L	0.28276	mg/L
2	V 292.402	-99.9	-184.8	-0.00096	mg/L	-0.00096	mg/L
2	Tl 190.800	6.7	12.3	0.03878	mg/L	0.03878	mg/L
2	Zn 213.856	900.8	1666.4	0.02600	mg/L	0.02600	mg/L
2	Na 330.237	3253252.1	6018081.6	22292	mg/L	22292	mg/L
2	Sr 407.771	Saturated					
2	K 404.721	-2696.2	-4987.7	0.00000	mg/L	0.00000	mg/L

Mean Data

ID: 10809-3 Seq. No.: 43 Sample No.: 0 A/S Pos: 0

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 9:00:02 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	201030.9	0.544	0.0043	mg/L				0.79%
Ag 328.068	195.1	0.00254	0.002814	mg/L	0.00254	0.002814	mg/L	110.60%
Al 308.215	480.9	0.09030	0.004291	mg/L	0.09030	0.004291	mg/L	4.75%
As 193.696	-37.4	0.12679	0.011185	mg/L	0.12679	0.011185	mg/L	8.82%
B 249.773	20956.9	0.83329	0.000558	mg/L	0.83329	0.000558	mg/L	0.07%

Ba 233.527	17922.7	0.55553	0.003157	mg/L	0.55553	0.003157 mg/L	0.57%
Be 313.042	1496.6	0.00094	0.000013	mg/L	0.00094	0.000013 mg/L	1.33%
Ca 315.887	21448898.4	1483.1	10.78	mg/L	1483.1	10.78 mg/L	0.73%
Cd [illegible].438	200.7	0.00209	0.000066	mg/L	0.00209	0.000066 mg/L	3.17%
Co [illegible].892	82.1	0.00560	0.000383	mg/L	0.00560	0.000383 mg/L	6.85%
Cr 267.716	1986.6	0.02124	0.001188	mg/L	0.02124	0.001188 mg/L	5.59%
Cu 324.754	2549.3	0.00694	0.000085	mg/L	0.00694	0.000085 mg/L	1.22%
Fe 234.349	88278.9	7.4437	0.04505	mg/L	7.4437	0.04505 mg/L	0.61%
K 766.491	Saturated						
Mo 202.030	29.5	0.00643	0.002674	mg/L	0.00643	0.002674 mg/L	41.55%
Mn 257.610	148273.3	0.79005	0.002709	mg/L	0.79005	0.002709 mg/L	0.34%
Mg 279.079	1317814.1	623.94	4.281	mg/L	623.94	4.281 mg/L	0.69%
Ni 231.604	73.5	0.01087	0.001093	mg/L	0.01087	0.001093 mg/L	10.06%
Pb 220.353	17.1	-0.00468	0.002944	mg/L	-0.00468	0.002944 mg/L	62.94%
Sn 189.933	72.1	0.40006	0.003445	mg/L	0.40006	0.003445 mg/L	0.86%
Se 196.026	3.1	0.00576	0.009928	mg/L	0.00576	0.009928 mg/L	172.49%
Sb 206.833	29.1	0.27745	0.007500	mg/L	0.27745	0.007500 mg/L	2.70%
V 292.402	-164.9	-0.00064	0.000450	mg/L	-0.00064	0.000450 mg/L	70.07%
Tl 190.800	22.5	0.04865	0.013967	mg/L	0.04865	0.013967 mg/L	28.71%
Zn 213.856	1656.4	0.02579	0.000310	mg/L	0.02579	0.000310 mg/L	1.20%
Na 330.237	6088737.4	22554	370.2	mg/L	22554	370.2 mg/L	1.64%
Sr 407.771	Saturated						
K 404.721	-5093.8	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: 10809-3D Date: 11/18/96 9:03:16 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	202563.7	202563.7	0.548	mg/L		
1	Ag 328.068	-243.6	-444.7	-0.01228	mg/L	-0.01228	mg/L
1	Al 308.215	251.9	459.9	0.08434	mg/L	0.08434	mg/L
1	As 193.696	-19.8	-36.2	0.12480	mg/L	0.12480	mg/L
1	B 249.773	11779.2	21504.7	0.85526	mg/L	0.85526	mg/L
1	Ba 233.527	9592.3	17512.1	0.54280	mg/L	0.54280	mg/L
1	Be 313.042	835.0	1524.5	0.00097	mg/L	0.00097	mg/L
1	Ca 315.887	11351638.3	20724086.6	1433.0	mg/L	1433.0	mg/L
1	Cd 214.438	106.8	195.0	0.00189	mg/L	0.00189	mg/L
1	Co 238.892	60.5	110.5	0.00678	mg/L	0.00678	mg/L
1	Cr 267.716	1214.5	2217.2	0.02519	mg/L	0.02519	mg/L
1	Cu 324.754	1463.9	2672.5	0.00792	mg/L	0.00792	mg/L
1	Fe 234.349	47081.5	85954.2	7.2466	mg/L	7.2466	mg/L
1	K 766.491	Saturated					
1	Mo 202.030	9.7	17.7	0.00414	mg/L	0.00414	mg/L
1	Mn 257.610	79679.2	145466.1	0.77508	mg/L	0.77508	mg/L
1	Mg 279.079	704286.2	1285778.1	608.77	mg/L	608.77	mg/L
1	Ni 231.604	29.4	53.7	0.00801	mg/L	0.00801	mg/L
1	Pb 220.353	6.1	11.2	-0.00712	mg/L	-0.00712	mg/L
1	Sn 189.933	36.1	65.9	0.38461	mg/L	0.38461	mg/L
1	Se 196.026	-0.0	-0.1	0.00200	mg/L	0.00200	mg/L
1	Sb 206.833	17.8	32.5	0.27304	mg/L	0.27304	mg/L
1	V 292.402	-124.6	-227.4	-0.00164	mg/L	-0.00164	mg/L
1	Tl 190.800	-2.4	-4.4	0.02254	mg/L	0.02254	mg/L
1	Zn 213.856	947.5	1729.9	0.02740	mg/L	0.02740	mg/L
1	Na 330.237	3514057.7	6415429.5	23764	mg/L	23764	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	-3034.4	-5539.7	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	203102.3	203102.3	0.549	mg/L		
2	Ag 328.068	-262.7	-478.3	-0.01306	mg/L	-0.01306	mg/L
2	Al 308.215	260.5	474.4	0.08846	mg/L	0.08846	mg/L
2	As 193.696	-24.7	-44.9	0.10093	mg/L	0.10093	mg/L
2	B 249.773	11930.1	21722.4	0.86399	mg/L	0.86399	mg/L
2	Ba 233.527	9592.2	17465.6	0.54136	mg/L	0.54136	mg/L
2	Be 313.042	838.9	1527.5	0.00097	mg/L	0.00097	mg/L
2	Ca 315.887	11329158.0	20628193.3	1426.4	mg/L	1426.4	mg/L
2	Cd 214.438	107.8	196.2	0.00194	mg/L	0.00194	mg/L
2	Co 238.892	54.7	99.5	0.00633	mg/L	0.00633	mg/L
2	Cr 267.716	1219.3	2220.1	0.02525	mg/L	0.02525	mg/L
2	Cu 324.754	1442.6	2626.7	0.00755	mg/L	0.00755	mg/L
2	Fe 234.349	46950.2	85487.2	7.2070	mg/L	7.2070	mg/L
2	K 766.491	Saturated					
2	Mo 202.030	19.2	35.0	0.00749	mg/L	0.00749	mg/L
2	Mn 257.610	79742.3	145195.1	0.77364	mg/L	0.77364	mg/L
2	Mg 279.079	704141.4	1282104.5	607.03	mg/L	607.03	mg/L

2 Ni 231.604	32.1	58.4	0.00868 mg/L	0.00868 mg/L	
2 Pb 220.353	15.0	27.3	-0.00051 mg/L	-0.00051 mg/L	
2 Sn 189.933	36.5	66.4	0.38368 mg/L	0.38368 mg/L	
2 Se 196.026	-2.9	-5.3	-0.00350 mg/L	-0.00350 mg/L	
2 Sb 206.833	18.6	33.8	0.27350 mg/L	0.27350 mg/L	
2 V 292.402	-96.9	-176.5	-0.00083 mg/L	-0.00083 mg/L	
2 Tl 190.800	0.7	1.3	0.02812 mg/L	0.02812 mg/L	
2 Zn 213.856	946.6	1723.7	0.02726 mg/L	0.02726 mg/L	
2 Na 330.237	3585621.4	6528719.3	24184 mg/L	24184 mg/L	
2 Sr 407.771	Saturated				
2 K 404.721	-3168.4	-5769.0	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: 10809-3D Seq. No.: 44 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:03:16 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	202833.0	0.548	0.0010	mg/L				0.19%
Ag 328.068	-461.5	-0.01267	0.000551	mg/L	-0.01267	0.000551	mg/L	4.35%
Al 308.215	467.1	0.08640	0.002914	mg/L	0.08640	0.002914	mg/L	3.37%
As 193.696	-40.6	0.11287	0.016880	mg/L	0.11287	0.016880	mg/L	14.96%
B 249.773	21613.5	0.85962	0.006174	mg/L	0.85962	0.006174	mg/L	0.72%
Ba 233.527	17488.9	0.54208	0.001020	mg/L	0.54208	0.001020	mg/L	0.19%
Be 313.042	1526.0	0.00097	0.000002	mg/L	0.00097	0.000002	mg/L	0.19%
Ca 315.887	20676140.0	1429.7	4.69	mg/L	1429.7	4.69	mg/L	0.33%
Cd 214.438	195.6	0.00192	0.000031	mg/L	0.00192	0.000031	mg/L	1.64%
Co 238.892	105.0	0.00656	0.000316	mg/L	0.00656	0.000316	mg/L	4.82%
Cr 267.716	2218.6	0.02522	0.000044	mg/L	0.02522	0.000044	mg/L	0.17%
Cu 324.754	2649.6	0.00774	0.000257	mg/L	0.00774	0.000257	mg/L	3.33%
Fe 234.349	85720.7	7.2268	0.02799	mg/L	7.2268	0.02799	mg/L	0.39%
K 766.491	Saturated							
Mo 202.030	26.3	0.00582	0.002372	mg/L	0.00582	0.002372	mg/L	40.78%
Mn 257.610	145330.6	0.77436	0.001021	mg/L	0.77436	0.001021	mg/L	0.13%
Mg 279.079	1283941.3	607.90	1.230	mg/L	607.90	1.230	mg/L	0.20%
Ni 231.604	56.1	0.00835	0.000474	mg/L	0.00835	0.000474	mg/L	5.68%
Pb 220.353	19.2	-0.00381	0.004672	mg/L	-0.00381	0.004672	mg/L	122.52%
Sn 189.933	66.1	0.38415	0.000663	mg/L	0.38415	0.000663	mg/L	0.17%
Se 196.026	-2.7	-0.00075	0.003890	mg/L	-0.00075	0.003890	mg/L	516.38%
Sb 206.833	33.2	0.27327	0.000321	mg/L	0.27327	0.000321	mg/L	0.12%
V 292.402	-202.0	-0.00123	0.000576	mg/L	-0.00123	0.000576	mg/L	46.65%
Tl 190.800	-1.6	0.02533	0.003943	mg/L	0.02533	0.003943	mg/L	15.57%
Zn 213.856	1726.8	0.02733	0.000097	mg/L	0.02733	0.000097	mg/L	0.35%
Na 330.237	6472074.4	23974	296.8	mg/L	23974	296.8	mg/L	1.24%
Sr 407.771	Saturated							
K 404.721	-5654.4	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 10809-3L Date: 11/18/96 9:06:33 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	273167.1	273167.1	0.739	mg/L		
1	Ag 328.068	-45.1	-61.1	-0.00339	mg/L	-0.01695	mg/L
1	Al 308.215	212.7	287.9	0.03536	mg/L	0.17678	mg/L
1	As 193.696	-18.3	-24.8	-0.02953	mg/L	-0.14765	mg/L
1	B 249.773	3261.4	4415.2	0.16975	mg/L	0.84873	mg/L
1	Ba 233.527	2795.9	3785.1	0.11754	mg/L	0.58772	mg/L
1	Be 313.042	777.7	1052.9	0.00050	mg/L	0.00250	mg/L
1	Ca 315.887	3815610.7	5165521.2	357.18	mg/L	1785.9	mg/L
1	Cd 214.438	118.8	160.8	0.00075	mg/L	0.00373	mg/L
1	Co 238.892	-30.9	-41.8	0.00036	mg/L	0.00181	mg/L
1	Cr 267.716	1084.5	1468.2	0.01233	mg/L	0.06167	mg/L
1	Cu 324.754	1755.8	2376.9	0.00559	mg/L	0.02794	mg/L
1	Fe 234.349	15025.9	20341.9	1.6841	mg/L	8.4204	mg/L
1	K 766.491	4755406.6	6437804.0	21.959	mg/L	109.79	mg/L
1	Mo 202.030	4.7	6.3	0.00195	mg/L	0.00975	mg/L
1	Mn 257.610	23705.6	32092.4	0.17075	mg/L	0.85376	mg/L
1	Mg 279.079	222076.0	300643.4	142.34	mg/L	711.72	mg/L
1	Ni 231.604	22.8	30.9	0.00471	mg/L	0.02355	mg/L
1	Pb 220.353	23.8	32.2	0.00159	mg/L	0.00795	mg/L
1	Sn 189.933	21.7	29.3	0.10028	mg/L	0.50139	mg/L
1	Se 196.026	-2.5	-3.4	-0.01461	mg/L	-0.07304	mg/L
1	Sb 206.833	21.3	28.8	0.06924	mg/L	0.34621	mg/L

1	V 292.402	-204.0	-276.2	-0.00242 mg/L	-0.01211 mg/L
1	Tl 190.800	-10.0	-13.5	0.01135 mg/L	0.05677 mg/L
1	Zn 213.856	652.8	883.7	0.00881 mg/L	0.04407 mg/L
1	Na 330.237	955726.8	1293849.8	4791.3 mg/L	23957 mg/L
1	Sr 407.771	Saturated			
1	K 404.721	2909.5	3938.9	0.00000 mg/L	0.00000 mg/L
2	Y 324.228	275717.4	275717.4	0.746 mg/L	
2	Ag 328.068	-34.4	-46.1	-0.00304 mg/L	-0.01522 mg/L
2	Al 308.215	220.8	296.2	0.03771 mg/L	0.18856 mg/L
2	As 193.696	-18.1	-24.2	-0.02825 mg/L	-0.14123 mg/L
2	B 249.773	3270.4	4386.5	0.16859 mg/L	0.84296 mg/L
2	Ba 233.527	2807.7	3765.9	0.11695 mg/L	0.58474 mg/L
2	Be 313.042	779.3	1045.2	0.00049 mg/L	0.00246 mg/L
2	Ca 315.887	3838606.4	5148585.6	356.01 mg/L	1780.1 mg/L
2	Cd 214.438	118.7	159.3	0.00069 mg/L	0.00347 mg/L
2	Co 238.892	-25.4	-34.1	0.00069 mg/L	0.00343 mg/L
2	Cr 267.716	1055.1	1415.1	0.01142 mg/L	0.05711 mg/L
2	Cu 324.754	1763.4	2365.2	0.00549 mg/L	0.02747 mg/L
2	Fe 234.349	15063.7	20204.4	1.6724 mg/L	8.3621 mg/L
2	K 766.491	4848766.7	6503477.5	22.183 mg/L	110.91 mg/L
2	Mo 202.030	3.3	4.4	0.00159 mg/L	0.00794 mg/L
2	Mn 257.610	23845.3	31982.9	0.17017 mg/L	0.85084 mg/L
2	Mg 279.079	223463.0	299723.0	141.91 mg/L	709.54 mg/L
2	Ni 231.604	16.3	21.8	0.00340 mg/L	0.01700 mg/L
2	Pb 220.353	25.7	34.5	0.00253 mg/L	0.01264 mg/L
2	Sn 189.933	24.3	32.6	0.10264 mg/L	0.51320 mg/L
2	Se 196.026	3.1	4.2	-0.00659 mg/L	-0.03295 mg/L
2	Sb 206.833	19.4	26.1	0.06578 mg/L	0.32889 mg/L
2	V 292.402	-204.0	-273.6	-0.00238 mg/L	-0.01190 mg/L
2	Tl 190.800	-7.5	-10.0	0.01466 mg/L	0.07329 mg/L
2	Zn 213.856	656.4	880.4	0.00874 mg/L	0.04371 mg/L
2	Na 330.237	966274.1	1296028.9	4799.4 mg/L	23997 mg/L
2	Sr 407.771	Saturated			
2	K 404.721	2975.4	3990.8	0.00000 mg/L	0.00000 mg/L

Mean Data ----------

ID: 10809-3L Seq. No.: 45 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Reprocessed Date: 11/18/96 9:06:33 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	274442.2	0.742	0.0049	mg/L				0.66%
Ag 328.068	-53.6	-0.00322	0.000245	mg/L	-0.01609	0.001223	mg/L	7.60%
Al 308.215	292.0	0.03653	0.001666	mg/L	0.18267	0.008329	mg/L	4.56%
As 193.696	-24.5	-0.02889	0.000908	mg/L	-0.14444	0.004541	mg/L	3.14%
B 249.773	4400.9	0.16917	0.000816	mg/L	0.84584	0.004080	mg/L	0.48%
Ba 233.527	3775.5	0.11725	0.000421	mg/L	0.58623	0.002104	mg/L	0.36%
Be 313.042	1049.1	0.00050	0.000005	mg/L	0.00248	0.000027	mg/L	1.09%
Ca 315.887	5157053.4	356.60	0.828	mg/L	1783.0	4.14	mg/L	0.23%
Cd 214.438	160.0	0.00072	0.000037	mg/L	0.00360	0.000184	mg/L	5.12%
Co 238.892	-38.0	0.00052	0.000229	mg/L	0.00262	0.001146	mg/L	43.75%
Cr 267.716	1441.7	0.01188	0.000645	mg/L	0.05939	0.003227	mg/L	5.43%
Cu 324.754	2371.1	0.00554	0.000065	mg/L	0.02770	0.000326	mg/L	1.18%
Fe 234.349	20273.2	1.6783	0.00624	mg/L	8.3913	0.04121	mg/L	0.49%
K 766.491	6470640.8	22.071	0.1582	mg/L	110.35	0.791	mg/L	0.72%
Mo 202.030	5.4	0.00177	0.000255	mg/L	0.00885	0.001274	mg/L	14.40%
Mn 257.610	32037.6	0.17046	0.000413	mg/L	0.85230	0.002064	mg/L	0.24%
Mg 279.079	300183.2	142.13	0.308	mg/L	710.63	1.541	mg/L	0.22%
Ni 231.604	26.3	0.00405	0.000926	mg/L	0.02027	0.004630	mg/L	22.84%
Pb 220.353	33.3	0.00206	0.000663	mg/L	0.01030	0.003314	mg/L	32.19%
Sn 189.933	31.0	0.10146	0.001670	mg/L	0.50729	0.008352	mg/L	1.65%
Se 196.026	0.4	-0.01060	0.005670	mg/L	-0.05300	0.028349	mg/L	53.49%
Sb 206.833	27.5	0.06751	0.002449	mg/L	0.33755	0.012245	mg/L	3.63%
V 292.402	-274.9	-0.00240	0.000029	mg/L	-0.01200	0.000146	mg/L	1.21%
Tl 190.800	-11.8	0.01301	0.002337	mg/L	0.06503	0.011684	mg/L	17.97%
Zn 213.856	882.1	0.00878	0.000051	mg/L	0.04389	0.000254	mg/L	0.58%
Na 330.237	1294939.3	4795.4	5.71	mg/L	23977	28.5	mg/L	0.12%
Sr 407.771	Saturated							
K 404.721	3964.8	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 10809-1 Date: 11/18/96 9:09:54 AM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Y 324.228	260907.8	260907.8	0.706	mg/L		
1	Ag 328.068	-256.8	-364.0	-0.01041	mg/L	-0.01041	mg/L
1	Al 308.215	789.6	1119.2	0.27203	mg/L	0.27203	mg/L
1	As 193.696	11.6	16.5	-0.02982	mg/L	-0.02982	mg/L
1	B 249.773	3078.7	4363.7	0.16768	mg/L	0.16768	mg/L
1	Ba 233.527	6013.7	8523.7	0.26435	mg/L	0.26435	mg/L
1	Be 313.042	1018.5	1443.6	0.00080	mg/L	0.00080	mg/L
1	Ca 315.887	11907672.0	16877895.1	1167.1	mg/L	1167.1	mg/L
1	Cd 214.438	113.1	160.3	0.00073	mg/L	0.00073	mg/L
1	Co 238.892	16.2	22.9	0.00312	mg/L	0.00312	mg/L
1	Cr 267.716	1428.1	2024.2	0.02190	mg/L	0.02190	mg/L
1	Cu 324.754	1594.8	2260.5	0.00475	mg/L	0.00475	mg/L
1	Fe 234.349	14026.7	19881.4	1.6450	mg/L	1.6450	mg/L
1	K 766.491	11161537.7	15820326.8	53.922	mg/L	53.922	mg/L
1	Mo 202.030	31.5	44.7	0.00944	mg/L	0.00944	mg/L
1	Mn 257.610	28136.8	39881.0	0.21227	mg/L	0.21227	mg/L
1	Mg 279.079	21392.5	30321.7	14.356	mg/L	14.356	mg/L
1	Ni 231.604	151.5	214.8	0.03128	mg/L	0.03128	mg/L
1	Pb 220.353	5.9	8.4	-0.00819	mg/L	-0.00819	mg/L
1	Sn 189.933	31.8	45.1	0.20327	mg/L	0.20327	mg/L
1	Se 196.026	18.9	26.8	0.01282	mg/L	0.01282	mg/L
1	Sb 206.833	20.3	28.7	0.15915	mg/L	0.15915	mg/L
1	V 292.402	8545.5	12112.4	0.19568	mg/L	0.19568	mg/L
1	Tl 190.800	-15.2	-21.5	0.00390	mg/L	0.00390	mg/L
1	Zn 213.856	918.4	1301.7	0.01800	mg/L	0.01800	mg/L
1	Na 330.237	779752.9	1105219.2	4092.6	mg/L	4092.6	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	330.1	467.9	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	262166.5	262166.5	0.709	mg/L		
2	Ag 328.068	-246.0	-347.0	-0.01001	mg/L	-0.01001	mg/L
2	Al 308.215	780.3	1100.6	0.26674	mg/L	0.26674	mg/L
2	As 193.696	13.2	18.6	-0.02391	mg/L	-0.02391	mg/L
2	B 249.773	3093.0	4362.9	0.16765	mg/L	0.16765	mg/L
2	Ba 233.527	6017.5	8488.2	0.26325	mg/L	0.26325	mg/L
2	Be 313.042	1014.2	1430.6	0.00079	mg/L	0.00079	mg/L
2	Ca 315.887	11914492.0	16806482.7	1162.1	mg/L	1162.1	mg/L
2	Cd 214.438	111.5	157.3	0.00063	mg/L	0.00063	mg/L
2	Co 238.892	18.4	25.9	0.00325	mg/L	0.00325	mg/L
2	Cr 267.716	1431.8	2019.7	0.02182	mg/L	0.02182	mg/L
2	Cu 324.754	1573.3	2219.2	0.00442	mg/L	0.00442	mg/L
2	Fe 234.349	14050.1	19818.9	1.6397	mg/L	1.6397	mg/L
2	K 766.491	11096659.8	15652855.4	53.351	mg/L	53.351	mg/L
2	Mo 202.030	30.8	43.5	0.00921	mg/L	0.00921	mg/L
2	Mn 257.610	28157.4	39718.6	0.21140	mg/L	0.21140	mg/L
2	Mg 279.079	21359.7	30129.8	14.266	mg/L	14.266	mg/L
2	Ni 231.604	150.3	211.9	0.03087	mg/L	0.03087	mg/L
2	Pb 220.353	13.6	19.1	-0.00380	mg/L	-0.00380	mg/L
2	Sn 189.933	29.7	41.9	0.19994	mg/L	0.19994	mg/L
2	Se 196.026	18.6	26.3	0.01226	mg/L	0.01226	mg/L
2	Sb 206.833	17.8	25.1	0.15416	mg/L	0.15416	mg/L
2	V 292.402	8432.3	11894.5	0.19220	mg/L	0.19220	mg/L
2	Tl 190.800	-15.8	-22.3	0.00315	mg/L	0.00315	mg/L
2	Zn 213.856	913.5	1288.5	0.01771	mg/L	0.01771	mg/L
2	Na 330.237	780901.8	1101533.5	4078.9	mg/L	4078.9	mg/L
2	Sr 407.771	Saturated					
2	K 404.721	283.7	400.2	0.00000	mg/L	0.00000	mg/L

Mean Data ----------

ID: 10809-1 Seq. No.: 46 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:09:54 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 324.228	261537.1	0.707	0.0024	mg/L				0.34%
Ag 328.068	-355.5	-0.01021	0.000279	mg/L	-0.01021	0.000279	mg/L	2.73%
Al 308.215	1109.9	0.26938	0.003738	mg/L	0.26938	0.003738	mg/L	1.39%
As 193.696	17.6	-0.02686	0.004180	mg/L	-0.02686	0.004180	mg/L	15.56%
B 249.773	4363.3	0.16766	0.000023	mg/L	0.16766	0.000023	mg/L	0.01%
Ba 233.527	8506.0	0.26380	0.000778	mg/L	0.26380	0.000778	mg/L	0.29%
Be 313.042	1437.1	0.00079	0.000008	mg/L	0.00079	0.000008	mg/L	1.01%
Ca 315.887	16842188.9	1164.6	3.49	mg/L	1164.6	3.49	mg/L	0.30%
Cd 214.438	158.8	0.00068	0.000069	mg/L	0.00068	0.000069	mg/L	10.16%

Co 238.892	24.4	0.00319	0.000088	mg/L	0.00319	0.000088 mg/L	2.77%
Cr 267.716	2021.9	0.02186	0.000055	mg/L	0.02186	0.000055 mg/L	0.25%
Cu 324.754	2239.9	0.00459	0.000231	mg/L	0.00459	0.000231 mg/L	5.04%
Fe [illegible].349	19850.2	1.6424	0.00375	mg/L	1.6424	0.00375 mg/L	0.23%
K [illegible].491	15736591.1	53.636	0.4034	mg/L	53.636	0.4034 mg/L	0.75%
Mo 202.030	44.1	0.00933	0.000166	mg/L	0.00933	0.000166 mg/L	1.78%
Mn 257.610	39799.8	0.21184	0.000612	mg/L	0.21184	0.000612 mg/L	0.29%
Mg 279.079	30225.8	14.311	0.0642	mg/L	14.311	0.0642 mg/L	0.45%
Ni 231.604	213.4	0.03108	0.000290	mg/L	0.03108	0.000290 mg/L	0.93%
Pb 220.353	13.8	-0.00600	0.003106	mg/L	-0.00600	0.003106 mg/L	51.80%
Sn 189.933	43.5	0.20160	0.002356	mg/L	0.20160	0.002356 mg/L	1.17%
Se 196.026	26.5	0.01254	0.000395	mg/L	0.01254	0.000395 mg/L	3.15%
Sb 206.833	26.9	0.15665	0.003528	mg/L	0.15665	0.003528 mg/L	2.25%
V 292.402	12003.5	0.19394	0.002463	mg/L	0.19394	0.002463 mg/L	1.27%
Tl 190.800	-21.9	0.00352	0.000530	mg/L	0.00352	0.000530 mg/L	15.06%
Zn 213.856	1295.1	0.01785	0.000205	mg/L	0.01785	0.000205 mg/L	1.15%
Na 330.237	1103376.4	4085.7	9.65	mg/L	4085.7	9.65 mg/L	0.24%
Sr 407.771	Saturated						
K 404.721	434.0	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: 10809-4 Date: 11/18/96 9:13:18 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	242658.6	242658.6	0.656	mg/L		
1	Ag 328.068	-612.2	-933.0	-0.02359	mg/L	-0.02359	mg/L
1	Al 308.215	283.3	431.7	0.07639	mg/L	0.07639	mg/L
1	As 193.696	-17.2	-26.2	0.28509	mg/L	0.28509	mg/L
1	B 249.773	14226.9	21681.7	0.86236	mg/L	0.86236	mg/L
1	Ba 233.527	3164.4	4822.6	0.14968	mg/L	0.14968	mg/L
1	Be 313.042	952.5	1451.7	0.00089	mg/L	0.00089	mg/L
1	Ca 315.887	20925750.6	31890686.0	2205.1	mg/L	2205.1	mg/L
1	Cd 214.438	158.1	240.9	0.00343	mg/L	0.00343	mg/L
1	Co 238.892	736.0	1121.7	0.04928	mg/L	0.04928	mg/L
1	Cr 267.716	1498.4	2283.5	0.02632	mg/L	0.02632	mg/L
1	Cu 324.754	1688.7	2573.6	0.00714	mg/L	0.00714	mg/L
1	Fe 234.349	385803.7	587961.9	49.806	mg/L	49.806	mg/L
1	K 766.491	8350344.5	12725862.1	43.380	mg/L	43.380	mg/L
1	Mo 202.030	3.0	4.5	0.00160	mg/L	0.00160	mg/L
1	Mn 257.610	185170.8	282198.8	1.5039	mg/L	1.5039	mg/L
1	Mg 279.079	1316496.8	2006331.3	949.93	mg/L	949.93	mg/L
1	Ni 231.604	12.6	19.2	0.00303	mg/L	0.00303	mg/L
1	Pb 220.353	18.2	27.7	-0.00048	mg/L	-0.00048	mg/L
1	Sn 189.933	53.0	80.8	0.58747	mg/L	0.58747	mg/L
1	Se 196.026	-2.2	-3.4	-0.00332	mg/L	-0.00332	mg/L
1	Sb 206.833	21.7	33.1	0.42031	mg/L	0.42031	mg/L
1	V 292.402	252.7	385.2	0.00815	mg/L	0.00815	mg/L
1	Tl 190.800	23.5	35.8	0.06426	mg/L	0.06426	mg/L
1	Zn 213.856	1481.9	2258.5	0.03901	mg/L	0.03901	mg/L
1	Na 330.237	728886.5	1110817.5	4113.3	mg/L	4113.3	mg/L
1	Sr 407.771	Saturated					
1	K 404.721	442.5	674.4	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	239461.8	239461.8	0.648	mg/L		
2	Ag 328.068	-615.8	-951.1	-0.02401	mg/L	-0.02401	mg/L
2	Al 308.215	293.7	453.6	0.08263	mg/L	0.08263	mg/L
2	As 193.696	-8.1	-12.5	0.32429	mg/L	0.32429	mg/L
2	B 249.773	13977.4	21585.8	0.85851	mg/L	0.85851	mg/L
2	Ba 233.527	3165.5	4888.6	0.15173	mg/L	0.15173	mg/L
2	Be 313.042	959.9	1482.3	0.00092	mg/L	0.00092	mg/L
2	Ca 315.887	21155946.0	32671915.8	2259.2	mg/L	2259.2	mg/L
2	Cd 214.438	159.9	246.9	0.00363	mg/L	0.00363	mg/L
2	Co 238.892	772.3	1192.7	0.05227	mg/L	0.05227	mg/L
2	Cr 267.716	1478.5	2283.3	0.02632	mg/L	0.02632	mg/L
2	Cu 324.754	1647.8	2544.8	0.00692	mg/L	0.00692	mg/L
2	Fe 234.349	384872.3	594372.6	50.350	mg/L	50.350	mg/L
2	K 766.491	8085742.7	12487113.8	42.567	mg/L	42.567	mg/L
2	Mo 202.030	2.0	3.0	0.00132	mg/L	0.00132	mg/L
2	Mn 257.610	182033.4	281120.9	1.4982	mg/L	1.4982	mg/L
2	Mg 279.079	1313914.7	2029127.5	960.73	mg/L	960.73	mg/L
2	Ni 231.604	15.1	23.3	0.00361	mg/L	0.00361	mg/L
2	Pb 220.353	15.5	23.9	-0.00201	mg/L	-0.00201	mg/L
2	Sn 189.933	49.8	76.9	0.59448	mg/L	0.59448	mg/L
2	Se 196.026	12.8	19.8	0.02123	mg/L	0.02123	mg/L

2	Sb 206.833	15.2	23.4	0.41728 mg/L	0.41728 mg/L	
2	V 292.402	222.2	343.2	0.00748 mg/L	0.00748 mg/L	
2	Tl 190.800	19.7	30.4	0.05902 mg/L	0.05902 mg/L	
2	Zn 213.856	1498.0	2313.4	0.04022 mg/L	0.04022 mg/L	
2	Na 330.237	715102.2	1104359.0	4089.4 mg/L	4089.4 mg/L	
2	Sr 407.771	Saturated				
2	K 404.721	430.1	664.3	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: 10809-4 Seq. No.: 47 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:13:18 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	241060.2	0.652	0.0061	mg/L				0.94%
Ag 328.068	-942.0	-0.02380	0.000296	mg/L	-0.02380	0.000296	mg/L	1.24%
Al 308.215	442.6	0.07951	0.004407	mg/L	0.07951	0.004407	mg/L	5.54%
As 193.696	-19.3	0.30469	0.027713	mg/L	0.30469	0.027713	mg/L	9.10%
B 249.773	21633.7	0.86043	0.002722	mg/L	0.86043	0.002722	mg/L	0.32%
Ba 233.527	4855.6	0.15071	0.001448	mg/L	0.15071	0.001448	mg/L	0.96%
Be 313.042	1467.0	0.00091	0.000022	mg/L	0.00091	0.000022	mg/L	2.41%
Ca 315.887	32281300.9	2232.2	38.20	mg/L	2232.2	38.20	mg/L	1.71%
Cd 214.438	243.9	0.00353	0.000141	mg/L	0.00353	0.000141	mg/L	4.00%
Co 238.892	1157.2	0.05078	0.002110	mg/L	0.05078	0.002110	mg/L	4.16%
Cr 267.716	2283.4	0.02632	0.000004	mg/L	0.02632	0.000004	mg/L	0.01%
Cu 324.754	2559.2	0.00703	0.000161	mg/L	0.00703	0.000161	mg/L	2.29%
Fe 234.349	591167.3	50.078	0.3843	mg/L	50.078	0.3843	mg/L	0.77%
K 766.491	12606488.0	42.973	0.5751	mg/L	42.973	0.5751	mg/L	1.34%
Mo 202.030	3.8	0.00146	0.000202	mg/L	0.00146	0.000202	mg/L	13.80%
Mn 257.610	281659.9	1.5011	0.00406	mg/L	1.5011	0.00406	mg/L	0.27%
Mg 279.079	2017729.4	955.33	7.632	mg/L	955.33	7.632	mg/L	0.80%
Ni 231.604	21.3	0.00332	0.000411	mg/L	0.00332	0.000411	mg/L	12.37%
Pb 220.353	25.8	-0.00124	0.001080	mg/L	-0.00124	0.001080	mg/L	86.78%
Sn 189.933	78.9	0.59098	0.004960	mg/L	0.59098	0.004960	mg/L	0.84%
Se 196.026	8.2	0.00896	0.017362	mg/L	0.00896	0.017362	mg/L	193.85%
Sb 206.833	28.3	0.41880	0.002139	mg/L	0.41880	0.002139	mg/L	0.51%
V 292.402	364.2	0.00782	0.000474	mg/L	0.00782	0.000474	mg/L	6.07%
Tl 190.800	33.1	0.06164	0.003710	mg/L	0.06164	0.003710	mg/L	6.02%
Zn 213.856	2285.9	0.03961	0.000853	mg/L	0.03961	0.000853	mg/L	2.15%
Na 330.237	1107588.3	4101.3	16.92	mg/L	4101.3	16.92	mg/L	0.41%
Sr 407.771		Saturated						
K 404.721	669.3	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: 10809-5 Date: 11/18/96 9:16:38 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	236902.2	236902.2	0.641	mg/L		
1	Ag 328.068	-649.6	-1014.0	-0.02547	mg/L	-0.02547	mg/L
1	Al 308.215	298.2	465.5	0.08603	mg/L	0.08603	mg/L
1	As 193.696	-14.9	-23.3	0.29987	mg/L	0.29987	mg/L
1	B 249.773	13813.1	21562.6	0.85758	mg/L	0.85758	mg/L
1	Ba 233.527	3169.1	4947.0	0.15354	mg/L	0.15354	mg/L
1	Be 313.042	939.8	1467.0	0.00091	mg/L	0.00091	mg/L
1	Ca 315.887	21166825.6	33041910.5	2284.8	mg/L	2284.8	mg/L
1	Cd 214.438	166.8	260.4	0.00408	mg/L	0.00408	mg/L
1	Co 238.892	808.6	1262.2	0.05520	mg/L	0.05520	mg/L
1	Cr 267.716	1493.7	2331.6	0.02715	mg/L	0.02715	mg/L
1	Cu 324.754	1621.3	2531.0	0.00681	mg/L	0.00681	mg/L
1	Fe 234.349	415357.7	648383.2	54.929	mg/L	54.929	mg/L
1	K 766.491	8486166.4	13247104.5	45.156	mg/L	45.156	mg/L
1	Mo 202.030	8.3	12.9	0.00322	mg/L	0.00322	mg/L
1	Mn 257.610	179418.5	280076.5	1.4926	mg/L	1.4926	mg/L
1	Mg 279.079	1315609.6	2053697.5	972.36	mg/L	972.36	mg/L
1	Ni 231.604	15.3	23.8	0.00369	mg/L	0.00369	mg/L
1	Pb 220.353	8.4	13.1	-0.00645	mg/L	-0.00645	mg/L
1	Sn 189.933	50.9	79.5	0.60348	mg/L	0.60348	mg/L
1	Se 196.026	-2.5	-3.8	-0.00460	mg/L	-0.00460	mg/L
1	Sb 206.833	15.9	24.8	0.42407	mg/L	0.42407	mg/L
1	V 292.402	286.4	447.0	0.00914	mg/L	0.00914	mg/L
1	Tl 190.800	25.0	39.0	0.06727	mg/L	0.06727	mg/L
1	Zn 213.856	1355.2	2115.6	0.03587	mg/L	0.03587	mg/L
1	Na 330.237	732612.8	1143625.7	4234.8	mg/L	4234.8	mg/L

1	Sr 407.771	Saturated				
1	K 404.721	233.1	363.9	0.00000	mg/L	0.00000 mg/L
2	Y 324.228	241246.8	241246.8	0.652	mg/L	
2	Ag 328.068	-644.0	-987.1	-0.02484	mg/L	-0.02484 mg/L
2	Al 308.215	280.8	430.4	0.07603	mg/L	0.07603 mg/L
2	As 193.696	-15.2	-23.3	0.29284	mg/L	0.29284 mg/L
2	B 249.773	14154.1	21696.9	0.86297	mg/L	0.86297 mg/L
2	Ba 233.527	3189.2	4888.7	0.15173	mg/L	0.15173 mg/L
2	Be 313.042	944.4	1447.7	0.00089	mg/L	0.00089 mg/L
2	Ca 315.887	21360709.5	32744059.5	2264.2	mg/L	2264.2 mg/L
2	Cd 214.438	171.0	262.1	0.00414	mg/L	0.00414 mg/L
2	Co 238.892	772.3	1183.9	0.05190	mg/L	0.05190 mg/L
2	Cr 267.716	1445.4	2215.6	0.02516	mg/L	0.02516 mg/L
2	Cu 324.754	1657.0	2540.0	0.00688	mg/L	0.00688 mg/L
2	Fe 234.349	416267.1	638100.3	54.057	mg/L	54.057 mg/L
2	K 766.491	7943955.3	12177373.9	41.511	mg/L	41.511 mg/L
2	Mo 202.030	6.0	9.3	0.00252	mg/L	0.00252 mg/L
2	Mn 257.610	181759.4	278620.9	1.4849	mg/L	1.4849 mg/L
2	Mg 279.079	1318084.9	2020506.5	956.65	mg/L	956.65 mg/L
2	Ni 231.604	10.7	16.4	0.00262	mg/L	0.00262 mg/L
2	Pb 220.353	10.9	16.7	-0.00499	mg/L	-0.00499 mg/L
2	Sn 189.933	50.0	76.7	0.59482	mg/L	0.59482 mg/L
2	Se 196.026	11.4	17.5	0.01756	mg/L	0.01756 mg/L
2	Sb 206.833	17.4	26.6	0.42148	mg/L	0.42148 mg/L
2	V 292.402	271.1	415.6	0.00864	mg/L	0.00864 mg/L
2	Tl 190.800	17.4	26.6	0.05533	mg/L	0.05533 mg/L
2	Zn 213.856	1341.1	2055.9	0.03456	mg/L	0.03456 mg/L
2	Na 330.237	719979.9	1103664.8	4086.8	mg/L	4086.8 mg/L
2	Sr 407.771	Saturated				
2	K 404.721	133.0	203.9	0.00000	mg/L	0.00000 mg/L

Mean Data ----------

ID: 10809-5 Seq. No.: 48 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:16:38 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	239074.5	0.646	0.0083	mg/L				1.29%
Ag 328.068	-1000.6	-0.02515	0.000441	mg/L	-0.02515	0.000441	mg/L	1.75%
Al 308.215	447.9	0.08103	0.007072	mg/L	0.08103	0.007072	mg/L	8.73%
As 193.696	-23.3	0.29636	0.004970	mg/L	0.29636	0.004970	mg/L	1.68%
B 249.773	21629.8	0.86027	0.003812	mg/L	0.86027	0.003812	mg/L	0.44%
Ba 233.527	4917.8	0.15264	0.001276	mg/L	0.15264	0.001276	mg/L	0.84%
Be 313.042	1457.4	0.00090	0.000013	mg/L	0.00090	0.000013	mg/L	1.50%
Ca 315.887	32892985.0	2274.5	14.56	mg/L	2274.5	14.56	mg/L	0.64%
Cd 214.438	261.3	0.00411	0.000040	mg/L	0.00411	0.000040	mg/L	0.97%
Co 238.892	1223.0	0.05355	0.002332	mg/L	0.05355	0.002332	mg/L	4.35%
Cr 267.716	2273.6	0.02616	0.001409	mg/L	0.02616	0.001409	mg/L	5.39%
Cu 324.754	2535.5	0.00684	0.000051	mg/L	0.00684	0.000051	mg/L	0.74%
Fe 234.349	643241.7	54.493	0.6164	mg/L	54.493	0.6164	mg/L	1.13%
K 766.491	12712239.2	43.334	2.5768	mg/L	43.334	2.5768	mg/L	5.95%
Mo 202.030	11.1	0.00287	0.000497	mg/L	0.00287	0.000497	mg/L	17.28%
Mn 257.610	279348.7	1.4887	0.00549	mg/L	1.4887	0.00549	mg/L	0.37%
Mg 279.079	2037102.0	964.50	11.112	mg/L	964.50	11.112	mg/L	1.15%
Ni 231.604	20.1	0.00315	0.000756	mg/L	0.00315	0.000756	mg/L	23.97%
Pb 220.353	14.9	-0.00572	0.001035	mg/L	-0.00572	0.001035	mg/L	18.11%
Sn 189.933	78.1	0.59915	0.006120	mg/L	0.59915	0.006120	mg/L	1.02%
Se 196.026	6.8	0.00648	0.015666	mg/L	0.00648	0.015666	mg/L	241.73%
Sb 206.833	25.7	0.42277	0.001829	mg/L	0.42277	0.001829	mg/L	0.43%
V 292.402	431.3	0.00889	0.000356	mg/L	0.00889	0.000356	mg/L	4.00%
Tl 190.800	32.8	0.06130	0.008442	mg/L	0.06130	0.008442	mg/L	13.77%
Zn 213.856	2085.7	0.03522	0.000927	mg/L	0.03522	0.000927	mg/L	2.63%
Na 330.237	1123645.2	4160.8	104.67	mg/L	4160.8	104.67	mg/L	2.52%
Sr 407.771	Saturated							
K 404.721	283.9	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

CRI Date: 11/18/96 9:19:50 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	360606.9	360606.9	0.975	mg/L		
1	Ag 328.068	906.7	929.9	0.01957	mg/L	0.01957	mg/L

1 Al 308.215	142.5	146.2	-0.00479 mg/L	-0.00479 mg/L	
1 As 193.696	14.8	15.1	0.02194 mg/L	0.02194 mg/L	
1 B 249.773	283.4	290.7	0.00430 mg/L	0.00430 mg/L	
1 Ba 233.527	-3.7	-3.8	0.00017 mg/L	0.00017 mg/L	
1 Be 313.042	10691.3	10964.1	0.01035 mg/L	0.01035 mg/L	
1 Ca 315.887	28503.5	29230.9	2.0229 mg/L	2.0229 mg/L	
1 Cd 214.438	431.9	442.9	0.01019 mg/L	0.01019 mg/L	
1 Co 238.892	2216.0	2272.5	0.09767 mg/L	0.09767 mg/L	
1 Cr 267.716	2161.0	2216.1	0.02516 mg/L	0.02516 mg/L	
1 Cu 324.754	7462.0	7652.4	0.04726 mg/L	0.04726 mg/L	
1 Fe 234.349	1262.4	1294.7	0.06927 mg/L	0.06927 mg/L	
1 K 766.491	-3869.0	-3967.8	0.01430 mg/L	0.01430 mg/L	
1 Mo 202.030	-1.2	-1.2	0.00054 mg/L	0.00054 mg/L	
1 Mn 257.610	5751.3	5898.1	0.03112 mg/L	0.03112 mg/L	
1 Mg 279.079	1278.6	1311.2	0.61921 mg/L	0.61921 mg/L	
1 Ni 231.604	524.0	537.4	0.07789 mg/L	0.07789 mg/L	
1 Pb 220.353	43.2	44.3	0.00658 mg/L	0.00658 mg/L	
1 Sn 189.933	8.9	9.2	0.00266 mg/L	0.00266 mg/L	
1 Se 196.026	24.0	24.6	0.01060 mg/L	0.01060 mg/L	
1 Sb 206.833	89.6	91.9	0.07974 mg/L	0.07974 mg/L	
1 V 292.402	5678.6	5823.6	0.09512 mg/L	0.09512 mg/L	
1 Tl 190.800	-2.5	-2.5	0.02110 mg/L	0.02110 mg/L	
1 Zn 213.856	2332.1	2391.6	0.04193 mg/L	0.04193 mg/L	
1 Na 330.237	1010.6	1036.4	2.1793 mg/L	2.1793 mg/L	
1 Sr 407.771	721633.9	740050.4			
1 K 404.721	3749.6	3845.3	0.00000 mg/L	0.00000 mg/L	
2 Y 324.228	361359.3	361359.3	0.977 mg/L		
2 Ag 328.068	925.2	946.9	0.01996 mg/L	0.01996 mg/L	
2 Al 308.215	176.3	180.4	0.00497 mg/L	0.00497 mg/L	
2 As 193.696	16.3	16.7	0.02604 mg/L	0.02604 mg/L	
2 B 249.773	263.4	269.6	0.00345 mg/L	0.00345 mg/L	
2 Ba 233.527	-5.4	-5.6	0.00011 mg/L	0.00011 mg/L	
2 Be 313.042	10739.3	10990.5	0.01037 mg/L	0.01037 mg/L	
2 Ca 315.887	23332.6	23878.3	1.6527 mg/L	1.6527 mg/L	
2 Cd 214.438	428.7	438.7	0.01005 mg/L	0.01005 mg/L	
2 Co 238.892	2232.3	2284.5	0.09817 mg/L	0.09817 mg/L	
2 Cr 267.716	2144.9	2195.1	0.02480 mg/L	0.02480 mg/L	
2 Cu 324.754	7520.0	7695.9	0.04761 mg/L	0.04761 mg/L	
2 Fe 234.349	1074.1	1099.3	0.05271 mg/L	0.05271 mg/L	
2 K 766.491	-4352.5	-4454.3	0.01264 mg/L	0.01264 mg/L	
2 Mo 202.030	1.4	1.5	0.00105 mg/L	0.00105 mg/L	
2 Mn 257.610	5749.1	5883.6	0.03105 mg/L	0.03105 mg/L	
2 Mg 279.079	1047.3	1071.8	0.50587 mg/L	0.50587 mg/L	
2 Ni 231.604	530.5	542.9	0.07868 mg/L	0.07868 mg/L	
2 Pb 220.353	42.4	43.4	0.00623 mg/L	0.00623 mg/L	
2 Sn 189.933	7.7	7.9	0.00156 mg/L	0.00156 mg/L	
2 Se 196.026	18.0	18.4	0.00407 mg/L	0.00407 mg/L	
2 Sb 206.833	98.7	101.0	0.09052 mg/L	0.09052 mg/L	
2 V 292.402	5717.9	5851.6	0.09557 mg/L	0.09557 mg/L	
2 Tl 190.800	-3.8	-3.9	0.01981 mg/L	0.01981 mg/L	
2 Zn 213.856	2336.2	2390.8	0.04192 mg/L	0.04192 mg/L	
2 Na 330.237	960.8	983.3	1.9827 mg/L	1.9827 mg/L	
2 Sr 407.771	609591.9	623847.4			
2 K 404.721	3701.6	3788.2	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: CRI Seq. No.: 49 Sample No.: 0 A/S Pos: 0

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 9:19:50 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	360983.1	0.976	0.0014	mg/L				0.15%
Ag 328.068	938.4	0.01976	0.000278	mg/L	0.01976	0.000278	mg/L	1.41%
Al 308.215	163.3	0.00009	0.006901	mg/L	0.00009	0.006901	mg/L	7747.40%
As 193.696	15.9	0.02399	0.002892	mg/L	0.02399	0.002892	mg/L	12.06%
B 249.773	280.1	0.00387	0.000599	mg/L	0.00387	0.000599	mg/L	15.48%
Ba 233.527	-4.7	0.00014	0.000040	mg/L	0.00014	0.000040	mg/L	28.57%
Be 313.042	10977.3	0.01036	0.000018	mg/L	0.01036	0.000018	mg/L	0.18%
Ca 315.887	26554.6	1.8378	0.26171	mg/L	1.8378	0.26171	mg/L	14.24%
Cd 214.438	440.8	0.01012	0.000099	mg/L	0.01012	0.000099	mg/L	0.98%
Co 238.892	2278.5	0.09792	0.000357	mg/L	0.09792	0.000357	mg/L	0.36%
Cr 267.716	2205.6	0.02498	0.000254	mg/L	0.02498	0.000254	mg/L	1.02%
Cu 324.754	7674.1	0.04743	0.000242	mg/L	0.04743	0.000242	mg/L	0.51%
Fe 234.349	1197.0	0.06099	0.011714	mg/L	0.06099	0.011714	mg/L	19.21%

K 766.491	-4211.0	0.01347	0.001172	mg/L	0.01347	0.001172 mg/L	8.70%
Mo 202.030	0.1	0.00079	0.000364	mg/L	0.00079	0.000364 mg/L	45.81%
Mn 257.610	5890.8	0.03109	0.000055	mg/L	0.03109	0.000055 mg/L	0.18%
Mg 279.079	1191.5	0.56254	0.080144	mg/L	0.56254	0.080144 mg/L	14.25%
Ni 231.604	540.1	0.07829	0.000563	mg/L	0.07829	0.000563 mg/L	0.72%
Pb 220.353	43.8	0.00640	0.000246	mg/L	0.00640	0.000246 mg/L	3.84%
Sn 189.933	8.5	0.00211	0.000777	mg/L	0.00211	0.000777 mg/L	36.82%
Se 196.026	21.5	0.00734	0.004614	mg/L	0.00734	0.004614 mg/L	62.89%
Sb 206.833	96.4	0.08513	0.007622	mg/L	0.08513	0.007622 mg/L	8.95%
V 292.402	5837.6	0.09534	0.000317	mg/L	0.09534	0.000317 mg/L	0.33%
Tl 190.800	-3.2	0.02046	0.000913	mg/L	0.02046	0.000913 mg/L	4.46%
Zn 213.856	2391.2	0.04193	0.000012	mg/L	0.04193	0.000012 mg/L	0.03%
Na 330.237	1009.8	2.0810	0.13906	mg/L	2.0810	0.13906 mg/L	6.68%
Sr 407.771	681948.9						12.05%
K 404.721	3816.7	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data ----------

ID: ICSA Date: 11/18/96 9:23:02 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	299562.8	299562.8	0.810	mg/L		
1	Ag 328.068	-692.0	-854.3	-0.02177	mg/L	-0.02177	mg/L
1	Al 308.215	1490696.9	1840263.1	523.86	mg/L	523.86	mg/L
1	As 193.696	268.9	332.0	0.38597	mg/L	0.38597	mg/L
1	B 249.773	1696.1	2093.8	0.07663	mg/L	0.07663	mg/L
1	Ba 233.527	106.4	131.4	0.00435	mg/L	0.00435	mg/L
1	Be 313.042	801.2	989.1	0.00041	mg/L	0.00041	mg/L
1	Ca 315.887	5842035.3	7211984.0	498.69	mg/L	498.69	mg/L
1	Cd 214.438	675.5	833.9	0.01245	mg/L	0.01245	mg/L
1	Co 238.892	3554.6	4388.1	0.18660	mg/L	0.18660	mg/L
1	Cr 267.716	1259.3	1554.7	0.01379	mg/L	0.01379	mg/L
1	Cu 324.754	2034.5	2511.5	0.00668	mg/L	0.00668	mg/L
1	Fe 234.349	1733998.1	2140618.1	181.44	mg/L	181.44	mg/L
1	K 766.491	-3787.3	-4675.4	0.01188	mg/L	0.01188	mg/L
1	Mo 202.030	-21.5	-26.5	-0.00437	mg/L	-0.00437	mg/L
1	Mn 257.610	2180.9	2692.3	0.01404	mg/L	0.01404	mg/L
1	Mg 279.079	861984.4	1064118.5	503.82	mg/L	503.82	mg/L
1	Ni 231.604	7.0	8.6	0.00149	mg/L	0.00149	mg/L
1	Pb 220.353	188.6	232.8	-0.02382	mg/L	-0.02382	mg/L
1	Sn 189.933	29.7	36.6	0.33469	mg/L	0.33469	mg/L
1	Se 196.026	55.5	68.6	-0.03435	mg/L	-0.03435	mg/L
1	Sb 206.833	41.5	51.2	0.24031	mg/L	0.24031	mg/L
1	V 292.402	2533.9	3128.2	0.05202	mg/L	0.05202	mg/L
1	Tl 190.800	-9.7	-12.0	0.01156	mg/L	0.01156	mg/L
1	Zn 213.856	2250.6	2778.3	0.05043	mg/L	0.05043	mg/L
1	Na 330.237	670.0	827.1	1.4040	mg/L	1.4040	mg/L
1	Sr 407.771	438293.5	541072.7				
1	K 404.721	2601.2	3211.2	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	300009.3	300009.3	0.811	mg/L		
2	Ag 328.068	-697.8	-860.1	-0.02190	mg/L	-0.02190	mg/L
2	Al 308.215	1502733.5	1852361.2	527.30	mg/L	527.30	mg/L
2	As 193.696	280.7	346.0	0.41788	mg/L	0.41788	mg/L
2	B 249.773	1682.0	2073.4	0.07581	mg/L	0.07581	mg/L
2	Ba 233.527	99.2	122.3	0.00407	mg/L	0.00407	mg/L
2	Be 313.042	771.1	950.5	0.00037	mg/L	0.00037	mg/L
2	Ca 315.887	5845853.3	7205956.1	498.27	mg/L	498.27	mg/L
2	Cd 214.438	689.6	850.0	0.01292	mg/L	0.01292	mg/L
2	Co 238.892	3554.6	4381.6	0.18634	mg/L	0.18634	mg/L
2	Cr 267.716	1259.6	1552.7	0.01377	mg/L	0.01377	mg/L
2	Cu 324.754	2021.9	2492.4	0.00652	mg/L	0.00652	mg/L
2	Fe 234.349	1730452.0	2133060.9	180.80	mg/L	180.80	mg/L
2	K 766.491	-4246.4	-5234.4	0.00998	mg/L	0.00998	mg/L
2	Mo 202.030	-8.8	-10.9	-0.00135	mg/L	-0.00135	mg/L
2	Mn 257.610	2149.2	2649.2	0.01381	mg/L	0.01381	mg/L
2	Mg 279.079	861050.2	1061383.2	502.52	mg/L	502.52	mg/L
2	Ni 231.604	19.1	23.6	0.00366	mg/L	0.00366	mg/L
2	Pb 220.353	181.6	223.8	-0.02823	mg/L	-0.02823	mg/L
2	Sn 189.933	29.7	36.6	0.33492	mg/L	0.33492	mg/L
2	Se 196.026	61.8	76.2	-0.02652	mg/L	-0.02652	mg/L
2	Sb 206.833	38.7	47.7	0.23642	mg/L	0.23642	mg/L
2	V 292.402	2539.2	3130.0	0.05205	mg/L	0.05205	mg/L
2	Tl 190.800	-2.3	-2.8	0.02042	mg/L	0.02042	mg/L
2	Zn 213.856	2265.9	2793.0	0.05075	mg/L	0.05075	mg/L

2	Na 330.237	543.9	670.4	0.82375 mg/L	0.82375 mg/L	
2	Sr 407.771	403191.3	496998.2			
2	K 404.721	2504.9	3087.7	0.00000 mg/L	0.00000 mg/L	

Mean Data

ID: ICSA Seq. No.: 50 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:23:02 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	299786.1	0.811	0.0009	mg/L				0.11%
Ag 328.068	-857.2	-0.02183	0.000095	mg/L	-0.02183	0.000095	mg/L	0.44%
Al 308.215	1846312.1	525.58	2.435	mg/L	525.58	2.435	mg/L	0.46%
As 193.696	339.0	0.40193	0.022563	mg/L	0.40193	0.022563	mg/L	5.61%
B 249.773	2083.6	0.07622	0.000579	mg/L	0.07622	0.000579	mg/L	0.76%
Ba 233.527	126.8	0.00421	0.000200	mg/L	0.00421	0.000200	mg/L	4.75%
Be 313.042	969.8	0.00039	0.000027	mg/L	0.00039	0.000027	mg/L	6.95%
Ca 315.887	7208970.1	498.48	0.295	mg/L	498.48	0.295	mg/L	0.06%
Cd 214.438	842.0	0.01268	0.000331	mg/L	0.01268	0.000331	mg/L	2.61%
Co 238.892	4384.8	0.18647	0.000184	mg/L	0.18647	0.000184	mg/L	0.10%
Cr 267.716	1553.7	0.01378	0.000016	mg/L	0.01378	0.000016	mg/L	0.12%
Cu 324.754	2502.0	0.00660	0.000109	mg/L	0.00660	0.000109	mg/L	1.65%
Fe 234.349	2136839.5	181.12	0.453	mg/L	181.12	0.453	mg/L	0.25%
K 766.491	-4954.9	0.01093	0.001347	mg/L	0.01093	0.001347	mg/L	12.32%
Mo 202.030	-18.7	-0.00286	0.002138	mg/L	-0.00286	0.002138	mg/L	74.69%
Mn 257.610	2670.8	0.01392	0.000163	mg/L	0.01392	0.000163	mg/L	1.17%
Mg 279.079	1062750.8	503.17	0.916	mg/L	503.17	0.916	mg/L	0.18%
Ni 231.604	16.1	0.00257	0.001532	mg/L	0.00257	0.001532	mg/L	59.56%
Pb 220.353	228.3	-0.02602	0.003116	mg/L	-0.02602	0.003116	mg/L	11.97%
Sn 189.933	36.6	0.33480	0.000163	mg/L	0.33480	0.000163	mg/L	0.05%
Se 196.026	72.4	-0.03044	0.005539	mg/L	-0.03044	0.005539	mg/L	18.20%
Sb 206.833	49.5	0.23836	0.002749	mg/L	0.23836	0.002749	mg/L	1.15%
V 292.402	3129.1	0.05203	0.000021	mg/L	0.05203	0.000021	mg/L	0.04%
Tl 190.800	-7.4	0.01599	0.006266	mg/L	0.01599	0.006266	mg/L	39.18%
Zn 213.856	2785.7	0.05059	0.000228	mg/L	0.05059	0.000228	mg/L	0.45%
Na 330.237	748.8	1.1139	0.41030	mg/L	1.1139	0.41030	mg/L	36.84%
Sr 407.771	519035.4							6.00%
K 404.721	3149.4	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: ICSAB Date: 11/18/96 9:26:16 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	299073.1	299073.1	0.809	mg/L		
1	Ag 328.068	36253.6	44828.3	1.0365	mg/L	1.0365	mg/L
1	Al 308.215	1496372.9	1850294.8	526.71	mg/L	526.71	mg/L
1	As 193.696	274.5	339.4	0.40118	mg/L	0.40118	mg/L
1	B 249.773	1712.6	2117.6	0.07758	mg/L	0.07758	mg/L
1	Ba 233.527	13178.6	16295.7	0.50512	mg/L	0.50512	mg/L
1	Be 313.042	426244.8	527060.2	0.52536	mg/L	0.52536	mg/L
1	Ca 315.887	5840338.5	7221694.5	499.36	mg/L	499.36	mg/L
1	Cd 214.438	24704.9	30548.0	1.0066	mg/L	1.0066	mg/L
1	Co 238.892	12245.4	15141.7	0.63878	mg/L	0.63878	mg/L
1	Cr 267.716	24405.8	30178.3	0.50493	mg/L	0.50493	mg/L
1	Cu 324.754	53743.2	66454.5	0.51150	mg/L	0.51150	mg/L
1	Fe 234.349	1733116.3	2143032.7	181.64	mg/L	181.64	mg/L
1	K 766.491	-5083.4	-6285.7	0.00640	mg/L	0.00640	mg/L
1	Mo 202.030	-19.1	-23.7	-0.00362	mg/L	-0.00362	mg/L
1	Mn 257.610	75171.3	92950.8	0.49515	mg/L	0.49515	mg/L
1	Mg 279.079	861102.0	1064769.8	504.13	mg/L	504.13	mg/L
1	Ni 231.604	4903.4	6063.2	0.87630	mg/L	0.87630	mg/L
1	Pb 220.353	2028.5	2508.3	0.90963	mg/L	0.90963	mg/L
1	Sn 189.933	17.9	22.1	0.32552	mg/L	0.32552	mg/L
1	Se 196.026	81.9	101.3	-0.00166	mg/L	-0.00166	mg/L
1	Sb 206.833	32.4	40.0	0.22832	mg/L	0.22832	mg/L
1	V 292.402	26755.1	33083.2	0.53103	mg/L	0.53103	mg/L
1	Tl 190.800	-6.8	-8.4	0.01573	mg/L	0.01573	mg/L
1	Zn 213.856	42056.1	52003.2	1.1316	mg/L	1.1316	mg/L
1	Na 330.237	453.5	560.8	0.41748	mg/L	0.41748	mg/L
1	Sr 407.771	340055.0	420484.7				
1	K 404.721	2554.9	3159.2	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	300794.9	300794.9	0.813	mg/L		

2 Ag 328.068	36335.6	44672.5	1.0329 mg/L	1.0329 mg/L	
2 Al 308.215	1511178.8	1857906.6	528.88 mg/L	528.88 mg/L	
2 As 193.696	273.2	335.9	0.38873 mg/L	0.38873 mg/L	
2 B 249.773	1679.0	2064.3	0.07544 mg/L	0.07544 mg/L	
2 Ba 233.527	13183.5	16208.4	0.50241 mg/L	0.50241 mg/L	
2 Be 313.042	428382.1	526670.9	0.52497 mg/L	0.52497 mg/L	
2 Ca 315.887	5867065.4	7213216.4	498.78 mg/L	498.78 mg/L	
2 Cd 214.438	24660.5	30318.6	0.99884 mg/L	0.99884 mg/L	
2 Co 238.892	12295.5	15116.6	0.63772 mg/L	0.63772 mg/L	
2 Cr 267.716	24385.6	29980.7	0.50154 mg/L	0.50154 mg/L	
2 Cu 324.754	54110.8	66526.1	0.51207 mg/L	0.51207 mg/L	
2 Fe 234.349	1742746.1	2142605.1	181.61 mg/L	181.61 mg/L	
2 K 766.491	-4858.2	-5972.8	0.00746 mg/L	0.00746 mg/L	
2 Mo 202.030	-18.6	-22.9	-0.00348 mg/L	-0.00348 mg/L	
2 Mn 257.610	75474.3	92791.3	0.49430 mg/L	0.49430 mg/L	
2 Mg 279.079	865083.0	1063569.4	503.56 mg/L	503.56 mg/L	
2 Ni 231.604	4929.5	6060.5	0.87591 mg/L	0.87591 mg/L	
2 Pb 220.353	2027.0	2492.1	0.90255 mg/L	0.90255 mg/L	
2 Sn 189.933	19.8	24.3	0.32749 mg/L	0.32749 mg/L	
2 Se 196.026	66.2	81.3	-0.02282 mg/L	-0.02282 mg/L	
2 Sb 206.833	32.3	39.7	0.22804 mg/L	0.22804 mg/L	
2 V 292.402	26839.5	32997.6	0.52966 mg/L	0.52966 mg/L	
2 Tl 190.800	-3.5	-4.3	0.01968 mg/L	0.01968 mg/L	
2 Zn 213.856	42086.4	51742.7	1.1259 mg/L	1.1259 mg/L	
2 Na 330.237	443.8	545.7	0.36155 mg/L	0.36155 mg/L	
2 Sr 407.771	343359.1	422140.1			
2 K 404.721	2601.2	3198.1	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: ICSAB Seq. No.: 51 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:26:16 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	299934.0	0.811	0.0033	mg/L				0.41%
Ag 328.068	44750.4	1.0347	0.00255	mg/L	1.0347	0.00255	mg/L	0.25%
Al 308.215	1854100.7	527.80	1.532	mg/L	527.80	1.532	mg/L	0.29%
As 193.696	337.7	0.39496	0.008802	mg/L	0.39496	0.008802	mg/L	2.23%
B 249.773	2091.0	0.07651	0.001514	mg/L	0.07651	0.001514	mg/L	1.98%
Ba 233.527	16252.0	0.50377	0.001912	mg/L	0.50377	0.001912	mg/L	0.38%
Be 313.042	526865.5	0.52517	0.000274	mg/L	0.52517	0.000274	mg/L	0.05%
Ca 315.887	7217455.4	499.07	0.415	mg/L	499.07	0.415	mg/L	0.08%
Cd 214.438	30433.3	1.0027	0.00546	mg/L	1.0027	0.00546	mg/L	0.54%
Co 238.892	15129.1	0.63825	0.000747	mg/L	0.63825	0.000747	mg/L	0.12%
Cr 267.716	30079.5	0.50323	0.002396	mg/L	0.50323	0.002396	mg/L	0.48%
Cu 324.754	66490.3	0.51179	0.000399	mg/L	0.51179	0.000399	mg/L	0.08%
Fe 234.349	2142818.9	181.63	0.026	mg/L	181.63	0.026	mg/L	0.01%
K 766.491	-6129.3	0.00693	0.000754	mg/L	0.00693	0.000754	mg/L	10.87%
Mo 202.030	-23.3	-0.00355	0.000101	mg/L	-0.00355	0.000101	mg/L	2.85%
Mn 257.610	92871.0	0.49473	0.000601	mg/L	0.49473	0.000601	mg/L	0.12%
Mg 279.079	1064169.6	503.85	0.402	mg/L	503.85	0.402	mg/L	0.08%
Ni 231.604	6061.8	0.87611	0.000278	mg/L	0.87611	0.000278	mg/L	0.03%
Pb 220.353	2500.2	0.90609	0.005004	mg/L	0.90609	0.005004	mg/L	0.55%
Sn 189.933	23.2	0.32650	0.001396	mg/L	0.32650	0.001396	mg/L	0.43%
Se 196.026	91.3	-0.01224	0.014966	mg/L	-0.01224	0.014966	mg/L	122.28%
Sb 206.833	39.9	0.22818	0.000196	mg/L	0.22818	0.000196	mg/L	0.09%
V 292.402	33040.4	0.53034	0.000968	mg/L	0.53034	0.000968	mg/L	0.18%
Tl 190.800	-6.4	0.01771	0.002794	mg/L	0.01771	0.002794	mg/L	15.78%
Zn 213.856	51873.0	1.1288	0.00405	mg/L	1.1288	0.00405	mg/L	0.36%
Na 330.237	553.2	0.38951	0.039549	mg/L	0.38951	0.039549	mg/L	10.15%
Sr 407.771	421312.4							0.28%
K 404.721	3178.6	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data ----------

ID: CCV4 Date: 11/18/96 9:29:32 AM

Repl	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	347634.2	347634.2	0.940	mg/L		
1	Ag 328.068	6574.3	6993.6	0.16004	mg/L	0.16004	mg/L
1	Al 308.215	65399.5	69571.4	19.760	mg/L	19.760	mg/L
1	As 193.696	78.5	83.5	0.18452	mg/L	0.18452	mg/L
1	B 249.773	9715.2	10334.9	0.40720	mg/L	0.40720	mg/L
1	Ba 233.527	12165.3	12941.3	0.40120	mg/L	0.40120	mg/L

1 Be 313.042	200332.2	213111.4	0.21200 mg/L	0.21200 mg/L	
1 Ca 315.887	291844.4	310461.2	21.470 mg/L	21.470 mg/L	
1 Cd 214.438	6047.4	6433.1	0.21049 mg/L	0.21049 mg/L	
1 Co 238.892	9011.2	9586.0	0.40714 mg/L	0.40714 mg/L	
1 Cr 267.716	22727.9	24177.7	0.40339 mg/L	0.40339 mg/L	
1 Cu 324.754	46164.2	49109.0	0.37426 mg/L	0.37426 mg/L	
1 Fe 234.349	234874.7	249857.4	21.142 mg/L	21.142 mg/L	
1 K 766.491	6065324.8	6452232.5	22.008 mg/L	22.008 mg/L	
1 Mo 202.030	1943.6	2067.5	0.40016 mg/L	0.40016 mg/L	
1 Mn 257.610	69564.0	74001.5	0.39415 mg/L	0.39415 mg/L	
1 Mg 279.079	40523.9	43108.9	20.412 mg/L	20.412 mg/L	
1 Ni 231.604	2533.5	2695.1	0.38966 mg/L	0.38966 mg/L	
1 Pb 220.353	936.7	996.4	0.39457 mg/L	0.39457 mg/L	
1 Sn 189.933	478.8	509.4	0.41837 mg/L	0.41837 mg/L	
1 Se 196.026	383.6	408.1	0.40446 mg/L	0.40446 mg/L	
1 Sb 206.833	343.0	364.9	0.41450 mg/L	0.41450 mg/L	
1 V 292.402	23263.9	24747.9	0.39774 mg/L	0.39774 mg/L	
1 Tl 190.800	169.5	180.3	0.19802 mg/L	0.19802 mg/L	
1 Zn 213.856	18483.9	19663.0	0.42129 mg/L	0.42129 mg/L	
1 Na 330.237	5736.2	6102.1	20.945 mg/L	20.945 mg/L	
1 Sr 407.771	33554.6	35695.0			
1 K 404.721	1571.3	1671.6	0.00000 mg/L	0.00000 mg/L	
2 Y 324.228	349067.7	349067.7	0.944 mg/L		
2 Ag 328.068	6763.3	7165.1	0.16401 mg/L	0.16401 mg/L	
2 Al 308.215	65575.2	69471.8	19.732 mg/L	19.732 mg/L	
2 As 193.696	77.1	81.7	0.17961 mg/L	0.17961 mg/L	
2 B 249.773	9751.2	10330.7	0.40703 mg/L	0.40703 mg/L	
2 Ba 233.527	12225.5	12951.9	0.40153 mg/L	0.40153 mg/L	
2 Be 313.042	200983.7	212926.4	0.21182 mg/L	0.21182 mg/L	
2 Ca 315.887	291473.0	308792.7	21.354 mg/L	21.354 mg/L	
2 Cd 214.438	6057.4	6417.3	0.20996 mg/L	0.20996 mg/L	
2 Co 238.892	9003.9	9538.9	0.40517 mg/L	0.40517 mg/L	
2 Cr 267.716	22768.8	24121.7	0.40243 mg/L	0.40243 mg/L	
2 Cu 324.754	46363.6	49118.6	0.37433 mg/L	0.37433 mg/L	
2 Fe 234.349	235000.3	248964.3	21.066 mg/L	21.066 mg/L	
2 K 766.491	6105736.2	6468547.7	22.064 mg/L	22.064 mg/L	
2 Mo 202.030	1955.3	2071.5	0.40092 mg/L	0.40092 mg/L	
2 Mn 257.610	69745.4	73889.7	0.39355 mg/L	0.39355 mg/L	
2 Mg 279.079	40542.1	42951.1	20.338 mg/L	20.338 mg/L	
2 Ni 231.604	2536.1	2686.8	0.38846 mg/L	0.38846 mg/L	
2 Pb 220.353	943.5	999.6	0.39586 mg/L	0.39586 mg/L	
2 Sn 189.933	475.5	503.8	0.41387 mg/L	0.41387 mg/L	
2 Se 196.026	400.0	423.8	0.42093 mg/L	0.42093 mg/L	
2 Sb 206.833	341.6	361.9	0.41092 mg/L	0.41092 mg/L	
2 V 292.402	23305.5	24690.4	0.39682 mg/L	0.39682 mg/L	
2 Tl 190.800	180.9	191.7	0.20902 mg/L	0.20902 mg/L	
2 Zn 213.856	18506.8	19606.5	0.42005 mg/L	0.42005 mg/L	
2 Na 330.237	5800.6	6145.3	21.105 mg/L	21.105 mg/L	
2 Sr 407.771	32067.8	33973.3			
2 K 404.721	1640.0	1737.5	0.00000 mg/L	0.00000 mg/L	

Mean Data ----------

ID: CCV4 Seq. No.: 52 Sample No.: 0 A/S Pos: 0

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Reprocessed Date: 11/18/96 9:29:32 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 324.228	348351.0	0.942	0.0027	mg/L				0.29%
Ag 328.068	7079.4	0.16203	0.002809	mg/L	0.16203 ✓	0.002809	mg/L	1.73%
Al 308.215	69521.6	19.746	0.0200	mg/L	19.746 ✓	0.0200	mg/L	0.10%
As 193.696	82.6	0.18206	0.003470	mg/L	0.18206	0.003470	mg/L	1.91%
B 249.773	10332.8	0.40712	0.000120	mg/L	0.40712	0.000120	mg/L	0.03%
Ba 233.527	12946.6	0.40137	0.000232	mg/L	0.40137	0.000232	mg/L	0.06%
Be 313.042	213018.9	0.21191	0.000130	mg/L	0.21191 ✓	0.000130	mg/L	0.06%
Ca 315.887	309626.9	21.412	0.0816	mg/L	21.412 ✓	0.0816	mg/L	0.38%
Cd 214.438	6425.2	0.21022	0.000374	mg/L	0.21022	0.000374	mg/L	0.18%
Co 238.892	9562.5	0.40615	0.001398	mg/L	0.40615 ✓	0.001398	mg/L	0.34%
Cr 267.716	24149.7	0.40291	0.000678	mg/L	0.40291 ✓	0.000678	mg/L	0.17%
Cu 324.754	49113.8	0.37429	0.000053	mg/L	0.37429 ✓	0.000053	mg/L	0.01%
Fe 234.349	249410.9	21.104	0.0535	mg/L	21.104 ✓	0.0535	mg/L	0.25%
K 766.491	6460390.1	22.036	0.0393	mg/L	22.036	0.0393	mg/L	0.18%
Mo 202.030	2069.5	0.40054	0.000537	mg/L	0.40054	0.000537	mg/L	0.13%
Mn 257.610	73945.6	0.39385	0.000421	mg/L	0.39385 ✓	0.000421	mg/L	0.11%
Mg 279.079	43030.0	20.375	0.0528	mg/L	20.375 ✓	0.0528	mg/L	0.26%

Ni 231.604	2690.9	0.38906	0.000849	mg/L	0.38906	0.000849 mg/L	0.22%
Pb 220.353	998.0	0.39522	0.000912	mg/L	0.39522	0.000912 mg/L	0.23%
Sn 189.933	506.6	0.41612	0.003184	mg/L	0.41612	0.003184 mg/L	0.77%
Se 196.026	415.9	0.41270	0.011644	mg/L	0.41270	0.011644 mg/L	2.82%
Sb 206.833	363.4	0.41271	0.002528	mg/L	0.41271	0.002528 mg/L	0.61%
V 292.402	24719.2	0.39728	0.000651	mg/L	0.39728	0.000651 mg/L	0.16%
Tl 190.800	186.0	0.20352	0.007783	mg/L	0.20352	0.007783 mg/L	3.82%
Zn 213.856	19634.7	0.42067	0.000878	mg/L	0.42067	0.000878 mg/L	0.21%
Na 330.237	6123.7	21.025	0.1131	mg/L	21.025	0.1131 mg/L	0.54%
Sr 407.771	34834.2						3.49%
K 404.721	1704.5	0.00000	0.000000	mg/L	0.00000	0.000000 mg/L	0.00%

Replicate Data

ID: CCB4 Date: 11/18/96 9:32:54 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Y 324.228	358284.2	358284.2	0.969	mg/L		
1	Ag 328.068	680.4	702.3	0.01429	mg/L	0.01429	mg/L
1	Al 308.215	381.3	393.5	0.06543	mg/L	0.06543	mg/L
1	As 193.696	7.7	8.0	0.00272	mg/L	0.00272	mg/L
1	B 249.773	226.8	234.1	0.00203	mg/L	0.00203	mg/L
1	Ba 233.527	-3.0	-3.1	0.00019	mg/L	0.00019	mg/L
1	Be 313.042	664.9	686.3	0.00013	mg/L	0.00013	mg/L
1	Ca 315.887	1517.1	1565.9	0.10966	mg/L	0.10966	mg/L
1	Cd 214.438	137.8	142.2	0.00012	mg/L	0.00012	mg/L
1	Co 238.892	-55.5	-57.3	-0.00028	mg/L	-0.00028	mg/L
1	Cr 267.716	947.9	978.4	0.00393	mg/L	0.00393	mg/L
1	Cu 324.754	1725.8	1781.3	0.00089	mg/L	0.00089	mg/L
1	Fe 234.349	891.0	919.6	0.03748	mg/L	0.03748	mg/L
1	K 766.491	-5519.4	-5696.9	0.00840	mg/L	0.00840	mg/L
1	Mo 202.030	13.4	13.8	0.00340	mg/L	0.00340	mg/L
1	Mn 257.610	104.2	107.5	0.00026	mg/L	0.00026	mg/L
1	Mg 279.079	142.7	147.2	0.06780	mg/L	0.06780	mg/L
1	Ni 231.604	6.5	6.7	0.00122	mg/L	0.00122	mg/L
1	Pb 220.353	39.2	40.5	0.00503	mg/L	0.00503	mg/L
1	Sn 189.933	6.3	6.5	0.00002	mg/L	0.00002	mg/L
1	Se 196.026	23.4	24.1	0.01027	mg/L	0.01027	mg/L
1	Sb 206.833	25.2	26.0	0.00135	mg/L	0.00135	mg/L
1	V 292.402	-162.8	-168.0	-0.00069	mg/L	-0.00069	mg/L
1	Tl 190.800	-22.6	-23.4	0.00112	mg/L	0.00112	mg/L
1	Zn 213.856	474.8	490.1	0.00017	mg/L	0.00017	mg/L
1	Na 330.237	581.7	600.4	0.56451	mg/L	0.56451	mg/L
1	Sr 407.771	18610.2	19208.8				
1	K 404.721	3686.2	3804.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	360601.4	360601.4	0.975	mg/L		
2	Ag 328.068	521.5	534.8	0.01041	mg/L	0.01041	mg/L
2	Al 308.215	349.6	358.5	0.05546	mg/L	0.05546	mg/L
2	As 193.696	7.6	7.7	0.00210	mg/L	0.00210	mg/L
2	B 249.773	221.4	227.1	0.00174	mg/L	0.00174	mg/L
2	Ba 233.527	-7.3	-7.4	0.00005	mg/L	0.00005	mg/L
2	Be 313.042	626.0	641.9	0.00009	mg/L	0.00009	mg/L
2	Ca 315.887	1311.8	1345.3	0.09441	mg/L	0.09441	mg/L
2	Cd 214.438	142.3	145.9	0.00024	mg/L	0.00024	mg/L
2	Co 238.892	-52.1	-53.4	-0.00012	mg/L	-0.00012	mg/L
2	Cr 267.716	926.5	950.2	0.00345	mg/L	0.00345	mg/L
2	Cu 324.754	1699.5	1742.9	0.00058	mg/L	0.00058	mg/L
2	Fe 234.349	829.1	850.3	0.03160	mg/L	0.03160	mg/L
2	K 766.491	-5801.3	-5949.5	0.00754	mg/L	0.00754	mg/L
2	Mo 202.030	14.3	14.6	0.00356	mg/L	0.00356	mg/L
2	Mn 257.610	92.2	94.5	0.00019	mg/L	0.00019	mg/L
2	Mg 279.079	123.2	126.4	0.05793	mg/L	0.05793	mg/L
2	Ni 231.604	1.3	1.3	0.00044	mg/L	0.00044	mg/L
2	Pb 220.353	34.3	35.2	0.00285	mg/L	0.00285	mg/L
2	Sn 189.933	11.5	11.7	0.00422	mg/L	0.00422	mg/L
2	Se 196.026	20.4	20.9	0.00688	mg/L	0.00688	mg/L
2	Sb 206.833	21.4	22.0	-0.00347	mg/L	-0.00347	mg/L
2	V 292.402	-132.7	-136.1	-0.00018	mg/L	-0.00018	mg/L
2	Tl 190.800	-22.1	-22.6	0.00181	mg/L	0.00181	mg/L
2	Zn 213.856	472.8	484.9	0.00005	mg/L	0.00005	mg/L
2	Na 330.237	495.8	508.5	0.22373	mg/L	0.22373	mg/L
2	Sr 407.771	16210.0	16624.0				
2	K 404.721	3763.4	3859.5	0.00000	mg/L	0.00000	mg/L

Mean Data

ID: CCB4 Seq. No.: 53 Sample No.: 0 A/S Pos: 0
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Reprocessed Date: 11/18/96 9:32:54 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 324.228	359442.8	0.972	0.0044	mg/L				0.46%
Ag 328.068	618.6	0.01235	0.002743	mg/L	0.01235	0.002743	mg/L	22.20%
Al 308.215	376.0	0.06044	0.007051	mg/L	0.06044	0.007051	mg/L	11.67%
As 193.696	7.9	0.00241	0.000440	mg/L	0.00241	0.000440	mg/L	18.25%
B 249.773	230.6	0.00189	0.000200	mg/L	0.00189	0.000200	mg/L	10.59%
Ba 233.527	-5.3	0.00012	0.000094	mg/L	0.00012	0.000094	mg/L	79.28%
Be 313.042	664.1	0.00011	0.000031	mg/L	0.00011	0.000031	mg/L	28.22%
Ca 315.887	1455.6	0.10203	0.010786	mg/L	0.10203	0.010786	mg/L	10.57%
Cd 214.438	144.1	0.00018	0.000087	mg/L	0.00018	0.000087	mg/L	47.70%
Co 238.892	-55.4	-0.00020	0.000117	mg/L	-0.00020	0.000117	mg/L	58.87%
Cr 267.716	964.3	0.00369	0.000341	mg/L	0.00369	0.000341	mg/L	9.25%
Cu 324.754	1762.1	0.00074	0.000214	mg/L	0.00074	0.000214	mg/L	29.14%
Fe 234.349	885.0	0.03454	0.004155	mg/L	0.03454	0.004155	mg/L	12.03%
K 766.491	-5823.2	0.00797	0.000608	mg/L	0.00797	0.000608	mg/L	7.63%
Mo 202.030	14.2	0.00348	0.000107	mg/L	0.00348	0.000107	mg/L	3.09%
Mn 257.610	101.0	0.00022	0.000049	mg/L	0.00022	0.000049	mg/L	21.94%
Mg 279.079	136.8	0.06287	0.006981	mg/L	0.06287	0.006981	mg/L	11.10%
Ni 231.604	4.0	0.00083	0.000551	mg/L	0.00083	0.000551	mg/L	66.63%
Pb 220.353	37.8	0.00394	0.001543	mg/L	0.00394	0.001543	mg/L	39.16%
Sn 189.933	9.1	0.00212	0.002971	mg/L	0.00212	0.002971	mg/L	140.21%
Se 196.026	22.5	0.00857	0.002397	mg/L	0.00857	0.002397	mg/L	27.96%
Sb 206.833	24.0	-0.00106	0.003414	mg/L	-0.00106	0.003414	mg/L	322.12%
V 292.402	-152.1	-0.00044	0.000360	mg/L	-0.00044	0.000360	mg/L	82.48%
Tl 190.800	-23.0	0.00146	0.000483	mg/L	0.00146	0.000483	mg/L	33.00%
Zn 213.856	487.5	0.00011	0.000081	mg/L	0.00011	0.000081	mg/L	72.70%
Na 330.237	554.5	0.39412	0.240968	mg/L	0.39412	0.240968	mg/L	61.14%
Sr 407.771	17916.4							10.20%
K 404.721	3832.2	0.00000	0.000000	mg/L	0.00000	0.000000	mg/L	0.00%

Replicate Data

ID: PBW:15172 Date: 11/18/96 9:36:19 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Y 324.228	356788.9	356788.9	0.965	mg/L		
1	Ag 328.068	175.4	181.8	0.00223	mg/L	0.00223	mg/L
1	Al 308.215	262.8	272.4	0.03095	mg/L	0.03095	mg/L
1	As 193.696	7.1	7.4	0.00115	mg/L	0.00115	mg/L
1	B 249.773	333.9	346.1	0.00652	mg/L	0.00652	mg/L
1	Ba 233.527	23.4	24.3	0.00103	mg/L	0.00103	mg/L
1	Be 313.042	541.2	560.9	0.00001	mg/L	0.00001	mg/L
1	Ca 315.887	5642.0	5847.9	0.40575	mg/L	0.40575	mg/L
1	Cd 214.438	131.0	135.8	-0.00009	mg/L	-0.00009	mg/L
1	Co 238.892	-50.2	-52.0	-0.00007	mg/L	-0.00007	mg/L
1	Cr 267.716	1058.5	1097.2	0.00597	mg/L	0.00597	mg/L
1	Cu 324.754	1964.8	2036.5	0.00290	mg/L	0.00290	mg/L
1	Fe 234.349	1035.0	1072.8	0.05046	mg/L	0.05046	mg/L
1	K 766.491	-1392.6	-1443.5	0.02289	mg/L	0.02289	mg/L
1	Mo 202.030	4.3	4.4	0.00159	mg/L	0.00159	mg/L
1	Mn 257.610	150.2	155.7	0.00052	mg/L	0.00052	mg/L
1	Mg 279.079	241.8	250.6	0.11675	mg/L	0.11675	mg/L
1	Ni 231.604	11.9	12.4	0.00204	mg/L	0.00204	mg/L
1	Pb 220.353	32.1	33.3	0.00208	mg/L	0.00208	mg/L
1	Sn 189.933	7.7	8.0	0.00129	mg/L	0.00129	mg/L
1	Se 196.026	19.7	20.4	0.00637	mg/L	0.00637	mg/L
1	Sb 206.833	24.6	25.5	0.00076	mg/L	0.00076	mg/L
1	V 292.402	-146.4	-151.7	-0.00043	mg/L	-0.00043	mg/L
1	Tl 190.800	-25.7	-26.7	-0.00207	mg/L	-0.00207	mg/L
1	Zn 213.856	579.9	601.1	0.00261	mg/L	0.00261	mg/L
1	Na 330.237	541.5	561.2	0.41926	mg/L	0.41926	mg/L
1	Sr 407.771	26931.4	27914.3				
1	K 404.721	3946.8	4090.8	0.00000	mg/L	0.00000	mg/L
2	Y 324.228	358242.0	358242.0	0.969	mg/L		
2	Ag 328.068	171.0	176.6	0.00211	mg/L	0.00211	mg/L
2	Al 308.215	262.8	271.3	0.03064	mg/L	0.03064	mg/L
2	As 193.696	7.7	7.9	0.00265	mg/L	0.00265	mg/L
2	B 249.773	332.5	343.3	0.00641	mg/L	0.00641	mg/L

SEQUENCE SAMPLE LIST (Printed :- 10:27:40 AM October 1, 1996)

SEQUENCE : c:\win35\20076010\20076010.ssf

ANALYST 10-1-96 Date

REVIEW Date

DATA ENTRY 10-2-96 Date

AB395-49F AB395-50
Id. Lot #: 48LE ICS Lot #: JK

AB395-51A AB395-31
ICV Lot #: 48LL CCV Lot #: CO

LCS & MS/MSD Lot #:

Position	Sample identity 1	Sample identity 2	Weight	Volume	Page : 1
STD1	STD 01				(STANDARD)
STD2	STD 02				(STANDARD)
STD3	STD 03				(STANDARD)
STD2	LRV1		1.00000	1.00	(UNKNOWN)
STD3	LRV2		1.00000	1.00	(UNKNOWN)
TUBE01	ICVA		1.00000	1.00	(UNKNOWN)
TUBE02	ICVB		1.00000	1.00	(UNKNOWN)
TUBE10	ICVTL		1.00000	1.00	(UNKNOWN)
TUBE03	ICB		1.00000	1.00	(UNKNOWN)
TUBE04	CRII		1.00000	1.00	(UNKNOWN)
TUBE05	ICSA		1.00000	1.00	(UNKNOWN)
TUBE06	ICSAB		1.00000	1.00	(UNKNOWN)
TUBE07	CCVA		1.00000	1.00	(UNKNOWN)
TUBE08	CCVB		1.00000	1.00	(UNKNOWN)
TUBE09	CCB		1.00000	1.00	(UNKNOWN)
TUBE11	PBW:14732	14732,LSS,,	100.000050.00		(UNKNOWN)
TUBE12	LCS:14732	14732,LSS,,	100.000050.00		(UNKNOWN)
TUBE13	10765-1	14732,LSS,,	100.000050.00		(UNKNOWN)
TUBE14	10765-1D	14732,LSS,,	100.000050.00		(UNKNOWN)
TUBE15	10765-1MS	14732,LSS,,	100.000050.00		(UNKNOWN)
TUBE16	10765-1MD	14732,LSS,,	100.000050.00		(UNKNOWN)
TUBE17	10769-1	14732,LSS,,	100.000050.00		(UNKNOWN)
TUBE18	PBW:14737	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE19	LCS:14737	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE20	10817-1	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE21	CCVA	14737,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE22	CCVB	14737,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE23	CCB	14737,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE24	10817-1D	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE25	10817-1MS	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE26	10817-1MD	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE27	10817-2	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE28	10817-3	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE29	10817-4	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE30	10817-5	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE31	10817-6	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE32	10829-1	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE33	10829-2	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE34	CCVA	14737,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE35	CCVB	14737,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE36	CCB	14737,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE37	10808-2	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE38	10808-4	14737,LSS,,	100.000050.00		(UNKNOWN)
TUBE39	PBW:14749	14749,LSS,,	100.000050.00		(UNKNOWN)
TUBE40	LCS:14749	14749,LSS,,	100.000050.00		(UNKNOWN)
TUBE41	10824-1	14749,LSS,,	100.000050.00		(UNKNOWN)
TUBE42	10824-1D	14749,LSS,,	100.000050.00		(UNKNOWN)
TUBE43	10824-1MS	14749,LSS,,	100.000050.00		(UNKNOWN)
TUBE44	10824-1MD	14749,LSS,,	100.000050.00		(UNKNOWN)
TUBE45	10869-1	14749,LSS,,	100.000050.00		(UNKNOWN)
TUBE46	CCVA	14749,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE47	CCVB	14749,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE48	CCB	14749,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE49	10702-1	14749,LSS,,	0.50000	50.00	(UNKNOWN)
TUBE50	10702-2	14749,LSS,,	0.51100	50.00	(UNKNOWN)
TUBE51	PBW:14727	14727,LSS,,	100.0000100.00		(UNKNOWN)
TUBE52	LCS:14727	14727,LSS,,	100.0000100.00		(UNKNOWN)
TUBE53	10724-1	14727,LSS,,	100.0000100.00		(UNKNOWN)
TUBE54	10724-1D	14727,LSS,,	100.0000100.00		(UNKNOWN)
TUBE55	10724-1MS	14727,LSS,,	100.0000100.00		(UNKNOWN)
TUBE56	10724-1MD	14727,LSS,,	100.0000100.00		(UNKNOWN)
TUBE57	10724-2	14727,LSS,,	100.0000100.00		(UNKNOWN)
TUBE58	10720-1	14727,LSS,,	100.0000100.00		(UNKNOWN)
TUBE59	CCVA	14727,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE60	CCVB	14727,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE61	CCB	14727,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE62	PBW:14722	14722,LSS,,	45.0000050.00		(UNKNOWN)
TUBE63	LCS:14722	14722,LSS,,	45.0000050.00		(UNKNOWN)
TUBE64	10720-1	14722,LSS,,	45.0000050.00		(UNKNOWN)

TUBE84	10720-1	14722,LSS,,	45.0000050.00	(UNKNOWN)

Position	Sample Identity 1	Sample Identity 2	Weight Volume	Page : 2
TUBE85	10720-1D	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE86	10720-1MS	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE87	10720-1MD	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE88	10709-3	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE89	10709-13	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE70	10709-23	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE71	10723-2	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE72	CCVA	14722,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE73	CCVB	14722,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE74	CCB	14722,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE75	10723-3	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE76	10723-4	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE77	10723-5	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE78	10723-6	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE79	10724-1	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE80	10724-2	14722,LSS,,	45.0000050.00	(UNKNOWN)
TUBE81	RW	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE82	LCS	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE83	RWMS	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE84	RWMD	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE85	CCVA	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE86	CCVB	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE87	CCB	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE88	10729-1	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE89	10729-1D	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE90	10729-2	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE91	10729-3	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE92	10729-4	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE93	10729-5	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE94	10729-6	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE95	10729-7	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE96	10777-2	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE97	10777-3	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE98	CCVA	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE99	CCVB	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE100	CCB	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE101	10791-1	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE102	10791-2	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE103	10791-3	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE104	10807-1	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE105	10807-2	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE106	10809-1	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE107	10809-3	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE108	10809-4	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE109	10809-5	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE110	CCVA	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE111	CCVB	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE112	CCB	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE113	RW	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE114	LCS	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE115	RWMS	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE116	RWMD	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE117	10780-1	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE118	10780-1D	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE119	10780-2	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE120	10780-3	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE121	10780-4	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE122	10780-5	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE123	CCVA	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE124	CCVB	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE125	CCB	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE126	10780-6	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE127	10780-7	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE128	10780-8	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE129	10780-9	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE130	10780-10	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE131	10780-11 BIK	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE132	10780-12	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE133	10854-1	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE134	10854-2	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE135	10854-3	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE136	CCVA	100196,LSS,,	1.00000 1.00	(UNKNOWN)
TUBE137	CCVB	100196,LSS,,	1.00000 1.00	(UNKNOWN)

TUBE137	CCVB	100196,LSS,,	1.00000	1.00	(UNKNOWN)

Position	Sample Identity 1	Sample Identity 2	Weight	Volume	Page : 3
TUBE138	CCB	100196,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE139	10854-4	100196,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE140	10854-5	100196,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE141	10854-6	100196,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE142	10854-7 Di H2O	100196,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE143	10854-8	100196,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE144	10854-9	100196,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE145	ICSA	100196,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE146	ICSAB	100196,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE147	CCVA	100196,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE148	CCVB	100196,LSS,,	1.00000	1.00	(UNKNOWN)
TUBE149	CCB	100196,LSS,,	1.00000	1.00	(UNKNOWN)

EVOLUTION by Micro-Active Australia Pty Ltd 11:27:14 AM October 1, 1996

INTENSITIES
Identity 1 : STD 01 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 11:23:44 AM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2
# 1	-0.006	0.090	1.275	0.122	-0.113	1.553	-0.005
# 2	-0.006	0.095	1.270	0.123	-0.145	1.541	-0.037
# 3	-0.002	0.090	1.264	0.123	-0.120	1.572	-0.002
Mean	-0.005	0.092	1.270	0.123	-0.126	1.555	-0.015
%RSD	49.487	3.149	0.434	0.471	13.351	1.005	132.268

	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1	Sb1
# 1	0.035	0.038	0.014	0.009	-0.017	0.025	1.185
# 2	0.034	0.080	0.018	-0.005	-0.014	-0.002	1.211
# 3	0.033	0.072	0.011	0.025	-0.001	-0.010	1.199
Mean	0.034	0.063	0.014	0.010	-0.011	0.005	1.198
%RSD	2.941	35.212	24.502	155.287	79.733	379.436	1.086

	Tl1	V 1	Zn1
# 1	0.013	0.020	0.041
# 2	0.021	0.025	0.029
# 3	0.023	0.032	0.066
Mean	0.019	0.026	0.046
%RSD	27.850	23.485	41.457

EVOLUTION by Micro-Active Australia Pty Ltd 11:34:14 AM October 1, 1996

INTENSITIES
Identity 1 : STD 02 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 11:27:22 AM October 1, 1996

	All	Bal	Bel	Cdl	Col	Cr2	Cul
# 1	16.462	248.254	214.716	206.424	112.038	184.376	97.223
# 2	16.398	247.269	213.836	206.224	111.647	183.901	96.735
# 3	16.437	248.067	214.567	207.259	111.815	184.485	97.012
Mean	16.432	247.863	214.373	206.636	111.833	184.254	96.990
%RSD	0.196	0.211	0.220	0.266	0.175	0.169	0.252

	Fel	Mgl	Mnl	Nil	Pbl	Sbl	Tll
# 1	217.952	26.767	774.302	54.974	25.976	19.663	10.662
# 2	217.974	26.613	772.965	54.787	25.883	19.597	10.701
# 3	218.416	26.672	775.081	54.891	25.912	19.551	10.630
Mean	218.114	26.684	774.116	54.884	25.924	19.604	10.664
%RSD	0.120	0.291	0.138	0.171	0.184	0.287	0.333

	V 1	Znl
# 1	65.781	163.105
# 2	65.521	162.826
# 3	65.668	162.758
Mean	65.657	162.896
%RSD	0.199	0.113

INTENSITIES
Identity 1 : STD 03 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 11:29:32 AM October 1, 1996

	Agl
# 1	115.845
# 2	114.917
# 3	112.579
Mean	114.447
%RSD	1.471

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LRV1 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:33:20 AM October 1, 1996

		Agl ppm	All ppm	Bal ppm	Bel ppm	Cdl ppm	Col ppm	Cr2 ppm
# 1	L	-0.003	49.852	19.974 H	20.017 H	20.103 H	20.043 H	20.086
# 2	L	-0.000	49.717	19.896	19.939 H	20.064	19.966 H	20.002
# 3	L	-0.001	49.552	19.841	19.857	19.971	19.919	19.931
Mean	L	-0.001	49.707	19.904	19.938 H	20.046	19.976 H	20.006
%RSD		81.662	0.302	0.334	0.401	0.337	0.312	0.388

	Cul ppm	Fel ppm	Mgl ppm	Mnl ppm	Nil ppm	Pbl ppm	Sbl ppm
# 1	19.987 H	50.189 H	50.124 H	20.037 H	20.021 H	20.125 H	20.099
# 2	19.890 H	50.061	49.786	19.983	19.927 H	20.049 H	20.009
# 3	19.840	49.808	49.672	19.893	19.834	19.868	19.938
Mean	19.905 H	50.020	49.861	19.971	19.927 H	20.014 H	20.015
%RSD	0.375	0.388	0.471	0.365	0.471	0.661	0.402

	Tll ppm	V 1 ppm	Znl ppm
# 1	19.903 H	20.016 H	20.041
# 2	19.933	19.937	19.926
# 3	19.856	19.866	19.851

	ppm	ppm	ppm
# 1	19.903 H	20.016 H	20.041
# 2	19.933	19.937	19.926
# 3	19.856	19.866	19.851

EVOLUTION by Micro-Active Australia Pty Ltd 11:44:12 AM October 1, 1996

[illegible]	19.897	19.940	19.939
[illegible]D	0.196	0.376	0.480

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LRV2 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:36:48 AM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	H	21.242	0.022	0.014	0.012	0.013	0.012	0.015
# 2	H	21.112	0.041	0.014	0.012	0.015	0.013	0.018
# 3	H	21.119	0.032	0.014	0.012	0.015	0.009	0.019
Mean	H	21.158	0.032	0.014	0.012	0.014	0.011	0.017
%RSD		0.346	29.032	0.899	1.309	4.910	19.119	11.680

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.012	0.051	0.041	0.012	0.017 L	-0.018	0.593
# 2	0.013	0.057	0.061	0.012	0.020	0.014	0.672
# 3	0.012	0.068	0.046	0.012	0.009 L	-0.003	0.792
Mean	0.013	0.058	0.049	0.012	0.015 L	-0.002	0.686
%RSD	4.337	14.389	21.593	0.748	37.973	662.998	14.599

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.004	0.007	0.009
# 2 L	-0.017	0.008	0.012
# 3	0.024	0.009	0.010
Mean	0.004	0.008	0.010
%RSD	552.058	9.437	15.479

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:40:16 AM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	10.441	0.038	10.046	9.819	10.195	10.261	10.013
# 2	10.423	0.032	10.037	9.797	10.158	10.237	9.976
# 3	10.406	0.032	10.017	9.789	10.183	10.251	9.998
Mean	10.423	0.034	10.033	9.802	10.179	10.250	9.996
%RSD	0.171	10.512	0.148	0.158	0.183	0.117	0.187

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	10.065	9.774	9.615	10.037	10.129	10.089	9.967
# 2	10.046	9.735	9.596	10.012	10.119	10.030	9.833
# 3	10.020	9.715	9.576	10.003	10.116	10.047	9.945
Mean	10.044	9.741	9.596	10.017	10.121	10.056	9.915
%RSD	0.225	0.305	0.205	0.175	0.065	0.300	0.727

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	8.518	10.027	10.240
# 2	8.516	10.009	10.187
# 3	8.519	9.992	10.183
Mean	8.518	10.009	10.203
%RSD	0.022	0.175	0.313

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVB Identity 2 : Type : SAMPLE
[illegible] Volume : 1.00

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:43:46 AM October 1, 1996

EVOLUTION by Micro-Active Australia Pty Ltd 11:51:14 AM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.250	25.260	0.495	0.250	0.269	0.515	0.507
# 2	0.251	25.223	0.496	0.251	0.265	0.523	0.508
# 3	0.249	25.183	0.497	0.252	0.273	0.520	0.502
Mean	0.250	25.222	0.496	0.251	0.269	0.519	0.506
%RSD	0.290	0.152	0.164	0.298	1.548	0.831	0.710

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.500	23.931	24.214	0.500	0.511	0.500	0.389
# 2	0.500	23.958	24.272	0.498	0.501	0.479	0.404
# 3	0.503	24.031	24.299	0.504	0.509	0.481	0.453
Mean	0.501	23.974	24.262	0.501	0.507	0.487	0.415
%RSD	0.321	0.217	0.178	0.657	1.047	2.294	8.076

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.230	0.504	0.504
# 2	0.228	0.505	0.512
# 3	0.191	0.510	0.497
Mean	0.216	0.506	0.504
%RSD	10.296	0.671	1.467

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVTL Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:47:14 AM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.015	0.029	0.004	0.000	0.002	0.014	0.009
# 2	0.018	0.038	0.004	0.001	0.003	0.009	0.009
# 3	0.018	0.038	0.004	0.000	0.006	0.013	0.010
Mean	0.017	0.035	0.004	0.001	0.003	0.012	0.009
%RSD	8.497	15.283	2.829	10.189	56.724	24.163	4.259

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.005	0.018	0.020	0.000	0.010 L	-0.029	0.117
# 2	0.006	0.021	0.026	0.000	0.016 L	-0.005	0.131
# 3	0.005	0.026	0.014	0.000	0.004 L	-0.032	0.140
Mean	0.005	0.022	0.020	0.000	0.010 L	-0.022	0.129
%RSD	6.662	17.498	28.125	84.863	58.689	67.612	8.904

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	10.247	0.011	0.042
# 2	10.158	0.015	0.050
# 3	10.115	0.017	0.052
Mean	10.173	0.014	0.048
%RSD	0.659	20.591	10.114

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:50:42 AM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.000 L	-0.005	0.004	0.000	0.002	0.007	0.004
# 2	-0.001 L	-0.011	0.003	0.000	0.002	0.011	0.003
# 3	0.000 L	-0.008	0.004	0.001	0.001	0.008	0.007

	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.000 L	-0.005	0.004	0.000	0.002	0.007	0.004
# 2 L	-0.001 L	-0.011	0.003	0.000	0.002	0.011	0.003
# 3	0.000 L	-0.008	0.004	0.001	0.001	0.008	0.007

EVOLUTION by Micro-Active Australia Pty Ltd 11:58:14 AM October 1, 1996

Mean L	-0.000 L	-0.008	0.004	0.001	0.002	0.009	0.005
%RSD	192222.991	37.500	15.126	10.246	30.767	24.326	43.279

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	-0.000 L	-0.001	0.001	0.001 L	-0.004 L	-0.020	0.079
# 2 L	-0.000 L	-0.004 L	-0.002	0.001 L	-0.011 L	-0.040	0.089
# 3	0.001 L	-0.003	0.007 L	-0.000 L	-0.004 L	-0.054	0.071
Mean	0.000 L	-0.003	0.002	0.000 L	-0.007 L	-0.038	0.080
%RSD	754.983	72.481	251.661	113.819	61.468	44.992	10.939

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.021 L	-0.002 L	-0.005
# 2 L	-0.023 L	-0.004 L	-0.005
# 3	0.036 L	-0.001 L	-0.004
Mean	0.011 L	-0.002 L	-0.004
%RSD	268.226	64.145	16.217

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CRII Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:54:08 AM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.022 L	-0.002	0.004	0.011	0.012	0.113	0.027
# 2	0.021 L	-0.008	0.003	0.011	0.013	0.116	0.025
# 3	0.021 L	-0.014	0.003	0.011	0.013	0.111	0.023
Mean	0.021 L	-0.008	0.003	0.011	0.013	0.113	0.025
%RSD	2.524	75.000	7.451	0.875	4.652	2.166	7.840

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.050 L	-0.009 L	-0.010	0.030	0.077 L	-0.025	0.103
# 2	0.050 L	-0.003 L	-0.014	0.031	0.079 L	-0.014	0.097
# 3	0.050 L	-0.001 L	-0.014	0.031	0.080 L	-0.016	0.112
Mean	0.050 L	-0.004 L	-0.012	0.030	0.078 L	-0.018	0.104
%RSD	0.633	94.348	17.321	1.495	2.094	31.366	6.859

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.002	0.099	0.046
# 2	0.015	0.095	0.045
# 3	0.038	0.095	0.046
Mean	0.018	0.096	0.046
%RSD	99.387	2.109	0.711

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:57:36 AM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.022 H	492.706	0.008	0.000	0.058	0.044	0.001
# 2 L	-0.022 H	492.517	0.008	0.000	0.055	0.042	0.002
# 3 L	-0.021 H	491.746	0.008	0.000	0.058	0.048	0.006
Mean L	-0.022 H	492.323	0.008	0.000	0.057	0.044	0.003
%RSD	3.356	0.103	2.637	21.651	3.114	6.993	80.972

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.011 H	179.271 H	475.892	0.016 L	-0.014 L	-0.079 L	-0.047

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.050 L	-0.009 L	-0.010	0.030	0.077 L	-0.025	0.103
# 2	0.050 L	-0.003 L	-0.014	0.031	0.079 L	-0.014	0.097
# 3	0.050 L	-0.001 L	-0.014	0.031	0.080 L	-0.016	0.112
Mean	0.050 L	-0.004 L	-0.012	0.030	0.078 L	-0.018	0.104
%RSD	0.633	94.348	17.321	1.495	2.094	31.366	6.859

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.002	0.099	0.046
# 2	0.015	0.095	0.045
# 3	0.038	0.095	0.046
Mean	0.018	0.096	0.046
%RSD	99.387	2.109	0.711

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 11:57:36 AM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.022 H	492.706	0.008	0.000	0.058	0.044	0.001
# 2 L	-0.022 H	492.517	0.008	0.000	0.055	0.042	0.002
# 3 L	-0.021 H	491.746	0.008	0.000	0.058	0.048	0.006
Mean L	-0.022 H	492.323	0.008	0.000	0.057	0.044	0.003
%RSD	3.356	0.103	2.637	21.651	3.114	6.993	80.972

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.011 H	179.271 H	475.892	0.016 L	-0.014 L	-0.079 L	-0.047
# 2	0.010 H	179.351 H	476.591	0.016 L	-0.012 L	-0.094 L	-0.030

paper JAM
Reprint

	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1	Sb1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.011 H	179.271 H	475.892	0.016 L	-0.014 L	-0.079 L	-0.047
# 2	0.010 H	179.351 H	476.591	0.016 L	-0.012 L	-0.094 L	-0.030

paper jam
Reprint

# 3	L	-0.005	0.076	0.941	0.001			
Mean	L	-0.005	0.085	0.945	0.001	0.001	0.018	0.011
%RSD		9.345	10.066	0.419	8.660	202.595	32.642	17.416

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.005	0.048	6.769	0.271	0.010 L	-0.026	0.036
# 2	0.005	0.043	6.746	0.271	0.003 L	-0.002	0.071
# 3	0.004	0.044	6.676	0.266	0.011	0.009	0.063

# 1	0.005	0.043	6.769	0.271	0.010 L	-0.026	0.056
# 2	0.005	0.043	6.746	0.271	0.003 L	-0.002	0.071
# 3	0.004	0.044	6.676	0.266	0.011	0.009	0.063
Mean	0.005	0.045	6.730	0.269	0.008 L	-0.006	0.057

EVOLUTION by Micro-Active Australia Pty Ltd 2:21:18 PM October 1, 1996

%RSD	2.936	4.807	0.726	1.077	59.903	272.008	32.656

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.037 L	-0.004	0.107
# 2	0.029 L	-0.008	0.109
# 3	0.009 L	-0.001	0.108
Mean	0.000 L	-0.004	0.108
%RSD	14447.639	77.911	1.272

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : PBS:14818 Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 2:17:36 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.198	3.162	0.424	0.003	0.339	0.447	0.658
# 2 L	-0.303	2.856	0.351 L	-0.006	0.561	0.193	0.561
# 3 L	-0.181	1.632	0.319 L	-0.025	0.310	0.139	0.148
Mean L	-0.227	2.550	0.365 L	-0.009	0.403	0.260	0.456
%RSD	29.120	31.749	14.796	152.753	34.139	63.305	59.397

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.206	1.598	9.686	0.192	0.716	1.247 L	-0.801
# 2	0.144	1.758	9.686	0.220	0.826 L	-0.759	0.612
# 3	0.165	0.612	9.124	0.213	0.571 L	-0.604 L	-3.299
Mean	0.172	1.323	9.499	0.208	0.704 L	-0.039 L	-1.163
%RSD	18.330	46.947	3.419	7.049	18.170	2891.111	170.277

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-1.318	0.772	1.296
# 2	3.003	0.955	1.284
# 3	2.064	0.985	1.628
Mean	1.250	0.904	1.402
%RSD	181.834	12.762	13.917

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCS:14818 Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : *0.5000* Volume : *50.00*
Spooler time : 2:21:12 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	9.212	96.793	899.564	89.926	91.932	93.449	92.709
# 2	9.090	96.181	896.214	89.142	91.884	92.379	92.242
# 3	9.055	95.875	901.648	89.991	91.100	92.741	92.470
Mean	9.119	96.283	899.142	89.686	91.639	92.856	92.474
%RSD	0.906	0.485	0.305	0.527	0.510	0.586	0.252

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	93.218	91.262	100.614	93.128	93.110	92.259	0.367
# 2	92.929	91.262	99.864	92.427	91.361	92.954	3.084
# 3	93.259	89.588	99.114	92.973	92.090	94.883	0.477
Mean	93.135	90.704	99.864	92.843	92.187	93.365	1.309
%RSD	0.193	1.066	0.751	0.396	0.953	1.456	117.484

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	72.117	92.009	93.138
# 2	78.692	91.857	92.930

	Ti	V	Zn
	ppm	ppm	ppm
# 1	72.117	92.009	93.138
# 2	78.692	91.857	92.930
# 3	71.553	93.045	93.421

Mean	74.121	92.304	93.169
%RSD	5.355	0.701	0.265

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10656-1 Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 0.5160 Volume : 50.00
Spooler time : 2:24:42 PM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-1.665	4789.947	33.718	0.401	3.655	5.952	12.344
# 2	L	-1.614	4790.243	33.702	0.392	3.937	6.022	12.417
# 3	L	-1.548	4791.726	33.694	0.401	3.984	6.461	11.881
Mean	L	-1.609	4790.638	33.705	0.398	3.859	6.145	12.214
%RSD		3.632	0.020	0.036	1.312	4.598	4.495	2.381

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	4.617 H	12637.968	363.634	196.229	7.252	5.221	0.918
# 2	4.597 H	12640.079	365.269	195.816	7.429	10.006	1.444
# 3	4.617 H	12618.615	363.271	195.470	7.076	6.791	1.441
Mean	4.611 H	12632.220	364.058	195.838	7.252	7.339	1.268
%RSD	0.250	0.094	0.292	0.194	2.434	33.235	23.912

		Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	L	-3.026	11.319	23.592
# 2	L	-6.667	11.585	23.604
# 3	L	-3.207	11.290	23.797
Mean	L	-4.300	11.398	23.664
%RSD		47.718	1.427	0.486

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:28:18 PM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-0.004	25.765	9.977	10.017	10.197	10.190	10.086
# 2	L	-0.005	25.765	9.989	10.036	10.218	10.166	10.105
# 3	L	-0.005	25.685	9.969	10.011	10.218	10.110	10.094
Mean	L	-0.005	25.738	9.978	10.021	10.211	10.155	10.095
%RSD		12.516	0.178	0.100	0.131	0.121	0.401	0.093

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	10.021	24.026	24.690	10.116	10.135	10.189	9.899
# 2	10.034	24.133	24.760	10.114	10.145	10.156	9.814
# 3	10.006	24.092	24.683	10.102	10.122	10.110	9.689
Mean	10.020	24.084	24.711	10.111	10.134	10.152	9.800
%RSD	0.142	0.225	0.172	0.076	0.110	0.389	1.076

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	10.108	10.012	10.143
# 2	10.215	10.028	10.137
# 3	10.120	10.010	10.130
Mean	10.148	10.017	10.137
%RSD	0.580	0.098	0.063

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14757,LSS,, Type : SAMPLE

%RSD 0.580 0.098 0.063

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
EVOLUTION by Micro-Active Australia Pty Ltd 2:32:20 PM October 1, 1996

Sampler time : 2:31:58 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	10.507	0.032	0.004	0.001	0.003	0.003	0.006
# 2	10.536	0.044	0.004	0.001 L	-0.002	0.014	0.006
# 3	10.482	0.029	0.004	0.001	0.000	0.008	0.008
Mean	10.508	0.035	0.004	0.001	0.000	0.008	0.006
%RSD	0.257	23.345	7.423	5.774	720.208	65.333	20.938

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.004 L	-0.001 L	-0.006	0.001 L	-0.003 L	-0.037	0.355
# 2	0.003 L	-0.002 L	-0.012	0.001	0.004 L	-0.017	0.436
# 3	0.004	0.002	0.001	0.001	0.008 L	-0.018	0.502
Mean	0.004 L	-0.000 L	-0.006	0.001	0.003 L	-0.024	0.431
%RSD	21.209	785.895	117.063	16.553	181.331	47.776	17.054

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.021 L	-0.012 L	-0.001
# 2 L	-0.036 L	-0.015	0.000
# 3	0.015 L	-0.012 L	-0.002
Mean L	-0.014 L	-0.013 L	-0.001
%RSD	189.123	11.745	134.735

EVOLUTION by Micro-Active Australia Pty Ltd 2:43:18 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:35:32 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.001	0.025	0.003	0.000	0.004	0.011	0.000
# 2 L	-0.004	0.029	0.003	0.000	0.006	0.006 L	-0.001
# 3 L	-0.002	0.032	0.003	0.000	0.003	0.010 L	-0.000
Mean L	-0.002	0.029	0.003	0.000	0.005	0.009 L	-0.001
%RSD	61.668	10.714	7.706	57.735	24.537	31.643	182.248

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.004 L	-0.010	0.005	0.001 L	-0.003 L	-0.023	0.083
# 2	0.004 L	-0.011 L	-0.006	0.001 L	-0.003 L	-0.028	0.108
# 3	0.004 L	-0.014	0.001	0.000	0.001 L	-0.022	0.100
Mean	0.004 L	-0.012 L	0.000	0.001 L	-0.002 L	-0.024	0.097
%RSD	9.116	21.283312032731	84736.000	81.097	140.364	13.148	13.073

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.009 L	-0.002 L	-0.001
# 2	0.004 L	-0.003 L	-0.004
# 3 L	-0.004 L	-0.004 L	-0.005
Mean L	-0.003 L	-0.003 L	-0.003
%RSD	210.764	22.304	49.956

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10656-1D Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 0.5080 Volume : 50.00
Spooler time : 2:39:06 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-1.125 H	5153.915	35.318	0.389	2.732	6.688	13.264
# 2 L	-1.008 H	5120.787	35.151	0.389	2.828	6.277	12.987
# 3 L	-0.937 H	5134.340	35.247	0.380	2.447	6.688	13.382
Mean L	-1.023 H	5136.347	35.239	0.386	2.669	6.551	13.211
%RSD	9.314	0.324	0.239	1.375	7.426	3.618	1.536

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	4.548 H	9054.248	393.718	188.951	8.026	5.818	4.899
# 2	4.731 H	9025.221	391.319	187.985	8.815	2.249	5.268
# 3	4.649 H	9049.755	391.504	188.168	8.600	5.286	8.777
Mean	4.643 H	9043.075	392.180	188.368	8.480	4.451	6.315
%RSD	1.972	0.173	0.340	0.272	4.809	43.258	33.903

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-3.261	10.508	20.841
# 2	0.068	10.838	20.591
# 3	2.657	10.778	20.878
Mean L	-0.179	10.708	20.770
%RSD	1660.875	1.641	0.752

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10656-1MS Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 0.5120 Volume : 50.00
Spooler time : 2:42:46 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Weight : 0.5120 Volume : 50.00
Spooler time : 2:42:46 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 2:43:22 PM October 1, 1996							
# 1	7.901 H	5648.517	900.443	87.517	91.959	94.376	105.015
# 2	7.797 H	5637.461	899.630	87.400	91.602	96.119	104.946
# 3	7.997 H	5671.226	907.192	88.393	92.309	97.670	105.598
Mean	7.898 H	5652.401	902.088	87.800	91.950	95.722	105.152
%RSD	1.267	0.305	0.500	0.585	0.396	1.805	0.375

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	95.001 H	10927.362	459.848	310.260	97.811	98.032	6.950
# 2	94.961 H	10904.722	461.313	310.871	97.739	97.581	2.615
# 3	95.686 H	11028.468	465.341	313.482	98.060	97.954	3.946
Mean	95.216 H	10953.518	462.167	311.538	97.870	97.856	4.504
%RSD	0.428	0.602	0.615	0.549	0.172	0.247	49.304

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	72.885	101.370	114.271
# 2	70.866	100.775	114.430
# 3	76.369	101.608	114.510
Mean	73.373	101.251	114.404
%RSD	3.794	0.424	0.106

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EVOLUTION by Micro-Active Australia Pty Ltd 2:54:20 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10666-1MD Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 0.5040 Volume : 50.00
Spooler time : 2:46:18 PM October 1, 1996

	Ag1 ppm		Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	7.580	H	5034.233	884.056	85.591	90.041	94.002	96.582
# 2	7.668	H	5025.126	884.088	85.851	89.091	91.753	96.495
# 3	7.811	H	5029.376	886.365	86.156	89.772	93.535	97.335
Mean	7.687	H	5029.578	884.837	85.866	89.635	93.097	96.804
%RSD	1.518		0.091	0.150	0.329	0.546	1.275	0.477

	Cu1 ppm		Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	92.109	H	10105.607	459.708	292.012	95.527	93.031	2.691
# 2	92.273	H	10122.236	460.266	293.114	96.828	96.934	4.537
# 3	92.519	H	10163.547	461.568	294.419	96.214	97.622	3.776
Mean	92.300	H	10130.464	460.514	293.182	96.189	95.862	3.668
%RSD	0.223		0.294	0.207	0.411	0.677	2.583	25.291

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	76.467	96.237	110.622
# 2	77.026	96.842	111.570
# 3	78.144	97.356	110.688
Mean	77.213	96.812	110.960
%RSD	1.106	0.578	0.477

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10501-1 Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 0.1100 Volume : 50.00
Spooler time : 2:49:50 PM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-47.446	380.163	3.109	0.057	59.357	31.381	60.024
# 2	L	-46.493	384.336	3.441	0.184	59.049	33.771	64.267
# 3	L	-47.685	377.382	3.072	0.057	58.214	29.979	60.912
Mean	L	-47.208	380.627	3.207	0.099	58.873	31.710	61.735
%RSD		1.335	0.920	6.331	74.231	1.005	6.047	3.625

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	175.431	Over-range	43.177	1897.582	51.282	18.297	57.568
# 2	175.900	Over-range	49.994	1901.739	51.944	9.879	58.550
# 3	174.962	Over-range	47.438	1885.874	55.587	19.700	53.620
Mean	175.431	Over-range	46.870	1895.065	52.938	15.959	56.579
%RSD	0.267	n/a	7.348	0.434	4.380	33.283	4.611

		Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	L	-111.883	15.698	210.410
# 2	L	-86.266	17.222	208.121
# 3	L	-90.535	15.283	205.386
Mean	L	-96.228	16.068	207.973
%RSD		14.263	6.354	1.209

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10501-2 Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 0.1010 Volume : 50.00
Spooler time : 2:53:26 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Weight : 0.1010 Volume : 50.00
Spooler time : 2:53:26 PM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 2:54:22 PM October 1, 1996								
# 1	L	-84.115	1016.921	37.033	0.154	111.814	58.328	204.268
# 2	L	-84.893	1027.524	36.872	0.015	109.707	52.852	203.839
# 3	L	-85.845	1015.406	36.631 L	-0.031	110.952	53.480	203.247
Mean	L	-84.951	1019.950	36.845	0.046	110.824	54.887	203.785
%RSD		1.020	0.647	0.548	208.167	0.956	5.460	0.252

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	87.311	Over-range	469.316	3552.066	61.071	27.185	109.162
# 2	86.596	Over-range	471.172	3550.147	57.464	22.220	94.085
# 3	85.984	Over-range	463.747	3552.462	56.202	0.828	83.343
Mean	86.630	Over-range	468.079	3551.558	58.246	16.744	95.530
%RSD	0.767	n/a	0.826	0.035	4.339	83.647	13.577

		Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	L	-90.347	29.317	500.517
# 2	L	-120.110	29.317	497.964
# 3	L	-103.366	29.015	502.706
Mean	L	-104.607	29.216	500.395
%RSD		14.263	0.596	0.474

EVOLUTION by Micro-Active Australia Pty Ltd 3:04:20 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10501-3 Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 0.1080 Volume : 50.00
Spooler time : 2:56:58 PM October 1, 1996

		Ag1 ppm		Al1 ppm		Ba1 ppm		Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-5.356	H	50453.672	H	9322.779		0.058	30.273	160.929	1500.057
# 2	L	-6.216	H	50719.991	H	9371.067		0.014	26.645	161.936	1502.168
# 3	L	-5.705	H	50881.482	H	9408.277		0.014	28.347	161.685	1509.856
Mean	L	-5.759	H	50685.048	H	9367.374		0.029	28.422	161.517	1504.027
%RSD		7.511		0.426		0.458		86.603	6.385	0.325	0.343

	Cu1 ppm		Fe1 ppm	Mg1 ppm	Mn1 ppm		Ni1 ppm		Pb1 ppm	Sb1 ppm
# 1	60.547	H	66927.279	1719.135	463.310		18.326	H	207829.574	172.185
# 2	60.547	H	67224.865	1719.135	467.341		17.316	H	209184.572	156.204
# 3	60.738	H	67478.492	1736.494	470.152		16.474	H	210115.171	177.099
Mean	60.610	H	67210.212	1724.922	466.934		17.372	H	209043.106	168.496
%RSD	0.182		0.411	0.581	0.737		5.340		0.550	6.484

		Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	L	-131.879	5.831	2287.530
# 2	L	-133.619	5.267	2296.019
# 3	L	-122.317	6.255	2311.110
Mean	L	-129.272	5.784	2298.220
%RSD		4.708	8.566	0.520

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10501-4 Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 0.1000 Volume : 50.00
Spooler time : 3:00:32 PM October 1, 1996

		Ag1 ppm		Al1 ppm		Ba1 ppm		Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-72.636	H	27383.114		1852.048	L	-0.218	100.502	100.987	183.301
# 2	L	-72.286	H	27459.610		1860.645	L	-0.311	99.583	100.624	184.441
# 3	L	-71.413	H	27422.892		1860.929	L	-0.171	100.019	97.269	186.449
Mean	L	-72.112	H	27421.872		1857.874	L	-0.233	100.035	99.627	184.730
%RSD		0.874		0.140		0.272		30.551	0.460	2.058	0.863

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm		Pb1 ppm	Sb1 ppm
# 1	129.750	Over-range	719.607	1606.515	43.459	H	30649.202	89.429
# 2	129.956	Over-range	716.794	1609.434	46.192	H	30773.435	93.665
# 3	130.368	Over-range	714.920	1613.374	51.110	H	30810.859	91.001
Mean	130.025	Over-range	717.107	1609.775	46.920	H	30744.499	91.365
%RSD	0.242	n/a	0.329	0.214	8.263		0.275	2.343

		Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	L	-68.773	21.992	288.833
# 2	L	-57.499	21.535	290.368
# 3	L	-64.074	24.887	287.912
Mean	L	-63.449	22.804	289.037
%RSD		8.925	7.971	0.429

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10501-5 Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 0.1040 Volume : 50.00
Spooler time : 3:04:06 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2
	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Weight : [illegible] 0.1040 Volume : [illegible] 50100
Spooler time : 3:04:06 PM October 1, 1996

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm

EVOLUTION by Micro-Active Australia Pty Ltd 3:11:20 PM October 1, 1996

# 1	L	-2.034	H	102895.240	137.073	0.105	7.999	214.551	2029.836
# 2	L	-1.113	H	102289.154	136.566	0.329	10.510	212.110	2037.872
# 3	L	-0.203	H	101597.746	135.669	0.284	10.464	211.151	2019.974
Mean	L	-1.117	H	102260.714	136.436	0.239	9.657	212.604	2029.228
%RSD		82.016		0.635	0.521	49.608	14.876	0.825	0.442

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	87.173	16820.250	1231.833	217.128	7.012 H	103527.410	62.752
# 2	88.363	16790.877	1233.635	216.830	8.238 H	102958.330	68.855
# 3	88.363	16655.114	1230.931	215.712	10.339 H	102644.486	60.454
Mean	87.966	16755.414	1232.133	216.557	8.530 H	103043.409	64.021
%RSD	0.781	0.526	0.112	0.345	19.727	0.434	6.782

		Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	L	-167.457	6.642	5610.875
# 2	L	-167.457	8.986	5605.624
# 3	L	-157.521	9.572	5572.518
Mean	L	-164.145	8.400	5596.339
%RSD		3.495	18.459	0.372

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:07:36 PM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-0.003	25.612	9.944	9.999	10.246	10.176	10.094
# 2	L	-0.007	25.725	9.999	10.056	10.275	10.250	10.128
# 3	L	-0.006	25.557	9.956	10.038	10.273	10.190	10.139
Mean	L	-0.005	25.631	9.966	10.031	10.265	10.205	10.120
%RSD		36.701	0.335	0.288	0.291	0.159	0.388	0.232

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	9.987	24.228	24.653	10.135	10.154	10.006	9.897
# 2	10.046	24.295	24.820	10.142	10.194	10.116	9.816
# 3	9.989	24.349	24.718	10.138	10.183	10.108	9.693
Mean	10.007	24.291	24.730	10.138	10.177	10.077	9.802
%RSD	0.332	0.250	0.340	0.031	0.203	0.607	1.043

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	10.150	9.985	10.113
# 2	10.236	10.038	10.122
# 3	10.180	10.020	10.136
Mean	10.189	10.014	10.124
%RSD	0.430	0.266	0.116

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:11:12 PM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1		10.502	0.032	0.005	0.002 L	-0.003	0.011	0.011
# 2		10.479	0.047	0.005	0.002 L	-0.000	0.012	0.014
# 3		10.477	0.035	0.005	0.002	0.001	0.009	0.012
Mean		10.486	0.038	0.005	0.002 L	-0.001	0.011	0.013
%RSD		0.134	21.452	6.106	5.769	230.700	14.369	12.091

3	10.477	0.035	0.005	0.002	0.001	0.009	0.012
Mean	10.486	0.038	0.005	0.002 L	-0.001	0.011	0.013
%RSD	0.134	21.452	6.106	5.769	230.700	14.369	12.091

EVOLUTION by Micro-Active Australia Pty Ltd 3:18:24 PM October 1, 1996

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.007	0.007	0.020	0.002	0.004	0.019	0.409
# 2	0.006	0.005	0.003	0.002 L	-0.005 L	-0.036	0.468
# 3	0.005	0.012	0.011	0.002 L	-0.002 L	-0.008	0.512
Mean	0.006	0.008	0.011	0.002 L	-0.001 L	-0.009	0.463
%RSD	12.433	44.488	75.154	10.678	561.886	317.913	11.177

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.054	0.001	0.002
# 2 L	-0.008	0.001	0.001
# 3	0.060	0.004 L	-0.000
Mean	0.036	0.002	0.001
%RSD	105.135	65.983	114.602

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:14:44 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.005	0.029	0.003	0.001	0.004	0.013	0.002
# 2 L	-0.004	0.013	0.004	0.001	0.006	0.007	0.002
# 3 L	-0.003	0.032	0.004	0.001	0.005	0.006	0.003
Mean L	-0.004	0.024	0.003	0.001	0.005	0.009	0.002
%RSD	15.483	40.182	7.160	8.248	26.500	39.631	30.265

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.004 L	-0.010 L	-0.004	0.000	0.006	0.006	0.085
# 2	0.003 L	-0.009 L	-0.001	0.001	0.012	0.016	0.084
# 3	0.004 L	-0.015	0.009	0.000 L	-0.001 L	-0.009	0.052
Mean	0.004 L	-0.011	0.001	0.000	0.006	0.005	0.074
%RSD	17.221	29.464	540.833	86.494	118.219	284.950	25.930

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.000 L	-0.002 L	-0.004
# 2	0.011 L	-0.003 L	-0.003
# 3 L	-0.004	0.001 L	-0.004
Mean	0.003 L	-0.001 L	-0.004
%RSD	312.326	130.345	14.003

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10656-1D Identity 2 : 14757,LSS,, Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 3:18:20 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.234 L	-2.958	2.493 L	-0.212	0.842	3.077	3.231
# 2	0.993	45.694	2.825 L	-0.165	1.364	3.331	4.479
# 3	2.300	241.216	4.107 L	-0.100	1.606	3.603	5.933
Mean	1.176	94.651	3.141 L	-0.159	1.270	3.337	4.548
%RSD	88.862	136.543	27.128	35.457	30.744	7.882	29.742

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	4.538 L	-43.993	6.687	0.003	2.720	1.596	9.965
# 2	4.889	30.305	14.186	1.590	4.505	4.835	8.395
# 3	5.528	342.771	33.309	8.209	5.345	5.213	12.328

# 1	[illegible]	431.993	16.687	0.003	2.720	1.596	9.965
# 2	4.889	30.305	14.186	1.590	4.505	4.835	7.395
# 3	5.528	342.771	33.309	8.209	5.345	5.213	12.328
Mean	4.985	109.694	18.060	3.267	4.190	3.881	9.896

%RSD	10.071	187.102	76.008	133.207	31.992	51.225	24.928

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.002	1.747 L	-1.853
# 2	3.754	2.539 L	-1.347
# 3	5.627	4.063 L	-0.442
Mean	3.126	2.783 L	-1.214
%RSD	91.685	42.292	58.884

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10808-2 Identity 2 : 14737,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 50.00
Spooler time : 3:21:56 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.012 H	37.881	0.280	0.002	0.030	0.017	0.071
# 2 L	-0.012 H	38.081	0.281	0.002	0.026	0.020	0.069
# 3 L	-0.013 H	38.293	0.282	0.002	0.027	0.017	0.066
Mean L	-0.012 H	38.085	0.281	0.002	0.028	0.018	0.069
%RSD	5.022	0.540	0.426	5.033	7.534	10.700	4.155

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.025 H	100.230	3.565	0.340	0.024	0.037	0.028
# 2	0.025 H	100.362	3.574	0.341	0.024	0.037	0.009
# 3	0.024 H	100.476	3.573	0.342	0.025	0.021	0.030
Mean	0.025 H	100.356	3.571	0.341	0.024	0.032	0.022
%RSD	2.534	0.122	0.145	0.160	1.881	29.587	52.578

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.075	0.173	0.105
# 2 L	-0.051	0.175	0.108
# 3 L	-0.066	0.172	0.108
Mean L	-0.064	0.173	0.107
%RSD	19.241	0.867	1.647

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10808-4 Identity 2 : 14737,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 50.00
Spooler time : 3:25:30 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.002	2.869	0.060	0.000	0.003	0.007	0.009
# 2 L	-0.003	2.837	0.060	0.000	0.002	0.004	0.007
# 3 L	-0.003	2.881	0.060	0.000	0.004	0.007	0.008
Mean L	-0.003	2.862	0.060	0.000	0.003	0.006	0.008
%RSD	20.228	0.801	0.274	104.083	29.166	32.397	16.705

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.009	5.069	2.787	0.162	0.009 L	-0.008	0.003
# 2	0.009	4.999	2.779	0.161	0.007	0.010	0.009
# 3	0.009	5.031	2.782	0.161	0.011 L	-0.010 L	-0.003
Mean	0.009	5.033	2.782	0.161	0.009 L	-0.003	0.003
%RSD	4.335	0.695	0.136	0.559	23.327	430.224	183.450

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.038	0.007	0.054
# 2 L	-0.020	0.007	0.050

		Fe ppm	Mn ppm	Zn ppm
# 1	L	-0.038	0.007	0.054
# 2	L	-0.020	0.007	0.050
# 3	L	-0.011	0.007	0.050

Mean L	-0.023	0.007	0.051
%RSD	59.354	1.237	4.060

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : PBW:14749 Identity 2 : 14749,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 50.00
Spooler time : 3:29:00 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.002	0.004	0.001 L	-0.000 L	-0.001	0.004	0.001
# 2 L	-0.001	0.008	0.001 L	-0.000 L	-0.001	0.005	0.002
# 3 L	-0.001	0.008	0.001 L	-0.000 L	-0.001	0.004	0.001
Mean L	-0.001	0.007	0.001 L	-0.000 L	-0.001	0.004	0.001
%RSD	61.879	39.970	25.851	57.735	29.597	18.371	34.952

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1 L	-0.001 L	-0.002 L	-0.010	0.000 L	-0.005	0.005 L	-0.008
# 2	0.000	0.000 L	-0.000	0.001 L	-0.006 L	-0.003	0.004
# 3 L	-0.000	0.002 L	-0.005	0.000 L	-0.003 L	-0.013	0.007
Mean L	-0.000 L	-0.000 L	-0.005	0.000 L	-0.004 L	-0.003	0.001
%RSD	169.097	8802.422	93.750	28.647	32.366	261.605	859.354

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.009 L	-0.003	0.020
# 2	0.010 L	-0.002	0.020
# 3 L	-0.013 L	-0.003	0.021
Mean	0.002 L	-0.003	0.020
%RSD	606.214	20.658	1.223

10-2-96 BK Sub.

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCS:14749 Identity 2 : 14749,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 50.00
Spooler time : 3:32:30 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.101	1.056	9.660	0.977	0.981	1.004	0.976
# 2	0.102	1.055	9.714	0.987	1.003	1.009	0.982
# 3	0.102	1.058	9.651	0.981	0.987	1.008	0.981
Mean	0.102	1.056	9.675	0.981	0.990	1.007	0.979
%RSD	0.572	0.145	0.356	0.518	1.116	0.278	0.355

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.990	0.938	0.841	0.987	0.977	0.944	9.774
# 2	0.994	0.965	0.839	0.996	0.983	0.949	9.813
# 3	0.988	0.947	0.843	0.990	0.977	0.960	9.780
Mean	0.991	0.950	0.841	0.991	0.979	0.951	9.789
%RSD	0.305	1.447	0.281	0.462	0.334	0.850	0.217

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.818	0.963	0.991
# 2	0.858	0.973	1.002
# 3	0.825	0.964	0.988
Mean	0.834	0.967	0.994
%RSD	2.600	0.539	0.724

10-2-96 .974

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10824-1 Identity 2 : 14749,LSS,, Type : SAMPLE

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10824-1 Identity 2 : 14749,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 50.00

EVOLUTION by Micro-Active Australia Pty Ltd 3:43:20 PM October 1, 1996

Spooler time : 3:36:06 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.000	0.075	0.024 L	-0.000	0.001	0.006	0.005
# 2	0.000	0.079	0.024	0.000	0.002	0.005	0.004
# 3	0.000	0.077	0.024	0.000	0.000	0.004	0.005
Mean	0.000	0.077	0.024	0.000	0.001	0.005	0.005
%RSD	1001.236	1.987	0.687	124.900	99.015	13.441	5.305

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.041	0.100	4.526	0.003	0.004 L	-0.006	0.028
# 2	0.042	0.104	4.530	0.003	0.004 L	-0.008	0.012
# 3	0.041	0.102	4.538	0.002	0.001	0.000	0.011
Mean	0.042	0.102	4.531	0.003	0.003 L	-0.004	0.017
%RSD	0.759	2.050	0.126	5.302	60.098	95.384	55.156

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.027	0.000	0.055
# 2 L	-0.016 L	-0.000	0.054
# 3 L	-0.003	0.001	0.055
Mean L	-0.015	0.000	0.055
%RSD	76.735	183.303	0.961

10-2-96 JL .035

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10824-1D Identity 2 : 14749,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 50.00
Spooler time : 3:39:34 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.001	0.057	0.024	0.000	0.003	0.004	0.006
# 2 L	-0.001	0.056	0.024	0.000	0.002	0.002	0.005
# 3 L	-0.001	0.059	0.024	0.000	0.001	0.006	0.004
Mean L	-0.001	0.057	0.024	0.000	0.002	0.004	0.005
%RSD	16.602	2.679	0.171	0.000	45.873	56.981	23.539

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.041	0.077	4.540	0.002	0.005 L	-0.012	0.013
# 2	0.041	0.078	4.541	0.002 L	-0.003 L	-0.027	0.011
# 3	0.041	0.076	4.536	0.002	0.004 L	-0.013	0.018
Mean	0.041	0.077	4.539	0.002	0.002 L	-0.017	0.014
%RSD	0.433	1.285	0.066	3.261	221.203	46.569	28.248

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.002 L	-0.000	0.019
# 2	0.006 L	-0.002	0.019
# 3	0.003 L	-0.001	0.019
Mean	0.004 L	-0.001	0.019
%RSD	62.840	69.231	1.844

10-2-96 JL -.001

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10824-1MS Identity 2 : 14749,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 50.00
Spooler time : 3:43:08 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.096	1.099	9.544	0.970	0.964	0.982	0.956
# 2	0.096	1.094	9.448	0.959	0.954	0.967	0.951

	Ag1	All	Ba1	Be1	Ca1	Co1	Cr2
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.096	1.099	9.544	0.970	0.964	0.982	0.956
# 2	0.096	1.094	9.448	0.959	0.954	0.967	0.951
# 3	0.097	1.099	9.486	0.962	0.956	0.983	0.949

EVOLUTION by Micro-Active Australia Pty Ltd 3:50:20 PM October 1, 1996

Mean	0.096	1.097	9.493	0.963	0.958	0.977	0.952
%RSD	0.363	0.241	0.506	0.635	0.604	0.905	0.409

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	1.011	1.013	5.340	0.968	0.954	0.922	9.733
# 2	1.000	1.005	5.296	0.960	0.952	0.916	9.577
# 3	1.005	0.996	5.325	0.963	0.947	0.908	9.612
Mean	1.005	1.005	5.320	0.964	0.951	0.915	9.641
%RSD	0.529	0.848	0.421	0.425	0.362	0.718	0.848

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.779	0.953	0.991
# 2	0.760	0.943	0.984
# 3	0.777	0.949	0.978
Mean	0.772	0.948	0.985
%RSD	1.339	0.509	0.654

10-2-96 JK
.965

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10824-1MD Identity 2 : 14749,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 50.00
Spooler time : 3:46:40 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.097	1.102	9.602	0.979	0.978	1.002	0.964
# 2	0.095	1.094	9.544	0.969	0.960	0.980	0.956
# 3	0.095	1.102	9.559	0.972	0.973	0.988	0.958
Mean	0.096	1.100	9.568	0.973	0.970	0.990	0.959
%RSD	1.078	0.402	0.316	0.536	0.941	1.126	0.467

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	1.020	1.016	5.368	0.977	0.958	0.918	9.784
# 2	1.013	1.018	5.326	0.971	0.948	0.939	9.745
# 3	1.015	1.009	5.326	0.970	0.952	0.938	9.676
Mean	1.016	1.014	5.340	0.973	0.953	0.932	9.735
%RSD	0.381	0.436	0.456	0.410	0.532	1.292	0.560

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.817	0.960	1.007
# 2	0.820	0.952	0.995
# 3	0.818	0.949	0.999
Mean	0.818	0.954	1.000
%RSD	0.176	0.619	0.604

0.98
10-2-96

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10869-1 Identity 2 : 14749,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 50.00
Spooler time : 3:50:08 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.001	0.059	0.010 L	-0.000	0.001	0.015	0.008
# 2	0.001	0.068	0.009 L	-0.000 L	-0.000	0.013	0.007
# 3	0.001	0.059	0.010 L	-0.000	0.002	0.017	0.007
Mean	0.001	0.062	0.009 L	-0.000	0.001	0.015	0.008
%RSD	3.981	8.589	0.247	15.746	122.069	14.007	10.309

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.010	0.087	1.713	0.005	0.010 L	-0.002	0.061

# 2	0.009	0.091	1.716	0.005	0.009 L	-0.014	0.062
# 3	0.010	0.093	1.711	0.005	0.008	0.019	0.062
Mean	0.010	0.090	1.714	0.005	0.009	0.001	0.061
%RSD	2.845	3.284	0.138	3.185	7.607	1742.848	0.504

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.047 L	-0.005	0.069
# 2 L	-0.019 L	-0.003	0.068
# 3 L	-0.023 L	-0.005	0.069
Mean L	-0.030 L	-0.005	0.069
%RSD	51.166	22.194	0.538

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14749,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:53:34 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.003	25.618	10.015	10.230	10.480	10.346	10.263
# 2 L	-0.004	25.658	10.028	10.250	10.478	10.390	10.289
# 3 L	-0.003	25.627	10.007	10.237	10.501	10.391	10.274
Mean L	-0.003	25.634	10.017	10.239	10.486	10.375	10.276
%RSD	19.958	0.081	0.105	0.102	0.119	0.248	0.126

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	10.045	24.612	24.702	10.296	10.330	10.361	10.098
# 2	10.057	24.688	24.743	10.305	10.345	10.332	9.968
# 3	10.028	24.602	24.670	10.278	10.358	10.137	9.830
Mean	10.043	24.634	24.705	10.293	10.344	10.277	9.965
%RSD	0.143	0.191	0.148	0.135	0.136	1.185	1.342

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	10.289	10.153	10.287
# 2	10.187	10.157	10.307
# 3	10.375	10.147	10.251
Mean	10.284	10.152	10.282
%RSD	0.915	0.054	0.275

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14749,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:57:04 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	10.521	0.007	0.007	0.003	0.009	0.019	0.010
# 2	10.406	0.013	0.007	0.003	0.008	0.019	0.015
# 3	10.446	0.013	0.007	0.003	0.004	0.018	0.007
Mean	10.458	0.011	0.007	0.003	0.007	0.019	0.011
%RSD	0.560	31.492	4.755	5.710	36.736	0.974	37.156

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.003 L	-0.007	0.003	0.002 L	-0.006 L	-0.018	0.385
# 2	0.005 L	-0.010	0.022	0.002 L	-0.002 L	-0.031	0.453
# 3	0.004 L	-0.006	0.014	0.002 L	-0.003 L	-0.025	0.504
Mean	0.004 L	-0.007	0.013	0.002 L	-0.004 L	-0.025	0.447
%RSD	28.487	28.227	71.903	7.128	60.423	25.131	13.280

Mean	0.004 L	-0.007	0.013	0.002 L	-0.004 L	-0.025	0.447
%RSD	28.487	28.227	71.903	7.128	60.423	25.131	13.280

Tl1 V 1 Zn1

EVOLUTION by Micro-Active Australia Pty Ltd 4:04:22 PM October 1, 1996

		ppm	ppm	ppm
# 1	L	-0.043 L	-0.002 L	-0.000
# 2	L	-0.011	0.003	0.002
# 3		0.002	0.001	0.003
Mean	L	-0.018	0.001	0.001
%RSD		132.201	421.426	119.225

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14749,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:00:32 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.060	0.029	0.005	0.001	0.002	0.013	0.006
# 2	0.065	0.022	0.005	0.001	0.005	0.014	0.005
# 3	0.071	0.001	0.005	0.001	0.003	0.014	0.000
Mean	0.065	0.017	0.005	0.001	0.003	0.014	0.004
%RSD	8.060	83.397	4.194	19.094	45.896	3.543	80.408

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.002 L	-0.012	0.012	0.001	0.007 L	-0.024	0.117
# 2	0.002 L	-0.019	0.014	0.002	0.004 L	-0.003	0.126
# 3 L	-0.000 L	-0.007	0.001	0.001	0.005	0.007	0.106
Mean	0.001 L	-0.013	0.009	0.001	0.005 L	-0.007	0.116
%RSD	101.512	48.962	75.719	44.328	31.247	226.724	8.416

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.047	0.002 L	-0.003
# 2 L	-0.077	0.000 L	-0.002
# 3	0.002 L	-0.002 L	-0.005
Mean L	-0.041	0.000 L	-0.003
%RSD	97.833	650.641	36.548

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10702-1 Identity 2 : 14749,LSS,, Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 4:04:02 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	6.982	2917.878	83.776	0.208	6.694	4.836	22.398
# 2	6.873	2891.871	83.095	0.208	6.868	5.562	22.681
# 3	7.044	2908.699	83.736	0.180	6.510	4.891	22.377
Mean	6.967	2906.149	83.536	0.199	6.690	5.096	22.485
%RSD	1.245	0.454	0.457	8.119	2.675	7.928	0.754

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	122.055 H	19286.206	698.109	165.694	11.301	37.482	13.446
# 2	120.962 H	19067.906	690.422	163.828	10.826	29.462	13.049
# 3	121.828 H	19208.035	695.859	164.958	10.644	30.539	13.785
Mean	121.615 H	19187.382	694.797	164.827	10.924	32.494	13.426
%RSD	0.474	0.576	0.569	0.570	3.102	13.395	2.745

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-2.842	15.582	1417.136
# 2 L	-0.021	15.003	1405.988
# 3 L	-2.841	15.430	1412.933
Mean L	-1.901	15.338	1412.019

# 2	L	-0.021	15.003	1405.988
# 3	L	-2.841	15.430	1412.933
Mean	L	-1.901	15.338	1412.019
%RSD		85.635	1.957	0.399

EVOLUTION by Micro-Active Australia Pty Ltd 4:15:22 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10702-2 Identity 2 : 14749,LSS,, Type : SAMPLE
Weight : 0.5110 Volume : 50.00
Spooler time : 4:07:30 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	22.441	1659.918	54.356	0.131	4.713	3.472	48.583
# 2	22.456	1655.128	54.141	0.158	4.401	3.827	48.520
# 3	22.544	1653.930	54.253	0.149	4.477	3.685	48.297
Mean	22.480	1656.325	54.250	0.146	4.530	3.662	48.466
%RSD	0.247	0.191	0.198	9.547	3.596	4.879	0.311

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	171.038 H	9150.593	759.577	46.997	6.188	453.471	7.021
# 2	170.372 H	9130.107	758.843	46.936	5.689	454.378	7.560
# 3	170.190 H	9153.531	758.843	47.060	7.186	450.451	8.943
Mean	170.534 H	9144.744	759.088	46.997	6.354	452.767	7.841
%RSD	0.262	0.140	0.056	0.132	11.999	0.454	12.648

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-1.505	7.733	165.082
# 2 L	-1.137	7.971	165.265
# 3 L	-1.505	7.941	165.695
Mean L	-1.382	7.882	165.347
%RSD	15.362	1.649	0.190

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : PBW:14727 Identity 2 : 14727,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:11:00 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.011	0.016	0.005	0.000	0.001	0.013	0.007
# 2	0.013	0.032	0.004	0.001	0.004	0.021	0.003
# 3	0.012	0.016	0.004	0.000	0.004	0.020	0.005
Mean	0.012	0.021	0.004	0.000	0.003	0.018	0.005
%RSD	7.390	41.239	7.055	18.750	53.162	25.323	36.403

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.003 L	-0.001 L	-0.002	0.001 L	-0.003 L	-0.016	0.074
# 2	0.004	0.002	0.003	0.001 L	-0.002 L	-0.025	0.075
# 3	0.002	0.007 L	-0.014	0.001 L	-0.008 L	-0.013	0.060
Mean	0.003	0.003 L	-0.004	0.001 L	-0.004 L	-0.018	0.070
%RSD	19.924	164.371	196.396	2.062	67.868	34.016	11.298

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.064	0.004 L	-0.004
# 2	0.034	0.002 L	-0.004
# 3	0.009	0.000 L	-0.005
Mean	0.036	0.002 L	-0.004
%RSD	76.445	94.737	6.901

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCS:14727 Identity 2 : 14727,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:14:36 PM October 1, 1996

Identity 1 : LCS:11727; Identity 2 : 11727;LSS;; Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:14:36 PM October 1, 1996

EVOLUTION by Micro-Active Australia Pty Ltd 4:15:24 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.004	0.047	0.005	0.000	0.004	0.011 L	-0.001
# 2	0.005	0.053	0.005	0.000	0.002	0.017	0.001
# 3	0.003	0.038	0.004	0.000	0.002	0.019	0.002
Mean	0.004	0.046	0.005	0.000	0.003	0.016	0.000
%RSD	15.267	16.777	5.640	0.000	41.935	25.813	409.512

	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1	Sb1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.003 L	-0.006 L	-0.132	0.003	0.001	0.009	9.648
# 2	0.004 L	-0.016 L	-0.128	0.003 L	-0.002 L	-0.026	9.575
# 3	0.004 L	-0.012 L	-0.136	0.003	0.008 L	-0.031	9.581
Mean	0.004 L	-0.011 L	-0.132	0.003	0.002 L	-0.016	9.601
%RSD	12.010	45.626	2.844	10.627	205.946	133.800	0.422

	Tl1	V 1	Zn1
	ppm	ppm	ppm
# 1 L	-0.058 L	-0.014 L	-0.004
# 2 L	-0.004 L	-0.013 L	-0.004
# 3	0.002 L	-0.016 L	-0.002
Mean L	-0.020 L	-0.015 L	-0.003
%RSD	165.985	10.691	33.566

EVOLUTION by Micro-Active Australia Pty Ltd 4:25:22 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10724-1 Identity 2 : 14727,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:18:08 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.001	0.029	0.004	0.000	0.001	0.018	0.006
# 2 L	-0.001	0.035	0.004	0.000 L	-0.001	0.010	0.012
# 3 L	-0.001	0.025	0.004	0.000	0.002	0.016	0.007
Mean L	-0.001	0.030	0.004	0.000	0.001	0.015	0.008
%RSD	32.772	15.802	2.325	42.857	251.120	29.337	38.886

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.006	0.025	0.084	0.001	0.012	0.020	0.021
# 2	0.006	0.021	0.086	0.001	0.002	0.006	0.007
# 3	0.006	0.018	0.087	0.001	0.002 L	-0.006	0.029
Mean	0.006	0.021	0.086	0.001	0.005	0.007	0.019
%RSD	1.883	17.932	2.190	23.436	112.285	200.476	57.611

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.013 L	-0.006	0.003
# 2	0.038 L	-0.007	0.003
# 3 L	-0.017 L	-0.008	0.003
Mean	0.011 L	-0.007	0.003
%RSD	242.607	13.679	11.191

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10724-1D Identity 2 : 14727,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:21:38 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.002	0.047	0.005 L	-0.000	0.006	0.017	0.009
# 2 L	-0.005	0.029	0.004 L	-0.001	0.000	0.004	0.003
# 3 L	-0.005	0.032	0.004 L	-0.000	0.000	0.004 L	-0.001
Mean L	-0.004	0.036	0.004 L	-0.000	0.002	0.009	0.004
%RSD	47.413	27.553	9.740	72.157	160.390	87.837	120.283

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.006	0.019	0.095	0.001 L	-0.008 L	-0.030	0.020
# 2	0.005	0.014	0.082	0.001 L	-0.004 L	-0.018	0.014
# 3	0.005	0.019	0.078	0.001 L	-0.007 L	-0.027	0.021
Mean	0.005	0.017	0.085	0.001 L	-0.006 L	-0.025	0.018
%RSD	20.785	18.688	10.425	16.071	30.178	25.490	22.293

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.019 L	-0.001	0.008
# 2 L	-0.013 L	-0.005	0.008
# 3 L	-0.011 L	-0.006	0.007
Mean L	-0.014 L	-0.004	0.008
%RSD	27.125	59.337	5.080

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10724-1MS Identity 2 : 14727,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:25:14 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Weight : 100.0000 Volume : 100.00
Spooler time : 4:25:14 PM October 1, 1996

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2
ppm	ppm	ppm	ppm	ppm	ppm	ppm

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# 1	L	-0.006	0.084	0.005 L	-0.000	0.003	0.012 L	-0.002
# 2	L	-0.006	0.097	0.005 L	-0.000	0.000	0.007 L	-0.004
# 3	L	-0.008	0.081	0.005 L	-0.000 L	-0.001	0.013 L	-0.004
Mean	L	-0.007	0.084	0.005 L	-0.000	0.001	0.011 L	-0.003
%RSD		22.750	3.659	2.604	37.500	291.723	29.680	37.152

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.009	0.014 L	-0.074	0.004	0.013 L	-0.030	9.636
# 2	0.007	0.009 L	-0.062	0.004 L	-0.003 L	-0.043	9.686
# 3	0.007	0.007 L	-0.079	0.005	0.002 L	-0.047	9.684
Mean	0.008	0.010 L	-0.072	0.004	0.004 L	-0.040	9.668
%RSD	13.727	35.144	11.955	3.789	200.603	22.249	0.292

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.056 L	-0.028	0.008
# 2 L	-0.007 L	-0.032	0.007
# 3	0.056 L	-0.036	0.004
Mean	0.035 L	-0.032	0.006
%RSD	105.107	11.442	29.834

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10724-1MD Identity 2 : 14727,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:28:42 PM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-0.002	0.105	0.005 L	-0.000	0.000	0.010	0.018
# 2	L	-0.004	0.099	0.005 L	-0.000	0.002	0.010	0.018
# 3	L	-0.004	0.087	0.005 L	-0.000	0.002	0.014	0.018
Mean	L	-0.003	0.097	0.005 L	-0.000	0.001	0.011	0.018
%RSD		27.472	9.648	2.692	17.321	87.178	23.130	1.417

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.014	0.125 L	-0.038	0.005	0.015 L	-0.024	9.754
# 2	0.014	0.123 L	-0.044	0.005	0.013 L	-0.026	9.796
# 3	0.014	0.126 L	-0.040	0.004	0.011 L	-0.044	9.750
Mean	0.014	0.125 L	-0.041	0.005	0.013 L	-0.031	9.767
%RSD	1.690	1.503	7.050	5.050	15.608	35.118	0.258

		Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	L	-0.017 L	-0.023	0.005
# 2	L	-0.041 L	-0.025	0.005
# 3	L	-0.030 L	-0.026	0.003
Mean	L	-0.029 L	-0.025	0.004
%RSD		41.543	5.611	27.207

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10724-2 Identity 2 : 14727,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:32:14 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.003	0.050	0.005	0.001	0.001	0.005	0.014
# 2	0.001	0.059	0.005	0.000	0.004	0.006	0.007
# 3	0.000	0.056	0.005	0.000	0.001	0.015	0.009
Mean	0.002	0.055	0.005	0.000	0.002	0.009	0.010
%RSD	100.681	8.486	4.732	32.733	111.829	64.426	34.477

3	0.000	0.056	0.005	0.000	0.001	0.015	0.009
Mean	0.002	0.055	0.005	0.000	0.002	0.009	0.010
%RSD	100.681	8.486	4.732	32.733	111.829	64.426	34.477

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		Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1		0.011	0.025	0.121	0.001	0.010	0.002	0.067
# 2		0.010	0.021	0.112	0.001	0.007 L	-0.016	0.046
# 3		0.011	0.023	0.101	0.001	0.009 L	-0.024	0.038
Mean		0.011	0.023	0.111	0.001	0.009 L	-0.012	0.050
%RSD		5.188	8.123	9.282	15.133	15.239	108.080	29.990

		Tl1 ppm	V 1 ppm	Zn1 ppm
# 1		0.011	0.004	0.002
# 2	L	-0.032	0.004	0.002
# 3	L	-0.015	0.004	0.007
Mean	L	-0.012	0.004	0.004
%RSD		182.521	4.225	84.733

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10720-1 Identity 2 : 14727,LSS,, Type : SAMPLE
Weight : 100.0000 Volume : 100.00
Spooler time : 4:35:42 PM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-0.003	9.438	0.037	0.001	0.004	0.017	0.017
# 2	L	-0.003	9.480	0.037	0.001	0.005	0.010	0.015
# 3	L	-0.000	9.382	0.037	0.001	0.005	0.019	0.017
Mean	L	-0.002	9.433	0.037	0.001	0.004	0.015	0.016
%RSD		79.688	0.520	0.219	15.283	6.594	28.808	7.376

		Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1		0.011	9.260	1.044	0.099	0.001	0.006	0.051
# 2		0.012	9.318	1.044	0.100 L	-0.006 L	-0.004	0.041
# 3		0.013	9.112	1.051	0.098 L	-0.002	0.016	0.041
Mean		0.012	9.230	1.046	0.099 L	-0.002	0.006	0.045
%RSD		9.388	1.150	0.414	0.772	159.250	155.829	12.638

		Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	L	-0.008	0.024	0.022
# 2	L	-0.028	0.027	0.021
# 3	L	-0.017	0.031	0.025
Mean	L	-0.018	0.027	0.0

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DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14727,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:39:16 PM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-0.004	25.548	10.006	10.201	10.413	10.326	10.250
# 2	L	-0.004	25.272	9.878	10.034	10.301	10.192	10.111
# 3	L	-0.005	25.496	9.971	10.135	10.347	10.276	10.194
Mean	L	-0.004	25.438	9.951	10.124	10.354	10.265	10.185
%RSD		20.919	0.575	0.665	0.832	0.545	0.659	0.683

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	10.033	24.652	24.801	10.281	10.296	10.244	10.080
# 2	9.906	24.259	24.467	10.116	10.144	10.104	9.845
# 3	10.001	24.404	24.673	10.185	10.226	10.167	9.819
Mean	9.980	24.438	24.647	10.194	10.222	10.172	9.915

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%RSD	0.658	0.813	0.683	0.815	0.744	0.688	1.454

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	10.490	10.127	10.281
# 2	10.129	9.986	10.113
# 3	10.262	10.084	10.203
Mean	10.294	10.066	10.199
%RSD	1.771	0.719	0.826

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14727,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:42:52 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	10.486 L	-0.005	0.006	0.002	0.003	0.010	0.004
# 2	10.469	0.007	0.006	0.002	0.000	0.016	0.006
# 3	10.439	0.001	0.006	0.002	0.000	0.016	0.004
Mean	10.465	0.001	0.006	0.002	0.001	0.014	0.004
%RSD	0.228	599.986	2.182	3.268	120.158	23.197	25.290

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.001 L	-0.008 L	-0.023	0.001 L	-0.000 L	-0.048	0.411
# 2	0.001 L	-0.001 L	-0.012	0.002	0.004 L	-0.034	0.430
# 3	0.000 L	-0.003 L	-0.017	0.001 L	-0.000 L	-0.004	0.494
Mean	0.001 L	-0.004 L	-0.017	0.001	0.001 L	-0.029	0.445
%RSD	34.641	93.815	32.143	23.447	259.686	78.047	9.736

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.023 L	-0.005 L	-0.000
# 2	0.019 L	-0.007 L	-0.003
# 3	0.000 L	-0.010 L	-0.003
Mean	0.014 L	-0.007 L	-0.002
%RSD	87.641	36.404	82.333

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14727,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:46:22 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.022	0.019	0.005	0.000	0.002	0.015 L	-0.000
# 2	0.026	0.016	0.004	0.000	0.001	0.022	0.000
# 3	0.031	0.007	0.004	0.000	0.001	0.016 L	-0.001
Mean	0.027	0.014	0.004	0.000	0.001	0.018 L	-0.000
%RSD	17.182	44.607	9.929	75.000	46.105	20.970	257.143

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.001 L	-0.013 L	-0.017	0.001 L	-0.004 L	-0.021	0.108
# 2 L	-0.001 L	-0.008 L	-0.021	0.000 L	-0.001 L	-0.031	0.087
# 3 L	-0.000 L	-0.012 L	-0.023	0.001	0.003 L	-0.027	0.140
Mean L	-0.000 L	-0.011 L	-0.021	0.001 L	-0.001 L	-0.026	0.112
%RSD	826647773845.000	23.294	13.887	61.741	525.535	19.100	24.008

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.008 L	-0.007 L	-0.002
# 2 L	-0.009 L	-0.011 L	-0.003

	Tl	V	Zn
	ppm	ppm	ppm
# 1	0.008 L	-0.007 L	-0.002
# 2 L	-0.009 L	-0.011 L	-0.005
# 3	0.004 L	-0.013 L	-0.004

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Mean	0.001 L	-0.010 L	-0.003
%RSD	1404.948	31.435	34.650

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : PBW:14722 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 4:49:54 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.001	0.018	0.005	0.000	0.002	0.017	0.005
# 2	0.001	0.005	0.005	0.000 L	-0.003	0.017 L	-0.000
# 3	0.005	0.025	0.006	0.000	0.003	0.016	0.011
Mean	0.003	0.016	0.005	0.000	0.001	0.017	0.005
%RSD	91.771	65.465	7.056	74.231	573.760	1.391	101.479

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.002	0.007 L	-0.005	0.000 L	-0.013 L	-0.063	0.111
# 2	0.001 L	-0.002 L	-0.011	0.000 L	-0.007 L	-0.043	0.089
# 3	0.003	0.007	0.012 L	-0.000 L	-0.007 L	-0.038	0.084
Mean	0.002	0.004 L	-0.001	0.000 L	-0.009 L	-0.048	0.095
%RSD	61.490	139.242	852.936	96.145	39.034	27.336	14.964

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.035 L	-0.007	0.004
# 2	0.017 L	-0.008	0.005
# 3 L	-0.015 L	-0.005	0.004
Mean	0.013 L	-0.007	0.004
%RSD	202.087	26.906	6.564

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCS:14722 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 4:53:26 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.102	1.045	9.875	1.006	1.058	1.050	1.031
# 2	0.104	1.014	9.944	1.013	1.056	1.044	1.031
# 3	0.106	1.048	9.955	1.017	1.063	1.055	1.042
Mean	0.104	1.036	9.925	1.012	1.059	1.050	1.035
%RSD	1.880	1.808	0.438	0.538	0.344	0.540	0.626

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	1.014	0.905	1.005	1.023	1.045	0.981	0.074
# 2	1.017	0.907	1.008	1.034	1.060	0.966	0.107
# 3	1.018	0.903	1.001	1.032	1.064	1.001	0.101
Mean	1.016	0.905	1.005	1.030	1.056	0.982	0.094
%RSD	0.205	0.212	0.317	0.565	0.956	1.794	18.490

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.826	0.988	1.049
# 2	0.952	0.992	1.043
# 3	0.841	0.996	1.049
Mean	0.873	0.992	1.047
%RSD	7.845	0.410	0.316

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10720-1 Identity 2 : 14722,LSS,, Type : SAMPLE

%RSD 0.7845 0.1410 0.1316

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10720-1 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
EVOLUTION by Micro-Active Australia Pty Ltd 4:57:26 PM October 1, 1996

Spooler time : 4:57:00 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.002	28.733	0.054	0.001	0.004	0.014	0.017
# 2	0.000	28.444	0.054	0.001	0.000	0.024	0.021
# 3 L	-0.000	28.434	0.055	0.002	0.004	0.024	0.016
Mean L	-0.001	28.537	0.054	0.001	0.003	0.021	0.018
%RSD	156.557	0.595	0.416	10.911	84.045	25.759	15.004

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.005	10.697	1.208	0.104 L	-0.003 L	-0.006	0.063
# 2	0.009	10.648	1.230	0.104 L	-0.001 L	-0.017	0.046
# 3	0.007	10.671	1.230	0.102 L	-0.001 L	-0.022	0.050
Mean	0.007	10.672	1.223	0.103 L	-0.002 L	-0.015	0.053
%RSD	26.155	0.232	1.082	1.028	50.251	53.132	16.277

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.061	0.036	0.025
# 2 L	-0.050	0.035	0.023
# 3 L	-0.075	0.038	0.025
Mean L	-0.062	0.036	0.025
%RSD	20.205	4.269	4.304

EVOLUTION by Micro-Active Australia Pty Ltd 5:08:24 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10720-1D Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 5:00:28 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.001	17.690	0.049	0.001 L	-0.002	0.017	0.019
# 2 L	-0.004	17.748	0.049	0.001	0.000	0.020	0.014
# 3 L	-0.002	17.741	0.049	0.001 L	-0.001	0.019	0.019
Mean L	-0.003	17.727	0.049	0.001 L	-0.001	0.019	0.017
%RSD	59.871	0.178	0.214	13.887	90.139	6.667	14.638

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.008	9.992	1.135	0.101	0.002 L	-0.009	0.061
# 2	0.006	10.055	1.124	0.103 L	-0.003	0.014	0.050
# 3	0.007	10.047	1.135	0.102	0.001	0.020	0.044
Mean	0.007	10.031	1.131	0.102 L	-0.000	0.008	0.052
%RSD	16.111	0.345	0.532	1.090	981.709	182.392	16.689

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.002	0.028	0.032
# 2 L	-0.025	0.030	0.032
# 3 L	-0.032	0.027	0.033
Mean L	-0.018	0.028	0.033
%RSD	96.419	4.976	1.973

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10720-1MS Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 5:03:58 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.098	31.507	10.013	1.026	1.064	1.069	1.054
# 2	0.097	31.463	9.945	1.017	1.049	1.071	1.049
# 3	0.097	31.599	9.988	1.022	1.050	1.071	1.055
Mean	0.097	31.523	9.982	1.022	1.054	1.070	1.053
%RSD	0.531	0.220	0.348	0.475	0.816	0.136	0.289

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	1.034	10.807	2.112	1.142	1.064	1.018	0.057
# 2	1.029	10.744	2.105	1.134	1.066	1.057	0.047
# 3	1.030	10.763	2.103	1.139	1.073	1.045	0.054
Mean	1.031	10.772	2.107	1.138	1.068	1.040	0.052
%RSD	0.256	0.300	0.206	0.340	0.474	1.943	9.467

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.864	1.041	1.085
# 2	0.899	1.030	1.074
# 3	0.920	1.034	1.085
Mean	0.894	1.035	1.081
%RSD	3.187	0.564	0.557

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10720-1MD Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 5:07:34 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Volume : 0.50000 Volume : 50.00

Spooler time : 5:07:34 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm

EVOLUTION by Micro-Active Australia Pty Ltd 5:08:26 PM October 1, 1996

# 1	0.098	31.667	9.849	1.016	1.051	1.058	1.042
# 2	0.098	31.824	9.889	1.018	1.042	1.059	1.037
# 3	0.096	32.160	9.990	1.031	1.068	1.076	1.044
Mean	0.097	31.884	9.909	1.021	1.054	1.064	1.041
%RSD	1.273	0.790	0.733	0.785	1.239	0.969	0.336

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	1.023	10.569	2.089	1.126	1.050	1.039	0.089
# 2	1.026	10.619	2.105	1.132	1.052	1.046	0.081
# 3	1.034	10.735	2.109	1.143	1.077	1.061	0.082
Mean	1.028	10.641	2.101	1.134	1.060	1.049	0.084
%RSD	0.532	0.798	0.525	0.764	1.426	1.043	4.896

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.805	1.035	1.075
# 2	0.830	1.035	1.073
# 3	0.782	1.043	1.094
Mean	0.806	1.037	1.081
%RSD	2.980	0.452	1.068

EVOLUTION by Micro-Active Australia Pty Ltd 5:18:24 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10709-3 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 5:11:08 PM October 1, 1996

		Ag1 ppm		Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-0.031	H	353.810	2.434	0.014	0.070	0.172	0.340
# 2	L	-0.031	H	356.574	2.454	0.014	0.066	0.175	0.346
# 3	L	-0.029	H	352.420	2.426	0.014	0.069	0.167	0.344
Mean	L	-0.030	H	354.268	2.438	0.014	0.068	0.171	0.343
%RSD		3.267		0.597	0.595	1.534	2.526	2.438	0.897

	Cu1 ppm		Fe1 ppm		Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.144	H	244.703	H	69.025	8.786	0.264	0.111	0.131
# 2	0.145	H	246.925	H	69.389	8.857	0.267	0.050	0.137
# 3	0.147	H	244.104	H	68.681	8.773	0.254	0.081	0.147
Mean	0.145	H	245.244	H	69.032	8.805	0.262	0.081	0.138
%RSD	0.951		0.606		0.513	0.514	2.600	37.810	5.590

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.311	0.518	0.613
# 2 L	-0.253	0.524	0.616
# 3 L	-0.278	0.521	0.617
Mean L	-0.281	0.521	0.616
%RSD	10.425	0.488	0.306

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10709-13 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 5:14:40 PM October 1, 1996

		Ag1 ppm		Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-0.153	H	499.801	9.792	0.034	0.208	0.564	0.698
# 2	L	-0.151	H	500.501	9.843	0.035	0.216	0.561	0.713
# 3	L	-0.152	H	501.718	9.896	0.035	0.207	0.554	0.712
Mean	L	-0.152	H	500.673	9.844	0.035	0.210	0.560	0.708
%RSD		0.655		0.194	0.526	1.206	2.414	0.841	1.153

	Cu1 ppm		Fe1 ppm		Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.472	Over-range	H		123.740	Over-range	1.210	0.503	0.374
# 2	0.475	Over-range	H		124.202	Over-range	1.216	0.554	0.399
# 3	0.475	Over-range	H		124.977	Over-range	1.229	0.580	0.383
Mean	0.474	Over-range	H		124.306	Over-range	1.218	0.546	0.385
%RSD	0.329	n/a			0.503	n/a	0.790	7.198	3.356

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.052	1.634	1.255
# 2	0.018	1.648	1.262
# 3	0.005	1.654	1.269
Mean	0.025	1.645	1.262
%RSD	95.740	0.611	0.541

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10709-23 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 5:18:14 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Spooler time : 5:18:14 PM October 1, 1996

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2
ppm	ppm	ppm	ppm	ppm	ppm	ppm

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# 1	L	-0.013 H	55.778	0.427	0.004	0.026	0.086	0.059
# 2	L	-0.011 H	55.785	0.427	0.004	0.024	0.082	0.059
# 3	L	-0.010	55.319	0.425	0.005	0.028	0.085	0.063
Mean	L	-0.012 H	55.628	0.426	0.004	0.026	0.084	0.060
%RSD		10.268	0.480	0.216	5.898	7.531	2.761	3.346

	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1	Sb1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.104 H	89.605	25.428	3.353	0.106	0.071	0.111
# 2	0.105 H	89.826	25.399	3.363	0.120	0.080	0.103
# 3	0.105 H	89.443	25.307	3.346	0.113	0.091	0.125
Mean	0.105 H	89.625	25.378	3.354	0.113	0.081	0.113
%RSD	0.579	0.214	0.248	0.262	6.108	12.764	9.541

		Tl1	V 1	Zn1
		ppm	ppm	ppm
# 1	L	-0.095	0.249	0.210
# 2	L	-0.045	0.254	0.216
# 3	L	-0.084	0.253	0.211
Mean	L	-0.075	0.252	0.212
%RSD		35.447	1.043	1.520

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10723-2 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 5:21:44 PM October 1, 1996

		Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	L	-0.002	0.171	0.049	0.000 L	-0.002	0.027	0.003
# 2	L	-0.001	0.175	0.049	0.001	0.002	0.037	0.005
# 3	L	-0.002	0.181	0.049	0.001 L	-0.001	0.037	0.005
Mean	L	-0.002	0.176	0.049	0.001 L	-0.000	0.034	0.005
%RSD		30.933	2.957	0.183	11.547	953.939	17.942	27.096

	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1	Sb1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	0.008	0.657 H	59.422	0.512	0.008	0.002	0.074
# 2	0.010	0.653 H	58.845	0.506 L	-0.004 L	-0.000	0.109
# 3	0.009	0.660 H	59.134	0.513	0.005 L	-0.004	0.094
Mean	0.009	0.657 H	59.134	0.510	0.003 L	-0.001	0.092
%RSD	12.479	0.547	0.488	0.765	191.508	511.685	18.996

		Tl1	V 1	Zn1
		ppm	ppm	ppm
# 1	L	-0.014 L	-0.003	0.024
# 2		0.030	0.000	0.025
# 3		0.007	0.002	0.024
Mean		0.007 L	-0.000	0.025
%RSD		297.544	808.290	2.425

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:25:16 PM October 1, 1996

		Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	L	-0.005	25.468	10.000	10.364	10.704	10.526	10.407
# 2	L	-0.005	25.401	9.961	10.334	10.663	10.479	10.359
# 3	L	-0.007	25.649	10.068	10.459	10.755	10.555	10.467
Mean	L	-0.005	25.506	10.009	10.386	10.707	10.520	10.411
%RSD		23.746	0.502	0.542	0.628	0.430	0.364	0.521

3	L	-0.007	25.649	10.068	10.459	10.755	10.555	10.467
Mean	L	-0.005	25.506	10.009	10.386	10.707	10.520	10.411
%RSD		23.746	0.502	0.542	0.628	0.430	0.364	0.521

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	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	9.996	24.853	24.495	10.358	10.423	10.351	10.129
# 2	9.959	24.847	24.390	10.312	10.438	10.270	10.031
# 3	10.059	25.042	24.690	10.417	10.555	10.428	9.953
Mean	10.005	24.914	24.525	10.362	10.472	10.349	10.038
%RSD	0.506	0.445	0.621	0.509	0.692	0.764	0.880

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	10.261	10.208	10.479
# 2	10.445	10.176	10.446
# 3	10.535	10.284	10.567
Mean	10.413	10.223	10.497
%RSD	1.342	0.539	0.593

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:28:48 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	10.635	0.013	0.008	0.002	0.001	0.015	0.012
# 2	10.576	0.016	0.008	0.002	0.003	0.029	0.009
# 3	10.644 L	-0.011	0.008	0.002	0.001	0.023	0.003
Mean	10.618	0.006	0.008	0.002	0.002	0.022	0.008
%RSD	0.348	246.644	5.231	8.040	51.962	29.722	56.407

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.000	0.001 L	-0.004	0.001 L	-0.000 L	-0.048	0.473
# 2	0.001 L	-0.005 L	-0.004	0.001 L	-0.002 L	-0.003	0.506
# 3 L	-0.000	0.001 L	-0.017	0.000	0.002 L	-0.035	0.558
Mean	0.000 L	-0.001 L	-0.009	0.001	0.000 L	-0.028	0.513
%RSD	178.429	308.623	86.603	45.536	1703.055	80.949	8.346

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.060	0.004	0.000
# 2	0.043	0.001 L	-0.000
# 3	0.008	0.001 L	-0.001
Mean	0.037	0.002 L	-0.000
%RSD	72.674	83.550	359.464

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:32:22 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.001	0.001	0.007	0.000	0.006	0.018	0.001
# 2 L	-0.002 L	-0.011	0.006	0.000	0.006	0.017 L	-0.003
# 3 L	-0.000	0.001	0.007	0.000	0.005	0.024 L	-0.000
Mean L	-0.001 L	-0.003	0.006	0.000	0.006	0.020 L	-0.001
%RSD	93.660	230.943	2.887	24.744	10.526	18.756	218.420

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1 L	-0.002 L	-0.005 L	-0.012	0.001 L	-0.009 L	-0.001	0.126
# 2 L	-0.003 L	-0.008 L	-0.016 L	-0.000 L	-0.004 L	-0.007	0.146
# 3 L	-0.002 L	-0.010	0.001	0.001	0.001	0.001	0.162

# 1	L	-0.002 L	-0.005 L	-0.012	0.001 L	-0.009 L	-0.001	0.126
# 2	L	-0.003 L	-0.008 L	-0.016 L	-0.000 L	-0.004 L	-0.007	0.146
# 3	L	-0.002 L	-0.010	0.001	0.001	0.001	0.001	0.162
Mean	L	-0.002 L	-0.008 L	-0.009	0.001 L	-0.004 L	-0.002	0.145

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%RSD	25.000	29.294	101.267	142.947	110.559	189.558	12.454

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.032 L	-0.000 L	-0.005
# 2	0.043 L	-0.002 L	-0.005
# 3	0.034 L	-0.003 L	-0.003
Mean	0.036 L	-0.002 L	-0.004
%RSD	16.630	80.869	19.996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10723-3 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 5:35:58 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.002	0.141	0.041	0.000 L	-0.000	0.035	0.012
# 2 L	-0.001	0.141	0.041	0.000	0.001	0.038	0.020
# 3 L	-0.000	0.137	0.041	0.001 L	-0.000	0.030	0.012
Mean L	-0.001	0.139	0.041	0.000	0.000	0.035	0.015
%RSD	72.625	1.408	0.126	23.077	305.420	11.217	30.155

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.006	0.318 H	122.967	0.184 L	-0.004 L	-0.066	0.130
# 2	0.006	0.317 H	123.346	0.184	0.007 L	-0.060	0.143
# 3	0.007	0.318 H	122.869	0.185	0.001 L	-0.031	0.127
Mean	0.007	0.318 H	123.060	0.184	0.001 L	-0.053	0.133
%RSD	7.262	0.167	0.205	0.367	412.600	35.753	6.334

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.014	0.007	0.040
# 2 L	-0.013	0.005	0.040
# 3	0.033	0.006	0.042
Mean	0.011	0.006	0.041
%RSD	203.350	17.308	2.904

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10723-4 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 5:39:28 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.004	17.959	0.184	0.001	0.006	0.020	0.031
# 2 L	-0.003	17.973	0.185	0.001	0.008	0.026	0.030
# 3 L	-0.003	17.911	0.184	0.001	0.008	0.025	0.034
Mean L	-0.003	17.948	0.184	0.001	0.007	0.024	0.032
%RSD	5.717	0.179	0.149	4.811	15.988	13.607	6.526

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.011	12.773	8.798	0.418	0.011 L	-0.029	0.064
# 2	0.009	12.821	8.844	0.417	0.016	0.005	0.089
# 3	0.011	12.788	8.796	0.417	0.012	0.032	0.098
Mean	0.010	12.794	8.813	0.418	0.013	0.003	0.084
%RSD	7.197	0.194	0.307	0.105	17.784	1084.157	21.011

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.016	0.031	0.047
# 2 L	-0.067	0.030	0.048

	Ti	V	Zn
	ppm	ppm	ppm
# 1	0.016	0.031	0.047
# 2 L	-0.067	0.030	0.048
# 3 L	-0.059	0.032	0.045

Mean L	-0.037	0.031	0.047
%RSD	125.895	3.333	2.806

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10723-5 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 5:43:00 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.007	1.385	0.039 L	-0.000	0.005	0.019 L	-0.001
# 2 L	-0.007	1.395	0.040	0.000	0.004	0.015	0.003
# 3 L	-0.009	1.385	0.039 L	-0.000	0.006	0.019 L	-0.002
Mean L	-0.008	1.388	0.039 L	-0.000	0.005	0.018	0.000
%RSD	18.688	0.424	0.475	150.000	26.231	11.936	2003.331

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.006	1.114	9.782	0.175	0.011 L	-0.007	0.070
# 2	0.007	1.127	9.696	0.173	0.010	0.016	0.053
# 3	0.006	1.139	9.811	0.175	0.008 L	-0.018	0.065
Mean	0.006	1.127	9.763	0.174	0.010 L	-0.003	0.063
%RSD	7.806	1.142	0.610	0.768	14.980	637.549	13.881

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.026 L	-0.006	0.012
# 2 L	-0.053 L	-0.008	0.011
# 3 L	-0.028 L	-0.014	0.010
Mean L	-0.035 L	-0.009	0.011
%RSD	42.627	48.628	10.732

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10723-6 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 5:46:28 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.002	2.123	0.104	0.001	0.006	0.034	0.016
# 2 L	-0.001	2.119	0.104	0.000	0.003	0.026	0.013
# 3 L	-0.003	2.133	0.105	0.000	0.001	0.030	0.008
Mean L	-0.001	2.125	0.104	0.000	0.003	0.030	0.012
%RSD	356.515	0.333	0.482	53.927	63.709	14.527	32.187

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.006	2.763	44.807	1.705	0.021	0.000	0.082
# 2	0.005	2.794	45.248	1.723	0.021 L	-0.010	0.085
# 3	0.003	2.808	45.498	1.739	0.022 L	-0.024	0.080
Mean	0.005	2.788	45.185	1.722	0.021 L	-0.011	0.076
%RSD	38.164	0.818	0.775	0.997	3.242	106.022	17.558

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.029	0.005	0.032
# 2	0.017	0.004	0.032
# 3	0.010 L	-0.002	0.032
Mean L	-0.001	0.002	0.032
%RSD	4141.191	175.784	0.663

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10724-1 Identity 2 : 14722,LSS,, Type : SAMPLE

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10724-1 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00

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Spooler time : 5:50:02 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.004	0.018	0.007	0.000 L	-0.004	0.014	0.012
# 2 L	-0.005	0.005	0.006	0.000 L	-0.004	0.020	0.010
# 3 L	-0.006	0.001	0.006	0.000 L	-0.004	0.015	0.009
Mean L	-0.005	0.008	0.006	0.000 L	-0.004	0.016	0.010
%RSD	20.636	113.389	7.184	104.083	10.015	19.139	14.575

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.004 L	-0.014	0.008 L	-0.001 L	-0.003 L	-0.009	0.042
# 2	0.002 L	-0.005 L	-0.003 L	-0.001 L	-0.007 L	-0.029	0.083
# 3	0.002	0.002 L	-0.015	0.000 L	-0.010 L	-0.047	0.062
Mean	0.003 L	-0.006 L	-0.003 L	-0.001 L	-0.006 L	-0.028	0.062
%RSD	43.301	130.610	330.454	[illegible]	56.707	67.371	32.925

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.038 L	-0.005	0.000
# 2	0.054 L	-0.008	0.000
# 3	0.029 L	-0.010 L	-0.001
Mean	0.040 L	-0.007 L	-0.000
%RSD	31.600	34.845	387.482

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10724-2 Identity 2 : 14722,LSS,, Type : SAMPLE
Weight : 45.0000 Volume : 50.00
Spooler time : 5:53:32 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.005	1.402	0.038	0.000	0.001	0.060 L	-0.005
# 2 L	-0.007	1.392	0.037	0.000	0.006	0.050 L	-0.004
# 3 L	-0.008	1.398	0.037	0.000	0.004	0.051 L	-0.010
Mean L	-0.006	1.397	0.037	0.000	0.004	0.053 L	-0.006
%RSD	24.172	0.372	0.503	19.245	61.215	10.735	52.097

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.012	0.969 H	516.479	0.186 L	-0.006	0.001	0.110
# 2	0.011	0.973 H	518.229	0.187 L	-0.002 L	-0.037	0.129
# 3	0.011	0.976 H	521.559	0.189 L	-0.003 L	-0.026	0.134
Mean	0.011	0.973 H	518.756	0.187 L	-0.003 L	-0.021	0.124
%RSD	3.535	0.367	0.498	0.743	62.048	92.788	10.280

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.200 L	-0.002	0.023
# 2 L	-0.157 L	-0.003	0.024
# 3 L	-0.191 L	-0.003	0.024
Mean L	-0.183 L	-0.003	0.023
%RSD	12.498	34.510	3.000

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : RW Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:57:02 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.000	0.001	0.007	0.000	0.003	0.019	0.006
# 2 L	-0.003 L	-0.011	0.006 L	-0.000	0.003	0.016 L	-0.001

	Mg1	Al1	Ba1	Ba1	Ca1	Co1	Cr2
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.000	0.001	0.007	0.000	0.003	0.019	0.006
# 2 L	-0.003 L	-0.011	0.006 L	-0.000	0.003	0.016 L	-0.001
# 3 L	-0.004	0.004	0.006	0.000 L	-0.001	0.021 L	-0.003

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an L	-0.002 L	-0.002	0.006 L	-0.000	0.001	0.019	0.001
%RSD	80.215	396.876	7.744243940862940.000		177.694	15.308	759.394

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.004 L	-0.015	0.027	0.001	0.009 L	-0.000	0.053
# 2	0.001 L	-0.012	0.005	0.001	0.000 L	-0.020	0.024
# 3	0.001 L	-0.012	0.011	0.001 L	-0.001 L	-0.070	0.030
Mean	0.002 L	-0.013	0.014	0.001	0.003 L	-0.030	0.035
%RSD	105.429	13.324	81.456	19.419	206.529	120.551	43.380

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.017	0.002 L	-0.002
# 2	0.038 L	-0.001 L	-0.004
# 3	0.021 L	-0.005 L	-0.004
Mean	0.014 L	-0.002 L	-0.003
%RSD	202.494	230.072	43.603

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCS Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:00:32 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	1.056	0.004	1.007	1.008	1.050	1.071	1.038
# 2	1.059	0.013	1.007	1.011	1.044	1.084	1.042
# 3	1.059	0.007	1.008	1.010	1.057	1.068	1.041
Mean	1.058	0.008	1.007	1.010	1.050	1.074	1.040
%RSD	0.153	57.282	0.077	0.168	0.646	0.791	0.208

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	1.015 L	-0.010 L	-0.016	1.034	1.051	1.029	0.817
# 2	1.018 L	-0.001 L	-0.017	1.038	1.057	1.032	0.757
# 3	1.016 L	-0.013 L	-0.012	1.041	1.046	1.065	0.757
Mean	1.016 L	-0.008 L	-0.015	1.038	1.051	1.042	0.777
%RSD	0.177	84.153	19.094	0.351	0.503	1.930	4.442

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	1.020	1.011	1.034
# 2	1.082	1.010	1.039
# 3	1.026	1.013	1.041
Mean	1.043	1.012	1.038
%RSD	3.288	0.159	0.356

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : RWMS Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:04:00 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	1.065 L	-0.005	1.010	1.014	1.068	1.082	1.046
# 2	1.065 L	-0.005	1.013	1.020	1.065	1.084	1.051
# 3	1.069 L	-0.005	1.014	1.023	1.074	1.094	1.058
Mean	1.066 L	-0.005	1.012	1.019	1.069	1.087	1.052
%RSD	0.224	0.001	0.238	0.406	0.418	0.575	0.558

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm

RSD	0.224	0.001	0.238	0.406	0.418	0.575	0.556

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
1 1	1.020 L	-0.014 L	-0.031	1.046	1.079	1.023	1.022

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# 2	1.023 L	-0.001 L	-0.029	1.047	1.071	1.008	1.016
# 3	1.023 L	-0.001 L	-0.025	1.051	1.067	1.051	1.010
Mean	1.022 L	-0.005 L	-0.028	1.048	1.072	1.028	1.016
%RSD	0.160	140.927	10.184	0.259	0.556	2.139	0.589

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	1.026	1.013	1.032
# 2	1.092	1.015	1.043
# 3	1.058	1.021	1.046
Mean	1.058	1.016	1.040
%RSD	3.107	0.391	0.686

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : RWMD Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:07:30 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	1.066	0.019	1.010	1.015	1.067	1.079	1.046
# 2	1.064	0.007	1.008	1.012	1.064	1.079	1.044
# 3	1.067	0.004	1.009	1.015	1.052	1.080	1.047
Mean	1.066	0.010	1.009	1.014	1.061	1.079	1.046
%RSD	0.150	79.372	0.105	0.195	0.737	0.034	0.151

	Cu1 Ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	1.018 L	-0.010 L	-0.017	1.047	1.063	1.043	1.061
# 2	1.015 L	-0.013 L	-0.023	1.041	1.063	0.963	1.046
# 3	1.018 L	-0.015 L	-0.025	1.043	1.066	1.035	1.030
Mean	1.017 L	-0.013 L	-0.022	1.044	1.064	1.014	1.046
%RSD	0.177	16.444	17.843	0.296	0.162	4.324	1.506

	Tl1 Ppm	V 1 ppm	Zn1 ppm
# 1	1.050	1.017	1.050
# 2	1.110	1.015	1.034
# 3	1.073	1.022	1.044
Mean	1.078	1.018	1.043
%RSD	2.818	0.395	0.766

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:11:02 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.001	25.532	9.963	10.246	10.504	10.402	10.305
# 2 L	-0.003	25.722	10.025	10.321	10.590	10.417	10.344
# 3 L	-0.001	25.682	10.020	10.340	10.599	10.414	10.365
Mean L	-0.002	25.646	10.002	10.303	10.564	10.411	10.338
%RSD	56.591	0.390	0.344	0.481	0.498	0.077	0.297

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	9.982	24.623	24.512	10.257	10.327	10.185	10.157
# 2	10.038	24.704	24.638	10.302	10.385	10.332	10.238
# 3	10.036	24.672	24.604	10.305	10.418	10.211	10.062
Mean	10.019	24.666	24.585	10.288	10.377	10.243	10.152
%RSD	0.320	0.166	0.264	0.263	0.442	0.763	0.868

Mean	10.019	24.666	24.585	10.288	10.377	10.243	10.152
%RSD	0.320	0.166	0.264	0.263	0.442	0.763	0.868
	Tl1	V 1	Zn1				

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	ppm	ppm	ppm
1	10.298	10.129	10.366
# 2	10.323	10.201	10.418
# 3	10.349	10.203	10.391
Mean	10.323	10.178	10.392
%RSD	0.246	0.418	0.250

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DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:14:36 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	10.613 L	-0.002	0.007	0.001 L	-0.001	0.016	0.009
# 2	10.598 L	-0.011	0.007	0.001 L	-0.001	0.018	0.008
# 3	10.609 L	-0.002	0.007	0.001 L	-0.003	0.017	0.010
Mean	10.607 L	-0.005	0.007	0.001 L	-0.002	0.017	0.009
%RSD	0.076	103.921	1.364	4.441	83.853	6.597	14.870

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.000	0.023	0.024	0.001	0.003 L	-0.066	0.413
# 2 L	-0.000	0.020 L	-0.001	0.001 L	-0.001 L	-0.030	0.504
# 3	0.001	0.023	0.007	0.001	0.002 L	-0.032	0.548
Mean	0.000	0.022	0.010	0.001	0.001 L	-0.042	0.488
%RSD	754.983	6.578	124.844	40.693	151.841	47.840	14.181

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.023 L	-0.002 L	-0.000
# 2	0.039	0.000 L	-0.001
# 3	0.043	0.000	0.002
Mean	0.035 L	-0.001	0.000
%RSD	31.401	197.949	11752.287

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:18:08 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.003 L	-0.017	0.006 L	-0.001	0.001	0.015	0.002
# 2 L	-0.003 L	-0.020	0.006 L	-0.001	0.000	0.016 L	-0.000
# 3 L	-0.003 L	-0.027	0.006 L	-0.001	0.001	0.010	0.003
Mean L	-0.003 L	-0.021	0.006 L	-0.001	0.001	0.014	0.001
%RSD	7.215	21.822	0.829	15.000	89.214	22.233	114.997

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1 L	-0.000 L	-0.018	0.005	0.001 L	-0.001 L	-0.011	0.116
# 2 L	-0.000 L	-0.021 L	-0.001	0.001 L	-0.003 L	-0.045	0.114
# 3	-0.000 L	-0.020	0.007	0.001 L	-0.009 L	-0.037	0.153
Mean L	-0.000 L	-0.020	0.004	0.001 L	-0.004 L	-0.031	0.128
%RSD	86.603	6.517	104.083	21.060	93.504	57.187	17.244

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.000 L	-0.001 L	-0.003
# 2 L	-0.028 L	-0.001 L	-0.003
# 3 L	-0.006	0.000 L	-0.004
Mean L	-0.011 L	-0.000 L	-0.003
%RSD	132.267	114.564	12.064

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10729-1 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:21:44 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Spooler time : 6:21:44 PM October 1, 1996

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm

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# 1	L	-0.005	0.035	0.160	0.000 L	-0.000	0.026 L	-0.007
# 2	L	-0.003	0.044	0.159	0.000	0.003	0.033 L	-0.000
# 3	L	-0.007	0.016	0.160	0.000	0.002	0.030 L	-0.006
Mean	L	-0.005	0.032	0.160	0.000	0.001	0.030 L	-0.004
%RSD		40.788	44.347	0.352	129.904	106.576	11.066	82.205

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.007 L	-0.021	13.346	0.840	0.008 L	-0.018	0.091
# 2	0.008 L	-0.011	13.183	0.831	0.002	0.009	0.080
# 3	0.005 L	-0.016	13.359	0.840 L	-0.005 L	-0.004	0.089
Mean	0.007 L	-0.016	13.296	0.837	0.002 L	-0.004	0.087
%RSD	18.642	33.188	0.738	0.656	359.490	308.891	6.660

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.011 L	-0.013 L	-0.000
# 2	0.053 L	-0.011	0.000
# 3	0.060 L	-0.018 L	-0.004
Mean	0.041 L	-0.014 L	-0.002
%RSD	63.501	24.723	158.340

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10729-1D Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:25:16 PM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-0.006	0.074	0.159	0.000	0.010	0.029 L	-0.003
# 2	L	-0.009	0.047	0.158	0.000	0.003	0.029 L	-0.008
# 3	L	-0.005	0.071	0.158	0.000	0.005	0.025 L	-0.001
Mean	L	-0.007	0.064	0.159	0.000	0.006	0.028 L	-0.004
%RSD		27.609	23.490	0.387	21.651	58.818	7.231	86.021

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.008 L	-0.001	13.258	0.840 L	-0.000	0.002	0.088
# 2	0.007 L	-0.011	13.189	0.837 L	-0.000 L	-0.052	0.058
# 3	0.009 L	-0.009	13.095	0.833	0.002 L	-0.012	0.094
Mean	0.008 L	-0.007	13.180	0.837	0.001 L	-0.020	0.080
%RSD	12.500	81.703	0.621	0.409	265.411	136.599	23.864

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.008 L	-0.009	0.001
# 2 L	-0.052 L	-0.010	0.002
# 3	0.008 L	-0.008	0.001
Mean L	-0.012 L	-0.009	0.002
%RSD	280.116	10.415	35.075

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10729-2 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:28:48 PM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-0.018	0.387	0.052 L	-0.003	0.030	0.119 L	-0.061
# 2	L	-0.031	0.319	0.049 L	-0.004	0.022	0.107 L	-0.088
# 3	L	-0.039	0.276	0.047 L	-0.004	0.020	0.099 L	-0.099
Mean	L	-0.029	0.327	0.049 L	-0.004	0.024	0.108 L	-0.083
%RSD		36.269	16.960	5.597	23.124	23.148	9.326	23.673

3	L	0.039	0.276	0.047 L	-0.004	0.020	0.099 L	-0.099
Mean	L	-0.029	0.327	0.049 L	-0.004	0.024	0.108 L	-0.083
%RSD		36.269	16.960	5.597	23.124	23.148	9.326	23.673

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	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.055	0.008 H	64.620	1.416	0.074	0.084	0.370
# 2	0.043 L	-0.003 H	66.191	1.439	0.066	0.039	0.333
# 3	0.036 L	-0.004 H	66.564	1.437	0.050	0.003	0.306
Mean	0.045	0.001 H	65.791	1.430	0.063	0.042	0.336
%RSD	21.610	1044.471	1.568	0.880	19.129	96.802	9.553

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.121 L	-0.045	0.001
# 2 L	-0.253 L	-0.065	0.000
# 3 L	-0.302 L	-0.078 L	-0.005
Mean L	-0.225 L	-0.062 L	-0.001
%RSD	41.515	26.977	229.868

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10729-3 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:32:18 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.003	0.322	0.090 L	-0.001	0.012	0.160 L	-0.035
# 2 L	-0.003	0.322	0.089 L	-0.001	0.014	0.154 L	-0.037
# 3 L	-0.010	0.270	0.087 L	-0.002	0.008	0.156 L	-0.051
Mean L	-0.005	0.305	0.089 L	-0.002	0.011	0.157 L	-0.041
%RSD	77.060	9.848	1.645	25.193	26.424	1.819	22.085

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.035	0.602	37.803	0.257	0.062	0.056	0.525
# 2	0.037	0.576	37.401	0.253	0.074	0.048	0.511
# 3	0.029	0.578	37.486	0.254	0.055	0.016	0.524
Mean	0.034	0.585	37.563	0.255	0.064	0.040	0.520
%RSD	11.566	2.496	0.563	0.785	14.494	53.597	1.515

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.108 L	-0.023	0.017
# 2 L	-0.016 L	-0.018	0.017
# 3 L	-0.116 L	-0.034	0.016
Mean L	-0.080 L	-0.025	0.016
%RSD	69.488	32.746	3.251

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10729-4 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:35:48 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.011	0.145	0.078 L	-0.001	0.014	0.131 L	-0.027
# 2 L	-0.017	0.120	0.077 L	-0.002	0.013	0.124 L	-0.038
# 3 L	-0.019	0.087	0.075 L	-0.002	0.008	0.135 L	-0.049
Mean L	-0.015	0.117	0.077 L	-0.002	0.012	0.130 L	-0.038
%RSD	26.217	24.885	1.537	22.453	29.074	4.309	29.010

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.024 L	-0.003	10.817	0.052	0.035	0.005	0.471
# 2	0.019 L	-0.001	10.853	0.053	0.036 L	-0.020	0.434
# 3	0.017 L	-0.008	10.836	0.052	0.020 L	-0.057	0.417

# 1	0.0024 B	0.0003	10.817	0.052	0.035	0.005	0.471
# 2	0.019 L	-0.001	10.853	0.053	0.036 L	-0.020	0.434
# 3	0.017 L	-0.008	10.836	0.052	0.020 L	-0.057	0.417
Mean	0.020 L	-0.004	10.835	0.052	0.030 L	-0.024	0.441

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%RSD	19.219	89.522	0.164	0.281	29.724	129.195	6.288

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.076 L	-0.023	0.005
# 2 L	-0.133 L	-0.029	0.006
# 3 L	-0.155 L	-0.036	0.004
Mean L	-0.121 L	-0.029	0.005
%RSD	33.498	21.333	25.281

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10729-5 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:39:18 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.003 L	-0.014	0.076 L	-0.000 L	-0.003	0.094 L	-0.003
# 2 L	-0.001	0.007	0.076 L	-0.000	0.000	0.084 L	-0.001
# 3	0.001	0.013	0.076	0.000 L	-0.000	0.092	0.007
Mean L	-0.001	0.002	0.076 L	-0.000 L	-0.001	0.090	0.001
%RSD	313.339	708.856	0.164	158.745	170.716	5.838	490.678

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1 L	-0.000 L	-0.012	5.624	0.052	0.002 L	-0.025	0.287
# 2	0.002 L	-0.010	5.571	0.051	0.007	0.020	0.317
# 3	0.004 L	-0.005	5.543	0.052	0.001 L	-0.032	0.319
Mean	0.002 L	-0.009	5.579	0.052	0.003 L	-0.012	0.308
%RSD	101.489	35.555	0.733	1.413	93.031	228.480	5.920

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.020 L	-0.008 L	-0.002
# 2 L	-0.045 L	-0.003	0.001
# 3 L	-0.018	0.003	0.001
Mean L	-0.028 L	-0.002 L	-0.000
%RSD	52.708	212.623	1159.049

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10729-6 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:42:50 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.011	0.319	0.075 L	-0.002	0.024	0.176 L	-0.030
# 2 L	-0.016	0.283	0.073 L	-0.003	0.028	0.162 L	-0.047
# 3 L	-0.023	0.246	0.072 L	-0.003	0.015	0.157 L	-0.063
Mean L	-0.017	0.283	0.073 L	-0.002	0.022	0.165 L	-0.047
%RSD	36.785	12.996	2.100	20.879	29.424	6.094	34.739

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.047 L	-0.005	26.451	0.465	0.042	0.004	0.560
# 2	0.042 L	-0.008	25.965	0.457	0.039 L	-0.027	0.563
# 3	0.037 L	-0.016	26.076	0.456	0.025 L	-0.045	0.542
Mean	0.042 L	-0.009	26.164	0.460	0.035 L	-0.023	0.555
%RSD	12.359	60.908	0.973	1.049	26.224	107.461	2.105

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.092 L	-0.022 L	-0.001
# 2 L	-0.146 L	-0.031 L	-0.001

	Tl	V	Zn
	ppm	ppm	ppm
# 1 L	-0.092 L	-0.022 L	-0.001
# 2 L	-0.146 L	-0.031 L	-0.001
# 3 L	-0.206 L	-0.045 L	-0.005

Mean L	-0.148 L	-0.033 L	-0.002
%RSD	38.673	35.603	93.870

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10729-7 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:46:22 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.023	0.252	0.089 L	-0.001	0.010	0.203 L	-0.004
# 2 L	-0.027	0.240	0.088 L	-0.001	0.010	0.207 L	-0.014
# 3 L	-0.035	0.178	0.086 L	-0.002	0.004	0.197 L	-0.029
Mean L	-0.028	0.223	0.088 L	-0.001	0.008	0.202 L	-0.015
%RSD	22.830	17.614	1.601	37.749	42.315	2.505	82.078

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.026	0.075	35.062	0.596	0.030 L	-0.011	0.728
# 2	0.022	0.065	36.018	0.617	0.025 L	-0.005	0.720
# 3	0.016	0.063	36.612	0.622	0.019 L	-0.029	0.674
Mean	0.021	0.068	35.897	0.612	0.025 L	-0.015	0.707
%RSD	24.870	9.273	2.179	2.248	23.713	84.618	4.117

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.045 L	-0.008	0.039
# 2 L	-0.126 L	-0.018	0.039
# 3 L	-0.143 L	-0.030	0.038
Mean L	-0.105 L	-0.019	0.039
%RSD	49.896	59.557	2.292

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10777-2 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:49:52 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.002	0.488	0.156	0.001 L	-0.006	0.128	0.018
# 2 L	-0.003	0.469	0.156	0.001 L	-0.009	0.134	0.017
# 3 L	-0.001	0.457	0.155	0.001 L	-0.002	0.135	0.018
Mean L	-0.002	0.471	0.156	0.001 L	-0.006	0.132	0.018
%RSD	49.069	3.268	0.354	8.449	58.112	2.831	4.879

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.002	1.434	0.476	0.028	0.060 L	-0.033	0.473
# 2	0.002	1.424	0.506	0.025	0.058 L	-0.045	0.456
# 3	0.002	1.368	0.558	0.026	0.052 L	-0.020	0.454
Mean	0.002	1.408	0.513	0.026	0.057 L	-0.033	0.461
%RSD	6.928	2.526	8.138	4.838	7.949	37.929	2.185

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.036	0.178	0.161
# 2	0.073	0.176	0.164
# 3	0.041	0.179	0.160
Mean	0.050	0.178	0.161
%RSD	40.562	1.035	1.352

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10777-3 Identity 2 : 100196,LSS,, Type : SAMPLE

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10777-3 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
EVOLUTION by Micro-Active Australia Pty Ltd 6:53:36 PM October 1, 1996

Spooler time : 6:53:28 PM October 1, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm		Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-0.003	0.035	0.099	0.000	L	-0.005	0.051	0.003
# 2	L	-0.005	0.041	0.099	0.000	L	-0.004	0.049	0.002
# 3	L	-0.002	0.032	0.098	0.000	L	-0.001	0.058	0.004
Mean	L	-0.004	0.036	0.099	0.000	L	-0.003	0.052	0.003
%RSD		41.230	13.093	0.343	69.282		50.790	8.948	33.178

		Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm		Pb1 ppm	Sb1 ppm
# 1	L	-0.004	0.084	0.626	0.018	0.039	L	-0.026	0.183
# 2	L	-0.005	0.088	0.629	0.018	0.042	L	-0.048	0.178
# 3	L	-0.004	0.074	0.633	0.018	0.039	L	-0.038	0.179
Mean	L	-0.004	0.082	0.629	0.018	0.040	L	-0.038	0.180
%RSD		18.028	8.707	0.596	2.131	4.994		28.790	1.599

		Tl1 ppm	V 1 ppm	Zn1 ppm
# 1		0.022	0.004	0.167
# 2	L	-0.013	0.003	0.163
# 3		0.009	0.004	0.167
Mean		0.006	0.004	0.166
%RSD		296.473	20.972	1.345

EVOLUTION by Micro-Active Australia Pty Ltd 7:04:28 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 6:57:06 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.005	24.709	9.732	10.141	10.597	10.306	10.228
# 2 L	-0.007	24.786	9.769	10.180	10.616	10.388	10.254
# 3 L	-0.007	24.963	9.809	10.208	10.645	10.378	10.251
Mean L	-0.006	24.819	9.770	10.177	10.619	10.357	10.244
%RSD	21.327	0.525	0.399	0.332	0.227	0.431	0.138

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	9.713	24.278	23.742	10.171	10.306	10.297	10.090
# 2	9.758	24.324	23.796	10.194	10.302	10.293	9.977
# 3	9.798	24.381	23.869	10.204	10.326	10.297	9.920
Mean	9.756	24.328	23.802	10.189	10.312	10.296	9.996
%RSD	0.437	0.213	0.269	0.165	0.124	0.024	0.865

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	10.248	9.974	10.430
# 2	10.238	10.018	10.467
# 3	10.218	10.039	10.477
Mean	10.235	10.011	10.458
%RSD	0.150	0.332	0.235

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:00:40 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	10.253 L	-0.002	0.007	0.001	0.002	0.026	0.008
# 2	10.223 L	-0.017	0.007	0.001	0.002	0.020	0.008
# 3	10.254 L	-0.011	0.007	0.001	0.002	0.021	0.014
Mean	10.244 L	-0.010	0.007	0.001	0.002	0.022	0.010
%RSD	0.171	75.499	1.095	7.217	14.783	15.596	32.495

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.001 L	-0.006	0.007	0.002 L	-0.000 L	-0.047	0.469
# 2	0.002 L	-0.008	0.009	0.001 L	-0.005 L	-0.028	0.502
# 3	0.001 L	-0.006	0.007	0.001 L	-0.002 L	-0.055	0.532
Mean	0.002 L	-0.007	0.007	0.001 L	-0.002 L	-0.043	0.501
%RSD	21.651	15.983	14.434	13.130	110.962	32.846	6.293

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.013 L	-0.007 L	-0.000
# 2 L	-0.032 L	-0.008	0.000
# 3 L	-0.043 L	-0.008 L	-0.003
Mean L	-0.029 L	-0.008 L	-0.001
%RSD	51.590	10.308	180.070

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:04:16 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Weight : 1.0000 Volume : 1.00
Spooler time : 7:04:16 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 7:04:30 PM October 1, 1996							
# 1 L	-0.004	0.001	0.006 L	-0.000 L	-0.002	0.017	0.001
# 2 L	-0.005	0.007	0.006 L	-0.001 L	-0.001	0.018	0.001
# 3 L	-0.004 L	-0.005	0.006 L	-0.000 L	-0.002	0.014	0.002
Mean L	-0.004	0.001	0.006 L	-0.000 L	-0.002	0.016	0.001
%RSD	6.192	599.984	1.422	11.547	34.799	13.317	36.740

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.000 L	-0.004	0.011	0.000 L	-0.003 L	-0.012	0.147
# 2	0.000 L	-0.006 L	-0.006	0.000 L	-0.004 L	-0.032	0.113
# 3	0.001 L	-0.006	0.005	0.000 L	-0.002	0.002	0.153
Mean	0.000 L	-0.005	0.003	0.000 L	-0.003 L	-0.014	0.138
%RSD	65.465	28.688	274.955	29.266	50.511	123.747	15.855

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.013 L	-0.003 L	-0.004
# 2 L	-0.013 L	-0.005 L	-0.004
# 3 L	-0.004 L	-0.006 L	-0.003
Mean L	-0.001 L	-0.005 L	-0.003
%RSD	1063.288	38.214	10.218

EVOLUTION by Micro-Active Australia Pty Ltd 7:15:28 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10791-1 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:07:46 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.004	0.102	0.019	0.000	0.001	0.015	0.001
# 2 L	-0.002	0.114	0.019	0.000 L	-0.000	0.016	0.007
# 3 L	-0.003	0.111	0.020	0.000 L	-0.000	0.016	0.004
Mean L	-0.003	0.109	0.019	0.000	0.000	0.015	0.004
%RSD	26.713	5.836	1.259	76.376	346.410	4.879	81.700

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.002	0.023	0.755	0.076 L	-0.005 L	-0.038	0.056
# 2	0.003	0.025	0.794	0.076 L	-0.007 L	-0.016	0.032
# 3	0.002	0.025	0.794	0.077 L	-0.008 L	-0.010	0.040
Mean	0.002	0.024	0.781	0.076 L	-0.007 L	-0.021	0.043
%RSD	9.897	3.286	2.910	0.755	23.715	68.737	28.704

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.004	0.003	0.515
# 2 L	-0.034	0.003	0.516
# 3 L	-0.019	0.009	0.516
Mean L	-0.019	0.005	0.515
%RSD	79.124	70.309	0.086

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10791-2 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:11:18 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.002	0.041	0.015	0.000 L	-0.000	0.012 L	-0.004
# 2 L	-0.001	0.062	0.016	0.000	0.003	0.013	0.001
# 3 L	-0.002	0.059	0.016	0.000 L	-0.001	0.007	0.002
Mean L	-0.002	0.054	0.016	0.000	0.001	0.011 L	-0.000
%RSD	33.559	21.430	1.674	75.000	278.747	27.955	1644.182

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.003	0.018	0.712	0.019 L	-0.004 L	-0.033	0.028
# 2	0.003	0.016	0.717	0.019	0.002 L	-0.040	0.064
# 3	0.003	0.010	0.727	0.018 L	-0.002 L	-0.016	0.039
Mean	0.003	0.014	0.719	0.019 L	-0.001 L	-0.029	0.043
%RSD	10.657	29.599	1.054	2.640	215.772	41.968	42.348

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.017	0.005	0.805
# 2	0.011	0.004	0.806
# 3 L	-0.027	0.005	0.810
Mean L	-0.011	0.005	0.807
%RSD	180.336	10.184	0.361

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10791-3 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:14:58 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Weight : [illegible] 1.0000 Volume [illegible] 1.00
Spooler time : 7:14:58 PM October 1, 1996

EVOLUTION by Micro-Active Australia Pty Ltd 7:15:30 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.001	0.025	0.011	0.000	0.000	0.016	0.036
# 2 L	-0.001	0.032	0.011	0.000	0.005	0.011	0.031
# 3 L	-0.003	0.029	0.011	0.000	0.004	0.016	0.029
Mean L	-0.002	0.029	0.011	0.000	0.003	0.015	0.032
%RSD	52.548	10.714	2.847	34.641	76.026	18.764	10.827

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.005	0.017	0.519	0.012	0.004 L	-0.060	0.033
# 2	0.004	0.005	0.502	0.012 L	-0.002 L	-0.041	0.028
# 3	0.004	0.013	0.513	0.012 L	-0.002 L	-0.060	0.031
Mean	0.004	0.011	0.511	0.012	0.000 L	-0.054	0.031
%RSD	20.757	52.644	1.681	2.145	3288.878	20.620	8.908

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.030	0.016	0.002
# 2 L	-0.015	0.013	0.002
# 3 L	-0.019	0.012	0.002
Mean L	-0.021	0.014	0.002
%RSD	36.504	17.904	9.993

EVOLUTION by Micro-Active Australia Pty Ltd 7:26:30 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10807-1 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:18:28 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.001	0.032	0.071	0.001	0.007	0.020	0.007
# 2 L	-0.002	0.029	0.071	0.001	0.004	0.018	0.001
# 3 L	-0.001	0.013	0.071	0.001	0.006	0.022	0.002
Mean L	-0.001	0.024	0.071	0.001	0.006	0.020	0.003
%RSD	52.984	40.182	0.262	8.248	28.005	8.249	101.722

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.007	0.067	17.011	0.263	0.017 L	-0.014	0.081
# 2	0.006	0.066	17.067	0.264	0.011 L	-0.031	0.067
# 3	0.006	0.069	16.934	0.262	0.013 L	-0.030	0.082
Mean	0.007	0.068	17.004	0.263	0.014 L	-0.025	0.077
%RSD	9.648	2.503	0.393	0.372	21.585	37.623	11.065

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.007 L	-0.001	0.009
# 2	0.007 L	-0.005	0.009
# 3 L	-0.010 L	-0.008	0.006
Mean L	-0.003 L	-0.004	0.008
%RSD	258.831	81.462	25.911

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10807-2 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:22:02 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.005	0.044	0.067	0.000 L	-0.002	0.030 L	-0.004
# 2 L	-0.004	0.062	0.067	0.000 L	-0.004	0.023 L	-0.001
# 3 L	-0.006	0.050	0.067	0.000 L	-0.003	0.019 L	-0.006
Mean L	-0.005	0.052	0.067	0.000 L	-0.003	0.024 L	-0.003
%RSD	22.017	17.971	0.186	23.077	39.111	23.693	71.284

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.005	0.128	16.683	0.266	0.014 L	-0.059	0.094
# 2	0.005	0.132	16.704	0.267	0.007 L	-0.018	0.055
# 3	0.005	0.127	16.685	0.265	0.009 L	-0.004	0.070
Mean	0.005	0.129	16.691	0.266	0.010 L	-0.027	0.073
%RSD	4.167	2.119	0.068	0.379	37.749	105.444	26.997

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.001 L	-0.011	0.012
# 2 L	-0.001 L	-0.012	0.011
# 3 L	-0.010 L	-0.012	0.010
Mean L	-0.003 L	-0.012	0.011
%RSD	180.926	3.039	8.140

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-1 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:25:36 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Weight : 1.0000 Volume : 1.00
Spooler time : 7:25:36 PM October 1, 1996

EVOLUTION by Micro-Active Australia Pty Ltd 7:26:32 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.002	0.160	0.266	0.002	0.000	0.039	0.002
# 2 L	-0.001	0.157	0.265	0.001	0.002	0.042	0.002
# 3 L	-0.002	0.157	0.263	0.001	0.001	0.041	0.006
Mean L	-0.002	0.158	0.265	0.001	0.001	0.041	0.003
%RSD	10.589	1.117	0.479	3.685	74.836	3.379	71.199

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.002	1.437	13.462	0.208	0.035 L	-0.022	0.141
# 2	0.001	1.441	13.397	0.207	0.031 L	-0.073	0.125
# 3	0.002	1.416	13.368	0.207	0.032 L	-0.040	0.125
Mean	0.002	1.431	13.409	0.207	0.032 L	-0.045	0.131
%RSD	17.625	0.928	0.359	0.264	7.636	57.222	6.727

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.019	0.199	0.021
# 2 L	-0.013	0.200	0.022
# 3 L	-0.004	0.198	0.020
Mean	0.001	0.199	0.021
%RSD	2360.844	0.385	5.509

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DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-3 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:29:06 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.013 L	-0.008	0.531 L	-0.001	0.010	0.085 L	-0.004
# 2	0.013 L	-0.014	0.532 L	-0.001	0.008	0.080 L	-0.007
# 3	0.010 L	-0.027	0.532 L	-0.001	0.003	0.082 L	-0.013
Mean	0.012 L	-0.016	0.531 L	-0.001	0.007	0.082 L	-0.008
%RSD	14.897	57.172	0.142	10.345	47.710	3.267	58.987

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.005	6.245 H	563.923	0.726	0.010 L	-0.031	0.219
# 2	0.004	6.262 H	566.054	0.732	0.003 L	-0.040	0.270
# 3	0.003	6.244 H	565.972	0.727	0.002 L	-0.047	0.221
Mean	0.004	6.250 H	565.316	0.728	0.005 L	-0.039	0.237
%RSD	29.304	0.164	0.214	0.399	88.626	19.689	12.189

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.243 L	-0.013	0.017
# 2 L	-0.182 L	-0.012	0.021
# 3 L	-0.174 L	-0.015	0.019
Mean L	-0.200 L	-0.013	0.019
%RSD	18.917	13.887	9.634

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-4 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:32:36 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.010	0.062	0.168 L	-0.003	0.023	0.117 L	-0.057
# 2 L	-0.009	0.050	0.166 L	-0.003	0.021	0.113 L	-0.056
# 3 L	-0.012	0.059	0.167 L	-0.003	0.023	0.118 L	-0.056
Mean L	-0.011	0.057	0.167 L	-0.003	0.022	0.116 L	-0.056
%RSD	14.918	11.195	0.368	2.038	4.616	2.038	1.171

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.017	45.695 H	844.337	1.485	0.002	0.006	0.349
# 2	0.017	45.357 H	835.047	1.474	0.001 L	-0.010	0.346
# 3	0.015	45.574 H	841.913	1.481 L	-0.006 L	-0.046	0.342
Mean	0.017	45.542 H	840.432	1.480 L	-0.001 L	-0.017	0.346
%RSD	6.614	0.377	0.573	0.363	631.894	158.036	1.103

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.309 L	-0.030	0.041
# 2 L	-0.344 L	-0.034	0.038
# 3 L	-0.322 L	-0.033	0.039
Mean L	-0.325 L	-0.032	0.040
%RSD	5.459	7.121	3.711

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-5 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:36:10 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Weight : 1.0000 Volume : 1100

Spooler time : 7:36:10 PM October 1, 1996

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm

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# 1	0.025	0.301	0.175	0.001	0.038	0.181	0.024
# 2	0.016	0.264	0.177	0.001	0.034	0.177	0.003
# 3	0.009	0.221	0.176	0.000	0.028	0.175 L	-0.007
Mean	0.017	0.262	0.176	0.001	0.033	0.178	0.007
%RSD	47.698	15.205	0.323	100.340	15.561	1.557	235.931

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.049	45.637 H	737.028	1.361	0.030 L	-0.015	0.598
# 2	0.039	46.774 H	757.547	1.390	0.018	0.005	0.562
# 3	0.032	47.164 H	767.793	1.408	0.015 L	-0.055	0.540
Mean	0.040	46.525 H	754.123	1.387	0.021 L	-0.022	0.567
%RSD	21.140	1.705	2.077	1.707	37.486	142.100	5.121

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.152	0.016	0.030
# 2 L	-0.216	0.003	0.028
# 3 L	-0.260 L	-0.008	0.029
Mean L	-0.209	0.004	0.029
%RSD	25.951	317.251	3.635

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:39:40 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.001	21.946	8.643	9.196	9.779	9.448	9.299
# 2	0.002	21.741	8.565	9.133	9.716	9.433	9.247
# 3	0.001	21.796	8.563	9.118	9.713	9.399	9.229
Mean	0.001	21.828	8.590	9.149	9.736	9.427	9.258
%RSD	45.989	0.486	0.529	0.451	0.383	0.265	0.393

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	8.689	21.968	21.220	9.227	9.382	9.418	9.226
# 2	8.606	21.855	21.033	9.142	9.336	9.360	9.129
# 3	8.593	21.906	21.027	9.141	9.328	9.353	9.024
Mean	8.629	21.910	21.093	9.170	9.349	9.377	9.126
%RSD	0.604	0.258	0.521	0.537	0.311	0.380	1.106

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	9.337	8.986	9.741
# 2	9.311	8.918	9.642
# 3	9.296	8.904	9.677
Mean	9.315	8.936	9.686
%RSD	0.224	0.493	0.517

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:43:12 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	9.759 L	-0.011	0.016	0.001	0.000	0.041	0.005
# 2	9.831 L	-0.002	0.016	0.001 L	-0.001	0.040	0.006
# 3	9.824	0.001	0.016	0.001 L	-0.001	0.045	0.004
Mean	9.805 L	-0.004	0.016	0.001 L	-0.000	0.042	0.005
%RSD	0.407	156.122	1.759	4.225	249.687	6.575	19.584

3	9.824	0.001	0.016	0.001 L	-0.001	0.045	0.004
Mean	9.805 L	-0.004	0.016	0.001 L	-0.000	0.042	0.005
%RSD	0.407	156.122	1.759	4.225	249.687	6.575	19.584

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	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.002	0.010	0.009	0.002	0.006 L	-0.047	0.481
# 2	0.001	0.016	0.018	0.003 L	-0.003 L	-0.025	0.534
# 3	0.001	0.014	0.012	0.002	0.005 L	-0.034	0.591
Mean	0.001	0.013	0.013	0.002	0.003 L	-0.035	0.535
%RSD	69.282	21.805	35.952	28.348	188.151	30.778	10.250

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.011 L	-0.000	0.000
# 2	0.054	0.000 L	-0.001
# 3	0.070 L	-0.001 L	-0.001
Mean	0.045 L	-0.000 L	-0.000
%RSD	67.060	150.000	155.307

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:46:42 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.022	0.001	0.012	0.000 L	-0.001	0.032	0.007
# 2	0.024	0.004	0.011 L	-0.000 L	-0.006	0.028	0.005
# 3	0.024	0.001	0.012 L	-0.000 L	-0.006	0.033	0.007
Mean	0.023	0.002	0.012 L	-0.000 L	-0.005	0.031	0.006
%RSD	4.496	86.603	1.772	103.923	59.393	7.797	15.660

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.003	0.004 L	-0.001	0.000	0.014 L	-0.052	0.197
# 2	0.003 L	-0.004	0.005	0.001	0.007 L	-0.039	0.180
# 3	0.002 L	-0.006 L	-0.004	0.001	0.000 L	-0.014	0.167
Mean	0.002 L	-0.002	0.000	0.001	0.007 L	-0.035	0.181
%RSD	25.471	284.248408206408641.500		51.104	99.250	54.882	8.412

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.021 L	-0.008 L	-0.001
# 2 L	-0.024 L	-0.008 L	-0.004
# 3 L	-0.019 L	-0.009 L	-0.003
Mean L	-0.021 L	-0.008 L	-0.003
%RSD	13.484	11.177	51.618

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : RW Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:50:14 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.006 L	-0.014	0.010 L	-0.000	0.001	0.035	0.001
# 2	0.007 L	-0.017	0.010	0.000	0.003	0.031	0.002
# 3	0.006 L	-0.030	0.010	0.000	0.007	0.023	0.001
Mean	0.007 L	-0.020	0.010	0.000	0.004	0.030	0.002
%RSD	12.165	39.686	2.366	300.000	88.423	20.573	54.085

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.002 L	-0.003	0.011	0.001 L	-0.005	0.003	0.095
# 2	0.003 L	-0.003	0.014	0.001 L	-0.003	0.006	0.121
# 3	0.001	0.003	0.003	0.002 L	-0.001 L	-0.004	0.112

# 1	0.002 L	0.003	0.011	0.001 L	0.005	0.003	0.095
# 2	0.003 L	-0.003	0.014	0.001 L	-0.003	0.006	0.121
# 3	0.001	0.003	0.003	0.002 L	-0.001 L	-0.004	0.112
Mean	0.002 L	-0.001	0.009	0.001 L	-0.003	0.002	0.109

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%RSD	60.615	345.682	61.101	37.630	71.998	332.916	12.044

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.032 L	-0.002 L	-0.005
# 2 L	-0.028	0.000 L	-0.006
# 3 L	-0.075 L	-0.001 L	-0.004
Mean L	-0.045 L	-0.001 L	-0.005
%RSD	57.879	101.835	12.908

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCS Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:53:46 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	1.019 L	-0.002	0.960	0.962	1.014	1.036	0.991
# 2	1.018 L	-0.017	0.958	0.960	1.011	1.033	0.989
# 3	1.022 L	-0.014	0.959	0.962	1.020	1.039	0.993
Mean	1.020 L	-0.011	0.959	0.962	1.015	1.036	0.991
%RSD	0.236	72.157	0.083	0.110	0.432	0.307	0.220

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.965 L	-0.011 L	-0.002	0.997	1.011	1.031	0.847
# 2	0.965 L	-0.010 L	-0.023	0.987	1.006	1.001	0.824
# 3	0.967 L	-0.000 L	-0.010	0.993	1.012	0.994	0.802
Mean	0.966 L	-0.007 L	-0.012	0.992	1.010	1.009	0.824
%RSD	0.101	84.945	87.912	0.487	0.335	1.996	2.767

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.951	0.964	1.012
# 2	0.973	0.962	1.018
# 3	0.979	0.967	1.008
Mean	0.968	0.964	1.013
%RSD	1.541	0.284	0.480

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : RWMS Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:57:20 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	1.027 L	-0.020	0.965	0.969	1.021	1.038	1.001
# 2	1.031 L	-0.023	0.973	0.979	1.030	1.040	1.006
# 3	1.025 L	-0.011	0.965	0.968	1.015	1.038	0.997
Mean	1.028 L	-0.018	0.968	0.972	1.022	1.039	1.002
%RSD	0.327	34.694	0.489	0.606	0.713	0.111	0.456

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.971 L	-0.009 L	-0.021	0.997	0.999	0.977	1.040
# 2	0.975 L	-0.007 L	-0.019	1.008	1.007	0.937	1.024
# 3	0.969 L	-0.005	0.007	0.992	1.010	0.998	0.966
Mean	0.972 L	-0.007 L	-0.011	0.999	1.005	0.971	1.010
%RSD	0.330	25.192	139.775	0.829	0.558	3.192	3.864

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	1.005	0.967	1.009
# 2	0.975	0.973	1.029

	Tl	V	Zn
	ppm	ppm	ppm
# 1	1.005	0.967	1.009
# 2	0.975	0.973	1.029
# 3	1.024	0.967	1.023

Mean	1.001	0.969	1.020
%RSD	2.460	0.318	1.006

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : RWMD Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:00:50 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	1.024 L	-0.014	0.963	0.964	1.016	1.038	0.999
# 2	1.022 L	-0.005	0.958	0.958	1.018	1.033	1.001
# 3	1.027 L	-0.017	0.968	0.973	1.020	1.032	1.006
Mean	1.024 L	-0.012	0.963	0.965	1.018	1.034	1.002
%RSD	0.256	52.042	0.539	0.787	0.200	0.338	0.352

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.970 L	-0.005 L	-0.027	0.991	1.015	0.932	1.058
# 2	0.965 L	-0.000	0.003	0.987	1.016	0.957	1.013
# 3	0.975 L	-0.008 L	-0.016	1.003	1.021	0.954	1.049
Mean	0.970 L	-0.005 L	-0.013	0.994	1.017	0.948	1.040
%RSD	0.521	88.578	115.470	0.810	0.325	1.420	2.271

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	1.020	0.961	1.001
# 2	0.960	0.960	0.999
# 3	0.986	0.969	1.010
Mean	0.989	0.963	1.003
%RSD	3.048	0.523	0.581

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-1 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:04:24 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.001	0.047	0.054	0.000	0.001	0.034	0.005
# 2 L	-0.003	0.029	0.054	0.000	0.003	0.035 L	-0.001
# 3 L	-0.002	0.044	0.054	0.000	0.005	0.041	0.006
Mean L	-0.002	0.040	0.054	0.000	0.003	0.037	0.004
%RSD	46.712	24.727	0.396	23.077	69.272	9.461	102.630

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.003	0.007 H	131.482	0.001 L	-0.003	0.005	0.141
# 2	0.002	0.004 H	132.573	0.001 L	-0.005 L	-0.006	0.157
# 3	0.003 L	-0.008 H	132.129	0.001 L	-0.005	0.002	0.159
Mean	0.003	0.001 H	132.061	0.001 L	-0.004	0.001	0.152
%RSD	27.725	856.083	0.415	25.710	26.945	1081.718	6.629

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.042	0.017 L	-0.001
# 2 L	-0.089	0.017 L	-0.002
# 3 L	-0.044	0.017	0.000
Mean L	-0.058	0.017 L	-0.001
%RSD	45.877	1.807	114.433

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-1D Identity 2 : 100196,LSS,, Type : SAMPLE

%RSD 15.877 11807 1141433

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-1D Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
EVOLUTION by Micro-Active Australia Pty Ltd 8:08:32 PM October 1, 1996

Spooler time : 8:08:02 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.003	0.044	0.053	0.000	0.003	0.035 L	-0.000
# 2 L	-0.004	0.059	0.053	0.000	0.004	0.040	0.002
# 3 L	-0.007	0.038	0.053	0.000 L	-0.000	0.033	0.002
Mean L	-0.005	0.047	0.053	0.000	0.002	0.036	0.001
%RSD	42.656	23.515	0.460	69.282	100.283	10.340	127.825

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.004	0.011 H	130.048	0.002 L	-0.011 L	-0.034	0.123
# 2	0.005	0.006 H	129.289	0.002 L	-0.002 L	-0.036	0.131
# 3	0.004	0.009 H	130.305	0.002 L	-0.005 L	-0.053	0.134
Mean	0.004	0.009 H	129.880	0.002 L	-0.006 L	-0.041	0.130
%RSD	15.809	29.664	0.407	7.649	76.491	25.675	4.303

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.051	0.006	0.003
# 2 L	-0.094	0.007	0.003
# 3 L	-0.075	0.002	0.005
Mean L	-0.073	0.005	0.003
%RSD	29.431	49.960	30.171

EVOLUTION by Micro-Active Australia Pty Ltd 8:19:30 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-2 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:11:34 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.006	0.035	0.063	0.000	0.004	0.043	0.006
# 2	0.006	0.029	0.063	0.000	0.006	0.047	0.003
# 3	0.006	0.035	0.063	0.000	0.003	0.043	0.001
Mean	0.006	0.033	0.063	0.000	0.005	0.045	0.003
%RSD	7.407	10.825	0.224	50.918	27.323	5.655	79.941

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.007 L	-0.010 H	161.751	0.004 L	-0.002	0.003	0.147
# 2	0.007 L	-0.017 H	162.530	0.004	0.001 L	-0.001	0.170
# 3	0.006 L	-0.012 H	162.785	0.004	0.005 L	-0.006	0.139
Mean	0.007 L	-0.013 H	162.355	0.004	0.001 L	-0.001	0.152
%RSD	8.017	29.981	0.332	0.404	376.964	327.348	10.705

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.056	0.019	0.002
# 2 L	-0.069	0.019	0.002
# 3 L	-0.062	0.017	0.003
Mean L	-0.062	0.018	0.002
%RSD	10.770	8.221	41.453

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-3 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:15:10 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.003	0.111	0.063	0.000	0.004	0.048 L	-0.006
# 2 L	-0.001	0.111	0.063	0.000 L	-0.000	0.052 L	-0.000
# 3 L	-0.004	0.105	0.063	0.000 L	-0.001	0.039 L	-0.005
Mean L	-0.003	0.109	0.063	0.000	0.001	0.046 L	-0.004
%RSD	45.464	3.237	0.444	42.857	230.666	13.931	76.310

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.002	0.044 H	184.227	0.023	0.006 L	-0.008	0.158
# 2	0.004	0.037 H	181.464	0.023	0.010 L	-0.035	0.170
# 3	0.002	0.038 H	182.671	0.023	0.006 L	-0.038	0.147
Mean	0.003	0.040 H	182.788	0.023	0.007 L	-0.027	0.158
%RSD	31.225	10.031	0.758	0.410	30.475	60.435	7.199

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.152	0.017	0.009
# 2 L	-0.104	0.021	0.010
# 3 L	-0.065	0.015	0.010
Mean L	-0.107	0.018	0.010
%RSD	40.554	14.647	5.911

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-4 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:18:44 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Weight : 1.00000 Volume : 1.00
Spooler time : 8:18:44 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 8:19:32 PM October 1, 1996							
# 1	0.002	0.004	0.178	0.000	0.000	0.048 L	-0.001
# 2	0.004	0.004	0.178	0.000	0.005	0.050	0.005
# 3	0.003	0.013	0.178	0.000	0.003	0.052 L	-0.004
Mean	0.003	0.007	0.178	0.000	0.003	0.050	0.000
%RSD	32.392	74.231	0.115	75.000	80.353	3.854	1069.268

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.001 L	-0.000 H	197.057	0.006	0.012 L	-0.032	0.160
# 2	0.002 L	-0.010 H	197.169	0.006	0.014 L	-0.008	0.173
# 3	0.002 L	-0.015 H	197.709	0.006	0.007 L	-0.019	0.170
Mean	0.002 L	-0.009 H	197.312	0.006	0.011 L	-0.019	0.168
%RSD	30.199	86.937	0.177	1.644	32.091	61.601	4.037

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.045	0.004	0.017
# 2 L	-0.045	0.007	0.016
# 3 L	-0.094	0.007	0.015
Mean L	-0.061	0.006	0.016
%RSD	46.275	26.024	5.535

EVOLUTION by Micro-Active Australia Pty Ltd 8:29:30 PM October 1, 1996

LUTION CORRECTED CONCENTRATIONS
ntity 1 : 10780-5 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:22:14 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.006	0.417	0.029 L	-0.002	0.014	0.083 L	-0.032
# 2 L	-0.005	0.417	0.030 L	-0.001	0.012	0.088 L	-0.033
# 3 L	-0.009	0.399	0.028 L	-0.002	0.015	0.087 L	-0.033
Mean L	-0.007	0.411	0.029 L	-0.002	0.014	0.086 L	-0.033
%RSD	27.631	2.579	2.679	21.501	14.450	3.298	2.835

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.017	0.357 H	385.883	0.053	0.014 L	-0.002	0.230
# 2	0.018	0.354 H	379.350	0.053	0.012 L	-0.013	0.269
# 3	0.014	0.354 H	389.181	0.054	0.019 L	-0.023	0.258
Mean	0.016	0.355 H	384.805	0.053	0.015 L	-0.013	0.252
%RSD	11.249	0.453	1.300	1.189	24.413	85.652	7.768

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.176 L	-0.020	0.001
# 2 L	-0.142 L	-0.019	0.003
# 3 L	-0.128 L	-0.027	0.001
Mean L	-0.148 L	-0.022	0.002
%RSD	16.593	19.568	78.164

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:25:46 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.001	23.721	9.260	9.642	10.044	9.859	9.732
# 2 L	-0.000	23.580	9.210	9.593	9.994	9.818	9.676
# 3 L	-0.002	23.724	9.289	9.683	10.064	9.856	9.743
Mean L	-0.001	23.675	9.253	9.639	10.034	9.845	9.717
%RSD	73.821	0.347	0.437	0.471	0.356	0.233	0.372

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	9.313	22.978	22.814	9.661	9.782	9.793	9.609
# 2	9.260	22.952	22.637	9.627	9.742	9.706	9.476
# 3	9.325	23.059	22.829	9.687	9.818	9.892	9.416
Mean	9.299	22.997	22.760	9.658	9.781	9.797	9.500
%RSD	0.369	0.242	0.467	0.310	0.388	0.950	1.042

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	9.615	9.495	9.950
# 2	9.534	9.447	9.926
# 3	9.799	9.527	9.997
Mean	9.649	9.490	9.958
%RSD	1.407	0.427	0.363

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:29:20 PM October 1, 1996

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	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Spooler time : 8:29:20 PM October 1, 1996

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm

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# 1	10.127 L	-0.014	0.010	0.001	0.004	0.024 L	-0.001
# 2	10.057 L	-0.002	0.011	0.001	0.002	0.031 L	-0.001
# 3	10.038	0.001	0.011	0.001	0.007	0.029 L	-0.000
Mean	10.074 L	-0.005	0.011	0.001	0.004	0.028 L	-0.001
%RSD	0.463	158.745	0.884	11.177	52.174	12.364	71.838

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.001 L	-0.006	0.020	0.001	0.005 L	-0.005	0.441
# 2	0.001 L	-0.006	0.012	0.002	0.001 L	-0.012	0.482
# 3 L	-0.001	0.002	0.009	0.001	0.005 L	-0.013	0.511
Mean	0.000 L	-0.003	0.014	0.001	0.004 L	-0.010	0.478
%RSD	249.800	151.893	41.660	37.952	56.709	45.074	7.419

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.026 L	-0.007 L	-0.002
# 2	0.023 L	-0.008	0.001
# 3 L	-0.070 L	-0.009	0.000
Mean L	-0.024 L	-0.008 L	-0.000
%RSD	188.548	13.863	540.538

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:32:48 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.001 L	-0.008	0.009 L	-0.000 L	-0.003	0.020 L	-0.003
# 2	0.003	0.010	0.010	0.000 L	-0.003	0.020 L	-0.000
# 3	0.000 L	-0.014	0.009 L	-0.000 L	-0.003	0.028 L	-0.005
Mean	0.001 L	-0.004	0.009 L	-0.000 L	-0.003	0.023 L	-0.003
%RSD	116.400	312.253	4.079	120.000	12.898	19.614	87.300

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1 L	-0.001 L	-0.006	0.916	0.000 L	-0.009 L	-0.052	0.147
# 2	0.000 L	-0.013	0.927	0.001 L	-0.002 L	-0.021	0.160
# 3 L	-0.001 L	-0.001	0.916	0.001 L	-0.009 L	-0.016	0.172
Mean L	-0.000 L	-0.007	0.920	0.001 L	-0.007 L	-0.030	0.160
%RSD	162.255	94.921	0.706	78.642	65.579	64.379	7.810

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.042 L	-0.003	0.017
# 2 L	-0.025 L	-0.001	0.016
# 3 L	-0.049 L	-0.002	0.017
Mean L	-0.038 L	-0.002	0.017
%RSD	32.526	45.922	3.328

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-6 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:36:18 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.004	0.001	0.053	0.000	0.000	0.043 L	-0.000
# 2	0.004	0.010	0.053	0.000 L	-0.002	0.039 L	-0.004
# 3	0.002	0.007	0.053	0.000 L	-0.003	0.043 L	-0.002
Mean	0.003	0.006	0.053	0.000 L	-0.001	0.041 L	-0.002
%RSD	36.181	76.376	0.152	57.735	99.834	5.320	76.194

3	0.002	0.007	0.053	0.000 L	-0.003	0.043 L	-0.002
Mean	0.003	0.006	0.053	0.000 L	-0.001	0.041 L	-0.002
%RSD	36.181	76.376	0.152	57.735	99.834	5.320	76.194

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	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.003 L	-0.009 H	139.529	0.003 L	-0.007 L	-0.021	0.147
# 2	0.002 L	-0.011 H	139.322	0.002 L	-0.008 L	-0.009	0.168
# 3	0.001 L	-0.010 H	140.370	0.002 L	-0.012 L	-0.068	0.140
Mean	0.002 L	-0.010 H	139.741	0.002 L	-0.009 L	-0.033	0.152
%RSD	36.638	6.954	0.397	24.538	35.205	94.275	9.631

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.065	0.012	0.004
# 2 L	-0.076	0.013	0.006
# 3 L	-0.089	0.011	0.005
Mean L	-0.077	0.012	0.005
%RSD	16.109	10.169	20.494

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-7 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:39:48 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.013	0.019	0.040	0.000 L	-0.002	0.060	0.005
# 2	0.013	0.016	0.040	0.000 L	-0.002	0.055	0.005
# 3	0.012	0.022	0.040	0.000 L	-0.001	0.043	0.005
Mean	0.013	0.019	0.040	0.000 L	-0.002	0.053	0.005
%RSD	6.082	15.789	0.348	23.077	15.408	17.243	8.540

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.004	0.002 H	195.390	0.001	0.005 L	-0.017	0.157
# 2	0.004 L	-0.003 H	196.325	0.002 L	-0.006 L	-0.005	0.138
# 3	0.003 L	-0.001 H	196.950	0.000 L	-0.001 L	-0.015	0.126
Mean	0.004 L	-0.001 H	196.222	0.001 L	-0.000 L	-0.012	0.140
%RSD	17.647	270.715	0.400	50.989	1323.831	50.379	11.352

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.022	0.018	0.003
# 2 L	-0.037	0.017	0.004
# 3 L	-0.017	0.016	0.003
Mean L	-0.025	0.017	0.003
%RSD	42.350	6.761	15.968

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-8 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:43:22 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.004	0.062	0.056 L	-0.000	0.009	0.049 L	-0.009
# 2	0.005	0.081	0.057	0.000	0.006	0.046 L	-0.008
# 3	0.005	0.056	0.056 L	-0.000	0.004	0.045 L	-0.006
Mean	0.005	0.066	0.056 L	-0.000	0.006	0.047 L	-0.008
%RSD	10.834	19.215	0.463	208.167	34.641	5.335	17.565

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.003	0.015 H	214.910	0.002	0.000	0.000	0.158
# 2	0.004	0.008 H	213.146	0.002 L	-0.003	0.008	0.142
# 3	0.004	0.009 H	213.212	0.001 L	-0.007 L	-0.028	0.145

# 1	0.003	0.015 H	213.910	0.002	0.000	0.000	0.138
# 2	0.004	0.008 H	213.146	0.002 L	-0.003	0.008	0.142
# 3	0.004	0.009 H	213.212	0.001 L	-0.007 L	-0.028	0.145
Mean	0.004	0.011 H	213.756	0.002 L	-0.003 L	-0.007	0.148

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%RSD	6.662	34.620	0.468	20.476	113.278	280.277	5.817

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.037	0.017	0.025
# 2 L	-0.055	0.024	0.025
# 3 L	-0.004	0.016	0.025
Mean L	-0.032	0.019	0.025
%RSD	80.615	21.958	1.763

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-9 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:46:52 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.003	0.068	0.108	0.000	0.004	0.042 L	-0.006
# 2	0.002	0.044	0.107	0.000	0.003	0.051 L	-0.001
# 3	0.002	0.059	0.107	0.000	0.008	0.044 L	-0.003
Mean	0.002	0.057	0.107	0.000	0.005	0.046 L	-0.003
%RSD	24.771	21.651	0.190	91.652	46.093	10.889	70.115

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.006	0.022 H	186.623	0.001 L	-0.005 L	-0.035	0.113
# 2	0.006	0.013 H	185.834	0.002 L	-0.006 L	-0.034	0.143
# 3	0.006	0.017 H	184.949	0.002 L	-0.003 L	-0.048	0.141
Mean	0.006	0.017 H	185.802	0.002 L	-0.005 L	-0.039	0.132
%RSD	4.174	26.067	0.451	28.348	30.798	19.966	12.858

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.066	0.019	0.004
# 2 L	-0.010	0.016	0.001
# 3	0.021	0.015	0.002
Mean L	-0.019	0.017	0.002
%RSD	237.980	13.887	50.070

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-10 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:50:28 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.003	0.053	0.044	0.000	0.003	0.032	0.007
# 2	0.002	0.035	0.044	0.000	0.006	0.033	0.002
# 3	0.002	0.032	0.043	0.000	0.002	0.042	0.003
Mean	0.002	0.040	0.044	0.000	0.004	0.036	0.004
%RSD	33.598	29.125	0.981	23.077	63.557	15.560	70.148

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.007	0.552 H	159.641	0.006	0.004 L	-0.058	0.125
# 2	0.006	0.548 H	159.227	0.007	0.002 L	-0.047	0.112
# 3	0.005	0.539 H	159.383	0.006	0.001 L	-0.046	0.117
Mean	0.006	0.546 H	159.417	0.006	0.002 L	-0.050	0.118
%RSD	14.098	1.159	0.131	9.452	78.506	13.785	5.555

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.016	0.016	0.042
# 2 L	-0.014	0.015	0.042

		Tl1	V 1	Zn1
		ppm	ppm	ppm
# 1		0.016	0.016	0.042
# 2	L	-0.014	0.015	0.042
# 3		0.052	0.016	0.045

Mean	0.018	0.016	0.043
%RSD	181.179	3.310	4.153

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-11 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:54:04 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.003	0.007	0.006 L	-0.000	0.005	0.017	0.011
# 2 L	-0.004 L	-0.008	0.005 L	-0.000 L	-0.002	0.017	0.005
# 3 L	-0.004	0.001	0.006 L	-0.000 L	-0.000	0.006	0.007
Mean L	-0.003 L	-0.000	0.006 L	-0.000	0.001	0.013	0.007
%RSD	20.819	23898819.306	5.017	75.000	409.954	49.550	40.511

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.004	0.006	0.007	0.001 L	-0.011 L	-0.028	0.072
# 2	0.001	0.008 L	-0.008	0.000 L	-0.007 L	-0.035	0.076
# 3	0.002	0.006	0.005	0.000 L	-0.000 L	-0.045	0.097
Mean	0.003	0.006	0.001	0.000 L	-0.006 L	-0.036	0.082
%RSD	57.524	15.657	653.835	106.331	86.368	23.688	16.597

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.026 L	-0.007 L	-0.004
# 2 L	-0.064 L	-0.007 L	-0.005
# 3 L	-0.038 L	-0.004 L	-0.002
Mean L	-0.043 L	-0.006 L	-0.004
%RSD	45.273	23.629	32.679

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10780-12 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 8:57:42 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.002 L	-0.008	0.192	0.000	0.006	0.042 L	-0.004
# 2	0.002	0.004	0.192	0.000	0.010	0.042	0.002
# 3	0.002 L	-0.008	0.191	0.000	0.009	0.042	0.002
Mean	0.001 L	-0.004	0.192	0.000	0.008	0.042	0.000
%RSD	448.743	173.208	0.297	21.651	26.674	0.744	3074.627

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.001 L	-0.013 H	205.726	0.006 L	-0.009 L	-0.026	0.125
# 2	0.002 L	-0.012 H	204.295	0.006 L	-0.016 L	-0.007	0.140
# 3	0.004 L	-0.015 H	203.007	0.007 L	-0.006 L	-0.006	0.157
Mean	0.002 L	-0.013 H	204.343	0.006 L	-0.010 L	-0.013	0.141
%RSD	60.998	11.904	0.665	9.611	50.935	87.513	11.606

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.043	0.010	0.012
# 2 L	-0.090	0.013	0.009
# 3 L	-0.073	0.013	0.009
Mean L	-0.069	0.012	0.010
%RSD	34.264	15.024	16.771

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10854-1 Identity 2 : 100196,LSS,, Type : SAMPLE

%RSD 37.264 15.024 16.771

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10854-1 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
EVOLUTION by Micro-Active Australia Pty Ltd 9:01:34 PM October 1, 1996

Spooler time : 9:01:20 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.011	0.237	0.048 L	-0.003	0.015	0.091 L	-0.060
# 2 L	-0.018	0.191	0.046 L	-0.003	0.013	0.088 L	-0.070
# 3 L	-0.025	0.157	0.044 L	-0.004	0.010	0.080 L	-0.082
Mean L	-0.018	0.195	0.046 L	-0.003	0.013	0.086 L	-0.071
%RSD	38.304	20.499	3.824	19.478	21.103	6.149	15.950

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.033	0.347	42.981	1.081	0.051	0.015	0.277
# 2	0.027	0.351	43.045	1.076	0.048 L	-0.008	0.280
# 3	0.020	0.354	43.796	1.094	0.041 L	-0.077	0.260
Mean	0.027	0.351	43.274	1.084	0.047 L	-0.023	0.272
%RSD	24.240	1.051	1.048	0.844	11.692	205.615	3.919

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.111 L	-0.028	0.013
# 2 L	-0.166 L	-0.042	0.010
# 3 L	-0.155 L	-0.052	0.010
Mean L	-0.144 L	-0.041	0.011
%RSD	20.000	29.573	17.616

EVOLUTION by Micro-Active Australia Pty Ltd 9:12:32 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10854-2 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:04:52 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.012	0.237	0.051 L	-0.002	0.016	0.115 L	-0.041
# 2 L	-0.016	0.206	0.050 L	-0.003	0.011	0.112 L	-0.049
# 3 L	-0.024	0.175	0.049 L	-0.004	0.011	0.105 L	-0.063
Mean L	-0.018	0.206	0.050 L	-0.003	0.013	0.111 L	-0.051
%RSD	34.703	14.851	2.438	19.721	20.781	4.579	22.118

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.030	0.002	49.906	0.833	0.054	0.007	0.374
# 2	0.025	0.004 H	50.568	0.839	0.031	0.009	0.351
# 3	0.020	0.002 H	51.472	0.853	0.029 L	-0.038	0.371
Mean	0.025	0.002 H	50.649	0.842	0.038 L	-0.007	0.366
%RSD	19.732	44.988	1.552	1.199	37.091	375.106	3.375

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.151 L	-0.036	0.014
# 2 L	-0.112 L	-0.040	0.013
# 3 L	-0.185 L	-0.056	0.010
Mean L	-0.149 L	-0.044	0.012
%RSD	24.657	24.599	17.961

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10854-3 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:08:26 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.011	0.169	0.063 L	-0.001	0.006	0.107 L	-0.025
# 2 L	-0.013	0.151	0.062 L	-0.001	0.006	0.105 L	-0.032
# 3 L	-0.015	0.145	0.062 L	-0.002	0.006	0.104 L	-0.037
Mean L	-0.013	0.155	0.062 L	-0.001	0.006	0.105 L	-0.031
%RSD	12.838	8.217	0.959	19.359	1.515	1.148	20.148

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.019	0.006	28.464	3.405	0.037	0.008	0.353
# 2	0.016 L	-0.000	28.659	3.424	0.043 L	-0.036	0.320
# 3	0.015 L	-0.006	28.432	3.387	0.046	0.042	0.317
Mean	0.017	0.000	28.519	3.406	0.042	0.005	0.330
%RSD	10.097	10931.514	0.431	0.553	11.070	868.103	6.008

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.085 L	-0.019	0.004
# 2 L	-0.053 L	-0.025	0.002
# 3 L	-0.040 L	-0.023	0.002
Mean L	-0.059 L	-0.023	0.002
%RSD	39.166	13.869	49.680

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:12:00 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Weight : 150000 Volume : 1100
Spooler time : 9:12:00 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 9:12:34 PM October 1, 1996							
# 1 L	-0.006	23.663	9.273	9.737	10.214	9.926	9.834
# 2 L	-0.005	23.614	9.275	9.753	10.174	9.970	9.829
# 3 L	-0.002	23.234	9.127	9.584	10.055	9.824	9.689
Mean L	-0.004	23.504	9.225	9.691	10.148	9.907	9.784
%RSD	51.070	0.998	0.920	0.965	0.815	0.756	0.842

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	9.307	23.212	22.703	9.768	9.898	9.852	9.711
# 2	9.302	23.256	22.724	9.767	9.925	9.786	9.701
# 3	9.137	22.863	22.362	9.621	9.765	9.683	9.414
Mean	9.249	23.110	22.596	9.719	9.862	9.774	9.609
%RSD	1.048	0.930	0.899	0.869	0.869	0.871	1.754

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	9.758	9.555	10.120
# 2	9.861	9.561	10.123
# 3	9.662	9.416	9.968
Mean	9.760	9.511	10.070
%RSD	1.020	0.858	0.880

EVOLUTION by Micro-Active Australia Pty Ltd 9:23:32 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:15:30 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	10.102 L	-0.020	0.013	0.001	0.003	0.036	0.007
# 2	10.123 L	-0.023	0.014	0.001 L	-0.000	0.040	0.012
# 3	10.151 L	-0.011	0.013	0.001	0.000	0.036	0.010
Mean	10.125 L	-0.018	0.013	0.001	0.001	0.038	0.009
%RSD	0.243	34.694	1.394	3.936	170.142	6.423	27.574

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1 L	-0.000 L	-0.001	0.039	0.001 L	-0.005 L	-0.001	0.495
# 2	0.001 L	-0.006	0.035	0.000 L	-0.004 L	-0.014	0.553
# 3 L	-0.001 L	-0.003	0.037	0.000 L	-0.000 L	-0.035	0.602
Mean	0.000 L	-0.003	0.037	0.000 L	-0.003 L	-0.017	0.550
%RSD	448521784836.000	72.677	5.085	60.000	83.447	102.409	9.693

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.017 L	-0.005 L	-0.000
# 2 L	-0.011 L	-0.004 L	-0.002
# 3 L	-0.015 L	-0.007 L	-0.001
Mean L	-0.003 L	-0.005 L	-0.001
%RSD	555.682	27.495	75.635

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:19:00 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.000 L	-0.011	0.011	0.000	0.002	0.033	0.008
# 2 L	-0.002 L	-0.023	0.011	0.000	0.003	0.028	0.002
# 3 L	-0.001 L	-0.030	0.010	0.000	0.001	0.038	0.005
Mean L	-0.001 L	-0.021	0.011	0.000	0.002	0.033	0.005
%RSD	71.814	43.644	1.593	15.746	66.512	14.893	53.877

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.001 L	-0.015	0.018	0.000	0.004 L	-0.085	0.172
# 2	0.001 L	-0.012 L	-0.001	0.000 L	-0.001 L	-0.054	0.167
# 3 L	-0.001 L	-0.012	0.003	0.001	0.003 L	-0.065	0.194
Mean	0.000 L	-0.013	0.007	0.000	0.002 L	-0.068	0.178
%RSD	354.436	11.838	144.314	30.929	123.535	22.979	8.086

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.011 L	-0.002 L	-0.003
# 2	0.006 L	-0.001 L	-0.005
# 3	0.006 L	-0.003 L	-0.003
Mean L	-0.000 L	-0.002 L	-0.004
%RSD	520282.218	58.531	34.886

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10854-4 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:22:38 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Weight : 1.0000 Volume : 100.00
Spooler time : 9:22:38 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 9:23:36 PM October 1, 1996							
# 1 L	-0.017	0.188	0.064 L	-0.002	0.011	0.098 L	-0.048
# 2 L	-0.026	0.126	0.063 L	-0.003	0.010	0.089 L	-0.050
# 3 L	-0.026	0.139	0.062 L	-0.003	0.009	0.092 L	-0.060
Mean L	-0.023	0.151	0.063 L	-0.002	0.010	0.093 L	-0.055
%RSD	23.080	21.452	1.840	21.183	11.552	4.781	11.722

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.029	0.011 H	50.266	2.173	0.071 L	-0.007	0.304
# 2	0.020	0.006 H	51.314	2.211	0.053 L	-0.093	0.293
# 3	0.021 L	-0.000 H	50.176	2.149	0.058 L	-0.025	0.279
Mean	0.023	0.006 H	50.586	2.178	0.061 L	-0.042	0.292
%RSD	21.029	96.100	1.251	1.440	15.414	109.880	4.284

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.091 L	-0.032	0.008
# 2 L	-0.202 L	-0.044	0.007
# 3 L	-0.158 L	-0.040	0.007
Mean L	-0.150 L	-0.039	0.007
%RSD	37.226	16.066	12.558

EVOLUTION by Micro-Active Australia Pty Ltd 9:33:32 PM October 1, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10854-5 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:26:10 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.001	0.356	0.083 L	-0.001	0.029	0.169 L	-0.008
# 2 L	-0.012	0.298	0.080 L	-0.002	0.021	0.162 L	-0.033
# 3 L	-0.016	0.270	0.079 L	-0.003	0.014	0.140 L	-0.042
Mean L	-0.010	0.308	0.080 L	-0.002	0.021	0.157 L	-0.028
%RSD	81.889	14.200	2.566	39.120	34.199	9.786	63.663

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.050	0.039	47.471	2.485	0.072	0.063	0.551
# 2	0.039	0.028	48.376	2.527	0.062 L	-0.023	0.495
# 3	0.034	0.028	48.391	2.516	0.057 L	-0.023	0.473
Mean	0.041	0.032	48.080	2.509	0.064	0.006	0.506
%RSD	19.784	19.746	1.096	0.859	11.387	877.984	7.964

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.058 L	-0.012	0.005
# 2 L	-0.092 L	-0.025	0.001
# 3 L	-0.160 L	-0.032	0.000
Mean L	-0.103 L	-0.023	0.002
%RSD	50.065	44.609	124.385

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10854-6 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:29:44 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.016	0.322	0.079 L	-0.002	0.019	0.179 L	-0.040
# 2 L	-0.019	0.310	0.079 L	-0.003	0.017	0.174 L	-0.044
# 3 L	-0.025	0.283	0.078 L	-0.003	0.013	0.182 L	-0.053
Mean L	-0.020	0.305	0.079 L	-0.003	0.016	0.178 L	-0.046
%RSD	20.470	6.681	0.827	15.031	19.642	2.275	13.891

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.037	0.095	39.569	11.476	0.080	0.014	0.573
# 2	0.036	0.088	39.797	11.526	0.094 L	-0.036	0.582
# 3	0.031	0.085	41.342	12.010	0.086 L	-0.027	0.544
Mean	0.035	0.089	40.236	11.671	0.086 L	-0.016	0.566
%RSD	10.287	6.046	2.398	2.525	8.022	160.383	3.516

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.092 L	-0.040	0.003
# 2 L	-0.159 L	-0.044	0.003
# 3 L	-0.195 L	-0.052	0.002
Mean L	-0.149 L	-0.045	0.003
%RSD	35.410	13.436	13.281

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10854-7 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:33:18 PM October 1, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2

Weight : 1.0000 Volume : 1.00

Spooler time : 9:33:18 PM October 1, 1996

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2
ppm	ppm	ppm	ppm	ppm	ppm	ppm

EVOLUTION by Micro-Active Australia Pty Ltd 9:40:32 PM October 1, 1996

# 1	L	-0.004	L	-0.045	0.025	L	-0.000	0.002	0.068	0.004
# 2	L	-0.004	L	-0.049	0.025		0.000	0.000	0.003	0.007
# 3	L	-0.004	L	-0.042	0.026	L	-0.000	0.000	0.070	0.007
Mean	L	-0.004	L	-0.045	0.026	L	-0.000	0.001	0.074	0.006
%RSD		6.741		6.818	0.485		150.000	96.864	11.067	31.549

		Cu1 ppm		Fe1 ppm	Mg1 ppm		Mn1 ppm		Ni1 ppm		Pb1 ppm	Sb1 ppm
# 1	L	-0.003	L	-0.022	0.042		0.001	L	-0.005	L	-0.014	0.256
# 2	L	-0.001	L	-0.017	0.027		0.000		0.006	L	-0.038	0.296
# 3	L	-0.002	L	-0.019	0.026		0.000		0.001	L	-0.017	0.279
Mean	L	-0.002	L	-0.019	0.032		0.001		0.001	L	-0.023	0.277
%RSD		53.927		13.612	29.017		33.505		932.878		56.209	7.276

	Tl1 ppm		V 1 ppm		Zn1 ppm
# 1	0.039	L	-0.003	L	-0.002
# 2	-0.011	L	-0.001	L	-0.004
# 3	-0.013	L	-0.002	L	-0.005
Mean	0.005	L	-0.002	L	-0.004
%RSD	596.679		41.944		30.752

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10854-8 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:36:48 PM October 1, 1996

		Ag1 ppm		Al1 ppm	Ba1 ppm	Be1 ppm		Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-0.004	L	-0.039	0.011	0.000	L	-0.005	0.037	0.008
# 2	L	-0.002	L	-0.023	0.012	0.001	L	-0.002	0.032	0.009
# 3	L	-0.004	L	-0.033	0.011	0.001	L	-0.005	0.032	0.012
Mean	L	-0.003	L	-0.032	0.011	0.001	L	-0.004	0.034	0.010
%RSD		30.450		24.354	1.425	9.623		49.205	9.294	20.716

		Cu1 ppm		Fe1 ppm	Mg1 ppm	Mn1 ppm		Ni1 ppm		Pb1 ppm	Sb1 ppm
# 1	L	-0.001	L	-0.011	0.014	0.001		0.002	L	-0.018	0.101
# 2		0.000	L	-0.012	0.009	0.002		0.003	L	-0.021	0.112
# 3		0.000	L	-0.011	0.020	0.001		0.008	L	-0.024	0.104
Mean	L	-0.000	L	-0.011	0.014	0.001		0.004	L	-0.021	0.105
%RSD		433.013		5.181	39.130	47.321		63.103		12.771	5.277

	Tl1 ppm		V 1 ppm		Zn1 ppm
# 1	0.066	L	-0.008	L	-0.002
# 2	0.038	L	-0.008	L	-0.004
# 3	0.038	L	-0.007	L	-0.002
Mean	0.047	L	-0.008	L	-0.003
%RSD	34.644		7.792		36.982

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10854-9 Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:40:20 PM October 1, 1996

		Ag1 ppm		Al1 ppm	Ba1 ppm	Be1 ppm		Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	L	-0.002		0.010	0.008	0.001	L	-0.005	0.025	0.008
# 2	L	-0.003		0.010	0.008	0.001		0.002	0.029	0.012
# 3	L	-0.001		0.013	0.008	0.001		0.001	0.022	0.015
Mean	L	-0.002		0.011	0.008	0.001	L	-0.001	0.025	0.012
%RSD		37.146		15.746	2.440	8.660		526.637	13.223	30.368

# 3	L	-0.001	0.013	0.008	0.001	0.001	0.022	0.015
Mean	L	-0.002	0.011	0.008	0.001	L -0.001	0.025	0.012
%RSD		37.146	15.746	2.440	8.660	526.637	13.223	30.368

EVOLUTION by Micro-Active Australia Pty Ltd 9:47:32 PM October 1, 1996

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.004 L	-0.010	0.009	0.000 L	-0.008 L	-0.015	0.063
# 2	0.004 L	-0.016	0.016	0.000 L	-0.007 L	-0.008	0.067
# 3	0.005 L	-0.010	0.020 L	-0.000	0.002 L	-0.040	0.075
Mean	0.004 L	-0.012	0.015	0.000 L	-0.004 L	-0.021	0.068
%RSD	8.248	28.309	38.188	242.487	137.811	78.359	8.883

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.026 L	-0.004 L	-0.003
# 2 L	-0.000 L	-0.004 L	-0.004
# 3 L	-0.000 L	-0.001 L	-0.004
Mean L	-0.009 L	-0.003 L	-0.004
%RSD	173.107	70.186	12.730

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:43:52 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.018 H	473.396	0.014	0.000	0.047	0.065 L	-0.002
# 2 L	-0.017 H	474.338	0.015	0.000	0.049	0.074 L	-0.000
# 3 L	-0.017 H	474.066	0.015	0.000	0.048	0.063	0.001
Mean L	-0.017 H	473.933	0.015	0.000	0.048	0.067 L	-0.000
%RSD	4.381	0.102	0.849	41.660	1.717	8.965	412.432

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.005 H	179.744 H	458.472	0.018 L	-0.016 L	-0.064	0.078
# 2	0.004 H	180.149 H	459.651	0.016 L	-0.002 L	-0.012	0.072
# 3	0.005 H	179.551 H	458.593	0.018 L	-0.005 L	-0.041	0.052
Mean	0.005 H	179.815 H	458.905	0.017 L	-0.008 L	-0.039	0.067
%RSD	9.184	0.170	0.141	7.855	95.695	66.458	19.981

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.160	0.010	0.031
# 2 L	-0.143	0.011	0.033
# 3 L	-0.156	0.013	0.032
Mean L	-0.153	0.011	0.032
%RSD	5.676	13.393	2.409

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSAB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:47:26 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	0.977 H	474.797	0.492	0.481	1.028	0.544	0.484
# 2	0.974 H	473.227	0.490	0.480	1.026	0.546	0.483
# 3	0.975 H	474.779	0.492	0.481	1.020	0.548	0.485
Mean	0.975 H	474.268	0.492	0.481	1.025	0.546	0.484
%RSD	0.131	0.190	0.225	0.208	0.411	0.401	0.230

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.476 H	179.047 H	457.945	0.494	0.947	0.935	0.084
# 2	0.475 H	177.982 H	456.055	0.492	0.934	0.880	0.055
# 3	0.475 H	178.315 H	456.921	0.493	0.954	0.926	0.067

# 1	0.476 H	179.047 H	457.945	0.494	0.947	0.935	0.084
# 2	0.475 H	177.982 H	456.055	0.492	0.934	0.880	0.055
# 3	0.475 H	178.315 H	456.921	0.493	0.954	0.926	0.067
Mean	0.475 H	178.448 H	456.974	0.493	0.945	0.914	0.068

EVOLUTION by Micro-Active Australia Pty Ltd 9:54:40 PM October 1, 1996

%RSD	0.156	0.305	0.207	0.220	1.076	3.208	21.514

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1 L	-0.160	0.487	1.131
# 2 L	-0.141	0.488	1.139
# 3 L	-0.162	0.490	1.134
Mean L	-0.154	0.488	1.135
%RSD	7.554	0.260	0.359

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:50:58 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.005	25.021	9.729	10.037	10.332	10.144	10.120
# 2 L	-0.005	24.890	9.688	10.013	10.331	10.172	10.082
# 3 L	-0.005	24.957	9.715	10.043	10.351	10.174	10.121
Mean L	-0.005	24.956	9.711	10.031	10.338	10.164	10.108
%RSD	2.277	0.264	0.215	0.158	0.109	0.166	0.218

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	9.755	23.909	23.837	10.075	10.148	10.109	9.837
# 2	9.725	23.872	23.794	10.026	10.100	10.102	9.702
# 3	9.738	24.040	23.835	10.047	10.132	10.146	9.697
Mean	9.739	23.940	23.822	10.049	10.127	10.119	9.745
%RSD	0.154	0.369	0.102	0.246	0.240	0.232	0.814

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	10.088	9.916	10.273
# 2	10.052	9.896	10.246
# 3	10.086	9.914	10.254
Mean	10.075	9.909	10.258
%RSD	0.199	0.111	0.137

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:54:34 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1	10.382 L	-0.002	0.009	0.001	0.001	0.021	0.001
# 2	10.343 L	-0.005	0.009	0.001 L	-0.002	0.026	0.005
# 3	10.283 L	-0.005	0.009	0.001	0.002	0.024	0.006
Mean	10.336 L	-0.004	0.009	0.001	0.000	0.024	0.004
%RSD	0.483	43.301	1.910	4.558	774.294	10.749	66.694

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.000 L	-0.006	0.018	0.002 L	-0.002 L	-0.035	0.425
# 2	0.001 L	-0.008	0.041	0.002 L	-0.006 L	-0.020	0.475
# 3	0.001 L	-0.010	0.031	0.002	0.004 L	-0.011	0.561
Mean	0.001 L	-0.008	0.030	0.002 L	-0.002 L	-0.022	0.487
%RSD	48.038	26.760	37.673	4.703	302.503	54.528	14.232

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.023 L	-0.002	0.001
# 2	0.021 L	-0.003	0.002

	Tl	V	Zn
	ppm	ppm	ppm
# 1	0.023 L	-0.002	0.001
# 2	0.021 L	-0.003	0.002
# 3	0.036	0.000 L	-0.001

EVOLUTION by Micro-Active Australia Pty Ltd 10:05:34 PM October 1, 1996

Mean	0.026 L	-0.001	0.001
%RSD	31.145	118.422	299.457

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 100196,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 9:58:08 PM October 1, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr2 ppm
# 1 L	-0.004 L	-0.005	0.007 L	-0.000	0.002	0.016 L	-0.007
# 2 L	-0.004 L	-0.005	0.007	0.000 L	-0.000	0.022 L	-0.008
# 3 L	-0.005 L	-0.011	0.007 L	-0.000	0.003	0.019 L	-0.005
Mean L	-0.004 L	-0.007	0.007 L	-0.000	0.001	0.019 L	-0.007
%RSD	12.227	49.487	1.119	458.258	115.994	15.229	19.541

	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm	Sb1 ppm
# 1	0.002	0.008	0.014	0.001 L	-0.000 L	-0.001	0.110
# 2	0.002	0.006 L	-0.001	0.002	0.002	0.001	0.140
# 3	0.001	0.003 L	-0.006	0.000	0.001 L	-0.010	0.141
Mean	0.002	0.006	0.002	0.001	0.001 L	-0.003	0.130
%RSD	30.199	48.531	426.468	90.328	137.799	163.794	13.239

	Tl1 ppm	V 1 ppm	Zn1 ppm
# 1	0.002 L	-0.004 L	-0.005
# 2 L	-0.024 L	-0.007 L	-0.003
# 3	0.054 L	-0.010 L	-0.004
Mean	0.011 L	-0.007 L	-0.004
%RSD	377.425	42.086	24.055

ANALYST 10/15/96 Date

REVIEW L Cooper 10-15-96 Date

DATA ENTRY Date

Std. Lot #: AB395-51I 49E ICS Lot #: AB395-53B 530

ICV Lot #: AB395-52E 51I CCV Lot #: AB395-52 FG

LCS & MS/MSD Lot #: 690913

EVOLUTION by Micro-Active Australia Pty Ltd 1:15:56 AM October 15, 1996

INTENSITIES
Identity 1 : STD 01 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 1:06:02 AM October 15, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1
# 1	-0.014	0.056	1.180	0.080	-0.153	1.426	-0.009
# 2	-0.024	0.054	1.176	0.080	-0.128	1.388	-0.004
# 3	-0.007	0.057	1.182	0.082	-0.137	1.442	0.015
Mean	-0.015	0.056	1.179	0.081	-0.139	1.419	0.001
%RSD	56.960	2.744	0.259	1.431	9.088	1.955	1899.342

	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
# 1	0.059	0.057	0.019	0.019	0.060	-0.002	0.009
# 2	0.037	0.054	0.007	0.014	0.027	0.004	-0.048
# 3	0.097	0.059	0.023	0.018	0.053	0.007	-0.014
Mean	0.064	0.057	0.017	0.017	0.047	0.003	-0.017
%RSD	47.182	4.441	50.331	15.563	37.259	152.753	167.047

	Sb1	Tl1	V 1	Zn1
# 1	1.114	0.055	0.008	-0.010
# 2	1.118	0.026	0.002	-0.006
# 3	1.127	0.057	0.008	0.002
Mean	1.120	0.046	0.006	-0.005
%RSD	0.595	37.716	57.735	127.294

INTENSITIES
Identity 1 : STD 02 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 1:09:36 AM October 15, 1996

	Al1	Ba1	Be1	Cd1	Co1	Cr1	Cr2
# 1	20.773	274.100	234.881	215.507	116.266	20.031	197.636
# 2	20.584	271.758	232.674	213.924	115.308	19.870	196.232
# 3	20.330	268.032	229.040	210.668	113.838	19.577	193.245
Mean	20.562	271.297	232.198	213.366	115.137	19.826	195.704
%RSD	1.081	1.128	1.270	1.156	1.062	1.161	1.146

	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1	Sb1
# 1	114.769	210.003	30.958	802.826	60.358	29.639	21.870
# 2	113.841	207.882	30.748	796.209	59.620	29.668	21.726
# 3	112.268	205.258	30.323	784.602	58.786	29.062	21.493
Mean	113.626	207.714	30.676	794.546	59.588	29.456	21.696
%RSD	1.113	1.144	1.055	1.161	1.320	1.161	0.877

	Tl1	V 1	Zn1
# 1	11.546	73.258	178.572
# 2	11.404	72.639	176.706
# 3	11.300	71.555	173.086
Mean	11.417	72.484	176.121
%RSD	1.082	1.189	1.584

INTENSITIES
Identity 1 : STD 03 Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00
Spooler time : 1:11:52 AM October 15, 1996

	Ag1
# 1	137.738
# 2	137.416
# 3	137.455
Mean	137.536
%RSD	0.128

884-A

Mean	137.536
%RSD	0.128

EVOLUTION by Micro-Active Australia Pty Ltd 1:16:02 AM October 15, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LRV1 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:15:40 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.006 H	50.011 H	20.130 H	20.413 H	20.434 H	20.374 H	20.379
# 2	0.006	49.977 H	20.082 H	20.335 H	20.426 H	20.340 H	20.182
# 3	0.004	49.884 H	20.059 H	20.278 H	20.380 H	20.294 H	20.264
Mean	0.005	49.957 H	20.090 H	20.342 H	20.413 H	20.336 H	20.275
%RSD	17.615	0.131	0.179	0.334	0.144	0.197	0.487

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 H	20.372 H	20.106 H	50.724 H	50.105 H	20.284 H	20.415 H	20.258
# 2 H	20.296 H	20.034 H	50.584	49.931 H	20.239 H	20.310 H	20.177
# 3 H	20.271 H	20.007 H	50.539	49.789 H	20.191 H	20.258 H	20.064
Mean H	20.313 H	20.049 H	50.616	49.942 H	20.238 H	20.327 H	20.166
%RSD	0.258	0.256	0.191	0.317	0.230	0.394	0.483

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 H	20.183 H	20.182 H	20.276	20.915 H	20.550
# 2 H	20.041 H	20.342 H	20.213	20.720 H	20.459
# 3 H	20.019 H	20.166 H	20.163	20.801	19.933
Mean H	20.081 H	20.230 H	20.217	20.812 H	20.314
%RSD	0.443	0.481	0.281	0.471	1.640

EVOLUTION by Micro-Active Australia Pty Ltd 1:26:54 AM October 15, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LRV2 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:19:08 AM October 15, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	H	20.153	0.069	0.009	0.006	0.003	0.010 L	-0.007
# 2		19.997	0.069	0.009	0.006 L	-0.000	0.018 L	-0.006
# 3		19.923	0.059	0.009	0.005	0.001	0.010 L	-0.001
Mean	H	20.024	0.066	0.009	0.006	0.001	0.013 L	-0.004
%RSD		0.588	8.553	2.347	1.786	125.904	34.143	74.157

		Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	L	-0.003	0.011	0.020	0.024	0.004 L	-0.009 L	-0.022
# 2		0.002	0.011	0.019	0.021	0.005	0.004	0.029
# 3		0.000	0.010	0.016	0.031	0.004 L	-0.007 L	-0.012
Mean	L	-0.000	0.011	0.018	0.026	0.004 L	-0.004 L	-0.002
%RSD		666.556	4.954	10.738	19.500	7.524	190.884	1495.073

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.072 L	-0.099	0.035	0.574	0.034
# 2	0.082 L	-0.104 L	-0.028	0.575	0.033
# 3	0.098 L	-0.079	0.023	0.580	0.034
Mean	0.084 L	-0.094	0.010	0.576	0.033
%RSD	15.777	13.818	327.833	0.558	1.676

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:22:32 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	10.035	25.666	10.100	10.221	10.403	10.382	10.154
# 2	9.954	25.502	10.027	10.150	10.325	10.352	10.090
# 3	10.050	25.787	10.157	10.287	10.455	10.440	10.175
Mean	10.013	25.652	10.094	10.219	10.395	10.391	10.140
%RSD	0.517	0.558	0.644	0.670	0.629	0.431	0.435

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.172	9.749	24.670	24.831	10.270	10.458	10.316
# 2	10.095	9.692	24.569	24.686	10.201	10.348	10.226
# 3	10.207	9.796	24.714	24.940	10.301	10.468	10.288
Mean	10.158	9.746	24.651	24.819	10.257	10.425	10.277
%RSD	0.564	0.532	0.300	0.514	0.495	0.637	0.449

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	10.007	10.253	10.401	10.711	10.481
# 2	9.962	10.223	10.325	10.648	10.393
# 3	10.116	10.337	10.448	10.732	10.410
Mean	10.028	10.271	10.391	10.697	10.428
%RSD	0.791	0.577	0.594	0.409	0.449

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICVB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:26:02 AM October 15, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1

Spooler time : 1:26:02 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 1:26:56 AM October 15, 1996							
# 1	0.172	25.585	0.003	0.001	0.008	0.011 L	-0.008
# 2	0.171	25.670	0.003	0.001	0.009	0.009 L	-0.015
# 3	0.173	25.663	0.002	0.001	0.013	0.009 L	-0.019
Mean	0.172	25.640	0.003	0.001	0.010	0.009 L	-0.014
%RSD	0.387	0.184	8.610	9.547	23.521	11.906	40.302

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.005 L	-0.017	24.574	24.911	0.001 L	-0.007	0.013
# 2 L	-0.008 L	-0.016	24.601	24.963 L	-0.000 L	-0.001	0.002
# 3 L	-0.008 L	-0.014	24.590	25.007	0.000 L	-0.006 L	-0.015
Mean L	-0.007 L	-0.016	24.588	24.960	0.000 L	-0.005 L	-0.000
%RSD	23.862	8.042	0.055	0.193	486.921	60.342	7810.796

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.042 L	-0.081	0.091	0.602	0.052
# 2	0.073 L	-0.056	0.096	0.595	0.022
# 3	0.072 L	-0.090	0.031	0.591	0.010
Mean	0.062 L	-0.075	0.073	0.596	0.028
%RSD	28.278	22.952	49.580	0.934	77.850

EVOLUTION by Micro-Active Australia Pty Ltd 1:36:54 AM October 15, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:29:28 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.001 L	-0.050	0.001 L	-0.000 L	-0.003	0.005 L	-0.014
# 2	0.002 L	-0.026	0.002 L	-0.000 L	-0.002	0.003 L	-0.024
# 3	0.003 L	-0.024	0.002	0.000 L	-0.002	0.003 L	-0.018
Mean	0.001 L	-0.033	0.002 L	-0.000 L	-0.002	0.004 L	-0.018
%RSD	132.288	44.508	28.823	158.745	14.944	36.856	27.457

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.009 L	-0.009	0.000 L	-0.020 L	-0.001 L	-0.012 L	-0.032
# 2 L	-0.002 L	-0.007 L	-0.002	0.000	0.000 L	-0.006	0.006
# 3 L	-0.002 L	-0.006	0.006 L	-0.005	0.000 L	-0.008 L	-0.025
Mean L	-0.004 L	-0.007	0.001 L	-0.008 L	-0.000 L	-0.009 L	-0.017
%RSD	103.064	24.000	366.456	124.900	3269.174	32.329	118.682

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.025 L	-0.074	0.016	0.604	0.012
# 2	0.025 L	-0.077	0.018	0.594	0.007
# 3	0.022 L	-0.060	0.020	0.600	0.007
Mean	0.024 L	-0.070	0.018	0.599	0.009
%RSD	7.156	13.229	11.607	0.840	33.282

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CRI Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:32:56 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.021 L	-0.014	0.002	0.010	0.015	0.109	0.013
# 2	0.021 L	-0.019	0.001	0.010	0.014	0.105	0.025
# 3	0.022 L	-0.007	0.001	0.010	0.012	0.111	0.025
Mean	0.021 L	-0.013	0.001	0.010	0.014	0.109	0.021
%RSD	4.651	47.187	27.495	1.842	13.428	2.743	30.730

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.017	0.046 L	-0.007	0.005	0.030	0.075 L	-0.013
# 2	0.013	0.045	0.002	0.003	0.030	0.079 L	-0.010
# 3	0.016	0.049 L	-0.003	0.008	0.031	0.076 L	-0.002
Mean	0.015	0.047 L	-0.003	0.005	0.030	0.076 L	-0.009
%RSD	13.878	4.247	174.748	45.826	1.076	2.994	65.737

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.111 L	-0.025	0.103	0.627	0.085
# 2	0.103 L	-0.016	0.100	0.638	0.088
# 3	0.112 L	-0.023	0.101	0.638	0.074
Mean	0.109 L	-0.021	0.101	0.634	0.082
%RSD	4.397	22.048	1.910	1.001	9.233

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:36:24 AM October 15, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1

Weight : [illegible] Volume : [illegible]

Spooler time : 1:36:24 AM October 15, 1996

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1
ppm	ppm	ppm	ppm	ppm	ppm	ppm

							-0.024
Mean	0.012 L	-0.014 L	-0.003	0.084 L	-0.002 L	-0.021 L	-0.034
%RSD	44.291	20.044	248.261	22.433	11.066	3.322	50.807

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.029 L	-0.012	0.034	0.649	0.000
# 2	0.048 L	-0.035	0.023	0.659	0.001
# 3	0.048	0.002	0.023	0.654	0.002
Mean	0.042 L	-0.015	0.026	0.654	0.001
%RSD	26.866	122.091	24.744	0.765	83.826

Skipped tube 2

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSAB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:39:50 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.001 L	-0.094	0.020 L	-0.003 L	-0.015	0.016	0.002
# 2	0.004 L	-0.075	0.021 L	-0.002 L	-0.006	0.021	0.022
# 3	0.001 L	-0.102	0.020 L	-0.003 L	-0.008	0.014	0.007
Mean	0.002 L	-0.090	0.020 L	-0.003 L	-0.009	0.017	0.010
%RSD	83.297	15.368	1.518	9.750	48.422	19.521	95.327

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.016 L	-0.002 L	-0.014	0.034 L	-0.001 L	-0.005 L	-0.028
# 2	0.017 L	-0.002 L	-0.007	0.049 L	-0.000 L	-0.003 L	-0.011
# 3	0.019 L	-0.005 L	-0.012	0.047 L	-0.001 L	-0.006 L	-0.026
Mean	0.017 L	-0.003 L	-0.011	0.043 L	-0.001 L	-0.005 L	-0.021
%RSD	10.477	54.656	34.237	18.498	44.651	28.564	43.335

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.033 L	-0.111 L	-0.004	0.631	0.009
# 2	0.031 L	-0.044	0.003	0.650	0.004
# 3	0.030 L	-0.055 L	-0.004	0.636	0.000
Mean	0.031 L	-0.070 L	-0.002	0.639	0.004
%RSD	4.799	51.489	230.940	1.541	99.479

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:43:20 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.001 L	-0.043	0.020 L	-0.003 L	-0.011	0.016 L	-0.005
# 2 L	-0.003 L	-0.048	0.020 L	-0.003 L	-0.008	0.011	0.007
# 3 L	-0.003 L	-0.060	0.021 L	-0.004 L	-0.010	0.015 L	-0.001
Mean L	-0.002 L	-0.050	0.020 L	-0.003 L	-0.010	0.014	0.001
%RSD	36.635	17.446	2.719	9.161	14.147	16.314	920.030

Skipped tube

EVOLUTION by Micro-Active Australia Pty Ltd 1:52:56 AM October 15, 1996

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.011	0.005 L	-0.011	0.039 L	-0.002 L	-0.010 L	-0.012
# 2	0.018	0.003 L	-0.008	0.060 L	-0.002 L	-0.005 L	-0.014
# 3	0.019	0.002 L	-0.005	0.068 L	-0.001 L	-0.010 L	-0.001
Mean	0.016	0.003 L	-0.008	0.056 L	-0.002 L	-0.008 L	-0.009
%RSD	27.215	33.083	38.544	27.063	24.685	36.077	81.919

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.014 L	-0.042	0.013	0.632	0.001
# 2	0.042 L	-0.035	0.015	0.644 L	-0.000
# 3	0.046 L	-0.049	0.010	0.636 L	-0.005
Mean	0.034 L	-0.042	0.013	0.637 L	-0.001
%RSD	51.374	16.663	21.268	0.959	212.117

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:46:50 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.002 L	-0.085	0.021 L	-0.003 L	-0.011	0.021 L	-0.002
# 2 L	-0.002 L	-0.085	0.021 L	-0.003 L	-0.009	0.016	0.003
# 3 L	-0.003 L	-0.087	0.022 L	-0.003 L	-0.005	0.013	0.011
Mean L	-0.003 L	-0.085	0.021 L	-0.003 L	-0.009	0.017	0.004
%RSD	22.833	1.650	1.899	2.655	34.160	23.712	151.357

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.007 L	-0.003 L	-0.016	0.011 L	-0.003 L	-0.012 L	-0.038
# 2	0.008 L	-0.003 L	-0.009	0.034 L	-0.002 L	-0.001 L	-0.013
# 3	0.015 L	-0.004	0.002	0.046 L	-0.002	0.003 L	-0.010
Mean	0.010 L	-0.003 L	-0.008	0.030 L	-0.002 L	-0.003 L	-0.020
%RSD	40.042	21.271	120.256	57.282	14.943	232.956	73.434

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.027 L	-0.077	0.001	0.616 L	-0.001
# 2	0.039 L	-0.051	0.009	0.621 L	-0.000
# 3	0.040 L	-0.072	0.008	0.629 L	-0.003
Mean	0.035 L	-0.067	0.006	0.622 L	-0.001
%RSD	21.424	20.882	68.331	1.054	98.353

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:52:40 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.001 H	504.063	0.008 L	-0.000	0.069	0.046 L	-0.002
# 2 L	-0.001 H	506.772	0.008 L	-0.001	0.066	0.045 L	-0.013
# 3	0.001 H	498.925	0.008 L	-0.000	0.063	0.042	0.000
Mean	0.000 H	503.253	0.008 L	-0.000	0.066	0.044 L	-0.005
%RSD	824.517	0.792	3.939	28.641	4.888	4.022	140.003

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.009 L	-0.002 H	182.439 H	486.341	0.017 L	-0.011 L	-0.043
# 2	-0.014 L	-0.004 H	182.456 H	489.958	0.016 L	-0.012 L	-0.041

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EVOLUTION by Micro-Active Australia Pty Ltd 1:52:56 AM October 15, 1996

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.011	0.005 L	-0.011	0.039 L	-0.002 L	-0.010 L	-0.012
# 2	0.018	0.003 L	-0.008	0.060 L	-0.002 L	-0.005 L	-0.014
# 3	0.019	0.002 L	-0.005	0.068 L	-0.001 L	-0.010 L	-0.001
Mean	0.016	0.003 L	-0.008	0.056 L	-0.002 L	-0.008 L	-0.009
%RSD	27.215	33.083	38.544	27.063	24.685	36.077	81.919

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.014 L	-0.042	0.013	0.632	0.001
# 2	0.042 L	-0.035	0.015	0.644 L	-0.000
# 3	0.046 L	-0.049	0.010	0.636 L	-0.005
Mean	0.034 L	-0.042	0.013	0.637 L	-0.001
%RSD	51.374	16.663	21.268	0.959	212.117

aq 10/15/96

Skipped tube

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:46:50 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.002 L	-0.085	0.021 L	-0.003 L	-0.011	0.021 L	-0.002
# 2 L	-0.002 L	-0.085	0.021 L	-0.003 L	-0.009	0.016	0.003
# 3 L	-0.003 L	-0.087	0.022 L	-0.003 L	-0.005	0.013	0.011
Mean L	-0.003 L	-0.085	0.021 L	-0.003 L	-0.009	0.017	0.004
%RSD	22.833	1.650	1.899	2.655	34.160	23.712	151.357

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.007 L	-0.003 L	-0.016	0.011 L	-0.003 L	-0.012 L	-0.038
# 2	0.008 L	-0.003 L	-0.009	0.034 L	-0.002 L	-0.001 L	-0.013
# 3	0.015 L	-0.004	0.002	0.046 L	-0.002	0.003 L	-0.010
Mean	0.010 L	-0.003 L	-0.008	0.030 L	-0.002 L	-0.003 L	-0.020
%RSD	40.042	21.271	120.256	57.282	14.943	232.956	73.434

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.027 L	-0.077	0.001	0.616 L	-0.001
# 2	0.039 L	-0.051	0.009	0.621 L	-0.000
# 3	0.040 L	-0.072	0.008	0.629 L	-0.003
Mean	0.035 L	-0.067	0.006	0.622 L	-0.001
%RSD	21.424	20.882	68.331	1.054	98.353

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 1:52:40 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.001 H	504.063	0.008 L	-0.000	0.069	0.046 L	-0.002
# 2 L	-0.001 H	506.772	0.008 L	-0.001	0.066	0.045 L	-0.013
# 3	0.001 H	498.925	0.008 L	-0.000	0.063	0.042	0.000
Mean	0.000 H	503.253	0.008 L	-0.000	0.066	0.044 L	-0.005
%RSD	824.517	0.792	3.939	28.641	4.888	4.022	140.003

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.009 L	-0.002 H	182.439 H	486.341	0.017 L	-0.011 L	-0.043
# 2 L	-0.014 L	-0.004 H	182.456 H	489.958	0.016 L	-0.012 L	-0.041
# 3 L	-0.010 L	-0.002 H	179.338 H	481.243	0.016 L	-0.014 L	-0.013
Mean L	-0.011 L	-0.003 H	181.411 H	485.848	0.016 L	-0.012 L	-0.032

# 1	L	-0.009	L	-0.002	H	182.439	H	486.341	0.017 L	-0.011 L	-0.043
# 2	L	-0.014	L	-0.004	H	182.456	H	489.958	0.016 L	-0.012 L	-0.041
# 3	L	-0.010	L	-0.002	H	179.338	H	481.243	0.016 L	-0.014 L	-0.013
Mean	L	-0.011	L	-0.003	H	181.411	H	485.848	0.016 L	-0.012 L	-0.032

EVOLUTION by Micro-Active Australia Pty Ltd 7:42:08 AM October 15, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : 14921,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:40:58 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.006 H	497.306	0.009 L	-0.000	0.076	0.035 L	-0.036
# 2	0.006 H	495.495	0.009 L	-0.000	0.072	0.039 L	-0.051
# 3	0.006 H	491.216	0.009 L	-0.000	0.069	0.038 L	-0.035
Mean	0.006 H	494.672	0.009 L	-0.000	0.072	0.037 L	-0.041
%RSD	4.509	0.632	2.694	17.321	4.728	6.521	22.303

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.011 L	-0.005 H	178.394 H	479.360	0.016 L	-0.009 L	-0.059
# 2 L	-0.009 L	-0.004 H	177.625 H	477.625	0.016 L	-0.007 L	-0.057
# 3 L	-0.006 L	-0.003 H	175.727 H	473.366	0.016 L	-0.009 L	-0.051
Mean L	-0.008 L	-0.004 H	177.249 H	476.784	0.016 L	-0.008 L	-0.056
%RSD	31.515	15.907	0.774	0.647	1.774	10.456	8.195

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-0.181 L	-0.190 L	-0.004	0.726	0.035
# 2 L	-0.171 L	-0.144 L	-0.001	0.711	0.029
# 3 L	-0.151 L	-0.160 L	-0.001	0.727	0.037
Mean L	-0.168 L	-0.165 L	-0.002	0.721	0.034
%RSD	9.153	14.222	91.161	1.243	11.786

EVOLUTION by Micro-Active Australia Pty Ltd 7:52:06 AM October 15, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSAB Identity 2 : 14921,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:44:34 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.934 H	485.703	0.490	0.464	0.984	0.519	0.451
# 2	0.927 H	484.206	0.488	0.461	0.979	0.506	0.459
# 3	0.936 H	490.709	0.495	0.470	1.004	0.511	0.448
Mean	0.932 H	486.872	0.491	0.465	0.989	0.512	0.453
%RSD	0.494	0.699	0.706	0.905	1.346	1.305	1.209

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.465	0.493 H	173.166 H	468.052	0.482	0.920	0.874
# 2	0.457	0.487 H	172.213 H	466.329	0.479	0.914	0.827
# 3	0.466	0.491 H	174.213 H	472.995	0.490	0.922	0.901
Mean	0.462	0.490 H	173.197 H	469.125	0.484	0.919	0.867
%RSD	1.073	0.631	0.578	0.738	1.130	0.439	4.353

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-0.126 L	-0.145	0.461	1.182	1.065
# 2 L	-0.149 L	-0.107	0.453	1.190	1.045
# 3 L	-0.136 L	-0.158	0.456	1.180	1.050
Mean L	-0.137 L	-0.137	0.457	1.184	1.053
%RSD	8.118	19.331	0.792	0.447	0.988

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 14921,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:48:00 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.011	25.975	9.897	9.991	10.140	10.112	9.996
# 2 L	-0.015	25.934	9.899	9.995	10.119	10.090	9.967
# 3 L	-0.018	25.841	9.862	9.964	10.121	10.114	9.907
Mean L	-0.015	25.917	9.886	9.983	10.127	10.105	9.957
%RSD	26.291	0.265	0.210	0.167	0.118	0.134	0.460

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.005	10.103	24.219	25.173	10.129	10.172	10.187
# 2	10.014	10.102	24.222	25.180	10.115	10.192	10.110
# 3	9.972	10.060	24.140	25.089	10.081	10.145	9.977
Mean	9.997	10.088	24.194	25.147	10.108	10.169	10.092
%RSD	0.220	0.244	0.193	0.203	0.242	0.233	1.051

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	9.791	10.100	10.065	10.482	10.102
# 2	9.786	10.105	10.068	10.453	10.085
# 3	9.779	10.059	10.032	10.393	9.927
Mean	9.785	10.088	10.055	10.443	10.038
%RSD	0.064	0.248	0.199	0.435	0.963

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 14921,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:51:34 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

Identity 1	STD 01	Identity 2										
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
[illegible]b1	Tl1	V 1	Zn1	Y								

Identity 1	STD 02	Identity 2										
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
Sb1	Tl1	V 1	Zn1	Y								

Identity 1	STD 03	Identity 2										
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
Sb1	Tl1	V 1	Zn1	Y								

Identity 1	LRV1	Identity 2										
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.005	49.957	20.090	20.342	20.413	20.336	20.313	20.049	50.616	49.942	20.238	20.327	20.166
Sb1	Tl1	V 1	Zn1	Y								
20.081	20.230	20.217	20.314	20.812								

Identity 1	LRV2	Identity 2										
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
20.024	0.066	0.009	0.006	0.001	0.013	< 0.000	0.011	0.018	0.026	0.004	< 0.000	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.084	< 0.000	0.010	0.033	0.576								

Identity 1	ICVA	Identity 2										
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
10.013	25.652	10.094	10.219	10.395	10.391	10.158	9.746	24.651	24.819	10.257	10.425	10.277
Sb1	Tl1	V 1	Zn1	Y								
10.028	10.271	10.391	10.428	10.697								

Identity 1	ICVB	Identity 2										
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.172	25.640	0.003	0.001	0.010	0.009	< 0.000	< 0.000	24.588	24.960	0.000	< 0.000	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.062	< 0.000	0.073	0.028	0.596								

Identity 1	ICB	Identity 2										
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.001	< 0.000	0.002	< 0.000	< 0.000	0.004	< 0.000	< 0.000	0.001	< 0.000	0.000	< 0.000	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.024	< 0.000	0.018	0.009	0.599								

Identity 1	CRI	Identity 2										
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.021	< 0.000	0.001	0.010	0.014	0.109	0.015	0.047	< 0.000	0.005	0.030	0.076	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.109	< 0.000	0.101	0.082	0.634								

Identity 1	ICSA	Identity 2										
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.008	< 0.000	0.020	< 0.000	< 0.000	0.017	0.012	< 0.000	< 0.000	0.084	< 0.000	< 0.000	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.042	< 0.000	0.026	0.001	0.654								

Identity 1	ICSAB	Identity 2										
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.002	< 0.000	0.020	< 0.000	< 0.000	0.017	0.017	< 0.000	< 0.000	0.043	< 0.000	< 0.000	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.031	< 0.000	< 0.000	0.004	0.639								

Identity 1	CCVA	Identity 2										
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	< 0.000	0.020	< 0.000	< 0.000	0.014	0.016	0.003	< 0.000	0.056	< 0.000	< 0.000	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.034	< 0.000	0.013	< 0.000	0.637								

Shipped tube 4/10/15/96

Identity 1 CCVB Identity 2

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	< 0.000	0.021	< 0.000	< 0.000	0.017	0.010	< 0.000	0.000	0.030	< 0.000	< 0.000	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.035	< 0.000	0.006	< 0.000	0.622								

Identity 1 ICSA Identity 2

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.000	503.25	0.008	< 0.000	0.086	0.044	< 0.000	< 0.000	181.41	485.85	0.016	< 0.000	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
< 0.000	< 0.000	0.021	0.032	0.765								

Identity 1 ICSAB Identity 2

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.859	483.99	0.490	0.471	0.991	0.515	0.459	0.466	173.98	466.70	0.484	0.909	0.896
Sb1	Tl1	V 1	Zn1	Y								
< 0.000	< 0.000	0.548	1.178	1.216								

Identity 1 CCVA Identity 2

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.009	25.605	9.837	9.850	10.011	10.003	9.885	9.987	24.088	25.074	10.004	10.038	9.993
Sb1	Tl1	V 1	Zn1	Y								
9.807	10.009	9.971	10.132	10.463								

Identity 1 CCVB Identity 2

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.463	0.006	0.003	0.002	0.001	0.003	< 0.000	< 0.000	0.009	0.018	< 0.000	< 0.000	0.005
Sb1	Tl1	V 1	Zn1	Y								
0.052	< 0.000	0.002	0.016	0.617								

Identity 1 CCB Identity 2

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.051	< 0.000	0.002	0.000	0.001	< 0.000	< 0.000	< 0.000	< 0.000	0.019	< 0.000	< 0.000	0.017
Sb1	Tl1	V 1	Zn1	Y								
0.011	< 0.000	0.003	0.008	0.600								

Identity 1 PBW:14908 ntity 2 14908,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	0.045	0.000	< 0.000	< 0.000	< 0.000	< 0.000	0.006	0.045	< 0.000	0.000	0.002	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
< 0.000	< 0.000	< 0.000	0.013	0.300								

Identity 1 LCSW:14908ntity 2 14908,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.091	1.176	9.912	0.988	0.989	1.009	0.988	1.023	0.969	0.869	1.003	0.998	0.976
Sb1	Tl1	V 1	Zn1	Y								
9.661	0.934	0.979	1.029	1.289								

Identity 1 11394-4 Identity 2 14908,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.031	0.145	0.028	< 0.000	0.001	0.001	< 0.000	0.192	0.611	4.279	0.008	0.109	0.048
Sb1	Tl1	V 1	Zn1	Y								
0.003	< 0.000	< 0.000	0.104	0.280								

Identity 1 11394-4D dentity 2 14908,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.018	0.131	0.028	< 0.000	0.000	0.001	0.000	0.192	0.606	4.265	0.009	0.218	0.052
Sb1	Tl1	V 1	Zn1	Y								
0.008	< 0.000	0.001	0.115	0.278								

Identity 1 11394-4MS entity 2 14908,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.114	1.047	9.320	0.946	0.927	0.948	0.927	1.133	1.484	5.050	0.943	0.998	0.968
Sb1	Tl1	V 1	Zn1	Y								
9.181	0.836	0.958	1.074	1.225								

Identity 1 11394-4MD entity 2 14908,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.122	1.053	9.307	0.937	0.912	0.937	0.923	1.148	1.472	5.034	0.936	1.164	0.955
Sb1	Tl1	V 1	Zn1	Y								
9.160	0.850	0.943	1.080	1.229								

Identity 1	11394-3	Identity 2	14908,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
[illegible]02	1.242	0.053	0.001	< 0.000	0.008	0.000	0.036	0.848	4.538	0.027	0.034	0.012
[illegible]b1	Tl1	V 1	Zn1	Y								
0.008	< 0.000	0.006	0.105	0.311								

D.092

Identity 1	11394-1	Identity 2	14908,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.003	6.994	1.247	0.000	0.043	0.025	0.164	0.845	28.056	16.437	0.556	0.277	0.586
Sb1	Tl1	V 1	Zn1	Y								
0.050	< 0.000	0.019	2.962	0.484								

2.945

Identity 1	11327-1	Identity 2	14908,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.003	9.449	0.200	0.000	0.003	0.003	0.006	0.118	1.418	9.326	0.081	0.022	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.014	< 0.000	0.005	0.583	0.321								

0.580

Identity 1	11327-2	Identity 2	14908,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	0.378	0.113	< 0.000	0.015	0.055	0.074	0.476	25.907	22.000	4.364	1.693	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.094	< 0.000	< 0.000	18.145	0.407								

18.132

Identity 1	CCVA	Identity 2	14908,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	25.841	9.875	9.911	10.092	10.076	9.949	10.065	24.278	25.167	10.066	10.125	10.082
Sb1	Tl1	V 1	Zn1	Y								
9.823	9.968	10.009	10.057	10.509								

Identity 1	CCVB	Identity 2	14908,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
9.398	0.113	0.007	0.002	0.006	0.009	< 0.000	0.018	0.027	0.021	0.003	0.008	0.009
Sb1	Tl1	V 1	Zn1	Y								
0.073	< 0.000	0.003	0.030	0.589								

Identity 1	CCB	Identity 2	14908,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.013	0.037	0.005	< 0.000	0.000	0.007	< 0.000	0.005	< 0.000	< 0.000	0.001	0.010	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.038	< 0.000	0.006	0.004	0.586								

Identity 1	11327-3	Identity 2	14908,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.007	0.034	0.111	< 0.000	0.001	0.002	0.002	0.011	0.612	6.456	0.031	0.026	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.011	< 0.000	0.002	0.124	0.297								

0.111

Identity 1	PBW:14906	ntity 2	14906,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.007	< 0.000	0.002	0.001	< 0.000	0.001	< 0.000	< 0.000	0.073	0.023	0.002	< 0.000	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
< 0.000	< 0.000	0.004	0.158	0.300								

Identity 1	LCSW:14906	ntity 2	14906,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.101	1.070	9.764	0.983	0.966	0.996	0.973	1.003	0.940	0.881	0.987	0.972	0.961
Sb1	Tl1	V 1	Zn1	Y								
9.608	0.918	0.984	1.049	1.281								

Identity 1	RWMS	dentity 2	14906,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.098	1.067	9.627	0.964	0.951	0.979	0.962	0.991	0.930	0.873	0.970	0.957	0.949
Sb1	Tl1	V 1	Zn1	Y								
9.515	0.877	0.969	0.990	1.258								

[illegible]dentity 1	RWMD	dentity 2	14906,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.097	1.105	9.722	0.968	0.957	0.983	0.966	1.000	1.399	0.884	0.981	0.967	0.957
Sb1	Tl1	V 1	Zn1	Y								
9.309	0.898	0.972	0.998	1.272								

Identity 1 11371-16 dentity 2 14906,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	0.213	0.619	< 0.000	0.002	0.008	< 0.000	0.009	0.191	79.846	1.020	0.012	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.005	< 0.000	< 0.000	0.010	0.327								

Identity 1 11371-16D lentity 2 14906,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	0.250	0.614	< 0.000	< 0.000	0.007	< 0.000	0.012	0.199	78.827	1.014	0.017	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.008	< 0.000	0.007	0.013	0.319								

Identity 1 11371-22 dentity 2 14906,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	0.041	0.061	< 0.000	0.001	0.001	< 0.000	0.007	0.022	22.101	0.000	0.001	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
< 0.000	< 0.000	0.001	0.010	0.292								

Identity 1 11371-23 dentity 2 14906,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	0.018	0.069	< 0.000	< 0.000	0.002	< 0.000	0.003	0.028	8.338	0.000	< 0.000	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
< 0.000	< 0.000	0.002	0.024	0.297								

Identity 1 11371-24 dentity 2 14906,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	0.011	0.108	< 0.000	0.001	0.002	< 0.000	0.001	0.017	5.240	0.000	< 0.000	0.001
Sb1	Tl1	V 1	Zn1	Y								
0.003	< 0.000	< 0.000	0.011	0.293								

Identity 1 CCVA Identity 2 14906,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.021	25.415	9.850	10.026	10.247	10.178	10.037	9.997	24.362	24.973	10.113	10.187	10.113
Sb1	Tl1	V 1	Zn1	Y								
9.909	10.225	10.075	10.294	10.589								

Identity 1 CCVB Identity 2 14906,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
9.716	< 0.000	0.004	0.003	0.004	0.000	0.001	< 0.000	0.003	0.005	0.000	< 0.000	0.000
Sb1	Tl1	V 1	Zn1	Y								
0.072	< 0.000	0.008	0.011	0.599								

Identity 1 CCB Identity 2 14906,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.019	< 0.000	0.002	0.001	0.000	0.002	< 0.000	< 0.000	0.012	0.007	0.001	< 0.000	0.018
Sb1	Tl1	V 1	Zn1	Y								
0.010	< 0.000	< 0.000	0.030	0.609								

Identity 1 11371-25 dentity 2 14906,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.005	0.005	0.064	< 0.000	< 0.000	0.003	< 0.000	0.002	0.039	13.667	0.003	0.001	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.002	< 0.000	0.007	0.010	0.315								

Identity 1 PBW:14921 ntity 2 14906,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	0.036	0.001	< 0.000	< 0.000	< 0.000	< 0.000	0.003	0.014	0.026	< 0.000	0.001	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
< 0.000	< 0.000	< 0.000	0.007	0.301								

Identity 1 LCSW:14921ntity 2 14921,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.086	1.040	8.976	0.910	0.899	0.919	0.903	0.929	0.876	0.960	0.911	0.901	0.901
Sb1	Tl1	V 1	Zn1	Y								
< 0.000	0.839	0.903	0.935	1.194								

Identity 1 11503-2 Identity 2 14921,GGD

Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	0.249	0.050	< 0.000	0.002	0.013	0.036	0.067	0.075	4.646	0.676	0.010	0.007
Sb1	Tl1	V 1	Zn1	Y								
0.027	< 0.000	< 0.000	0.037	0.338								

Identity 1	11503-2D	dentity 2	14921,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
001	0.217	0.051	< 0.000	0.002	0.009	0.037	0.087	0.062	4.664	0.680	0.010	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.032	< 0.000	0.006	0.010	0.339								

Identity 1	11503-2MS	entity 2	14921,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.085	1.131	4.127	0.890	0.858	0.879	0.892	0.941	0.875	5.525	1.541	0.858	0.774
Sb1	Tl1	V 1	Zn1	Y								
0.048	0.753	0.888	0.912	1.190								

Identity 1	11503-2MD	entity 2	14921,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.088	1.036	3.766	0.883	0.838	0.867	0.879	0.919	0.860	5.505	1.518	0.839	0.789
Sb1	Tl1	V 1	Zn1	Y								
0.044	0.763	0.880	0.913	1.205								

Identity 1	11503-1	Identity 2	14921,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	0.667	0.502	< 0.000	O/F	0.067	0.014	0.262	16.069	8.625	0.459	0.129	0.023
Sb1	Tl1	V 1	Zn1	Y								
0.073	0.028	< 0.000	0.155	0.352								

Identity 1	ICSA	Identity 2	14921,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.004	496.26	0.009	< 0.000	0.087	0.043	< 0.000	< 0.000	176.55	477.97	0.016	< 0.000	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
< 0.000	< 0.000	< 0.000	0.020	0.749								

Identity 1	ICSAB	Identity 2	14921,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.946	486.86	0.490	0.471	0.989	0.515	0.463	0.483	174.02	469.03	0.483	0.927	0.920
Sb1	Tl1	V 1	Zn1	Y								
< 0.000	< 0.000	0.490	1.078	1.212								

Identity 1	CCVA	Identity 2	14921,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.004	25.744	9.885	9.975	10.091	10.093	9.993	10.078	24.284	25.213	10.086	10.135	10.102
Sb1	Tl1	V 1	Zn1	Y								
9.896	9.990	10.051	10.097	10.523								

Identity 1	CCVB	Identity 2	14921,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
9.843	0.117	0.004	< 0.000	0.001	0.005	< 0.000	0.017	0.011	0.003	0.001	0.009	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
0.069	< 0.000	< 0.000	0.012	0.573								

Identity 1	CCB	Identity 2	14921,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	0.128	0.004	< 0.000	0.003	0.004	< 0.000	0.013	0.003	< 0.000	0.000	0.005	0.017
Sb1	Tl1	V 1	Zn1	Y								
0.003	< 0.000	0.000	0.007	0.559								

Identity 1	ICSA	Identity 2	14921,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.006	494.67	0.009	< 0.000	0.072	0.037	< 0.000	< 0.000	177.25	476.78	0.016	< 0.000	< 0.000
Sb1	Tl1	V 1	Zn1	Y								
< 0.000	< 0.000	< 0.000	0.034	0.721								

Identity 1	ICSAB	Identity 2	14921,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.932	486.87	0.491	0.465	0.989	0.512	0.462	0.490	173.20	469.13	0.484	0.919	0.867
Sb1	Tl1	V 1	Zn1	Y								
< 0.000	< 0.000	0.457	1.053	1.184								

Identity 1	CCVA	Identity 2	14921,GGD								
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
< 0.000	25.917	9.886	9.983	10.127	10.105	9.997	10.088	24.194	25.147	10.108	10.169	10.092
Sb1	Tl1	V 1	Zn1	Y								
9.785	10.088	10.055	10.038	10.443								

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Identity 1	CCVB	Identity 2	14921,GGD									
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
9.954	0.205	0.009	< 0.000	0.002	0.001	< 0.000	0.017	0.003	< 0.000	0.000	0.002	0.010
Sb1	Ti1	V 1	Zn1	Y								
0.022	< 0.000	0.005	0.010	0.487								

Identity 1	CCB	Identity 2	14921,GGD									
Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
0.002	0.166	0.009	0.001	< 0.000	0.000	< 0.000	0.021	0.002	0.001	0.000	< 0.000	0.026
Sb1	Ti1	V 1	Zn1	Y								
< 0.000	< 0.000	0.033	< 0.000	0.498								

EVOLUTION by Micro-Active Australia Pty Ltd 8:03:08 AM October 15, 1996

# 1	9.954	0.225	0.009 L	-0.002	0.001	0.004 L	-0.001
# 2	9.900	0.206	0.009 L	-0.003	0.003 L	-0.000 L	-0.003
# 3	10.018	0.184	0.008 L	-0.003	0.001 L	-0.001	0.000
Mean	9.954	0.205	0.009 L	-0.003	0.002	0.001 L	-0.001
%RSD	0.647	10.125	4.654	17.766	63.002	283.078	152.831

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.004	0.017	0.004 L	-0.013	0.001	0.008 L	-0.004
# 2 L	-0.002	0.018	0.002 L	-0.008	0.001 L	-0.003	0.036
# 3 L	-0.005	0.016	0.003 L	-0.010 L	-0.000	0.002 L	-0.002
Mean L	-0.004	0.017	0.003 L	-0.010	0.000	0.002	0.010
%RSD	29.126	6.104	47.292	24.119	151.161	228.548	224.795

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.017 L	-0.058	0.008	0.487	0.015
# 2	0.031 L	-0.051	0.007	0.485	0.007
# 3	0.018 L	-0.028 L	-0.001	0.488	0.008
Mean	0.022 L	-0.046	0.005	0.487	0.010
%RSD	37.509	34.187	101.379	0.314	41.222

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 14921,GGD Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 7:54:58 AM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.003	0.167	0.009	0.001	0.000	0.002 L	-0.024
# 2	0.003	0.169	0.009	0.001 L	-0.001 L	-0.002 L	-0.024
# 3	0.001	0.162	0.009	0.001 L	-0.002 L	-0.001 L	-0.016
Mean	0.002	0.166	0.009	0.001 L	-0.001	0.000 L	-0.021
%RSD	57.970	2.246	1.657	11.547	111.027762159967062.000		21.994

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.001	0.016	0.002	0.005	0.000 L	-0.005	0.030
# 2 L	-0.003	0.022	0.000 L	-0.007 L	-0.000 L	-0.004	0.026
# 3 L	-0.001	0.026	0.005	0.005	0.000 L	-0.002	0.022
Mean L	-0.001	0.021	0.002	0.001	0.000 L	-0.004	0.026
%RSD	154.711	25.690	109.313	606.218	170.098	44.410	14.368

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-0.034 L	-0.035	0.025	0.495 L	-0.017
# 2 L	-0.049 L	-0.067	0.032	0.495 L	-0.002
# 3 L	-0.040 L	-0.026	0.043	0.503	0.017
Mean L	-0.041 L	-0.043	0.033	0.498 L	-0.001
%RSD	19.138	49.709	27.463	0.928	2501.077

EVOLUTION by Micro-Active Australia Pty Ltd 2:35:24 PM October 15, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:28:06 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.005 H	491.857	0.007 L	-0.000	0.061	0.043 L	-0.032
# 2	0.004 H	491.274	0.007 L	-0.000	0.065	0.042 L	-0.023
# 3	0.003 H	490.440	0.007 L	-0.000	0.058	0.043 L	-0.034
Mean	0.004 H	491.191	0.007 L	-0.000	0.061	0.043 L	-0.029
%RSD	22.184	0.145	1.014	64.952	5.709	1.259	20.039

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.004	0.005 H	177.266 H	473.577	0.017 L	-0.009 L	-0.033
# 2 L	-0.004	0.004 H	177.276 H	473.190	0.015 L	-0.004 L	-0.039
# 3 L	-0.005	0.003 H	176.450 H	472.582	0.016 L	-0.014 L	-0.020
Mean L	-0.004	0.004 H	176.997 H	473.116	0.016 L	-0.009 L	-0.031
%RSD	4.841	30.538	0.268	0.106	5.049	55.840	32.062

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-0.106 L	-0.183	0.002	0.771	0.026
# 2 L	-0.088 L	-0.206	0.003	0.780	0.024
# 3 L	-0.102 L	-0.186	0.001	0.769	0.025
Mean L	-0.099 L	-0.192	0.002	0.773	0.025
%RSD	9.760	6.417	45.069	0.758	4.134

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSAB Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:31:44 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.961 H	499.264	0.502	0.482	1.014	0.526	0.461
# 2	0.960 H	498.650	0.501	0.481	1.026	0.532	0.466
# 3	0.946 H	494.090	0.496	0.475	1.010	0.514	0.452
Mean	0.956 H	497.335	0.500	0.479	1.017	0.524	0.460
%RSD	0.843	0.568	0.681	0.856	0.821	1.719	1.531

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.475	0.503 H	179.709 H	479.945	0.496	0.948	0.958
# 2	0.471	0.500 H	179.481 H	480.262	0.496	0.955	0.866
# 3	0.467	0.492 H	176.928 H	475.535	0.492	0.935	0.898
Mean	0.471	0.498 H	178.706 H	478.581	0.495	0.946	0.907
%RSD	0.859	1.151	0.864	0.552	0.479	1.068	5.131

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-0.121 L	-0.155	0.474	1.255	1.041
# 2 L	-0.097 L	-0.164	0.467	1.260	1.029
# 3 L	-0.090 L	-0.189	0.460	1.246	0.998
Mean L	-0.103 L	-0.169	0.467	1.254	1.023
%RSD	15.829	10.403	1.448	0.566	2.178

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:35:18 PM October 15, 1996

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 2:35:32 PM October 15, 1996								
# 1	L	-0.001	25.692	9.895	9.975	10.193	10.177	9.990
# 2	L	-0.003	25.819	9.941	10.035	10.217	10.139	10.020
# 3	L	-0.005	25.602	9.851	9.907	10.118	10.080	9.877
Mean	L	-0.003	25.705	9.896	9.972	10.176	10.132	9.963
%RSD		71.296	0.424	0.455	0.645	0.511	0.485	0.754

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	9.987	10.043	24.249	24.984	10.153	10.194	10.118
# 2	10.035	10.089	24.331	25.092	10.176	10.259	10.219
# 3	9.925	10.002	24.029	24.930	10.053	10.142	10.059
Mean	9.982	10.045	24.203	25.002	10.127	10.198	10.132
%RSD	0.554	0.436	0.644	0.329	0.648	0.576	0.796

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	9.925	10.128	10.054	10.566	10.094
# 2	9.918	10.205	10.102	10.595	10.025
# 3	9.861	10.065	10.014	10.454	9.804
Mean	9.901	10.133	10.057	10.538	9.974
%RSD	0.355	0.695	0.437	0.707	1.516

EVOLUTION by Micro-Active Australia Pty Ltd 2:46:20 PM October 15, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 2:39:00 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	9.886	0.059	0.004	0.000 L	-0.000	0.000 L	-0.004
# 2	9.814	0.050	0.005	0.000	0.002	0.010	0.001
# 3	9.972	0.025	0.004 L	-0.001	0.002	0.001 L	-0.019
Mean	9.891	0.045	0.004 L	-0.000	0.001	0.004 L	-0.007
%RSD	0.798	39.333	12.542	246.644	96.504	131.302	148.689

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.009	0.008 L	-0.004 L	-0.011	0.000	0.001 L	-0.014
# 2 L	-0.004	0.008	0.002	0.010	0.001	0.005 L	-0.005
# 3 L	-0.010	0.002 L	-0.004 L	-0.021 L	-0.000	0.000 L	-0.030
Mean L	-0.008	0.006 L	-0.002 L	-0.008	0.000	0.002 L	-0.016
%RSD	39.960	60.608	164.618	208.126	709.295	124.873	79.523

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.101 L	-0.051	0.003	0.579	0.006
# 2	0.102 L	-0.088	0.021	0.584	0.004
# 3	0.103 L	-0.035 L	-0.007	0.564	0.008
Mean	0.102 L	-0.058	0.006	0.576	0.006
%RSD	0.974	46.660	257.342	1.808	34.667

DILUTION CORRECTED CONCENTR[illegible]

[illegible]

Weight : 1.0000 Volume : 1.00
Spooler time : 2:42:30 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.006	0.035	0.003 L	-0.001 L	-0.001	0.005	0.006
# 2 L	-0.010	0.015	0.003 L	-0.002 L	-0.000	0.005	0.009
# 3 L	-0.009	0.020	0.003 L	-0.001 L	-0.001	0.003	0.007
Mean L	-0.008	0.024	0.003 L	-0.001 L	-0.001	0.004	0.008
%RSD	23.928	43.069	10.461	15.408	55.925	20.554	19.931

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.004	0.001 L	-0.000 L	-0.005 L	-0.000 L	-0.007 L	-0.005
# 2 L	-0.006 L	-0.002 L	-0.013 L	-0.026 L	-0.000 L	-0.004 L	-0.012
# 3 L	-0.004 L	-0.000 L	-0.003	0.008 L	-0.000	0.003 L	-0.003
Mean L	-0.005 L	-0.000 L	-0.006 L	-0.008 L	-0.000 L	-0.003 L	-0.007
%RSD	24.377	1350.000	120.217	227.116	63.099	189.160	73.710

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.025 L	-0.051 L	-0.002	0.577 L	-0.008
# 2	0.021 L	-0.091 L	-0.004	0.580 L	-0.010
# 3	0.027 L	-0.072 L	-0.002	0.578 L	-0.008
Mean	0.024 L	-0.072 L	-0.003	0.578 L	-0.009
%RSD	12.377	28.284	45.826	0.264	12.733

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : PBS:15001 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 2:46:02 PM October 15, 1996

Identity 1 : PBS:15001 Identity 2 : 15001/LSS,; Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 2:46:02 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 2:46:24 PM October 15, 1996							
# 1	0.276 L	-14.792	0.309	0.106 L	-0.259	0.076 L	-2.186
# 2	0.451 L	-13.329	0.294	0.158 L	-0.147 L	-0.082 L	-1.580
# 3	0.902 L	-9.915	0.353	0.236 L	-0.475	0.252 L	-2.287
Mean	0.543 L	-12.679	0.318	0.167 L	-0.294	0.082 L	-2.018
%RSD	59.434	19.737	9.682	39.051	56.763	203.665	18.930

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.320 L	-2.583 L	-0.035	0.000 L	-0.105 L	-1.947 L	-3.789
# 2 L	-0.658 L	-2.336	0.688	0.326 L	-0.150 L	-1.880 L	-0.939
# 3 L	-0.279 L	-1.755	0.568	1.631 L	-0.168 L	-1.578 L	-1.414
Mean L	-0.419 L	-2.225	0.407	0.652 L	-0.141 L	-1.801 L	-2.047
%RSD	49.527	19.102	95.102	132.288	23.030	10.917	74.591

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.151 L	-8.795	0.359	59.200 L	-1.117
# 2 L	-0.045 L	-7.739	0.662	59.800 L	-0.754
# 3	1.408 L	-8.267	0.993	59.100 L	-0.118
Mean	0.504 L	-8.267	0.671	59.367 L	-0.663
%RSD	156.297	6.382	47.275	0.638	76.259

EVOLUTION by Micro-Active Australia Pty Ltd 2:57:20 PM October 15, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCS:15001 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 2:49:32 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	10.260	99.073	1015.127	96.264	97.565	100.429	96.976
# 2	10.522	100.780	1023.064	97.324	99.195	100.957	100.607
# 3	10.784	103.706	1046.617	99.616	101.659	104.263	102.827
Mean	10.522	101.186	1028.269	97.735	99.473	101.883	100.136
%RSD	2.489	2.315	1.593	1.753	2.072	2.040	2.950

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	98.116	100.050	93.852	101.763	99.847	99.721	97.555
# 2	99.015	101.054	95.441	101.274	100.859	100.090	100.133
# 3	101.029	103.185	98.354	102.253	102.964	101.534	105.630
Mean	99.387	101.430	95.883	101.763	101.224	100.448	101.106
%RSD	1.501	1.578	2.381	0.481	1.571	0.954	4.079

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	1.638	82.993	99.009	158.300	101.742
# 2	1.344	80.530	99.754	161.900	103.240
# 3	1.048	82.289	102.045	164.100	104.534
Mean	1.344	81.937	100.270	161.433	103.172
%RSD	21.951	1.548	1.578	1.814	1.355

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11533-1 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5010 Volume : 50.00
Spooler time : 2:53:02 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.638 H	8629.216	37.299	0.605	4.388	6.763	22.344
# 2	0.640 H	8716.817	37.757	0.613	4.145	6.360	23.754
# 3	0.902 H	8543.319	36.982	0.631	4.145	6.781	23.754
Mean	0.727 H	8629.784	37.346	0.616	4.226	6.635	23.284
%RSD	20.899	1.005	1.044	2.131	3.321	3.592	3.495

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	23.830	5.648 H	12415.920	858.380	53.410	13.582	3.993
# 2	23.891	5.718 H	12580.766	863.100	54.090	12.946	1.753
# 3	23.391	5.841 H	12301.072	847.801	52.905	13.783	1.219
Mean	23.704	5.735 H	12432.586	856.427	53.468	13.437	2.322
%RSD	1.150	1.706	1.131	0.915	1.113	3.249	63.383

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.326 L	-3.935	20.847	86.028	24.500
# 2	0.296 L	-5.341	20.875	87.425	24.365
# 3 L	-2.071 L	-5.863	20.930	87.425	24.266
Mean L	-0.483 L	-5.046	20.884	86.959	24.377
%RSD	284.796	19.760	0.201	0.928	0.482

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11533-1D Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 2:56:34 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 2:57:24 PM October 15, 1996							
# 1	0.299 H	8054.232	36.300	0.485	3.825	7.480	14.421
# 2	0.396 H	8030.826	36.167	0.494	3.759	7.498	14.118
# 3	0.558 H	8010.101	36.167	0.511	3.638	7.463	14.421
Mean	0.418 H	8031.720	36.211	0.497	3.741	7.480	14.320
%RSD	31.355	0.275	0.212	2.649	2.541	0.235	1.220

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	14.810	6.117 H	11652.488	826.013	59.122	13.505	5.412
# 2	15.116	6.152 H	11612.933	826.176	59.064	13.437	3.649
# 3	15.464	6.310 H	11628.146	824.708	59.155	13.001	3.988
Mean	15.130	6.193 H	11631.189	825.632	59.114	13.315	4.349
%RSD	2.164	1.666	0.172	0.097	0.078	2.053	21.513

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-1.536 L	-6.395	16.281	79.300	23.355
# 2 L	-0.627 L	-10.617	16.860	79.000	24.212
# 3 L	-2.250 L	-6.747	17.026	79.300	24.811
Mean L	-1.471 L	-7.919	16.722	79.200	24.126
%RSD	55.274	29.578	2.340	0.219	3.035

EVOLUTION by Micro-Active Australia Pty Ltd 3:07:22 PM October 15, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11533-1MS Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5050 Volume : 50.00
Spooler time : 3:00:08 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	9.594 H	5178.260	972.747	90.952	94.429	98.564	104.081
# 2	9.576 H	5148.567	967.161	90.491	93.733	98.164	104.281
# 3	9.406 H	5171.742	972.505	90.986	94.290	98.512	104.181
Mean	9.525 H	5166.190	970.804	90.810	94.150	98.413	104.181
%RSD	1.092	0.302	0.325	0.304	0.391	0.221	0.096

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	103.490	98.990 H	8804.652	629.079	136.262	102.425	96.231
# 2	103.895	98.258 H	8760.674	624.396	135.609	102.060	94.149
# 3	104.108	98.624 H	8788.349	627.625	136.574	102.259	96.433
Mean	103.831	98.624 H	8784.558	627.033	136.148	102.248	95.604
%RSD	0.302	0.371	0.253	0.382	0.362	0.179	1.322

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-0.065	90.028	98.712	167.525	115.141
# 2	1.229	90.029	97.865	167.723	115.169
# 3	0.618	90.202	98.084	167.624	114.446
Mean	0.594	90.086	98.220	167.624	114.919
%RSD	109.023	0.111	0.448	0.059	0.356

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11533-1MD Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5030 Volume : 50.00
Spooler time : 3:03:42 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	9.215 H	6274.481	969.453	92.487	95.577	100.022	112.915
# 2	9.041 H	6190.622	953.313	90.851	93.575	97.033	110.309
# 3	9.003 H	6222.614	960.069	91.442	94.869	97.243	112.515
Mean	9.086 H	6229.239	960.945	91.593	94.674	98.099	111.913
%RSD	1.246	0.679	0.844	0.904	1.072	1.701	1.254

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	110.578	99.454 H	9287.097	697.234	130.446	101.399	98.828
# 2	108.902	98.088 H	9136.714	689.129	128.516	100.898	94.245
# 3	109.867	98.649 H	9186.850	693.019	129.082	101.398	97.953
Mean	109.782	98.730 H	9203.554	693.128	129.348	101.232	97.009
%RSD	0.767	0.695	0.832	0.585	0.767	0.286	2.508

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.211	86.346	102.259	175.348	117.147
# 2	0.332	83.201	100.394	172.763	113.770
# 3 L	-0.197	87.396	100.970	174.950	112.487
Mean	0.115	85.648	101.208	174.354	114.468
%RSD	240.471	2.549	0.944	0.798	2.103

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11533-2 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5060 Volume : 50.00
Spooler time : 3:07:14 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

EVOLUTION by Micro-Active Australia Pty Ltd 3:14:22 PM October 15, 1996

# 1		0.002	H	14638.554	119.716	0.599	4.844	9.581	14.108
# 2	L	-0.192	H	14736.131	120.718	0.582	5.039	9.512	16.700
# 3	L	-0.467	H	14996.578	123.089	0.565	5.187	9.234	15.901
Mean	L	-0.219	H	14790.421	121.174	0.582	5.023	9.442	15.570
%RSD		107.538		1.251	1.429	2.927	3.419	1.948	8.523

		Cr2		Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
		ppm		ppm	ppm	ppm	ppm	ppm	ppm
# 1		14.200		7.645	H 13886.325	1716.395	279.594	16.619	6.527
# 2		14.381		7.436	H 13960.004	1727.675	281.663	17.780	5.050
# 3		14.321		7.175	H 14224.691	1758.293	287.499	17.383	5.714
Mean		14.301		7.419	H 14023.673	1734.121	282.919	17.261	5.764
%RSD		0.647		3.173	1.269	1.250	1.449	3.418	12.835

		Sb1		Tl1	V 1	Y	Zn1
		ppm		ppm	ppm	ppm	ppm
# 1	L	-1.598	L	-9.350	23.559	78.063	29.360
# 2		0.278	L	-7.268	24.377	80.632	29.025
# 3	L	-2.213	L	-11.621	23.586	79.842	28.115
Mean	L	-1.178	L	-9.413	23.841	79.513	28.833
%RSD		110.163		23.134	1.949	1.655	2.234

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11486-9 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 3:10:42 PM October 15, 1996

		Ag1		Al1	Ba1	Be1	Cd1	Co1	Cr1
		ppm		ppm	ppm	ppm	ppm	ppm	ppm
# 1	L	-0.313	H	11087.893	163.297	0.425	3.066	7.129	8.231
# 2	L	-0.359	H	11069.363	162.971	0.416	3.254	6.970	8.433
# 3	L	-0.493	H	11047.906	162.786	0.399	3.094	6.847	7.727
Mean	L	-0.388	H	11068.388	163.018	0.414	3.138	6.982	8.131
%RSD		24.009		0.181	0.159	3.182	3.220	2.020	4.471

		Cr2		Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
		ppm		ppm	ppm	ppm	ppm	ppm	ppm
# 1		8.277		9.656	H 9039.401	3765.901	205.441	11.839	7.515
# 2		8.492		9.621	H 9012.751	3755.626	204.943	11.503	10.637
# 3		8.093		9.568	H 8988.916	3750.734	204.346	11.806	5.345
Mean		8.287		9.615	H 9013.689	3757.420	204.910	11.716	7.832
%RSD		2.408		0.461	0.280	0.206	0.268	1.578	33.968

		Sb1		Tl1	V 1	Y	Zn1
		ppm		ppm	ppm	ppm	ppm
# 1		0.286	L	-8.080	23.152	73.000	29.095
# 2	L	-3.186	L	-6.495	22.959	73.200	29.371
# 3	L	-1.114	L	-11.242	22.986	72.500	28.193
Mean	L	-1.338	L	-8.606	23.032	72.900	28.887
%RSD		130.589		28.087	0.454	0.495	2.133

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11486-14 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5070 Volume : 50.00
Spooler time : 3:14:14 PM October 15, 1996

		Ag1		Al1	Ba1	Be1	Cd1	Co1	Cr1
		ppm		ppm	ppm	ppm	ppm	ppm	ppm
# 1		0.014	H	19535.677	148.446	0.691	4.613	8.331	159.201
# 2	L	-0.029	H	19392.606	147.066	0.691	4.788	8.487	155.820
# 3		0.142	H	19133.875	145.292	0.700	4.918	8.886	154.331
Mean		0.042	H	19354.053	146.935	0.694	4.773	8.568	156.451
%RSD		210.026		1.052	1.076	0.707	3.206	3.341	1.595

Mean	0.042 H	19354.053	146.935	0.694	4.773	8.568	156.451
%RSD	210.026	1.052	1.076	0.707	3.206	3.341	1.595

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	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	156.989	15.237 H	14122.880	4546.849	387.830	16.285	10.824
# 2	155.053	15.098 H	13981.110	4506.641	383.876	16.484	8.887
# 3	154.348	15.011 H	13830.097	4455.819	380.040	16.451	8.556
Mean	155.463	15.115 H	13978.029	4503.103	383.915	16.407	9.422
%RSD	0.880	0.753	1.047	1.013	1.015	0.650	13.001

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-4.615 L	-14.274	29.445	221.105	54.693
# 2 L	-4.407 L	-15.824	29.527	217.751	55.305
# 3 L	-4.415 L	-10.606	29.853	216.272	56.221
Mean L	-4.479 L	-13.568	29.608	218.376	55.406
%RSD	2.622	19.750	0.730	1.134	1.388

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11486-15 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5010 Volume : 50.00
Spooler time : 3:17:46 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.380 H	17045.247	141.749	0.691	4.827	7.852	51.631
# 2	0.496 H	16704.091	138.542	0.691	4.780	7.799	50.527
# 3	0.501 H	16746.918	139.059	0.674	4.734	7.852	51.331
Mean	0.459 H	16832.085	139.783	0.685	4.780	7.834	51.163
%RSD	14.885	1.104	1.232	1.449	0.978	0.388	1.116

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	51.631	13.592 H	13314.617	3259.371	316.137	14.029	5.426
# 2	50.519	13.486 H	13022.609	3192.315	308.957	14.565	8.074
# 3	50.999	13.504 H	13072.850	3206.149	310.534	13.359	8.141
Mean	51.050	13.527 H	13136.692	3219.278	311.876	13.985	7.213
%RSD	1.093	0.418	1.188	1.100	1.210	4.321	21.470

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-1.496 L	-6.527	22.004	115.469	40.470
# 2 L	-4.106 L	-7.210	22.114	114.371	39.080
# 3 L	-2.616 L	-4.055	21.921	115.170	38.620
Mean L	-2.739 L	-5.931	22.013	115.003	39.390
%RSD	47.795	27.995	0.439	0.493	2.445

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:21:16 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.005	25.956	10.013	10.091	10.290	10.243	10.125
# 2	0.006	25.778	9.914	9.986	10.203	10.161	9.942
# 3	0.005	25.819	9.949	10.035	10.291	10.222	10.077
Mean	0.005	25.851	9.958	10.037	10.261	10.209	10.048
%RSD	13.950	0.360	0.503	0.523	0.492	0.414	0.943

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.099	10.171	24.642	25.348	10.220	10.262	10.190
# 2	9.985	10.072	24.453	25.105	10.135	10.165	10.127
# 3	10.051	10.097	24.519	25.139	10.175	10.235	10.188
Mean	10.045	10.113	24.538	25.197	10.177	10.221	10.168

3	10.051	10.097	24.519	25.139	10.175	10.235	10.188
Mean	10.045	10.113	24.538	25.197	10.177	10.221	10.168

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%RSD	0.573	0.509	0.390	0.522	0.418	0.493	0.351

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	10.048	10.307	10.172	10.711	10.189
# 2	9.932	10.204	10.083	10.530	10.104
# 3	9.914	10.093	10.129	10.664	9.963
Mean	9.964	10.201	10.128	10.635	10.085
%RSD	0.731	1.052	0.440	0.883	1.133

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:24:42 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	10.037 L	-0.065	0.004	0.002 L	-0.003	0.007 L	-0.011
# 2	10.021 L	-0.053	0.004	0.002 L	-0.001	0.007 L	-0.001
# 3	10.014 L	-0.055	0.004	0.003 L	-0.000	0.003 L	-0.003
Mean	10.024 L	-0.058	0.004	0.002 L	-0.001	0.006 L	-0.005
%RSD	0.119	11.179	6.754	5.455	112.241	48.311	113.386

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.001 L	-0.012	0.005 L	-0.005	0.001 L	-0.010 L	-0.013
# 2 L	-0.003 L	-0.010	0.007	0.002	0.001 L	-0.007 L	-0.004
# 3 L	-0.001 L	-0.010	0.002	0.002	0.000 L	-0.006 L	-0.013
Mean L	-0.001 L	-0.011	0.005 L	-0.001	0.001 L	-0.007 L	-0.010
%RSD	178.964	14.856	53.416	692.820	93.755	26.235	53.293

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.089 L	-0.079	0.006	0.614	0.007
# 2	0.099 L	-0.090	0.007	0.624	0.010
# 3	0.097 L	-0.097	0.007	0.622	0.014
Mean	0.095 L	-0.089	0.007	0.620	0.010
%RSD	5.422	10.001	8.000	0.853	37.342

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 3:28:12 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.001 L	-0.021	0.003	0.001	0.005	0.013 L	-0.004
# 2 L	-0.004 L	-0.043	0.001	0.000 L	-0.000 L	-0.006 L	-0.020
# 3 L	-0.002 L	-0.043	0.001	0.001 L	-0.001	0.006 L	-0.009
Mean L	-0.002 L	-0.036	0.002	0.001	0.001	0.004 L	-0.011
%RSD	146.593	35.428	52.473	47.368	222.646	218.118	76.737

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.003 L	-0.009	0.008	0.003 L	-0.001 L	-0.002 L	-0.010
# 2 L	-0.006 L	-0.012	0.003 L	-0.029 L	-0.000 L	-0.002 L	-0.011
# 3 L	-0.005 L	-0.011	0.000 L	-0.024 L	-0.000 L	-0.010 L	-0.010
Mean L	-0.002 L	-0.011	0.004 L	-0.017 L	-0.000 L	-0.005 L	-0.010
%RSD	210.859	12.967	101.930	104.379	71.541	96.509	3.807

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.005 L	-0.063	0.003	0.629 L	-0.002
# 2	0.011 L	-0.062 L	-0.001	0.613 L	-0.005
# 3 L	-0.020 L	-0.051	0.001	0.624 L	-0.000

# 1	0.005	L	-0.063	0.003	0.629 L	-0.002
# 2	0.011	L	-0.062 L	-0.001	0.613 L	-0.005
# 3 L	-0.020	L	-0.051	0.001	0.624 L	-0.000

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Mean L	-0.001 L	-0.059	0.001	0.622 L	-0.002
SD	1328.398	11.363	200.000	1.316	113.130

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11486-16 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5060 Volume : 50.00
Spooler time : 3:31:40 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.343 H	17833.796	150.854	0.795	4.557	8.434	175.955
# 2	0.315 H	17716.703	149.837	0.803	5.353	8.052	172.767
# 3	0.525 H	17775.490	150.620	0.820	4.964	8.104	176.953
Mean	0.394 H	17775.330	150.437	0.806	4.958	8.197	175.225
%RSD	28.891	0.329	0.354	1.614	8.028	2.529	1.248

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	174.321	13.353 H	13563.174	4746.635	315.689	13.789	9.687
# 2	173.159	13.353 H	13429.215	4712.310	312.752	13.988	12.842
# 3	174.432	13.544 H	13514.333	4727.297	314.869	13.988	9.085
Mean	173.970	13.417 H	13502.241	4728.747	314.437	13.921	10.538
%RSD	0.405	0.824	0.502	0.364	0.482	0.826	19.149

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.397 L	-8.445	24.732	241.107	43.756
# 2 L	-2.795 L	-7.219	24.541	237.945	43.807
# 3 L	-3.264 L	-0.271	24.732	242.095	43.931
Mean L	-1.887 L	-5.312	24.668	240.382	43.831
%RSD	105.546	82.994	0.447	0.902	0.205

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11486-17 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 3:35:10 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.489 H	15230.435	109.143	0.684	4.275	10.611	184.857
# 2	0.772 H	15413.789	110.749	0.718	4.331	10.945	192.523
# 3	0.814 H	15508.636	111.793	0.761	4.752	11.385	194.137
Mean	0.691 H	15384.287	110.562	0.721	4.453	10.980	190.506
%RSD	25.570	0.919	1.208	5.390	5.864	3.535	2.602

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	188.107	30.313 H	11663.814	1954.217	351.369	10.892	7.888
# 2	190.224	30.894 H	11873.893	1978.680	357.398	10.960	8.087
# 3	192.452	31.476 H	12005.800	1990.095	361.054	11.766	8.423
Mean	190.261	30.894 H	11847.836	1974.331	356.607	11.206	8.133
%RSD	1.142	1.881	1.456	0.928	1.371	4.338	3.320

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-1.734 L	-2.836	22.131	250.700	77.149
# 2 L	-2.097 L	-3.019	22.710	258.300	79.427
# 3 L	-2.332 L	-2.670	22.876	259.900	80.477
Mean L	-2.055 L	-2.841	22.572	256.300	79.017
%RSD	14.657	6.135	1.733	1.918	2.153

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11486-21 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5030 Volume : 50.00

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11486-21 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5030 Volume : 50.00
EVOLUTION by Micro-Active Australia Pty Ltd 3:39:26 PM October 15, 1996

Spooler time : 3:38:46 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.534 H	11484.437	107.307	0.637	3.672	6.404	8.975
# 2	0.671 H	11529.517	107.954	0.654	3.346	6.299	8.573
# 3	0.578 H	11598.107	108.808	0.679	3.607	6.299	9.073
Mean	0.594 H	11537.353	108.023	0.657	3.541	6.334	8.874
%RSD	11.767	0.496	0.697	3.283	4.869	0.956	2.985

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.534	9.704 H	10635.969	3942.349	211.442	11.039	3.785
# 2	10.474	9.774 H	10705.369	3955.480	212.328	10.572	5.605
# 3	10.260	9.914 H	10788.244	3984.659	214.262	11.272	10.999
Mean	10.423	9.797 H	10709.861	3960.829	212.678	10.961	6.796
%RSD	1.382	1.092	0.712	0.547	0.678	3.254	55.201

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-0.773 L	-12.984	18.433	76.541	32.543
# 2 L	-3.737 L	-13.163	18.241	76.143	32.432
# 3 L	-5.092 L	-11.073	18.214	76.640	32.929
Mean L	-3.200 L	-12.407	18.296	76.441	32.635
%RSD	69.024	9.338	0.654	0.344	0.800

EVOLUTION by Micro-Active Australia Pty Ltd 3:49:24 PM October 15, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11486-23 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5030 Volume : 50.00
Spooler time : 3:42:18 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.162 H	14039.969	112.150	0.722	4.361	6.702	14.721
# 2	0.200 H	13967.016	111.583	0.714	4.556	6.597	12.917
# 3	0.208 H	13739.190	109.559	0.697	4.603	6.509	12.719
Mean	0.190 H	13915.392	111.097	0.711	4.507	6.603	13.452
%RSD	12.985	1.127	1.226	1.840	2.850	1.458	8.202

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	12.343	12.277 H	11818.972	3294.396	205.314	12.930	6.790
# 2	11.957	12.172 H	11767.421	3274.132	204.896	13.497	8.343
# 3	12.252	11.944 H	11557.657	3229.065	200.307	13.431	8.348
Mean	12.184	12.131 H	11714.683	3265.864	203.506	13.286	7.827
%RSD	1.656	1.402	1.182	1.024	1.365	2.334	11.474

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-4.284 L	-8.436	21.999	80.119	31.242
# 2 L	-3.309 L	-6.682	21.917	78.330	30.312
# 3 L	-3.172 L	-7.019	21.587	78.131	28.398
Mean L	-3.588 L	-7.379	21.834	78.860	29.984
%RSD	16.903	12.614	0.997	1.388	4.837

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11486-28 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5020 Volume : 50.00
Spooler time : 3:45:48 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.249 H	10460.146	134.387	0.561	2.783	6.470	7.964
# 2 L	-0.347 H	10474.960	134.578	0.535	2.979	6.154	7.864
# 3 L	-0.416 H	10376.363	133.074	0.509	3.101	5.804	7.463
Mean L	-0.337 H	10437.156	134.013	0.535	2.955	6.143	7.763
%RSD	24.927	0.509	0.611	4.813	5.418	5.421	3.416

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	8.234	11.810 H	8911.246	2312.230	193.332	11.928	7.116
# 2	8.346	11.617 H	8943.234	2310.768	194.626	13.064	6.371
# 3	8.519	11.302 H	8832.809	2286.078	192.096	11.861	6.104
Mean	8.366	11.577 H	8895.763	2303.026	193.351	12.284	6.530
%RSD	1.717	2.218	0.639	0.638	0.654	5.507	8.029

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.357 L	-2.397	10.279	72.311	28.094
# 2 L	-3.440 L	-2.046	9.840	72.211	26.857
# 3 L	-3.297 L	-4.317	9.730	71.813	26.182
Mean L	-2.127 L	-2.920	9.949	72.112	27.044
%RSD	101.186	41.863	2.923	0.365	3.586

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11486-33 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5000 Volume : 50.00
Spooler time : 3:49:20 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

EVOLUTION by Micro-Active Australia Pty Ltd 3:57:26 PM October 15, 1996

# 1 L	-0.058 H	11715.733	278.595	0.391	3.703	6.267	55.803
# 2 L	-0.360 H	11716.002	278.602	0.366	4.079	6.930	57.620
# 3 L	-0.630 H	11714.514	278.521	0.313	3.647	6.795	55.803
Mean L	-0.346 H	11715.083	278.573	0.356	3.809	6.630	56.409
%RSD	82.665	0.005	0.016	11.087	6.149	4.755	1.859

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	57.889	30.190 H	9983.752	4699.222	226.274	11.418	212.625
# 2	57.439	29.838 H	9975.206	4692.209	226.473	11.016	214.933
# 3	57.142	29.521 H	9932.981	4698.732	225.728	11.451	212.694
Mean	57.490	29.850 H	9963.980	4696.721	226.158	11.295	213.417
%RSD	0.654	1.121	0.273	0.083	0.171	2.148	0.615

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-2.957 L	-10.097	24.062	120.600	68.081
# 2 L	-1.498 L	-12.206	23.483	122.400	67.219
# 3 L	-1.983 L	-13.439	22.931	120.600	65.566
Mean L	-2.146 L	-11.914	23.492	121.200	66.955
%RSD	34.628	14.184	2.408	0.857	1.908

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11486-34 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5030 Volume : 50.00
Spooler time : 3:53:00 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.148 H	7134.135	1017.750	0.268	5.674	6.195 H	2737.169
# 2 L	-0.080 H	7154.009	1022.453	0.251	6.139	6.981 H	2739.174
# 3 L	-0.235 H	7086.147	1010.971	0.200	5.590	6.562 H	2697.159
Mean L	-0.055 H	7124.764	1017.058	0.240	5.801	6.579 H	2724.500
%RSD	347.952	0.490	0.568	14.869	5.102	5.983	0.870

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 H	2724.429	95.410 H	14852.747	4077.548	209.581	11.793	35.616
# 2 H	2734.967	95.445 H	14882.446	4094.246	211.090	11.926	40.337
# 3 H	2694.055	94.202 H	14636.513	4043.992	207.459	11.125	38.589
Mean H	2717.817	95.019 H	14790.568	4071.928	209.376	11.615	38.181
%RSD	0.782	0.745	0.908	0.629	0.871	3.695	6.252

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	2.249 L	-2.535	21.258	2787.078	400.016
# 2	1.931 L	-5.687	21.395	2789.066	400.621
# 3	3.285 L	-5.148	20.573	2747.416	391.680
Mean	2.488 L	-4.457	21.075	2774.520	397.439
%RSD	28.457	37.827	2.092	0.847	1.257

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10552-1 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5070 Volume : 50.00
Spooler time : 3:56:32 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.138 H	7524.393	79.509	0.309	4.068	7.759	13.033
# 2 L	-0.050 H	7614.082	80.399	0.283	4.410	8.400	12.527
# 3 L	-0.078 H	7535.694	79.582	0.292	4.077	7.828	11.540
Mean	0.003 H	7558.056	79.830	0.295	4.185	7.996	12.367
%RSD	3450.193	0.646	0.620	4.406	4.653	4.405	6.142

Mean	0.003 H	7558.056	79.830	0.295	4.185	7.996	12.367
%RSD	3450.193	0.646	0.620	4.406	4.653	4.405	6.142

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	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	12.024	11.572 H	11933.146 H	19898.314	380.484	13.439	6.196
# 2	12.206	11.347 H	12059.123 H	20096.136	384.998	14.064	8.669
# 3	11.812	11.329 H	11925.431 H	19927.907	381.185	14.332	6.062
Mean	12.014	11.416 H	11972.566 H	19974.119	382.222	13.945	6.976
%RSD	1.638	1.188	0.627	0.534	0.635	3.286	21.042

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	1.105 L	-9.821	18.995	79.191	34.942
# 2	0.879 L	-13.518	20.029	78.698	37.165
# 3 L	-1.691 L	-12.604	20.410	77.712	37.709
Mean	0.098 L	-11.981	19.811	78.534	36.606
%RSD	1590.443	16.074	3.696	0.959	4.005

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10552-2 Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 0.5030 Volume : 50.00
Spooler time : 4:00:04 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.195 H	8433.481	75.048	0.380	5.003	8.869	10.305
# 2	0.244 H	8401.004	74.724	0.388	5.106	8.834	9.807
# 3	0.477 H	8328.536	74.142	0.405	4.864	8.362	10.621
Mean	0.305 H	8387.674	74.638	0.391	4.991	8.689	10.244
%RSD	49.444	0.641	0.615	3.345	2.435	3.259	4.006

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	13.299	11.279 H	13730.635 H	24872.347	457.160	14.470	6.606
# 2	12.668	11.367 H	13643.504 H	24805.558	454.881	13.970	9.846
# 3	12.608	11.454 H	13519.685 H	24555.747	450.156	14.310	4.520
Mean	12.858	11.367 H	13631.275 H	24744.551	454.066	14.250	6.991
%RSD	2.975	0.770	0.778	0.674	0.787	1.789	38.387

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	2.395 L	-23.988	23.041	83.797	41.345
# 2 L	-1.133 L	-22.921	22.657	83.300	40.950
# 3	1.194 L	-18.831	22.218	84.095	40.323
Mean	0.819 L	-21.913	22.639	83.731	40.872
%RSD	219.126	12.424	1.819	0.480	1.261

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:03:40 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.002	25.461	9.840	9.876	10.070	10.038	9.908
# 2	0.003	25.529	9.855	9.896	10.048	10.041	9.864
# 3	0.005	25.641	9.906	9.968	10.124	10.098	9.993
Mean	0.004	25.544	9.867	9.913	10.081	10.059	9.922
%RSD	39.770	0.357	0.352	0.487	0.389	0.335	0.662

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	9.914	10.022	24.203	25.066	10.030	10.075	10.040
# 2	9.917	10.041	24.258	25.134	10.042	10.105	10.146
# 3	9.975	10.074	24.474	25.198	10.096	10.150	10.217

%RSD	0.349	0.262	0.589	0.263	0.347	0.374	0.876

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	9.798	9.934	10.009	10.511	10.147
# 2	9.846	10.017	10.013	10.468	10.145
# 3	9.872	10.035	10.079	10.596	10.102
Mean	9.839	9.995	10.033	10.525	10.131
%RSD	0.385	0.535	0.395	0.619	0.253

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:07:14 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	9.997 L	-0.014	0.003	0.001	0.004	0.002	0.009
# 2	9.928	0.006	0.003	0.001	0.003	0.007 L	-0.006
# 3	10.018	0.001	0.003	0.001	0.003	0.007	0.000
Mean	9.981 L	-0.002	0.003	0.001	0.003	0.005	0.001
%RSD	0.470	416.323	10.141	24.119	12.275	53.989	566.360

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.006 L	-0.002	0.016	0.002 L	-0.000 L	-0.003	0.001
# 2 L	-0.003 L	-0.001	0.017	0.011	0.000 L	-0.010 L	-0.002
# 3 L	-0.009 L	-0.002	0.004	0.003	0.001 L	-0.003	0.004
Mean L	-0.006 L	-0.002	0.013	0.005	0.000 L	-0.005	0.001
%RSD	45.237	54.740	56.029	96.437	134.615	73.981	246.036

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.078 L	-0.039	0.006	0.617	0.003
# 2	0.085 L	-0.033	0.008	0.602	0.004
# 3	0.073 L	-0.081	0.004	0.608	0.010
Mean	0.079 L	-0.051	0.006	0.609	0.006
%RSD	7.435	51.027	32.778	1.240	65.629

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 15001,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:10:46 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.003 L	-0.002	0.001	0.000	0.001	0.002 L	-0.011
# 2	0.003 L	-0.007	0.001	0.000	0.002	0.006	0.005
# 3	0.004	0.006	0.001	0.000	0.003	0.006	0.003
Mean	0.003 L	-0.001	0.001	0.000	0.002	0.004 L	-0.001
%RSD	18.090	754.995	3.039	42.857	50.629	55.263	1307.099

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.002	0.001 L	-0.000	0.011 L	-0.001 L	-0.004 L	-0.010
# 2 L	-0.003	0.001 L	-0.001	0.000 L	-0.001 L	-0.002	0.007
# 3 L	-0.002	0.002 L	-0.005	0.010 L	-0.001 L	-0.003 L	-0.004
Mean L	-0.002	0.001 L	-0.002	0.007 L	-0.001 L	-0.003 L	-0.002
%RSD	24.930	59.073	105.822	87.368	26.490	46.634	361.788

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.017 L	-0.033	0.004	0.602	0.010
# 2	0.007 L	-0.025	0.001	0.618	0.012
# 3	0.018 L	-0.002	0.003	0.616	0.010

	ppm		ppm	ppm	ppm	ppm
# 1	0.017	L	-0.033	0.004	0.602	0.010
# 2	0.007	L	-0.025	0.001	0.618	0.012
# 3	0.018	L	-0.002	0.003	0.616	0.010

Mean	0.014 L	-0.020	0.003	0.612	0.011
%RSD	42.380	81.975	62.450	1.424	10.880

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : RW Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:14:16 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.004	0.003	0.001	0.000 L	-0.000	0.005 L	-0.005
# 2	0.003 L	-0.007	0.000	0.000 L	-0.002	0.006	0.006
# 3	0.002 L	-0.004	0.001	0.000	0.001	0.008 L	-0.004
Mean	0.003 L	-0.002	0.001	0.000 L	-0.000	0.007 L	-0.001
%RSD	26.661	208.165	47.406	34.641	291.905	24.374	912.094

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.001	0.003	0.007	0.015 L	-0.001 L	-0.000 L	-0.001
# 2 L	-0.001	0.003	0.002 L	-0.003 L	-0.001	0.003	0.000
# 3 L	-0.005	0.002	0.000	0.007 L	-0.000	0.003 L	-0.005
Mean L	-0.003	0.003	0.003	0.006 L	-0.001	0.002 L	-0.002
%RSD	100.728	27.907	108.782	150.206	17.446	88.207	151.427

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.011 L	-0.067	0.004	0.606	0.001
# 2 L	-0.004 L	-0.035	0.001	0.617 L	-0.001
# 3	0.015 L	-0.042	0.002	0.607 L	-0.000
Mean	0.007 L	-0.048	0.002	0.610 L	-0.000
%RSD	130.537	34.583	78.062	0.997	1158.944

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : LCS Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:17:48 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.001	26.102	10.044	10.084	10.280	10.202	10.111
# 2	0.001	25.919	9.987	10.034	10.191	10.219	10.029
# 3	0.001	25.897	9.968	10.000	10.157	10.170	10.037
Mean	0.001	25.973	10.000	10.039	10.209	10.197	10.059
%RSD	33.592	0.433	0.395	0.419	0.620	0.245	0.453

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.094	10.190	24.709	25.495	10.225	10.259	10.312
# 2	10.054	10.142	24.672	25.333	10.184	10.212	10.120
# 3	10.012	10.112	24.552	25.309	10.141	10.213	10.183
Mean	10.053	10.148	24.644	25.379	10.184	10.228	10.205
%RSD	0.410	0.388	0.333	0.398	0.412	0.261	0.956

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	10.026	10.175	10.196	10.698	10.331
# 2	9.895	10.277	10.134	10.616	10.266
# 3	9.853	10.142	10.109	10.624	10.150
Mean	9.925	10.198	10.146	10.646	10.249
%RSD	0.912	0.692	0.443	0.425	0.895

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : RWMS Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : RWMS Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00

EVOLUTION by Micro-Active Australia Pty Ltd 4:29:24 PM October 15, 1996

Spooler time : 4:21:22 PM October 15, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	L	-0.000	26.051	10.010	10.072	10.234	10.171	10.096
# 2		0.000	25.787	9.896	9.957	10.103	10.094	10.021
# 3	L	-0.002	25.897	9.952	10.020	10.189	10.157	10.039
Mean	L	-0.001	25.912	9.953	10.016	10.175	10.141	10.052
%RSD		173.064	0.510	0.574	0.572	0.656	0.402	0.393

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.072	10.173	24.742	25.429	10.194	10.258	10.149
# 2	9.980	10.059	24.368	25.134	10.106	10.124	10.178
# 3	10.001	10.109	24.566	25.263	10.130	10.192	10.153
Mean	10.018	10.114	24.559	25.276	10.143	10.191	10.160
%RSD	0.484	0.567	0.763	0.585	0.449	0.660	0.152

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	10.037	10.212	10.167	10.676	10.335
# 2	9.941	10.056	10.050	10.601	10.227
# 3	9.896	10.158	10.106	10.619	10.147
Mean	9.958	10.142	10.108	10.632	10.236
%RSD	0.722	0.783	0.580	0.368	0.922

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : RWMD Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:25:00 PM October 15, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1		0.000	25.890	9.932	9.961	10.155	10.095	10.029
# 2	L	-0.001	25.607	9.800	9.833	10.007	9.991	9.915
# 3	L	-0.004	25.865	9.924	9.949	10.125	10.085	9.994
Mean	L	-0.002	25.787	9.885	9.914	10.096	10.057	9.979
%RSD		133.657	0.608	0.747	0.714	0.773	0.569	0.586

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	9.978	10.103	24.519	25.253	10.115	10.185	10.145
# 2	9.861	9.979	24.183	24.921	9.997	10.074	10.014
# 3	9.961	10.095	24.387	25.234	10.067	10.159	10.073
Mean	9.934	10.059	24.363	25.136	10.059	10.139	10.077
%RSD	0.635	0.688	0.695	0.743	0.590	0.575	0.654

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	9.936	10.072	10.065	10.606	10.158
# 2	9.773	9.986	9.934	10.493	10.040
# 3	9.850	10.137	10.060	10.572	10.054
Mean	9.853	10.065	10.020	10.557	10.084
%RSD	0.827	0.753	0.741	0.549	0.639

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10556-1 Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:28:30 PM October 15, 1996

		Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	L	-0.003	0.184	0.015	L -0.000	L -0.002	0.004	L -0.003
# 2		-0.004	0.171	0.016	L -0.000	L -0.001	0.011	0.015

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Mean L	-0.005	0.172	0.016 L	-0.000 L	-0.002	0.007	0.005
%RSD	36.648	6.381	6.238	107.152	44.540	48.813	172.949

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.002	0.007	0.064	0.736	0.003	0.004 L	-0.003
# 2 L	-0.005	0.005	0.061	0.745	0.003	0.005 L	-0.006
# 3 L	-0.005	0.004	0.065	0.734	0.003	0.000	0.018
Mean L	-0.004	0.005	0.063	0.738	0.003	0.003	0.003
%RSD	41.082	31.245	3.400	0.836	1.542	77.956	438.709

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.071 L	-0.055 L	-0.001	0.596	0.681
# 2	0.090 L	-0.034 L	-0.001	0.614	0.704
# 3	0.081 L	-0.028 L	-0.006	0.602	0.560
Mean	0.081 L	-0.039 L	-0.003	0.604	0.649
%RSD	12.048	35.889	113.578	1.517	11.911

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10556-1D Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:32:00 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.003	0.159	0.014 L	-0.000	0.001	0.001 L	-0.006
# 2 L	-0.002	0.162	0.013 L	-0.000	0.003	0.001 L	-0.003
# 3 L	-0.002	0.154	0.012 L	-0.000	0.001	0.002 L	-0.004
Mean L	-0.002	0.158	0.013 L	-0.000	0.002	0.001 L	-0.004
%RSD	25.860	2.350	6.891	10.825	68.069	43.644	37.873

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.005	0.004	0.073	0.729	0.001 L	-0.010	0.021
# 2 L	-0.006	0.004	0.065	0.726	0.003 L	-0.005	0.034
# 3 L	-0.006	0.005	0.071	0.722	0.002 L	-0.004	0.029
Mean L	-0.006	0.004	0.070	0.726	0.002 L	-0.006	0.028
%RSD	4.494	10.634	5.864	0.449	54.800	48.473	23.156

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.031 L	-0.093	0.017	0.595	0.604
# 2	0.051 L	-0.034	0.025	0.598	0.484
# 3	0.023 L	-0.074	0.027	0.597	0.417
Mean	0.035 L	-0.067	0.023	0.597	0.501
%RSD	39.940	45.521	23.403	0.256	18.846

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10556-2 Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:35:32 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.003 L	-0.011	0.021	0.000	0.003	0.005	0.003
# 2	0.003 L	-0.019	0.021	0.001	0.003	0.003 L	-0.011
# 3	0.006	0.001	0.021	0.001	0.003	0.003 L	-0.001
Mean	0.004 L	-0.010	0.021	0.001	0.003	0.004 L	-0.003
%RSD	46.785	101.036	2.361	47.324	5.045	32.218	266.030

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm

RSD	46.785	101.036	2.361	47.324	5.045	32.218	266.050

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.006 L	-0.008	0.011	0.941	0.002 L	-0.009 L	-0.007

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# 2	L	-0.008	L	-0.007	0.009	0.951	0.002 L	-0.010	0.009
# 3	L	-0.001	L	-0.002	0.016	0.954	0.003 L	-0.007	0.003
Mean	L	-0.005	L	-0.006	0.012	0.952	0.003 L	-0.009	0.001
%RSD		74.889		44.491	30.653	1.203	21.896	19.811	559.701

		Sb1 ppm		Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	L	-0.003	L	-0.097	0.011	0.618	0.042
# 2		0.000	L	-0.076	0.008	0.604	0.040
# 3	L	-0.001	L	-0.090	0.008	0.614	0.039
Mean	L	-0.001	L	-0.088	0.009	0.612	0.041
%RSD		155.296		12.265	20.593	1.178	3.496

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10556-3 Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:39:04 PM October 15, 1996

	Ag1 ppm		Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm		Cr1 ppm
# 1	0.000		0.001	0.023	0.000	0.005	0.005	L	-0.011
# 2	0.003		0.018	0.023	0.001	0.004	0.010	L	-0.019
# 3	0.003		0.025	0.023	0.001	0.005	0.009	L	-0.014
Mean	0.002		0.015	0.023	0.001	0.005	0.008	L	-0.015
%RSD	75.960		85.527	0.976	40.909	13.892	35.017		27.939

	Cr2 ppm		Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm		Pb1 ppm
# 1	-0.004	L	-0.005	0.019	2.864	0.001	-0.008	L	-0.018
# 2	-0.002	L	-0.002	0.026	2.856	0.002	-0.005		0.017
# 3	-0.002	L	-0.001	0.026	2.833	0.001	-0.008	L	-0.004
Mean	-0.003	L	-0.003	0.024	2.851	0.002	-0.007	L	-0.002
%RSD	37.192		90.446	17.326	0.563	10.351	26.387		963.306

	Sb1 ppm		Tl1 ppm		V 1 ppm	Y ppm		Zn1 ppm
# 1	0.018	L	-0.115	L	-0.000	0.621	L	-0.013
# 2	0.005	L	-0.068		0.003	0.613		0.000
# 3	0.000	L	-0.064		0.006	0.618		0.007
Mean	0.008	L	-0.082		0.003	0.617	L	-0.002
%RSD	116.696		34.628		100.000	0.655		508.319

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11021-4 1:100 Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:42:36 PM October 15, 1996

	Ag1 ppm		Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.001	L	-0.026	0.002	0.000	0.000	0.010	4.630
# 2	0.003	L	-0.002	0.002	0.000	0.004	0.005	4.543
# 3	0.002	L	-0.019	0.002	0.000	0.000	0.007	4.641
Mean	0.002	L	-0.015	0.002	0.000	0.001	0.007	4.605
%RSD	44.590		81.025	12.729	30.000	141.474	33.825	1.164

	Cr2 ppm		Cu1 ppm		Fe1 ppm	Mg1 ppm		Mn1 ppm		Ni1 ppm		Pb1 ppm
# 1	4.617	L	-0.005		0.005	0.232	L	-0.000	L	-0.009	L	-0.003
# 2	4.536	L	-0.003	L	-0.004	0.225	L	-0.000	L	-0.010		0.005
# 3	4.615	L	-0.004	L	-0.004	0.232	L	-0.001	L	-0.005	L	-0.002
Mean	4.589	L	-0.004	L	-0.001	0.229	L	-0.000	L	-0.008	L	-0.000
%RSD	1.003		22.358		502.450	1.642		46.332		35.659		3858.525

Mean	4.589 L	-0.004 L	-0.001	0.229 L	-0.000 L	-0.008 L	-0.000
%RSD	1.003	22.358	502.450	1.642	46.332	35.659	3858.525

Sb1	Tl1	V 1	Y	Zn1

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	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.001 L	-0.000 L	-0.014	6.210	0.027
# 2	0.010 L	-0.011 L	-0.010	5.132	0.031
# 3 L	-0.005 L	-0.014 L	-0.015	5.229	0.026
Mean	0.002 L	-0.008 L	-0.013	5.193	0.028
%RSD	458.757	88.530	19.630	1.023	8.556

DILUTION-CORRECTED CONCENTRATIONS
Identity 1 : 11021-5 1:100 Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:46:12 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.001 L	-0.009	0.001 L	-0.000 L	-0.008 L	-0.003	2.935
# 2 L	-0.000 L	-0.004	0.001 L	-0.000 L	-0.005	0.002	2.868
# 3	0.001 L	-0.002	0.002	0.000 L	-0.007	0.011	2.893
Mean L	-0.000 L	-0.005	0.001 L	-0.000 L	-0.007	0.004	2.899
%RSD	322.078	76.376	8.040	150.000	21.576	190.734	1.163

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	2.920	0.000	0.005	0.160	0.000	0.006 L	-0.007
# 2	2.888	0.001 L	-0.002	0.155	0.000 L	-0.003 L	-0.015
# 3	2.892	0.002	0.008	0.170	0.000 L	-0.002 L	-0.032
Mean	2.900	0.001	0.004	0.161	0.000 L	-0.000 L	-0.018
%RSD	0.600	90.185	130.555	4.629	108.167	123679.724	68.312

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-0.001 L	-0.042 L	-0.014	3.526	0.003
# 2 L	-0.006 L	-0.077 L	-0.012	3.460	0.006
# 3 L	-0.006 L	-0.048 L	-0.009	3.484	0.012
Mean L	-0.005 L	-0.056 L	-0.011	3.490	0.007
%RSD	74.459	34.031	19.399	0.957	67.544

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:49:44 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.003	25.841	9.931	9.987	10.146	10.148	9.943
# 2	0.003	25.707	9.877	9.935	10.098	10.097	9.929
# 3	0.001	26.043	10.012	10.070	10.213	10.202	10.061
Mean	0.002	25.864	9.940	9.997	10.153	10.149	9.978
%RSD	36.323	0.655	0.682	0.683	0.566	0.520	0.727

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.002	10.100	24.553	25.247	10.118	10.192	10.055
# 2	9.952	10.041	24.429	25.113	10.072	10.135	9.978
# 3	10.069	10.169	24.702	25.415	10.174	10.273	10.255
Mean	10.008	10.103	24.561	25.258	10.121	10.200	10.096
%RSD	0.590	0.636	0.556	0.599	0.504	0.682	1.412

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	9.896	10.117	10.100	10.515	10.264
# 2	9.880	10.255	10.046	10.501	10.211
# 3	9.966	10.284	10.176	10.632	10.196
Mean	9.914	10.219	10.107	10.549	10.224

# 2	9.880	10.255	10.046	10.501	10.211
# 3	9.966	10.284	10.176	10.632	10.196
Mean	9.914	10.219	10.107	10.549	10.224
%RSD	0.461	0.872	0.645	0.682	0.348

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DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:53:18 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	9.953	0.008	0.002	0.001	0.002	0.007	0.006
# 2	9.960	0.001	0.002	0.001	0.003	0.006 L	-0.019
# 3	10.151 L	-0.014	0.001	0.001 L	-0.003	0.005 L	-0.008
Mean	10.021 L	-0.002	0.002	0.001	0.001	0.006 L	-0.007
%RSD	1.120	687.374	31.115	21.534	454.155	13.262	187.941

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.003	0.000	0.003	0.011	0.000 L	-0.002 L	-0.006
# 2	0.005 L	-0.001	0.004	0.015	0.001	0.005 L	-0.021
# 3 L	-0.004 L	-0.004	0.012 L	-0.005	0.000 L	-0.005 L	-0.036
Mean	0.001 L	-0.002	0.007	0.007	0.001 L	-0.000 L	-0.021
%RSD	366.512	123.423	78.184	148.364	32.250	1186.219	73.376

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.082 L	-0.051	0.002	0.616	0.015
# 2	0.079 L	-0.019	0.001	0.591	0.007
# 3	0.086 L	-0.033	0.001	0.602	0.000
Mean	0.082 L	-0.035	0.001	0.603	0.007
%RSD	4.162	45.853	52.915	2.078	103.760

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 4:56:52 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.003 L	-0.002	0.001	0.000 L	-0.001	0.007 L	-0.013
# 2 L	-0.004 L	-0.007	0.000 L	-0.000 L	-0.000	0.003 L	-0.010
# 3 L	-0.005 L	-0.009 L	-0.000 L	-0.000 L	-0.000	0.002 L	-0.020
Mean L	-0.004 L	-0.006	0.000 L	-0.000 L	-0.001	0.004 L	-0.014
%RSD	30.027	65.466	166.458	114.564	90.368	75.180	36.655

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.001 L	-0.003 L	-0.008 L	-0.007 L	-0.000 L	-0.010 L	-0.011
# 2 L	-0.005 L	-0.004 L	-0.002 L	-0.021 L	-0.000 L	-0.002 L	-0.014
# 3 L	-0.006 L	-0.004 L	-0.002 L	-0.028 L	-0.000 L	-0.006	0.006
Mean L	-0.004 L	-0.004 L	-0.004 L	-0.018 L	-0.000 L	-0.006 L	-0.006
%RSD	67.158	16.641	88.588	58.750	72.414	60.090	163.188

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.027 L	-0.033	0.007	0.600	0.003
# 2	0.013 L	-0.030 L	-0.001	0.603	0.001
# 3	0.003 L	-0.039 L	-0.000	0.593 L	-0.003
Mean	0.014 L	-0.034	0.002	0.599	0.000
%RSD	82.111	13.015	205.776	0.857	2297.620

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11021-6 1:10 Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:00:30 PM October 15, 1996

Identity : 11021-6 Identity2 : 1101596D1/LB8/ Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:00:30 PM October 15, 1996

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	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.007 L	-0.026	0.004 L	-0.001 L	-0.001	0.009	6.923
# 2 L	-0.003 L	-0.021	0.005 L	-0.001 L	-0.001	0.010	6.835
# 3 L	-0.004 L	-0.014	0.005 L	-0.001 L	-0.001	0.005	6.810
Mean L	-0.005 L	-0.020	0.005 L	-0.001 L	-0.001	0.008	6.856
%RSD	41.985	30.199	9.339	14.783	35.660	30.994	0.865

	Cr2	Cu1	Fe1	Mg1	Mn1	Ni1	Pb1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
# 1	6.934 L	-0.005 L	-0.007	1.063 L	-0.000 L	-0.012	0.013
# 2	6.862 L	-0.002 L	-0.003	1.070 L	-0.000 L	-0.009 L	-0.012
# 3	6.824 L	-0.003 L	-0.011	1.067 L	-0.001 L	-0.009	0.021
Mean	6.873 L	-0.003 L	-0.007	1.067 L	-0.000 L	-0.010	0.007
%RSD	0.813	32.158	61.337	0.306	110.352	16.219	230.757

	Sb1	Tl1	V 1	Y	Zn1
	ppm	ppm	ppm	ppm	ppm
# 1 L	-0.006 L	-0.058 L	-0.030	7.499	0.053
# 2 L	-0.012 L	-0.043 L	-0.029	7.412	0.056
# 3 L	-0.008 L	-0.051 L	-0.024	7.387	0.055
Mean L	-0.009 L	-0.051 L	-0.028	7.433	0.055
%RSD	32.861	15.637	11.565	0.791	2.478

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DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-1 Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:04:10 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.005	0.137	0.257	0.000 L	-0.004	0.028	0.004
# 2 L	-0.003	0.137	0.257	0.000 L	-0.004	0.024	0.002
# 3 L	-0.002	0.142	0.256	0.000 L	-0.006	0.024	0.001
Mean L	-0.003	0.139	0.257	0.000 L	-0.005	0.025	0.002
%RSD	30.316	2.026	0.202	86.603	26.160	8.683	74.786

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.005 L	-0.003	1.373	13.554	0.200	0.030 L	-0.004
# 2 L	-0.001 L	-0.002	1.369	13.526	0.200	0.029 L	-0.017
# 3 L	-0.001 L	-0.002	1.360	13.510	0.200	0.030	0.014
Mean L	-0.002 L	-0.002	1.367	13.530	0.200	0.029 L	-0.002
%RSD	104.914	41.022	0.473	0.165	0.084	2.869	718.228

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.049 L	-0.078	0.195	0.643	0.010
# 2	0.058 L	-0.053	0.200	0.641	0.011
# 3	0.051 L	-0.071	0.195	0.640	0.015
Mean	0.053 L	-0.067	0.197	0.641	0.012
%RSD	9.779	18.923	1.434	0.238	23.687

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-3 Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:07:40 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.002 L	-0.048	0.504 L	-0.001 L	-0.001	0.046 L	-0.062
# 2 L	-0.005 L	-0.058	0.509 L	-0.001	0.001	0.045 L	-0.031
# 3	0.000 L	-0.043	0.502 L	-0.001	0.002	0.052 L	-0.040
Mean L	-0.003 L	-0.050	0.505 L	-0.001	0.001	0.048 L	-0.044
%RSD	103.371	15.016	0.726	25.459	168.388	7.466	36.272

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.013 L	-0.004	5.907 H	554.177	0.681 L	-0.012 L	-0.003
# 2 L	-0.016 L	-0.006	5.943 H	560.094	0.686 L	-0.015 L	-0.018
# 3 L	-0.010 L	-0.002	5.916 H	552.396	0.683 L	-0.009	0.001
Mean L	-0.013 L	-0.004	5.922 H	555.556	0.683 L	-0.012 L	-0.007
%RSD	21.347	47.052	0.312	0.725	0.378	24.439	150.467

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.118 L	-0.217	0.006	0.761	0.014
# 2	0.119 L	-0.228 L	-0.000	0.792	0.011
# 3	0.108 L	-0.171	0.003	0.783	0.006
Mean	0.115 L	-0.206	0.003	0.779	0.010
%RSD	5.145	14.667	100.000	2.048	37.599

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10809-4 Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:11:14 PM October 15, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1

Weight : 1.0000 Volume : 1.00
Spooler time : 5:11:14 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 5:11:28 PM October 15, 1996							
# 1 L	-0.003	0.054	0.156 L	-0.002	0.020	0.092 L	-0.049
# 2 L	-0.006	0.049	0.156 L	-0.002	0.019	0.079 L	-0.051
# 3 L	-0.004	0.059	0.157 L	-0.002	0.017	0.085 L	-0.040
Mean L	-0.004	0.054	0.156 L	-0.002	0.018	0.085 L	-0.047
%RSD	37.516	8.990	0.591	4.385	7.258	7.860	12.444

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.035	0.011	44.336 H	858.324	1.443 L	-0.002	0.022
# 2 L	-0.039	0.009	44.262 H	860.606	1.443 L	-0.009 L	-0.010
# 3 L	-0.033	0.009	44.731 H	864.288	1.455 L	-0.002	0.010
Mean L	-0.036	0.010	44.443 H	861.073	1.447 L	-0.004	0.008
%RSD	8.912	11.162	0.567	0.349	0.459	90.664	209.520

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.196 L	-0.254 L	-0.020	0.864	0.033
# 2	0.206 L	-0.258 L	-0.025	0.862	0.019
# 3	0.208 L	-0.305 L	-0.025	0.873	0.005
Mean	0.203 L	-0.272 L	-0.023	0.866	0.019
%RSD	3.345	10.389	10.974	0.676	73.544

EVOLUTION by Micro-Active Australia Pty Ltd 5:22:26 PM October 15, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 10909-5 Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:14:40 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1 L	-0.003	0.110	0.158 L	-0.002	0.021	0.101 L	-0.029
# 2 L	-0.008	0.079	0.163 L	-0.002	0.020	0.097 L	-0.047
# 3 L	-0.012	0.064	0.164 L	-0.003	0.020	0.099 L	-0.048
Mean L	-0.008	0.084	0.161 L	-0.002	0.020	0.099 L	-0.041
%RSD	58.727	28.105	1.865	26.014	3.889	2.056	26.421

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.024	0.025	47.027 H	817.350	1.403 L	-0.000 L	-0.006
# 2 L	-0.029	0.020	49.056 H	850.279	1.461	0.004 L	-0.025
# 3 L	-0.037	0.016	49.267 H	859.407	1.465 L	-0.002 L	-0.040
Mean L	-0.030	0.020	48.450 H	842.345	1.443	0.001 L	-0.024
%RSD	22.043	22.018	2.552	2.626	2.375	523.026	71.381

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.266 L	-0.295 L	-0.010	0.885	0.029
# 2	0.245 L	-0.315 L	-0.012	0.868	0.026
# 3	0.237 L	-0.326 L	-0.016	0.868	0.020
Mean	0.250 L	-0.312 L	-0.013	0.874	0.025
%RSD	6.034	5.013	27.226	1.123	18.351

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11351-1 Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:18:10 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.879 H	207.932	0.035 L	-0.001	0.048	0.053	0.078
# 2	0.880 H	208.518	0.035 L	-0.001	0.045	0.055	0.076
# 3	0.869 H	206.943	0.035 L	-0.001	0.045	0.047	0.079
Mean	0.876 H	207.798	0.035 L	-0.001	0.046	0.052	0.077
%RSD	0.746	0.383	1.044	39.111	3.057	8.061	1.989

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.073	0.009 H	142.914	3.956	1.126	0.042 L	-0.039
# 2	0.069	0.007 H	143.612	3.942	1.131	0.044 L	-0.012
# 3	0.066	0.005 H	142.246	3.914	1.122	0.042 L	-0.002
Mean	0.069	0.007 H	142.924	3.937	1.126	0.043 L	-0.018
%RSD	4.722	29.302	0.478	0.547	0.382	3.179	109.042

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.037	0.067	0.004	0.690	0.059
# 2	0.045	0.069	0.006	0.688	0.051
# 3	0.040	0.074	0.005	0.691	0.054
Mean	0.041	0.070	0.005	0.690	0.055
%RSD	9.986	5.217	11.111	0.221	6.988

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : 11351-2 Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:21:42 PM October 15, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1

Weight : 1.0000 Volume : 1.00
Spooler time : 5:21:42 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
EVOLUTION by Micro-Active Australia Pty Ltd 5:22:28 PM October 15, 1996							
# 1	0.041	1.673	0.018 L	-0.001	0.002	0.017 L	-0.015
# 2	0.040	1.847	0.016 L	-0.001	0.000	0.022 L	-0.032
# 3	0.039	1.766	0.017 L	-0.001	0.003	0.014 L	-0.033
Mean	0.040	1.762	0.017 L	-0.001	0.002	0.018 L	-0.027
%RSD	2.384	4.916	4.124	28.364	85.406	21.001	38.063

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.004	0.010	0.013	5.240	0.003	0.011 L	-0.015
# 2 L	-0.007	0.007	0.018	5.220	0.002	0.009 L	-0.015
# 3 L	-0.005	0.007	0.020	5.193	0.002	0.007 L	-0.007
Mean L	-0.005	0.008	0.017	5.218	0.003	0.009 L	-0.012
%RSD	25.918	21.888	21.701	0.455	8.249	26.298	38.848

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.029 L	-0.008 L	-0.002	0.609 L	-0.002
# 2	0.054 L	-0.019 L	-0.007	0.592 L	-0.012
# 3	0.060 L	-0.003 L	-0.005	0.591 L	-0.008
Mean	0.048 L	-0.010 L	-0.005	0.597 L	-0.008
%RSD	34.479	78.823	57.026	1.694	61.919

EVOLUTION by Micro-Active Australia Pty Ltd 5:32:26 PM October 15, 1996

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSA Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:25:12 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.001 H	498.562	0.010 L	-0.001	0.067	0.054 L	-0.043
# 2 L	-0.002 H	498.409	0.010 L	-0.001	0.064	0.053 L	-0.034
# 3 L	-0.001 H	493.196	0.010 L	-0.001	0.060	0.050 L	-0.041
Mean L	-0.001 H	496.722	0.010 L	-0.001	0.064	0.052 L	-0.039
%RSD	267.501	0.615	1.887	14.783	5.146	3.894	12.038

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.007	0.002 H	183.711 H	477.183	0.015 L	-0.017 L	-0.047
# 2 L	-0.009 L	-0.001 H	182.752 H	477.039	0.016 L	-0.021 L	-0.025
# 3 L	-0.010 L	-0.001 H	181.168 H	472.567	0.015 L	-0.018 L	-0.033
Mean L	-0.009 L	-0.000 H	182.544 H	475.596	0.016 L	-0.018 L	-0.035
%RSD	16.864	1690.414	0.704	0.552	3.881	10.149	32.643

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-0.076 L	-0.163 L	-0.014	0.759	0.035
# 2 L	-0.080 L	-0.212 L	-0.015	0.768	0.030
# 3 L	-0.063 L	-0.174 L	-0.008	0.761	0.032
Mean L	-0.073 L	-0.183 L	-0.012	0.763	0.032
%RSD	12.503	14.098	31.594	0.620	8.676

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : ICSAB Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:28:44 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.984 H	511.555	0.513	0.498	1.059	0.537	0.456
# 2	0.971 H	500.364	0.501	0.487	1.031	0.532	0.469
# 3	0.974 H	502.878	0.504	0.490	1.038	0.522	0.465
Mean	0.976 H	504.932	0.506	0.492	1.043	0.530	0.463
%RSD	0.667	1.163	1.222	1.101	1.379	1.391	1.507

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	0.483	0.489 H	185.601 H	490.276	0.505	0.970	0.954
# 2	0.484	0.480 H	181.598 H	479.286	0.495	0.943	0.899
# 3	0.476	0.485 H	182.166 H	481.879	0.501	0.962	0.915
Mean	0.481	0.485 H	183.122 H	483.814	0.501	0.958	0.923
%RSD	0.868	0.930	1.183	1.187	1.056	1.426	3.054

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1 L	-0.099 L	-0.128	0.506	1.265	1.040
# 2 L	-0.100 L	-0.134	0.498	1.278	1.017
# 3 L	-0.103 L	-0.124	0.504	1.274	1.035
Mean L	-0.101 L	-0.129	0.503	1.272	1.031
%RSD	2.001	3.846	0.869	0.523	1.150

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVA Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:32:16 PM October 15, 1996

	Ag1	Al1	Ba1	Be1	Cd1	Co1	Cr1

Weight : 1.0000 Volume : 1.00
Spooler time : 5:32:16 PM October 15, 1996

Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm

EVOLUTION by Micro-Active Australia Pty Ltd 5:40:04 PM October 15, 1996

# 1	0.002	26.278	10.129	10.268	10.411	10.356	10.188
# 2	0.006	25.968	9.961	10.104	10.336	10.192	10.033
# 3	0.007	26.121	10.028	10.193	10.412	10.319	10.186
Mean	0.005	26.122	10.039	10.188	10.386	10.289	10.136
%RSD	57.985	0.593	0.843	0.802	0.423	0.836	0.879

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1	10.239	10.299	24.937	25.646	10.359	10.428	10.438
# 2	10.094	10.122	24.586	25.219	10.202	10.270	10.208
# 3	10.183	10.183	24.827	25.356	10.275	10.368	10.325
Mean	10.172	10.201	24.783	25.407	10.279	10.355	10.324
%RSD	0.720	0.881	0.724	0.859	0.762	0.771	1.114

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	10.080	10.476	10.348	10.805	10.497
# 2	9.956	10.251	10.188	10.651	10.379
# 3	10.073	10.357	10.257	10.803	10.345
Mean	10.036	10.361	10.265	10.753	10.407
%RSD	0.695	1.087	0.782	0.822	0.771

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCVB Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:36:10 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	10.113 L	-0.019	0.003	0.001	0.002	0.006	0.003
# 2	10.051 L	-0.028	0.003	0.001	0.003	0.010	0.008
# 3	10.145 L	-0.011	0.003	0.001	0.005	0.011	0.013
Mean	10.103 L	-0.020	0.003	0.001	0.003	0.009	0.008
%RSD	0.474	43.899	2.624	8.108	48.292	28.351	60.003

	Cr2 ppm	Cu1 ppm	Fe1 ppm	Mg1 ppm	Mn1 ppm	Ni1 ppm	Pb1 ppm
# 1 L	-0.007 L	-0.005	0.001	0.016	0.001 L	-0.004	0.005
# 2 L	-0.007 L	-0.003	0.000	0.010	0.000 L	-0.006	0.010
# 3 L	-0.009 L	-0.002 L	-0.003	0.028	0.000 L	-0.007 L	-0.008
Mean L	-0.007 L	-0.003 L	-0.000	0.018	0.001 L	-0.006	0.002
%RSD	13.515	32.158	437.589	50.616	74.129	25.524	420.353

	Sb1 ppm	Tl1 ppm	V 1 ppm	Y ppm	Zn1 ppm
# 1	0.064 L	-0.004	0.006	0.624	0.007
# 2	0.072 L	-0.023	0.005	0.629	0.001
# 3	0.072 L	-0.040	0.004	0.634 L	-0.003
Mean	0.069 L	-0.022	0.005	0.629	0.002
%RSD	7.283	82.914	22.709	0.795	286.499

DILUTION CORRECTED CONCENTRATIONS
Identity 1 : CCB Identity 2 : 101596DI,LSS,, Type : SAMPLE
Weight : 1.0000 Volume : 1.00
Spooler time : 5:39:50 PM October 15, 1996

	Ag1 ppm	Al1 ppm	Ba1 ppm	Be1 ppm	Cd1 ppm	Co1 ppm	Cr1 ppm
# 1	0.001 L	-0.014	0.002 L	-0.000	0.002	0.002	0.012
# 2	0.001 L	-0.009	0.001 L	-0.000	0.001	0.006 L	-0.013
# 3	0.002 L	-0.011	0.001 L	-0.000	0.000	0.001 L	-0.012
Mean	0.001 L	-0.011	0.002 L	-0.000	0.001	0.003 L	-0.004
%RSD	47.871	21.428	24.661	17.321	91.513	85.714	353.816

# 2	0.003 L	-0.009	0.001 L	-0.000	0.001	0.006 L	-0.013
# 3	0.002 L	-0.011	0.001 L	-0.000	0.000	0.001 L	-0.012
Mean	0.001 L	-0.011	0.002 L	-0.000	0.001	0.003 L	-0.004
%RSD	47.871	21.428	24.661	17.321	91.513	85.714	353.816

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 214-238-5591
Fax. 214-238-5592

FURNACE

1157

Varian SpectrAA 300/400 Zeeman
QC Protocol Report

INCHCAPE TESTING SERVICES
NDRC LABORATORY-DALLAS
FURNACE #3

ANALYST 10-14-96 DATE
REVIEW 10/14/96 DATE
DATA ENTRY 10-14-96 DATE
ANALYTE INST.#

OPERATOR	MARTY
DATE	10-14-96
BATCH	AS

QC PROTOCOL PARAMETERS

IF THERE IS AN ERROR	FLAG AND CONTINUE
QC SPIKE POSITION	52
RECOVERY LIMITS (%)	85 TO 115
RECOVERY MINIMUM LIMIT (%)	40
CORRELATION COEFFICIENT (r)	0.995
OVERRANGE VOLUME REDUCTION	5
REPLICATE RSD LIMIT (%)	20.0

Std. Lot #: AB708-214 Modifier Lot #: AB708-69A

ICV Lot #: AB708-21I CCV Lot #: AB708-214

LCS & MS/MSD Lot #: 690619

PROGRAM 1 As PLAT.3PT,Pd

INSTRUMENT MODE	ABSORBANCE
CALIBRATION MODE	CONCENTRATION
MEASUREMENT MODE	PEAK AREA
LAMP POSITION	7
LAMP CURRENT (mA)	7
SLIT WIDTH (nm)	0.2
SLIT HEIGHT	NORMAL
WAVELENGTH (nm)	193.7
SAMPLE INTRODUCTION	SAMPLER AUTOMIXING
TIME CONSTANT	0.05
MEASUREMENT TIME (sec)	1.0
REPLICATES	1
BACKGROUND CORRECTION	ON
MAXIMUM ABSORBANCE	0.95

FURNACE PARAMETERS

STEP NO.	TEMPERATURE (C)	TIME (sec)	GAS FLOW (L/min)	GAS TYPE	READ COMMAND
1	200	8.0	3.0	NORMAL	NO
2	200	•10.0	3.0	NORMAL	NO
3	1300	10.0	3.0	NORMAL	NO
4	1300	10.0	0.0	NORMAL	NO
5	2400	0.7	0.0	NORMAL	YES
6	2400	4.0	0.0	NORMAL	YES
7	2500	3.0	3.0	NORMAL	NO

SAMPLER PARAMETERS

VOLUMES (fL)

	SOLUTION	BLANK	MODIFIER
BLANK	--	20	5
STANDARD 1	1	19	5
STANDARD 2	2	18	5
STANDARD 3	6	14	5
STANDARD 4	12	8	5
SAMPLE	20	0	5

RECALIBRATION RATE 0
RESLOPE RATE 0

MULTIPLE INJECT NO HOT INJECT YES PRE INJECT NO
TEMPERATURE 85
INJECT RATE 10

QC PROTOCOL PARAMETERS

QC STANDARD RATE	20
QC INITIAL STANDARD POSITION	48
QC INITIAL BLANK POSITION	51
QC CONTINUING STANDARD POSITION	49
QC CONTINUING BLANK POSITION	51
QC STANDARD VOLUME (fL)	20
QC STANDARD CONCENTRATION	25.0 PPB
QC STANDARD LIMITS (%)	80 TO 120
QC SPIKE RATE	1
QC SPIKE VOLUME (fL)	4
QC SPIKE CONCENTRATION	100.0 PPB
MATRIX SPIKE CONCENTRATION	0.0 PPB
INSTRUMENT DETECTION LIMIT	1.0 PPB
REQUIRED DETECTION LIMIT	10.0 PPB

ANALYST 10-14-96 DATE
REVIEW 10/14/96 DATE
DATA ENTRY 10-14-96 DATE
ANALYTE 3 INST.#

CONDITIONS FOR As :
Alternative Wavelengths (nm) : 197.2
Spectral Bandwidths (nm) : 1.0
Maximum Ash Temperature : 1500xC
Recommended Atomize Temperature : 2600xC
Recommended Chemical Modifiers :
Palladium Chloride (10fL of 500fg/mL), or Palladium solution (500-2000fg/mL) plus reducing agent such as ascorbic acid, or Nickel Nitrate solution (50fg/mL).
Response with Argon : 10fL of 50ng/mL gives about 0.2 Abs. (using Pd modifier)
Modifiers allow higher ash temperatures and enhance signals.
Without modifier, maximum ash temperature for AS is 300xC and atomize temperature is 2300xC.
Use of a multi-element lamp may require a different slit width, lamp current and wavelength to isolate the analytical line.

PROGRAM 1 As PLAT.3PT,Pd QC ZEEMAN
BLANK REPLICATE 1
ABSORBANCE CONCENTRATION SAMPLER AUTOMIX
PEAK AREA MAX.ABS. 0.95 BC ON

AUTOMATIC RUN PAUSED PRINTING

SAMPLE LABELS

1. 10PPB STD	2. 10940-1MS	3. 10940-1MD
4. 11304-4D:25	5. 11304-7 1:2	6. PB,TS:14746
7. LCS	8. 10809-3	9. 10809-3D
10. 10809-3MS	11. 10809-3MD	12. 10809-1
13. 10809-4	14. 10809-5	15. PB,DS:
16. LCS	17. 10809-3	18. 10809-3D
19. 10809-3MS	20. 10809-3MD	21. 10809-1
22. 10809-4	23. 10809-5	24. PB,TS:14986
25. LCS	26. 11352-1	27. 11352-1D
28. 11352-1MS	29. 11352-1MD	30. 11341-1
31. 11341-3	32. 11341-4	33. 11341-5
34. 11341-6	35. 11341-7	36. 11341-8
37. 11317-1	38. 11317-2	39. 11317-3
40. 11317-4	41. 11335-1	42. 11335-2
43. 11339-1	44. 11339-2	45. 11339-3

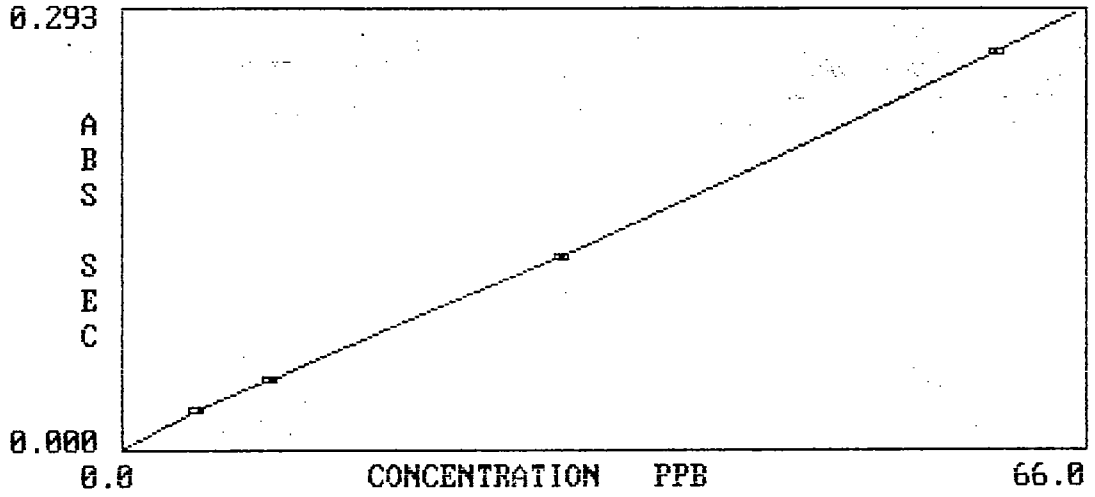
F INCREMENT LABELS 1

F CALIBRATION 5

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
BLANK QC	0.0		0.035	0.035 14Oct96 05:33 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	5.0	0.0	0.007	0.007 14Oct96 05:35
BLANK QC	0.0		-0.015	-0.015 14Oct96 05:38 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		-0.012	-0.012 14Oct96 05:41 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		0.015	0.015 14Oct96 05:45 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	5.0	0.0	0.022	0.022 14Oct96 05:47
BLANK QC	0.0		-0.006	-0.006 14Oct96 05:51 CONCENTRATION LESS THAN IDL

ANALYST 10/14/96 DATE
REVIEW 10/14/96 DATE
DATA ENTRY 10-14-96 DATE
ANALYTE INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS	
STANDARD 1 QC	5.0	0.0	0.025	0.025 14Oct96	05:53
STANDARD 2 QC	10.0	0.0	0.045	0.045 14Oct96	05:55
STANDARD 3 QC	30.0	0.0	0.129	0.129 14Oct96	05:58
STANDARD 4 QC	60.0	0.0	0.266	0.266 14Oct96	06:00



corr = 0.799

ANALYST 10/14/96 DATE
REVIEW 10/14/96 DATE
DATA ENTRY 10-14-96 DATE
ANALYTE 3 INST. #

ICV QC 40ppb	39.6	0.0	0.172	0.172 14Oct96 %R =	06:02 ~~158.4~~ 99.0 10-14-96
ICB QC	1.7	0.0	0.008	0.008 14Oct96 ABS =	06:04 0.012
10PPB STD QC	10.4	0.0	0.047	0.047 14Oct96	06:06 104/ne
QSPIKE A	30.6	0.0	0.132	0.132 14Oct96 %R =	06:09 101.2

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS		
CCV 1 QC 25 ppb	24.9	0.0	0.108	0.108 140ct96 06:11 %R = 99.6		
CCB 1 QC Stun 14736	-0.6	0.0	-0.003	-0.003 140ct96 06:13 ABS = 0.001 CONCENTRATION LESS THAN IDL		
10940-1MS QC 40 ppb	35.0	0.0	0.151	0.151 140ct96 06:15	88.1 %rec	38.9 ug/L
QCSPIKE A QC	49.3	0.0	0.216	0.216 140ct96 06:17 %R = 71.6 %R FAILED, REPEAT BY STANDARD ADDITIONS	3.23 %rec	
10940-1MD QC 40 ppb	34.0	0.0	0.147	0.147 140ct96 06:19	85.3 %rec	37.8 ug/L
QCSPIKE A QC	47.7	0.0	0.209	0.209 140ct96 06:21 %R = 68.2 %R FAILED, REPEAT BY STANDARD ADDITIONS		
11304-4D:25 QC	30.6	0.0	0.131	0.131 140ct96 06:23		850.0 ug/L
QCSPIKE A QC	50.4	0.0	0.221	0.221 140ct96 06:25 %R = 99.0		
11304-7 1:2 QC	5.6	0.0	0.028	0.028 140ct96 06:27		12.4 ug/L
QCSPIKE A QC	28.3	0.0	0.122	0.122 140ct96 06:30 %R = 113.3		
PB,T$:14746 QC 10 ug/L	0.9	0.0	0.004	0.004 140ct96 06:31 CONCENTRATION LESS THAN IDL		C
QCSPIKE A QC	22.1	0.0	0.096	0.096 140ct96 06:34 %R = 110.4		
LCS QC 40 ppb	40.0	0.0	0.174	0.174 140ct96 06:36	100 %rec	40.0 ug/L
QCSPIKE A QC	59.6	0.0	0.265	0.265 140ct96 06:38 %R = 98.1		
10809-3 QC	5.9	0.0	0.029	0.029 140ct96 06:40		5.9 ug/L

ANALYST VK 10/14/96 DATE
REVIEW 10/14/96 DATE
DATA ENTRY 10/14-96 DATE
ANALYTE 3 INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	19.4	0.0 W	0.085	0.085 14Oct96 06:42 %R = 67.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3D QC	4.2	0.0	0.021	0.021 14Oct96 06:44
QCSPIKE A QC	17.4	0.0 W	0.077	0.077 14Oct96 06:46 %R = 65.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3MS QC	28.1	0.0	0.121	0.121 14Oct96 06:48
QCSPIKE A QC	41.8	0.0	0.182	0.182 14Oct96 06:50 %R = 68.3 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-3MD QC	26.2	0.0	0.113	0.113 14Oct96 06:52
QCSPIKE A QC	41.7	0.0	0.181	0.181 14Oct96 06:55 %R = 78.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
CCV 2 QC	23.8	0.0	0.103	0.103 14Oct96 06:57 %R = 95.2
CCB 2 QC	0.0	0.0	0.000	0.000 14Oct96 06:59 ABS = 0.004 CONCENTRATION LESS THAN IDL
10809-1 QC	19.6	0.0	0.086	0.086 14Oct96 07:01
QCSPIKE A QC	37.3	0.0	0.161	0.161 14Oct96 07:03 %R = 88.4
10809-4 QC	14.5	0.0	0.065	0.065 14Oct96 07:05
QCSPIKE A QC	28.6	0.0	0.123	0.123 14Oct96 07:07 %R = 70.1 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-5 QC	8.8	0.0	0.041	0.041 14Oct96 07:09
QCSPIKE A QC	23.4	0.0	0.102	0.102 14Oct96 07:11 %R = 72.9 %R FAILED. REPEAT BY STANDARD ADDITIONS

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
PB,DS (NIAGAR) QC	-0.0	0.0	-0.000	-0.000 14Oct96 07:13 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.7	0.0	0.095	0.095 14Oct96 07:15 %R = 108.4
LCS QC 25 ppb	25.3	0.0	0.110	0.110 14Oct96 07:17 101 %/ma 25.3 ug/L
QCSPIKE A QC 10-14-96	45.3	0.0	0.198	0.198 14Oct96 07:20 %R = 99.9
RWMS ~~10809-3~~ QC 25 ppb	25.2	0.0	0.109	0.109 14Oct96 07:22 101 %/ma 25.2 ug/L
QCSPIKE A QC 10-14-96	44.8	0.0	0.195	0.195 14Oct96 07:24 %R = 98.0 8.53 %/mpm
RWMD ~~10809-3D~~ QC 25 ppb	27.6	0.0	0.119	0.119 14Oct96 07:26 110 %/ma 27.6 ug/L
QCSPIKE A QC	45.9	0.0	0.200	0.200 14Oct96 07:28 %R = 91.6
10809-3MS QC	3.2	0.0	0.016	0.016 14Oct96 07:30
QCSPIKE A QC	18.0	0.0 W	0.080	0.080 14Oct96 07:33 %R = 74.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
BLANK QC	0.0		0.005	0.005 14Oct96 07:36 CONCENTRATION LESS THAN IDL
CCV 3 QC 25 ppb	26.3	0.0	0.114	0.114 14Oct96 07:38 %R = 105.2
CCB 3 QC	0.6	0.0	0.003	0.003 14Oct96 07:40 ABS = 0.008 CONCENTRATION LESS THAN IDL
10809-3 QC	4.3	0.0	0.022	0.022 14Oct96 07:42 4.3 ug/L
QCSPIKE A QC	20.4	0.0 W	0.090	0.090 14Oct96 07:45 %R = 80.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
10809-3D QC	2.3	0.0	0.012	0.012 14Oct96 07:47
QCSPIKE A QC	20.1	0.0	0.088	0.088 14Oct96 07:49 %R = 88.9
10809-1 QC	28.7	0.0	0.124	0.124 14Oct96 07:51
QCSPIKE A QC	45.5	0.0	0.199	0.199 14Oct96 07:53 %R = 83.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-4 QC	2.6	0.0	0.013	0.013 14Oct96 07:55
QCSPIKE A QC	19.2 W	0.0	0.085	0.085 14Oct96 07:58 %R = 83.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 QC	1.4	0.0	0.007	0.007 14Oct96 08:00
QCSPIKE A QC	18.6	0.0	0.082	0.082 14Oct96 08:02 %R = 86.3
PB,TS:14986 QC	0.8	0.0	0.004	0.004 14Oct96 08:04 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.9	0.0	0.092	0.092 14Oct96 08:06 %R = 104.5
LCS QC	40.0	0.0	0.174	0.174 14Oct96 08:08
QCSPIKE A QC	56.7	0.0	0.251	0.251 14Oct96 08:10 %R = 83.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
11352-1 QC	1.9	0.0	0.009	0.009 14Oct96 08:13
QCSPIKE A QC	21.4	0.0	0.093	0.093 14Oct96 08:15 %R = 97.5
11352-1D QC	1.3	0.0	0.007	0.007 14Oct96 08:17
QCSPIKE A QC	22.9	0.0	0.100	0.100 14Oct96 08:19 %R = 107.7

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11352-1MS QC 4ppm 0.504/50	40.2	0.0	0.174	0.174 14Oct96 08:21 95.0%rec 3988.1 ug/kg
QCSPIKE A QC	55.0	0.0	0.243	0.243 14Oct96 08:23 %R = 74.3 %R FAILED, REPEAT BY STANDARD ADDITIONS
CCV 4 QC 25ppb	26.5	0.0	0.115	0.115 14Oct96 08:25 %R = 106.1
CCB 4 QC	1.7	0.0	0.008	0.008 14Oct96 08:27 ABS = 0.013
11352-1MD QC 4ppm 0.501/50	39.0	0.0	0.169	0.169 14Oct96 08:29 2.56%rec 92.6%rec 3892.2 ug/kg
QCSPIKE A QC	56.2	0.0	0.248	0.248 14Oct96 08:32 %R = 86.2
11341-1 QC	45.4	0.0	0.198	0.198 14Oct96 08:34
QCSPIKE A QC	51.8 E	0.0	0.228	0.228 14Oct96 08:36 %R = 31.9 %R LESS THAN MINIMUM LIMIT
11341-3 QC 0.509/50	28.0	0.0	0.120	0.120 14Oct96 08:38 2250.5 ug/kg
QCSPIKE A QC	48.0	0.0	0.210	0.210 14Oct96 08:40 %R = 100.4
11341-4 QC	OVER	0.0	0.612	0.612 14Oct96 08:42
11341-4 QC 0.501/50	173.7	0.0	0.150	0.150 14Oct96 08:44 DF = 5.00 17335.3 ug/kg
QCSPIKE A QC	269.8	0.0	0.238	0.238 14Oct96 08:46 DF = 5.00 %R = 96.0
11341-5 QC	OVER	0.0	0.982*	0.982* 14Oct96 08:48
11341-5 QC	295.9	0.0	0.262	0.262 14Oct96 08:49 DF = 5.00

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	OVER DE	0.0	0.332	0.332 140ct96 08:51 DF = 5.00 %R = -295.9 REDUCED SAMPLE VOLUME LESS THAN 1 mL
11341-6 QC	OVER	0.0	1.584*	1.584* 140ct96 08:53
11341-6 QC	OVER D	0.0	0.492	0.492 140ct96 08:55 DF = 5.00 REDUCED SAMPLE VOLUME LESS THAN 1 mL
QCSPIKE A QC	OVER DE	0.0	0.560	0.560 140ct96 08:57 DF = 5.00 %R = 0.0 REDUCED SAMPLE VOLUME LESS THAN 1 mL
11341-7 QC	OVER	0.0	0.652	0.652 140ct96 08:59
11341-7 QC 0.502 / 50	175.9	0.0	0.152	0.152 140ct96 09:00 DF = 5.00
QCSPIKE A QC	281.8	0.0	0.249	0.249 140ct96 09:02 DF = 5.00 %R = 105.9
11341-8 QC	45.4	0.0	0.198	0.198 140ct96 09:04
QCSPIKE A QC	OVER	0.0	0.293	0.293 140ct96 09:07
CCV 5 QC 25 ppb	25.2	0.0	0.109	0.109 140ct96 09:09 %R = 100.7
CCB 5 QC	1.1	0.0	0.006	0.006 140ct96 09:11 ABS = 0.010
11341-8 QC 0.504 / 50	55.7	0.0	0.050	0.050 140ct96 09:12 DF = 5.00
QCSPIKE A QC	158.0	0.0	0.136	0.136 140ct96 09:14 DF = 5.00 %R = 102.3
11317-1 QC	OVER	0.0	0.558B	0.558B 140ct96 09:16

1342.1 ug/L

5525.8 ug/L

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11317-1 QC	79.9	0.0	0.071	0.071 140ct96 09:18 DF = 5.00
QCSPIKE A QC	197.6	0.0	0.171	0.171 140ct96 09:20 DF = 5.00 %R = 117.7 %R FAILED, REPEAT BY STANDARD ADDITIONS
11317-2 QC	58.6	0.0	0.260	0.260 140ct96 09:22
QCSPIKE A QC	OVER	0.0	0.321	0.321 140ct96 09:24
QCSPIKE A QC	166.9	0.0	0.144	0.144 140ct96 09:26 DF = 5.00
11317-2 QC 0.506/50	53.9	0.0	0.048	0.048 140ct96 09:28 DF = 5.00
QCSPIKE A QC	167.0	0.0	0.144	0.144 140ct96 09:30 DF = 5.00 %R = 113.2
11317-3 QC	OVER	0.0	0.296	0.296 140ct96 09:32
11317-3 QC	70.0	0.0	0.062	0.062 140ct96 09:34 DF = 5.00
QCSPIKE A QC	188.2	0.0	0.163	0.163 140ct96 09:36 DF = 5.00 %R = 118.3 %R FAILED, REPEAT BY STANDARD ADDITIONS
11317-4 QC	63.2	0.0	0.282	0.282 140ct96 09:38
11317-4 QC 0.509/50	72.6	0.0	0.065	0.065 140ct96 09:39 DF = 5.00
QCSPIKE A QC	181.0	0.0	0.156	0.156 140ct96 09:41 DF = 5.00 %R = 108.4
11335-1 QC	58.5	0.0	0.259	0.259 140ct96 09:43

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5326.1 ug/kg

7131.6 ug/kg

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	OVER	0.0	0.320	0.320 14Oct96 09:46
QCSPIKE A QC	168.7	0.0	0.145	0.145 14Oct96 09:48 DF = 5.00
CCV 6 QC	25.7	0.0	0.111	0.111 14Oct96 09:50 %R = 102.9
CCB 6 QC	0.6	0.0	0.003	0.003 14Oct96 09:52 ABS = 0.008 CONCENTRATION LESS THAN IDL
11335-1 QC	53.4	0.0	0.048	0.048 14Oct96 09:54 DF = 5.00
QCSPIKE A QC	169.0 W	0.0	0.146	0.146 14Oct96 09:56 DF = 5.00 %R = 115.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11335-2 QC	OVER	0.0	0.643B	0.643B 14Oct96 09:58
11335-2 QC 0.511/50	88.1	0.0	0.078	0.078 14Oct96 09:59 DF = 5.00
QCSPIKE A QC	192.0	0.0	0.166	0.166 14Oct96 10:01 DF = 5.00 %R = 103.8
11339-1 QC	OVER	0.0	0.318	0.318 14Oct96 10:03
11339-1 QC 0.566/50	83.7	0.0	0.074	0.074 14Oct96 10:05 DF = 5.00
QCSPIKE A QC	189.4	0.0	0.164	0.164 14Oct96 10:07 DF = 5.00 %R = 105.8
11339-2 QC	63.9	0.0	0.285	0.285 14Oct96 10:09
11339-2 QC 0.580/50	88.8	0.0	0.078	0.078 14Oct96 10:11 DF = 5.00

8620.4 ug/kg

8300.0 ug/kg

8305.9 ug/kg

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	183.4	0.0	0.158	0.158 14Oct96 10:13 DF = 5.00 %R = 94.6
11339-3 QC	OVER	0.0	0.333	0.333 14Oct96 10:15
11339-3 QC 0.508/50	85.3	0.0	0.075	0.075 14Oct96 10:17 DF = 5.00 8395.7 ug/kg
QCSPIKE A QC	181.4	0.0	0.157	0.157 14Oct96 10:19 DF = 5.00 %R = 96.0
BLANK QC	0.0		0.000	0.000 14Oct96 10:23 CONCENTRATION LESS THAN IDL
CCV ~~8~~ QC 25 ug/kg	24.4	0.0	0.106	0.106 14Oct96 10:25 %R = 97.7
CCB ~~8~~ QC	1.4	0.0	0.007	0.007 14Oct96 10:27 ABS = 0.012
10940-1MS QC	34.5	0.0	0.149	0.149 14Oct96 10:29
BLANK QC	0.0		-0.010	-0.010 14Oct96 11:15 CONCENTRATION LESS THAN IDL
CCV ~~9~~ 8 QC	25.0	0.0	0.109	0.109 14Oct96 11:17 %R = 100.1
CCB ~~9~~ 8 QC	0.6	0.0	0.003	0.003 14Oct96 11:19 ABS = 0.006 CONCENTRATION LESS THAN IDL
PB,TS:14987 QC 0.500/50	0.6	0.0	0.003	0.003 14Oct96 11:21 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.4	0.0	0.089	0.089 14Oct96 11:23 %R = 101.8
LCS 1:100 QC 4ppm 500ppm	41.7	0.0	0.181	0.181 14Oct96 11:25 83.4 ~~104~~ 10/14/96 417000 ug/kg
QCSPIKE A QC	58.3	0.0	0.258	0.258 14Oct96 11:28 %R = 83.0 %R FAILED. REPEAT BY STANDARD ADDITIONS

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS			
1[illegible]6-1 QC 0.507/50	23.6	0.0	0.103	0.103 14Oct96	11:30		2322.4 ug/l
QCSPIKE A QC	45.0	0.0	0.197	0.197 14Oct96 %R =	11:32 107.2		
10656-1D QC 0.507/50	31.9	0.0	0.137	0.137 14Oct96	11:34	29.9/mm	3146.0 ug/l
QCSPIKE A QC	49.1	0.0	0.215	0.215 14Oct96 %R =	11:36 86.3		
1:100 10656-1MS QC 500ppm 0.501/50	42.8	0.0	0.186	0.186 14Oct96	11:38	85.0/mm	427145.7 ug/l
QCSPIKE A QC	61.4	0.0	0.273	0.273 14Oct96	11:40		
QCSPIKE A QC	145.4	0.0	0.125	0.125 14Oct96 DF =	11:42 5.00		
10656-1MS QC	38.2	0.0	0.036	0.036 14Oct96 DF =	11:44 5.00		
QCSPIKE A QC	151.5	0.0	0.130	0.130 14Oct96 DF = %R =	11:46 5.00 113.3		
1:100 10656-1MD QC 500ppm 0.507/50	48.6	0.0	0.213	0.213 14Oct96	11:48	11.5/mm 95.4/mm	479289.9 ug/l
QCSPIKE A QC	63.8	0.0	0.284	0.284 14Oct96	11:50		
QCSPIKE A QC	152.7	0.0	0.131	0.131 14Oct96 DF =	11:52 5.00		
10656-1MD QC	45.8	0.0	0.042	0.042 14Oct96 DF =	11:54 5.00		
QCSPIKE A QC	155.9	0.0	0.134	0.134 14Oct96 DF = %R =	11:56 5.00 110.1		
1[illegible]63-1 Q[illegible]	20.8	0.0	0.091	0.091 14Oct96	11:58		
QCSPIKE A QC	50.1	0.0	0.220	0.220 14Oct96 %R =	12:00 147.0		

%R FAILED, REPEAT BY STANDARD ADDITIONS

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
CCV ~~10~~ 9 QC 25 ppb SW 11/4/96	23.7	0.0	0.103	0.103 14Oct96 12:02 %R = 94.7
CCB ~~10~~ 9 QC	-1.2	0.0	-0.006	-0.006 14Oct96 12:04 ABS = -0.003 CONCENTRATION LESS THAN IDL
PB,TL:14915 QC 45/50	-0.5	0.0	-0.003	-0.003 14Oct96 12:06 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.1	0.0	0.084	0.084 14Oct96 12:08 %R = 95.4
LCS QC 40 ppb	34.0	0.0	0.147	0.147 14Oct96 12:10
QCSPIKE A QC	53.1	0.0	0.234	0.234 14Oct96 12:12 %R = 95.2
11489-1 QC	0.2	0.0	0.001	0.001 14Oct96 12:14 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	14.4	0.0 W	0.064	0.064 14Oct96 12:17 %R = 72.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11489-1D QC	-1.1	0.0	-0.006	-0.006 14Oct96 12:19 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	12.8	0.0 W	0.057	0.057 14Oct96 12:21 %R = 63.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11489-1MS QC 40 ppb	25.0	0.0	0.108	0.108 14Oct96 12:23
QCSPIKE A QC	37.9	0.0	0.164	0.164 14Oct96 12:25 %R = 64.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
11489-1MD QC 40 ppb	25.1	0.0	0.109	0.109 14Oct96 12:27
QCSPIKE A QC	37.6	0.0	0.163	0.163 14Oct96 12:29 %R = 62.5 %R FAILED, REPEAT BY STANDARD ADDITIONS

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C

37.8 ug/L

C

NC/.cp3

C

69.5%/.cc 27.8 ug/L

AH-B

0.43%/.cpm

69.8%/.cc 27.9 ug/L

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
[redacted]9-2 QC	0.1	0.0	0.000	0.000 14Oct96 12:31 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.3	0.0	0.085	0.085 14Oct96 12:33 %R = 96.5
11489-3 QC	-1.2	0.0	-0.006	-0.006 14Oct96 12:35 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.1	0.0 W	0.067	0.067 14Oct96 12:38 %R = 75.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11485-1 QC	0.2	0.0	0.001	0.001 14Oct96 12:40 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.0	0.0	0.080	0.080 14Oct96 12:42 %R = 90.2
11470-3 QC	-0.8	0.0	-0.004	-0.004 14Oct96 12:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.2	0.0	0.080	0.080 14Oct96 12:46 %R = 90.8
CCV 11 QC	20.2	0.0	0.089	0.089 14Oct96 12:48 %R = 80.9
CCB 11 QC	-1.7	0.0	-0.008	-0.008 14Oct96 12:50 ABS = -0.006 CONCENTRATION LESS THAN IDL
PB,TS:15000 QC	-0.9	0.0	-0.005	-0.005 14Oct96 12:52 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.6	0.0 W	0.074	0.074 14Oct96 12:55 %R = 83.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC	34.7	0.0	0.149	0.149 14Oct96 12:57
QCSPIKE A QC	49.2	0.0	0.216	0.216 14Oct96 12:59 %R = 73.0 %R FAILED, REPEAT BY STANDARD ADDITIONS

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11471-1 QC	18.0	0.0	0.079	0.079 14Oct96 13:01
QCSPIKE A QC	38.7	0.0	0.167	0.167 14Oct96 13:03 %R = 103.4
11471-1D QC	18.0	0.0	0.079	0.079 14Oct96 13:05
QCSPIKE A QC	34.7	0.0	0.150	0.150 14Oct96 13:08 %R = 83.6 %R FAILED, REPEAT BY STANDARD ADDITIONS
11471-1MS QC	43.8	0.0	0.191	0.191 14Oct96 13:10
QCSPIKE A QC	57.1	0.0	0.252	0.252 14Oct96 13:12 %R = 66.3 %R FAILED, REPEAT BY STANDARD ADDITIONS
11471-1MD QC	39.9	0.0	0.173	0.173 14Oct96 13:14
QCSPIKE A QC	61.9	0.0	0.275	0.275 14Oct96 13:16
QCSPIKE A QC	59.9	0.0	0.054	0.054 14Oct96 13:18 DF = 5.00
11471-1MD QC	28.9	0.0	0.029	0.029 14Oct96 13:20 DF = 5.00
QCSPIKE A QC	66.5 E	0.0	0.059	0.059 14Oct96 13:22 DF = 5.00 %R = 37.6 %R LESS THAN MINIMUM LIMIT
11489-4 QC	8.0	0.0	0.038	0.038 14Oct96 13:24
QCSPIKE A QC	16.2	0.0	0.072	0.072 14Oct96 13:26 %R = 41.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
11471-2 QC	23.1	0.0	0.101	0.101 14Oct96 13:28
QCSPIKE A QC	42.5	0.0	0.185	0.185 14Oct96 13:31 %R = 97.0

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
C 12 QC	28.6	0.0	0.123	0.123 140ct96 13:33 %R = 114.4
CCB 12 QC	14.7	0.0	0.066	0.066 140ct96 13:35 ABS = 0.068
11471-3 QC	9.8	0.0	0.044	0.044 140ct96 13:37
QCSPIKE A QC	7.5	0.0 E	0.036	0.036 140ct96 13:39 %R = -11.3 %R LESS THAN MINIMUM LIMIT
11471-4 QC	15.4	0.0	0.068	0.068 140ct96 13:41
QCSPIKE A QC	18.1	0.0 E	0.080	0.080 140ct96 13:43 %R = 13.5 %R LESS THAN MINIMUM LIMIT
11470-1 QC	18.5	0.0	0.082	0.082 140ct96 13:45
QCSPIKE A QC	22.2	0.0 E	0.097	0.097 140ct96 13:47 %R = 18.3 %R LESS THAN MINIMUM LIMIT
BLANK QC	0.0		-0.005	-0.005 140ct96 13:54 CONCENTRATION LESS THAN IDL
CCV 13 QC	28.4	0.0	0.122	0.122 140ct96 13:56 %R = 113.7
CCB 13 QC	-0.9	0.0	-0.004	-0.004 140ct96 13:58 ABS = -0.002 CONCENTRATION LESS THAN IDL
PB,TS:15000 QC	-0.7	0.0	-0.004	-0.004 140ct96 14:00 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	25.9	0.0 W	0.112	0.112 140ct96 14:03 %R = 129.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC	38.1	0.0	0.165	0.165 140ct96 14:05

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SAMPLE	CONC PPB		%RSD	MEAN ABS	READINGS
QCSPIKE A QC	58.2		0.0	0.258	0.258 14Oct96 14:07 %R = 100.4
11471-1 QC	OVER		0.0	0.316*	0.316* 14Oct96 14:09
11471-1 QC	23.1		0.0	0.023	0.023 14Oct96 14:11 DF = 5.00
QCSPIKE A QC	158.2	W	0.0	0.136	0.136 14Oct96 14:13 DF = 5.00 %R = 135.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11471-1D QC	64.9T		0.0	0.290T	0.290T 14Oct96 14:15
11471-1D QC	30.2		0.0	0.030	0.030 14Oct96 14:17 DF = 5.00
QCSPIKE A QC	167.2	W	0.0	0.144	0.144 14Oct96 14:19 DF = 5.00 %R = 136.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11471-1MS QC	OVER		0.0	0.417	0.417 14Oct96 14:21
11471-1MS QC	65.0		0.0	0.058	0.058 14Oct96 14:23 DF = 5.00
QCSPIKE A QC	192.5		0.0	0.167	0.167 14Oct96 14:25 DF = 5.00 %R = 127.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
11471-1MD QC	OVER		0.0	0.353*	0.353* 14Oct96 14:27
11471-1MD QC	67.9		0.0	0.061	0.061 14Oct96 14:29 DF = 5.00
QCSPIKE A QC	192.4		0.0	0.167	0.167 14Oct96 14:31 DF = 5.00 %R = 124.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
11489-4 QC	18.5		0.0	0.082	0.082 14Oct96 14:33

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QC IKE A QC	41.7	0.0	0.181	0.181 140ct96 14:35 %R = 115.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
11471-2 QC	53.9	0.0	0.238	0.238 140ct96 14:37
QCSPIKE A QC	OVER	0.0	0.328	0.328 140ct96 14:39
CCV 14 QC	27.4	0.0	0.118	0.118 140ct96 14:41 %R = 109.7
CCB 14 QC	0.4	0.0	0.002	0.002 140ct96 14:43 ABS = 0.004 CONCENTRATION LESS THAN IDL
11471-2 QC	44.6	0.0	0.041	0.041 140ct96 14:45 DF = 5.00
QCSPIKE A QC	170.9 W	0.0	0.147	0.147 140ct96 14:47 DF = 5.00 %R = 126.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11471-3 QC	57.2*	0.0	0.253*	0.253* 140ct96 14:49
QCSPIKE A QC	OVER	0.0	0.374*	0.374* 140ct96 14:51
QCSPIKE A QC	128.1	0.0	0.111	0.111 140ct96 14:53 DF = 5.00
11471-3 QC	7.7	0.0	0.008	0.008 140ct96 14:55 DF = 5.00
QCSPIKE A QC	144.5 W	0.0	0.124	0.124 140ct96 14:57 DF = 5.00 %R = 136.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11471-4 QC	42.2	0.0	0.184	0.184 140ct96 14:59
QCSPIKE A QC	60.0	0.0	0.267	0.267 140ct96 15:01
QCSPIKE A QC	164.8	0.0	0.142	0.142 140ct96 15:03

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DF = 5.00

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11471-4 QC	48.0	0.0	0.044	0.044 14Oct96 15:05 DF = 5.00
QCSPIKE A QC	162.6	0.0	0.140	0.140 14Oct96 15:07 DF = 5.00 %R = 114.6
11470-1 QC	OVER	0.0	0.408	0.408 14Oct96 15:09
11470-1 QC	82.0	0.0	0.073	0.073 14Oct96 15:11 DF = 5.00
QCSPIKE A QC	197.5	0.0	0.171	0.171 14Oct96 15:13 DF = 5.00 %R = 115.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
11470-2 QC	1.8	0.0	0.009	0.009 14Oct96 15:15
QCSPIKE A QC	26.1 W	0.0	0.113	0.113 14Oct96 15:17 %R = 121.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11456-1 QC	OVER	0.0	0.391	0.391 14Oct96 15:19
11456-1 QC	85.3	0.0	0.075	0.075 14Oct96 15:21 DF = 5.00
QCSPIKE A QC	216.6	0.0	0.189	0.189 14Oct96 15:23 DF = 5.00 %R = 131.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
CCV 15 QC	29.7	0.0	0.127	0.127 14Oct96 15:25 %R = 118.8
CCB 15 QC	-0.6	0.0	-0.003	-0.003 14Oct96 15:27 ABS = -0.001 CONCENTRATION LESS THAN IDL
11456-2 QC	50.8	0.0	0.223	0.223 14Oct96 15:29
QCSPIKE A QC	OVER	0.0	0.305	0.305 14Oct96 15:31

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	175.0	0.0	0.151	0.151 14Oct96 15:33 DF = 5.00
11456-2 QC	55.1	0.0	0.049	0.049 14Oct96 15:35 DF = 5.00
QCSPIKE A QC	182.2 W	0.0	0.157	0.157 14Oct96 15:37 DF = 5.00 %R = 127.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11456-3 QC	OVER	0.0	0.473	0.473 14Oct96 15:38
11456-3 QC	127.7	0.0	0.111	0.111 14Oct96 15:40 DF = 5.00
QCSPIKE A QC	230.9	0.0	0.202	0.202 14Oct96 15:42 DF = 5.00 %R = 103.2
QC	-1.2	0.0	-0.006	-0.006 14Oct96 15:44 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		0.012	0.012 14Oct96 16:29 CONCENTRATION LESS THAN IDL
CCV 16 QC	30.5 Q	0.0	0.131	0.131 14Oct96 16:31 %R = 121.9
CCB 16 QC	0.8	0.0	0.004	0.004 14Oct96 16:33 ABS = 0.008 CONCENTRATION LESS THAN IDL
10809-4 1:2 QC	9.4	0.0	0.043	0.043 14Oct96 16:35
BLANK QC	0.0		0.012	0.012 14Oct96 16:39 CONCENTRATION LESS THAN IDL
CCV 17 QC	30.8 Q	0.0	0.132	0.132 14Oct96 16:41 %R = 123.1
BLANK QC	0.0		-0.013	-0.013 14Oct96 16:44 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
CCV 18	30.7	0.0	0.132	0.132
QC		Q		14Oct96 16:46
				%R = 122.8
BLANK	0.0		-0.026	-0.026
QC				14Oct96 16:50
				CONCENTRATION LESS THAN IDL
STANDARD 1	5.0	0.0	0.031	0.031
QC				14Oct96 16:53
STANDARD 2	10.0	0.0	0.055	0.055
QC				14Oct96 16:55
STANDARD 3	30.0	0.0	0.153	0.153
QC				14Oct96 16:57
STANDARD 4	60.0	0.0	0.282	0.282
QC				14Oct96 16:59

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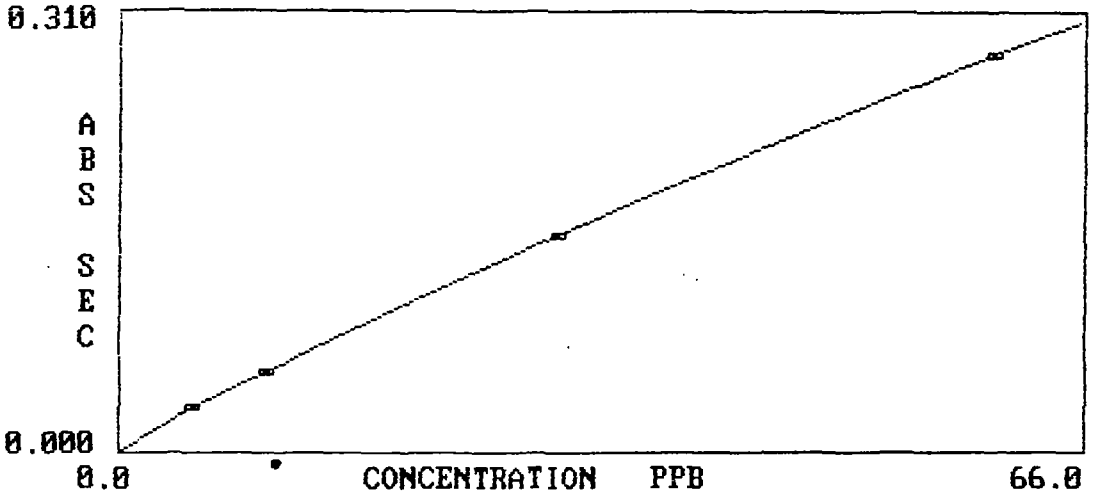

ICV	42.3	0.0	0.207	0.207
QC 40ppb		Q		14Oct96 17:02
				%R = ~~169.2~~ 106% 10-14-96
ICB	1.7	0.0	0.010	0.010
QC				14Oct96 17:04
				ABS = 0.009

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
1[illegible]B STD QC	10.9	0.0	0.060	0.060 14Oct96 17:06
QCSPIKE A QC	30.2	0.0	0.154	0.154 14Oct96 17:08 %R = 96.8
CCV 1 QC	25.9	0.0	0.134	0.134 14Oct96 17:10 %R = 103.8
CCB 1 QC	1.6	0.0	0.010	0.010 14Oct96 17:12 ABS = 0.009
10809-4 1:2 QC	6.0	0.0	0.036	0.036 14Oct96 17:14
QCSPIKE A QC	22.8	0.0	0.120	0.120 14Oct96 17:16 %R = 84.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 QC	8.0	0.0	0.046	0.046 14Oct96 17:18
QCSPIKE A QC	24.0	0.0	0.125	0.125 14Oct96 17:20 %R = 79.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-1 1:5 QC	5.8	0.0	0.035	0.035 14Oct96 17:22
QCSPIKE A QC	24.0	0.0	0.125	0.125 14Oct96 17:25 %R = 90.7
11341-1 1:5 QC	5.4	0.0	0.033	0.033 14Oct96 17:27
QCSPIKE A QC	26.4	0.0	0.136	0.136 14Oct96 17:29 %R = 105.1
11341-5 1:10 QC	29.4	0.0	0.150	0.150 14Oct96 17:31
QCSPIKE A QC	50.2	0.0	0.241	0.241 14Oct96 17:33 %R = 103.9
11341-6 1:10	61.2	0.0	0.286	0.286 14Oct96 17:35
11341-6 1:10 QC	68.6	0.0	0.075	0.075 14Oct96 17:37 DF = 5.00

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS	
QCSPIKE A QC	171.7	0.0	0.172	0.172 140ct96 17:39 DF = 5.00 %R = 103.1	
11317-1 1:10 QC 0.501 / 50	8.4	0.0	0.048	0.048 140ct96 17:41	8383.2 ug/kg
QCSPIKE A QC	27.9	0.0	0.143	0.143 140ct96 17:43 %R = 97.1	
11317-3 1:10 QC 0.500 / 50	5.8	0.0	0.035	0.035 140ct96 17:45	5800.0 ug/kg
QCSPIKE A QC	26.6	0.0	0.137	0.137 140ct96 17:47 %R = 104.0	
11335-1 1:5 QC 0.507 / 50	10.2	0.0	0.057	0.057 140ct96 17:49	5029.6 ug/kg
QCSPIKE A QC	30.7	0.0	0.156	0.156 140ct96 17:51 %R = 102.4	
CCV 2 QC 25/10	24.1	0.0	0.126	0.126 140ct96 17:53 %R = 96.3	
CCB 2 QC	-0.0	0.0	-0.000	-0.000 140ct96 17:55 ABS = -0.001 CONCENTRATION LESS THAN IDL	
50 1498 7 11363-1 1:2 QC 0.502 / 50	10.5	0.0	0.058	0.058 140ct96 17:57	2091.6 ug/kg
QCSPIKE A QC	31.2	0.0	0.158	0.158 140ct96 17:59 %R = 103.6	
11471-1 1:5 QC 0.503 / 50	5.1	0.0	0.031	0.031 140ct96 18:01	2534.8 ug/kg
QCSPIKE A QC	25.3	0.0	0.131	0.131 140ct96 18:04 %R = 100.9	
11471-1DP1:5 QC 0.503 / 50	5.6	0.0	0.034	9.34 / ppm 0.034 140ct96 18:06	2383.3 ug/kg
QCSPIKE A QC	25.4	0.0	0.132	0.132 140ct96 18:08 %R = 98.8	
0.501/50 11471-1MS1:5 QC 4/11	11.2	0.0	0.062	>6.4 / ppm 0.062 140ct96 18:10	5588.8 ug/kg

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SAMPLE		CONC PPB	%RSD	MEAN ABS	READINGS	
QCSPIKE A		30.8	0.0	0.156	0.156	
QC					140ct96	18:12
					%R =	98.1
11471-1MD	1:5	11.1	0.0	0.061	0.061	
QC					140ct96	18:14
QCSPIKE A		30.3	0.0	0.154	0.154	
QC					140ct96	18:16
					%R =	95.7
11489-4	1:2	7.2	0.0	0.042	0.042	
QC					140ct96	18:18
QCSPIKE A		24.9	0.0	0.129	0.129	
QC					140ct96	18:20
					%R =	88.7
11471-2	1:5	8.3	0.0	0.048	0.048	
QC					140ct96	18:22
QCSPIKE A		27.5	0.0	0.142	0.142	
QC					140ct96	18:25
					%R =	96.1
11471-3	1:5	2.1	0.0	0.013	0.013	
QC					140ct96	18:27
QCSPIKE A		20.8	0.0	0.110	0.110	
QC					140ct96	18:29
					%R =	93.9
11470-1	1:10	7.2	0.0	0.042	0.042	
QC					140ct96	18:31
QCSPIKE A		28.0	0.0	0.144	0.144	
QC					140ct96	18:33
					%R =	104.0
11456-1	1:10	9.1	0.0	0.051	0.051	
QC					140ct96	18:35
QCSPIKE A		27.1	0.0	0.139	0.139	
QC					140ct96	18:38
					%R =	89.8
CCV 3		24.1	0.0	0.126	0.126	
QC					140ct96	18:40
					%R =	96.3
CCB 3		0.7	0.0	0.005	0.005	
QC					140ct96	18:42
					ABS =	0.003
					CONCENTRATION LESS THAN IDL	
11456-2	1:5	10.3	0.0	0.057	0.057	
QC					140ct96	18:44

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	27.3	0.0	0.141	0.141 14Oct96 18:46 %R = 85.1
11456-3 1:5 QC 0.506 SU	20.5	0.0	0.108	0.108 14Oct96 18:48
QCSPIKE A QC	41.1	0.0	0.202	0.202 14Oct96 18:50 %R = 103.2
QC	1.0	0.0	0.006	0.006 14Oct96 18:52
BLANK QC	0.0		-0.004	-0.004 14Oct96 18:55 CONCENTRATION LESS THAN IDL
CCV 4 QC >SUP	24.4	0.0	0.127	0.127 14Oct96 18:57 %R = 97.7
CCB 4 QC	1.8	0.0	0.011	0.011 14Oct96 18:59 ABS = 0.009

10128.4

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BLANK QC	0.0		0.007	0.007 14Oct96 19:37 CONCENTRATION LESS THAN IDL
CCV 5 QC	22.7	0.0	0.119	0.119 14Oct96 19:40 %R = 90.9
CCB 5 QC	0.2	0.0	0.001	0.001 14Oct96 19:42 ABS = 0.000 CONCENTRATION LESS THAN IDL
10809-5 QC	4.2	0.0	0.026	0.026 14Oct96 19:44
QCSPIKE A QC	21.5	0.0	0.113	0.113 14Oct96 19:46 %R = 86.8
CCV 6 QC	20.9	0.0	0.111	0.111 14Oct96 19:48 %R = 83.8
CCB 6 QC	0.6	0.0	0.004	0.004 14Oct96 19:50 ABS = 0.003 CONCENTRATION LESS THAN IDL
10809-4 1:2 QC	5.0	0.0	0.031	0.031 14Oct96 19:52

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	21.1	0.0 W	0.111	0.111 14Oct96 19:54 %R = 80.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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(1184)

Varian SpectrAA 300/400 Zeeman
QC Protocol Report

INCHCAPE TESTING SERVICES
NDRC LABORATORY-DALLAS
FURNACE #1

OPERATOR	ANSON
DATE	10-18-96
BATCH	CD

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QC PROTOCOL PARAMETERS

IF THERE IS AN ERROR	FLAG AND CONTINUE
QC SPIKE POSITION	50
RECOVERY LIMITS (%)	85 TO 115
RECOVERY MINIMUM LIMIT (%)	40
CORRELATION COEFFICIENT (r)	0.995
OVERRANGE VOLUME REDUCTION	5
REPLICATE RSD LIMIT (%)	20.0

Std. Lot #: AB04-22I Modifier Lot #: AB08-69A
ICV Lot #: AA08-22J CCV Lot #: AA08-22I
LCS & MS/MSD Lot #: 690619

PROGRAM 38 Cd PLAT 3pt. Pd

INSTRUMENT MODE	ABSORBANCE
CALIBRATION MODE	CONCENTRATION
MEASUREMENT MODE	PEAK AREA
LAMP POSITION	8
LAMP CURRENT (mA)	4
SLIT WIDTH (nm)	0.5
SLIT HEIGHT	NORMAL
WAVELENGTH (nm)	228.8
SAMPLE INTRODUCTION	SAMPLER AUTOMIXING
TIME CONSTANT	0.05
MEASUREMENT TIME (sec)	1.0
REPLICATES	1
BACKGROUND CORRECTION	ON
MAXIMUM ABSORBANCE	1.50

FURNACE PARAMETERS

STEP NO.	TEMPERATURE (C)	TIME (sec)	GAS FLOW (L/min)	GAS TYPE	READ COMMAND
1	200	7.0	3.0	NORMAL	NO
2	300	12.0	3.0	NORMAL	NO
3	900	5.0	3.0	NORMAL	NO
4	900	15.0	0.3	NORMAL	NO
5	2100	0.7	0.1	NORMAL	YES
6	2100	3.0	0.1	NORMAL	YES
7	2300	4.0	3.0	NORMAL	NO

SAMPLER PARAMETERS

VOLUMES (fL)

	SOLUTION	BLANK	MODIFIER
BLANK	--	20	5
STANDARD 1	2	18	5
STANDARD 2	10	10	5
STANDARD 3	20	0	5
SAMPLE	20	0	5

RECALIBRATION RATE 0

RESLOPE RATE 0

MULTIPLE INJECT NO HOT INJECT YES PRE INJECT NO

TEMPERATURE 110

INJECT RATE 5

QC PROTOCOL PARAMETERS

QC STANDARD RATE	20
QC INITIAL STANDARD POSITION	48
QC INITIAL BLANK POSITION	51
QC CONTINUING STANDARD POSITION	49
QC CONTINUING BLANK POSITION	51
QC STANDARD VOLUME (fL)	20
QC STANDARD CONCENTRATION	5.00 ppb
QC STANDARD LIMITS (%)	80 TO 120
QC SPIKE RATE	1
QC SPIKE VOLUME (fL)	6
QC SPIKE CONCENTRATION	10.00 ppb
MATRIX SPIKE CONCENTRATION	0.00 ppb
INSTRUMENT DETECTION LIMIT	0.04 ppb
REQUIRED DETECTION LIMIT	0.10 ppb

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CONDITIONS FOR Cd :

Alternative Wavelengths (nm) : 326.1

Spectral Bandwidths (nm) : 0.5

Maximum Ash Temperature : 300xC

Recommended Atomize Temperature : 1800xC

Recommended Chemical Modifiers :

Monobasic ammonium phosphate (5000fg/mL solution), or

Orthophosphoric acid (1000fg/mL), or

Pd solution (500-2000fg/mL) + reducing agent (ascorbic acid).

Response with Argon : 10fL of 1.1ng/mL gives about 0.2 Abs.

The ammonium phosphate modifier was used to obtain these results, giving a smooth peak shape and a maximum ash of 600xC. Palladium modifier permits a higher ashing temperature. Use of a multi-element lamp may require a different slit width, lamp current and wavelength to isolate the analytical line.

PROGRAM 38 Cd PLAT 3pt. Pd QC ZEEMAN
BLANK REPLICATE 1
ABSORBANCE CONCENTRATION SAMPLER AUTOMIX
PEAK AREA MAX.ABS. 1.50 BC ON

AUTOMATIC RUN PAUSED: PRINTING

SAMPLE LABELS

1. 1PPB STD	2. PB,DS	3. LCS
4. RWMS	5. RWMSD	6. 10809-3
7. 10809-3DP	8. 10809-1	9. 10809-4
10. 10809-5	11. PB,TL:14742	12. LCS
13. 10759-2	14. 10759-2DP	15. 10759-2MS
16. 10759-2MD	17. 10809-1	18. 10809-3
19. 10809-4	20. 10809-5	21. PB,NL:14891
22. LCS	23. 11211-1	24. 11211-1DP
25. 11211-1MS	26. 11211-1MD	27. 11196-1
28. 11196-2	29. 11196-3	30. PB,NL:14920
31. LCS	32. RWMS	33. RWMSD
34. 11329-1 1:5	35. 11329-1DP1:5	36.
37.	38.	39.
40.	41.	42.
43.	44.	45.

F 1 INCREMENT LABELS

F 5 CALIBRATION

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
BLANK	0.00		-0.004	-0.004
QC				18Oct96 09:59
				CONCENTRATION LESS THAN IDL
STANDARD 1	1.00	0.0	0.035	0.035
QC				18Oct96 10:01
STANDARD 2	5.00	0.0	0.183	0.183
QC				18Oct96 10:02
STANDARD 3	10.00	0.0	0.310	0.310
QC				18Oct96 10:04

corr=0.995

ANALYST 10-8-96 DATE
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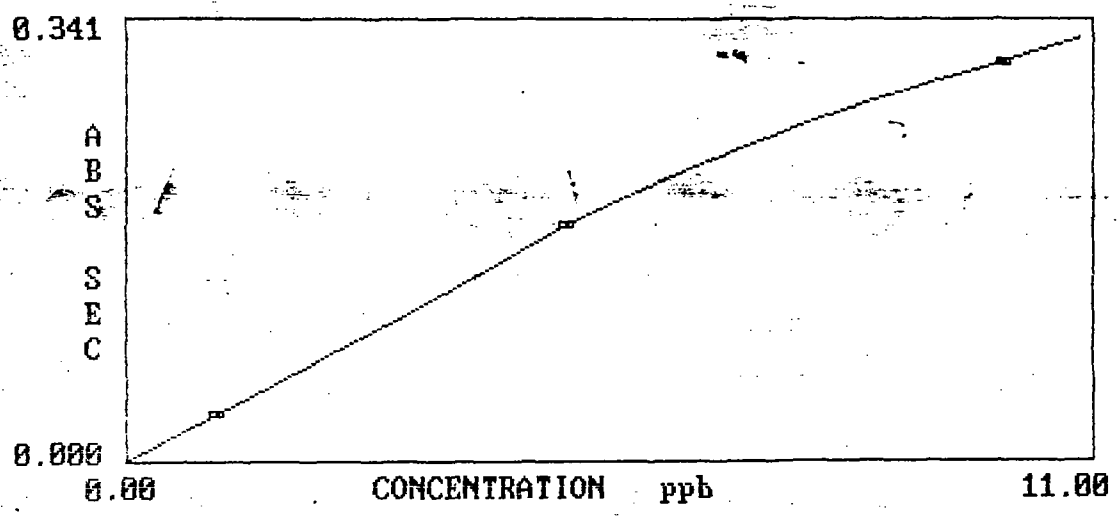

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
ICV QC 6ppb	5.66	0.0	0.204	0.204 18Oct96 10:06 %R = ~~113.3~~ 94.3 10/19/96
ICB QC	0.02	0.0	0.001	0.001 18Oct96 10:08 ABS = -0.000 CONCENTRATION LESS THAN IDL
1PPB STD 2 QC	1.22	0.0	0.043	0.043 18Oct96 10:10
BLANK QC	0.00		-0.000	-0.000 18Oct96 10:12 CONCENTRATION LESS THAN IDL
CCV 1 QC 6ppb	4.94	0.0	0.180	0.180 18Oct96 10:14 %R = 98.9
CCB 1 QC	-0.01	0.0	-0.001	-0.001 18Oct96 10:16 ABS = -0.002 CONCENTRATION LESS THAN IDL
1PPB STD QC	0.95	0.0	0.033	0.033 18Oct96 10:18

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%R - 95.0

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	4.71	0.0 W	0.172	0.172 180ct96 10:20 %R = 125.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV 2 QC 5 ppb	4.85	0.0	0.177	0.177 180ct96 10:21 %R = 96.9
CCB 2 QC	0.02	0.0	0.001	0.001 180ct96 10:23 ABS = -0.000 CONCENTRATION LESS THAN IDL
PB,DS (10010LF) QC	-0.05	0.0	-0.002	-0.002 180ct96 10:25 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.80	0.0 W	0.137	0.137 180ct96 10:27 %R = 126.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC 5ppb	5.20	0.0	0.189	0.189 180ct96 10:29 %R=104 5.20 ppb
QCSPIKE A QC	10.97	0.0	0.331	0.331 180ct96 10:30
QCSPIKE A QC	~~17~~.84	0.0	0.128	0.128 180ct96 10:32 DF = 5.00
LCS QC	5.33	0.0	0.038	0.038 180ct96 10:34 DF = 5.00
QCSPIKE A QC	~~18~~.56	0.0	0.134	0.134 180ct96 10:36 DF = 5.00 %R = 88.1
RWMS QC 5ppb	5.09	0.0	0.186	0.186 180ct96 10:37 %R=102 5.09 ppb
QCSPIKE A QC	9.80	0.0	0.306	0.306 180ct96 10:39 %R = 157.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC 5ppb	4.98	0.0	0.182	0.182 180ct96 10:41 %R=99.6 4.98 ppb
QCSPIKE A QC	10.06	0.0	0.311	0.311 180ct96 10:43
QCSPIKE A QC	18.13	0.0	0.131	0.131 180ct96 10:45 DF = 5.00

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
RWMSD QC	4.87	0.0	0.034	0.034 18Oct96 10:46 DF = 5.00
QCSPIKE A QC	19.28	0.0	0.139	0.139 18Oct96 10:48 DF = 5.00 %R = 96.1
10809-3 QC	OVER	0.0	4.000B	4.000B 18Oct96 10:50
10809-3 QC	-1.46	0.0	-0.010	-0.010 18Oct96 10:52 DF = 5.00 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	14.49B	0.0	0.104B	0.104B 18Oct96 10:53 DF = 5.00 %R = 96.6
10809-3DP QC	OVER	0.0	4.000B	4.000B 18Oct96 10:55
10809-3DP QC	-0.29	0.0	-0.002	-0.002 18Oct96 10:57 DF = 5.00 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	13.76B	0.0	0.098B	0.098B 18Oct96 10:58 DF = 5.00 %R = 91.8
CCV 3 QC 5ppb	6.00	0.0	0.214	0.214 18Oct96 11:00 %R = 119.9
CCB 3 QC	0.03	0.0	0.001	0.001 18Oct96 11:02 ABS = -0.000 CONCENTRATION LESS THAN IDL
10809-1 QC	-0.17	0.0	-0.006	-0.006 18Oct96 11:04 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.64B W	0.0	0.131B	0.131B 18Oct96 11:06 %R = 121.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-4 QC	10.38B	0.0	0.318B	0.318B 18Oct96 11:07
10809-4 QC	0.18	0.0	0.001	0.001 18Oct96 11:09 DF = 5.00

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	16.38	0.0	0.118	0.118 18Oct96 11:11 DF = 5.00 %R = 108.1
10809-5 QC	5.86B	0.0	0.210B	0.210B 18Oct96 11:12
QCSPIKE A QC	10.41B	0.0	0.319B	0.319B 18Oct96 11:14
QCSPIKE A QC	16.67	0.0	0.120	0.120 18Oct96 11:16 DF = 5.00
10809-5 QC	0.67	0.0	0.005	0.005 18Oct96 11:18 DF = 5.00
QCSPIKE A QC	16.37	0.0	0.118	0.118 18Oct96 11:19 DF = 5.00 %R = 104.7
PB,TL:14742 QC	0.00	0.0	0.000	0.000 18Oct96 11:21 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.38	0.0	0.121	0.121 18Oct96 11:23 %R = 112.5
LCS QC 3ppb	3.05	0.0	0.109	0.109 18Oct96 11:25 %R = 113
QCSPIKE A QC	6.21	0.0	0.221	0.221 18Oct96 11:27 %R = 105.5
10759-2 QC	-0.02	0.0	-0.001	-0.001 18Oct96 11:28 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.41	0.0	0.123	0.123 18Oct96 11:30 %R = 113.6
10759-2DP QC	-0.05	0.0	-0.002	-0.002 18Oct96 11:32 %RPD-NC CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.00	0.0	0.108	0.108 18Oct96 11:34 %R = 100.1
10759-2MS QC 3ppb	2.55	0.0	0.091	0.091 18Oct96 11:36 %R = 94.3

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	5.78	0.0	0.208	0.208 18Oct96 11:38 %R = 107.5
CCV 4 QC 6ppb	4.99	0.0	0.182	0.182 18Oct96 11:39 %R = 99.7
CCB 4 QC	0.04	0.0	0.001	0.001 18Oct96 11:41 ABS = 0.000 CONCENTRATION LESS THAN IDL
10759-2MD QC 3ppb	2.77	0.0	0.099	0.099 18Oct96 11:43
QCSPIKE A QC	6.43	0.0	0.227	0.227 18Oct96 11:45 %R = 121.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-1 QC	0.01	0.0	0.001	0.001 18Oct96 11:47 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.17	0.0	0.114	0.114 18Oct96 11:48 %R = 105.7
10809-3 QC	-0.15	0.0	-0.005	-0.005 18Oct96 11:50 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.82B W	0.0	0.138B	0.138B 18Oct96 11:52 %R = 127.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-4 QC	0.01B	0.0	0.000B	0.000B 18Oct96 11:54 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.01	0.0	0.108	0.108 18Oct96 11:56 %R = 100.4
10809-5 QC	-0.22B	0.0	-0.008B	-0.008B 18Oct96 11:58 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.35	0.0	0.120	0.120 18Oct96 12:00 %R = 111.5
PB,NL:14891 QC	0.08	0.0	0.003	0.003 18Oct96 12:01

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%RPD=8.8
%R=103
3.06 mg/L

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	3.75	0.0 W	0.135	0.135 18Oct96 12:03 %R = 122.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC	3.96	0.0	0.143	0.143 18Oct96 12:05
QCSPIKE A QC	7.06	0.0	0.244	0.244 18Oct96 12:07 %R = 103.4
11211-1 QC	0.27	0.0	0.009	0.009 18Oct96 12:09
QCSPIKE A QC	3.77	0.0 W	0.136	0.136 18Oct96 12:11 %R = 116.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11211-1DP QC	0.25	0.0	0.009	0.009 18Oct96 12:13
QCSPIKE A QC	3.95	0.0 W	0.143	0.143 18Oct96 12:15 %R = 123.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11211-1MS QC	3.42	0.0	0.123	0.123 18Oct96 12:16
QCSPIKE A QC	6.58	0.0	0.231	0.231 18Oct96 12:18 %R = 105.3
CCV 5 QC	5.63	0.0	0.203	0.203 18Oct96 12:20 %R = 112.6
CCB 5 QC	0.02	0.0	0.001	0.001 18Oct96 12:22 ABS = -0.000 CONCENTRATION LESS THAN IDL
11211-1MD QC	3.44	0.0	0.124	0.124 18Oct96 12:24
QCSPIKE A QC	6.80	0.0	0.237	0.237 18Oct96 12:26 %R = 111.9
11196-1 QC	0.61	0.0	0.022	0.022 18Oct96 12:27
QCSPIKE A QC	3.64	0.0	0.131	0.131 18Oct96 12:29 %R = 101.1

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
11196-2 QC	1.74	0.0	0.062	0.062 18Oct96 12:31
QCSPIKE A QC	5.01	0.0	0.183	0.183 18Oct96 12:33 %R = 109.1
11196-3 QC	1.14	0.0	0.040	0.040 18Oct96 12:35
QCSPIKE A QC	4.49	0.0	0.163	0.163 18Oct96 12:37 %R = 111.5
PB,NL:14920 QC	-0.02	0.0	-0.001	-0.001 18Oct96 12:38 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.65 W	0.0	0.131	0.131 18Oct96 12:40 %R = 121.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC	2.93	0.0	0.105	0.105 18Oct96 12:42
QCSPIKE A QC	6.10	0.0	0.217	0.217 18Oct96 12:44 %R = 105.8
RWMS QC	3.33	0.0	0.120	0.120 18Oct96 12:46
QCSPIKE A QC	5.41	0.0	0.196	0.196 18Oct96 12:48 %R = 69.4 %R FAILED. REPEAT BY STANDARD ADDITIONS
RWMSD QC	2.90	0.0	0.104	0.104 18Oct96 12:49
QCSPIKE A QC	5.86	0.0	0.210	0.210 18Oct96 12:51 %R = 98.9
11329-1 1:5 QC	1.83	0.0	0.065	0.065 18Oct96 12:53
QCSPIKE A QC	4.93	0.0	0.180	0.180 18Oct96 12:55 %R = 103.4
11329-1DP1:5 QC	1.78	0.0	0.063	0.063 18Oct96 12:57
QCSPIKE A QC	5.18	0.0	0.189	0.189 18Oct96 12:58 %R = 113.4

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
CCV 6 QC 5ppb	5.47	0.0	0.198	0.198 18Oct96 13:00 %R = 109.5
CCB 6 QC	-0.01	0.0	-0.000	-0.000 18Oct96 13:02 ADS = -0.001 CONCENTRATION LESS THAN IDL
MW184R 10809-3 1:50 QC	0.01	0.0	0.000	0.000 18Oct96 13:04 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.50	0.0 W	0.126	0.126 18Oct96 13:06 %R = 116.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
MW184R 10809-3DUP 1:50 QC	0.04	0.0	0.001	0.001 mg/L 18Oct96 13:07 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.47	0.0 W	0.125	0.125 18Oct96 13:09 %R = 115.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.01	0.0	0.000	0.000 18Oct96 13:11 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.36	0.0	0.121	0.121 18Oct96 13:13 %R = 112.1
QC	-0.03	0.0	-0.001	-0.001 18Oct96 13:15 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.45	0.0 W	0.124	0.124 18Oct96 13:17 %R = 115.0 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.03	0.0	0.001	0.001 18Oct96 13:18 CONCENTRATION LESS THAN IDL
BLANK CC	0.00		0.003	0.003 18Oct96 13:31 CONCENTRATION LESS THAN IDL
CCV 7 CC5ppb	5.68	0.0	0.205	0.205 18Oct96 13:33 %R = 113.6
CCB 7 CC	0.02	0.0	0.001	0.001 18Oct96 13:35 ADS = 0.000 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
10809-3 1:10 QC	0.28	0.0	-0.010	-0.010 18Oct96 13:37 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.41T	0.0	0.123T	0.123T 18Oct96 13:39 %R = 113.6
10809-3DP:10 QC	-0.36B	0.0	-0.013B	-0.013B 18Oct96 13:40 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.55 W	0.0	0.128	0.128 18Oct96 13:42 %R = 118.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-1 1:5 QC	-0.02	0.0	-0.001	-0.001 18Oct96 13:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.26	0.0	0.117	0.117 18Oct96 13:46 %R = 108.7
10809-4 1:5 QC	-0.03	0.0	-0.001	-0.001 18Oct96 13:47 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.43	0.0	0.123	0.123 18Oct96 13:49 %R = 114.2
10809-3 1:5 CC	-0.10B	0.0	-0.004B	-0.004B 18Oct96 13:51 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.31B	0.0	0.119B	0.119B 18Oct96 13:53 %R = 110.2
10809-4 1:5 QC	0.09	0.0	0.003	0.003 18Oct96 13:55
QCSPIKE A QC	3.50	0.0	0.126	0.126 18Oct96 13:57 %R = 113.5
BLANK CC	0.00		0.000	0.000 18Oct96 14:00 CONCENTRATION LESS THAN IDL
CCV 8 CC	5.75	0.0	0.207	0.207 18Oct96 14:02 %R = 115.0
CCB 8 CC	-0.04	0.0	-0.001	-0.001 18Oct96 14:04 ABS = -0.002 CONCENTRATION LESS THAN IDL

0.50 %

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
10809-3 1:25 QC	0.02	0.0	0.001	0.001 18Oct96 14:05 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.13	0.0	0.112	0.112 18Oct96 14:07 %R = 104.5
10809-4 1:5 QC	0.16	0.0	0.006	0.006 18Oct96 14:09
QCSPIKE A QC	3.56	0.0	0.128	0.128 18Oct96 14:11 %R = 113.4
10809-5 1:5 QC	0.14	0.0	0.005	0.005 18Oct96 14:12
QCSPIKE A QC	3.61	0.0 W	0.130	0.130 18Oct96 14:14 %R = 115.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 1:5 QC	0.07	0.0	0.002	0.002 18Oct96 14:16
QCSPIKE A QC	3.40	0.0	0.122	0.122 18Oct96 14:18 %R = 111.1
QC	0.03	0.0	0.001	0.001 18Oct96 14:20 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.35	0.0	0.120	0.120 18Oct96 14:22 %R = 111.5
BLANK QC	0.00		0.003	0.003 18Oct96 14:24 CONCENTRATION LESS THAN IDL
CCV 9 QC5ppb	5.47	0.0	0.198	0.198 18Oct96 14:26 %R = 109.5
CCB 9 QC	-0.03	0.0	-0.001	-0.001 18Oct96 14:28 ABS = -0.001 CONCENTRATION LESS THAN IDL
PB,NL:14891 QC	-0.04	0.0	-0.001	-0.001 18Oct96 14:30 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.47	0.0 W	0.125	0.125 18Oct96 14:31 %R = 115.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
LCS QC3ppb 100/100	3.06	0.0	0.110	0.110 18Oct96 14:33 %R = 102
QCSPIKE A QC	6.81	0.0	0.238	0.238 18Oct96 14:35 %R = 124.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
11211-1 QC	0.18	0.0	0.006	0.006 18Oct96 14:37
QCSPIKE A QC	3.67	0.0 W	0.132	0.132 18Oct96 14:39 %R = 116.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11211-1DP QC	0.11	0.0	0.004	0.004 18Oct96 14:41 %RPD=NC
QCSPIKE A QC	3.65	0.0 W	0.131	0.131 18Oct96 14:43 %R = 117.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11211-1MS QC3ppb	3.27	0.0	0.117	0.117 18Oct96 14:44 %R=103
QCSPIKE A QC	6.49	0.0	0.229	0.229 18Oct96 14:46 %R = 107.5
11211-1MD QC3ppb	3.30	0.0	0.119	0.119 18Oct96 14:48 %RPD=0.97 %R=104
QCSPIKE A QC	6.76	0.0	0.236	0.236 18Oct96 14:50 %R = 115.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
11196-1 QC	0.59	0.0	0.021	0.021 18Oct96 14:52
QCSPIKE A QC	4.23	0.0 W	0.153	0.153 18Oct96 14:54 %R = 121.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11196-2 QC	1.76	0.0	0.062	0.062 18Oct96 14:56
QCSPIKE A QC	5.17	0.0	0.188	0.188 18Oct96 14:58 %R = 113.9
11196-3 QC	1.15	0.0	0.040	0.040 18Oct96 14:59 1.15

3.06 mg/L

0.18 mg/L

0.11 mg/L

3.27 mg/L

3.30 mg/L

0.59 mg/L

1.76 mg/L

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	4.86	0.0 W	0.177	0.177 10Oct96 15:01 %R = 123.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
PB,NL:14920 QC	-0.08	0.0	-0.003	-0.003 10Oct96 15:03 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.65	0.0 W	0.132	0.132 10Oct96 15:05 %R = 121.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV 10 QC	5.27	0.0	0.192	0.192 10Oct96 15:07 %R = 105.5
CCB 10 QC	-0.07	0.0	-0.002	-0.002 10Oct96 15:08 ABS = -0.002 CONCENTRATION LESS THAN IDL
LCS QC	2.90	0.0	0.104	0.104 10Oct96 15:10
QCSPIKE A QC	6.71	0.0	0.235	0.235 10Oct96 15:12 %R = 127.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC	2.94	0.0	0.105	0.105 10Oct96 15:14
QCSPIKE A QC	6.32	0.0	0.224	0.224 10Oct96 15:16 %R = 112.5
RWMSD QC	3.01	0.0	0.108	0.108 10Oct96 15:17
QCSPIKE A QC	7.24	0.0	0.249	0.249 10Oct96 15:19 %R = 140.7 %R FAILED, REPEAT BY STANDARD ADDITIONS
11329-1 1:5 QC	1.74	0.0	0.061	0.061 10Oct96 15:21
QCSPIKE A QC	5.05	0.0	0.184	0.184 10Oct96 15:23 %R = 110.4
11329-1DP1:5 QC	1.81	0.0	0.064	0.064 10Oct96 15:25
QCSPIKE A QC	5.21	0.0	0.190	0.190 10Oct96 15:27 %R = 113.5

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SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
	-0.11	0.0	-0.004	-0.004
QC				18Oct96 15:28
				CONCENTRATION LESS THAN IDL
BLANK	0.00		-0.009	-0.009
QC				18Oct96 15:32
				CONCENTRATION LESS THAN IDL
CCV 11	5.67	0.0	0.204	0.204
QC 6ppb				18Oct96 15:34
				%R = 113.3
CCB 11	0.06	0.0	0.002	0.002
QC				18Oct96 15:36
				ABS = 0.000
	0.09	0.0	0.003	0.003
QC				18Oct96 15:38
QCSPIKE A	3.69	0.0	0.133	0.133
QC		W		18Oct96 15:39
				%R = 120.2
				SAMPLE CONC <50% OF SPIKE CONCENTRATION
	0.08	0.0	0.003	0.003
QC				18Oct96 15:41
QCSPIKE A	3.69	0.0	0.133	0.133
QC		W		18Oct96 15:43
				%R = 120.1
				SAMPLE CONC <50% OF SPIKE CONCENTRATION
BLANK	0.00		0.006	0.006
QC				18Oct96 15:46
				CONCENTRATION LESS THAN IDL
CCV 12	5.34	0.0	0.194	0.194
QC 5ppb				18Oct96 15:47
				%R = 106.9
CCB 12	0.01	0.0	0.000	0.000
QC				18Oct96 15:49
				ABS = 0.000
				CONCENTRATION LESS THAN IDL
LCS	3.22	0.0	0.116	0.116
QC				18Oct96 15:51
QCSPIKE A	6.90	0.0	0.240	0.240
QC				18Oct96 15:53
				%R = 122.6
				%R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS	3.34	0.0	0.120	0.120
QC				18Oct96 15:55
QCSPIKE A	6.61	0.0	0.232	0.232
QC				18Oct96 15:57
				%R = 108.9

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SAMPLE		CONC ppb		%RSD	MEAN ABS	READINGS
RWMSD		3.52		0.0	0.127	0.127
QC						10Oct96 15:58
QCSPIKE A		6.43		0.0	0.227	0.227
QC						10Oct96 16:00
						%R = 96.9
11329-1	1:5	1.76		0.0	0.062	0.062
QC						10Oct96 16:02
QCSPIKE A		5.15		0.0	0.187	0.187
QC						10Oct96 16:04
						%R = 112.7
11329-1DP1	1:5	1.79		0.0	0.063	0.063
QC						10Oct96 16:06
QCSPIKE A		5.20		0.0	0.189	0.189
QC						10Oct96 16:07
						%R = 113.8
		-0.04		0.0	-0.001	-0.001
QC						10Oct96 16:09
						CONCENTRATION LESS THAN IDL
QCSPIKE A		3.61		0.0	0.130	0.130
QC			W			10Oct96 16:11
						%R = 120.5
						SAMPLE CONC <50% OF SPIKE CONCENTRATION
		0.09		0.0	0.003	0.003
QC						10Oct96 16:13
QCSPIKE A		3.62		0.0	0.131	0.131
QC			W			10Oct96 16:15
						%R = 117.7
						SAMPLE CONC <50% OF SPIKE CONCENTRATION
		-0.00		0.0	-0.000	-0.000
QC						10Oct96 16:16
						CONCENTRATION LESS THAN IDL
QCSPIKE A		3.66		0.0	0.132	0.132
QC			W			10Oct96 16:18
						%R = 121.9
						SAMPLE CONC <50% OF SPIKE CONCENTRATION
		0.06		0.0	0.002	0.002
QC						10Oct96 16:20
QCSPIKE A		3.55		0.0	0.128	0.128
QC			W			10Oct96 16:22
						%R = 116.1
						SAMPLE CONC <50% OF SPIKE CONCENTRATION
		-0.04		0.0	-0.001	-0.001
QC						10Oct96 16:24
						CONCENTRATION LESS THAN IDL

ANALYST 10-18-96 DATE

REVIEW 10-18-96 DATE

DATA ENTRY DATE

ANALYTE INST.#

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	3.51	0.0 W	0.126	0.126 10Oct96 16:26 %R = 117.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV 13 QC 5ppb	5.77	0.0	0.207	0.207 10Oct96 16:27 %R = 115.4
CCB 13 QC	0.00	0.0	0.000	0.000 10Oct96 16:29 ABS = -0.000 CONCENTRATION LESS THAN IDL
	0.02	0.0	0.001	0.001 10Oct96 16:31 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.53	0.0 W	0.127	0.127 10Oct96 16:33 %R = 117.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
	0.04	0.0	0.001	0.001 10Oct96 16:35
BLANK QC	0.00		0.006	0.006 10Oct96 16:39 CONCENTRATION LESS THAN IDL
CCV 14 QC 5ppb	5.78	0.0	0.208	0.208 10Oct96 16:40 %R = 115.6
CCB 14 QC	-0.04	0.0	-0.001	-0.001 10Oct96 16:42 ABS = 0.000 CONCENTRATION LESS THAN IDL
LCS QC	3.45	0.0	0.124	0.124 10Oct96 16:44
QCSPIKE A QC	6.26	0.0	0.222	0.222 10Oct96 16:46 %R = 93.5
RWMS QC	3.48	0.0	0.125	0.125 10Oct96 16:48
BLANK QC	0.00		-0.007	-0.007 10Oct96 16:51 CONCENTRATION LESS THAN IDL
CCV 15 QC	5.91	0.0	0.212	0.212 10Oct96 16:53 %R = 118.2

10-18-96 DATE
ANALYST
10-18-96 DATE
REVIEW
10-21-96 DATE
DATA ENTRY DATE
ANALYTE INST.#

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
CCB 15 QC	-0.02	0.0	-0.001	-0.001 18Oct96 16:54 ABS = -0.001 CONCENTRATION LESS THAN IDL
LCS QC	3.33	0.0	0.120	0.120 18Oct96 16:56
BLANK QC	0.00		0.001	0.001 18Oct96 17:00 CONCENTRATION LESS THAN IDL
CCV 16 QC 5ppb	5.87	0.0	0.210	0.210 18Oct96 17:01 %R = 117.5
CCB 16 QC	-0.03	0.0	-0.001	-0.001 18Oct96 17:03 ABS = -0.001 CONCENTRATION LESS THAN IDL
LCS QC	3.39	0.0	0.122	0.122 18Oct96 17:05
QCSPIKE A QC	7.69	0.0	0.260	0.260 18Oct96 17:07 %R = 143.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC	3.38	0.0	0.122	0.122 18Oct96 17:08
QCSPIKE A QC	7.34	0.0	0.252	0.252 18Oct96 17:10 %R = 132.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC	3.61	0.0	0.130	0.130 18Oct96 17:12
QCSPIKE A QC	7.27	0.0	0.250	0.250 18Oct96 17:14 %R = 121.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
11329-1 1:5 QC	1.73	0.0	0.061	0.061 18Oct96 17:16
QCSPIKE A QC	5.40	0.0 W	0.196	0.196 18Oct96 17:18 %R = 122.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
BLANK QC	0.00		0.032	0.032 18Oct96 17:21 CONCENTRATION LESS THAN IDL

ANALYST 10-18-96 DATE
REVIEW 10-18-96 DATE
DATA ENTRY 10-21-96 DATE
ANALYTE INST.#

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
BLANK QC	0.00		-0.018	-0.018 10Oct96 17:24 CONCENTRATION LESS THAN IDL
CCV 18 QC 5ppb	4.60	0.0	0.167	0.167 10Oct96 17:26 %R = 91.9
CCB 18 QC	-0.23	0.0	-0.008	-0.008 10Oct96 17:27 ADD = -0.004 CONCENTRATION LESS THAN IDL
LCS QC	2.64	0.0	0.094	0.094 10Oct96 17:29
BLANK QC	0.00		-0.009	-0.009 10Oct96 17:32 CONCENTRATION LESS THAN IDL
CCV 19 QC 5ppb	4.82	0.0	0.176	0.176 10Oct96 17:33 %R = 96.5
CCB 19 QC	-0.01	0.0	-0.000	-0.000 10Oct96 17:35 ADD = 0.001 CONCENTRATION LESS THAN IDL
LCS QC	2.96	0.0	0.106	0.106 10Oct96 17:37
QCSPIKE A QC	4.90	0.0	0.179	0.179 10Oct96 17:39 %R = 64.6 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC	2.74	0.0	0.098	0.098 10Oct96 17:40
QCSPIKE A QC	8.11	0.0	0.271	0.271 10Oct96 17:42 %R = 178.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC	2.95	0.0	0.106	0.106 10Oct96 17:44
QCSPIKE A QC	7.03	0.0	0.244	0.244 10Oct96 17:46 %R = 155.3 %R FAILED, REPEAT BY STANDARD ADDITIONS
11029-1 1:5 QC	1.38	0.0	0.049	0.049 10Oct96 17:48
QCSPIKE A QC	3.20	0.0	0.115	0.115 10Oct96 17:50 %R = 69.8 %R FAILED, REPEAT BY STANDARD ADDITIONS

ANALYST [illegible] 10-18-96 DATE
REVIEW [illegible] 10-18-96 DATE
DATA ENTRY [illegible] 10-21-96 DATE
ANALYTE / INST.#

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
11329-1DP1:5 QC	1.27	0.0	0.045	0.045 10Oct96 17:51
QCSPIKE A QC	3.34	0.0	0.120	0.120 10Oct96 17:53 %R = 68.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
QC	-0.12	0.0	-0.004	-0.004 10Oct96 17:55 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.29	0.0	0.118	0.118 10Oct96 17:57 %R = 109.5
QC	-0.13	0.0	-0.004	-0.004 10Oct96 17:59 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.29	0.0	0.118	0.118 10Oct96 18:00 %R = 109.7
QC	-0.13	0.0	-0.005	-0.005 10Oct96 18:02 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.16	0.0	0.113	0.113 10Oct96 18:04 %R = 105.4
QC	-0.16	0.0	-0.006	-0.006 10Oct96 18:06 CONCENTRATION LESS THAN IDL
BLANK QC	0.00		-0.008	-0.008 10Oct96 18:08 CONCENTRATION LESS THAN IDL
CCV 20 QC Epp3	3.60 Q	0.0	0.130	0.130 10Oct96 18:10 %R = 72.0
BLANK QC	0.00		0.002	0.002 10Oct96 18:13 CONCENTRATION LESS THAN IDL
CCV 21 QC Epp3	4.71	0.0	0.171	0.171 10Oct96 18:15 %R = 94.1
CCB 21 QC	0.04	0.0	0.002	0.002 10Oct96 18:18 ABS = 0.011
LCS QC	2.79	0.0	0.100	0.100 10Oct96 18:13

ANALYST 10-18-96 DATE
REVIEW 10-18-96 DATE
DATA ENTRY 10-17-96 DATE
ANALYTE INST.#

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	4.35	0.0	0.158	0.158 10Oct96 10:20 %R = 51.7 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC	2.50	0.0	0.089	0.089 10Oct96 10:22
QCSPIKE A QC	2.98	0.0 E	0.107	0.107 10Oct96 10:24 %R = 15.9 %R LESS THAN MINIMUM LIMIT
RWMSD QC	2.58	0.0	0.092	0.092 10Oct96 10:26
QCSPIKE A QC	3.27	0.0 E	0.117	0.117 10Oct96 10:27 %R = 23.1 %R LESS THAN MINIMUM LIMIT
11329-1 1:5 QC	1.29	0.0	0.045	0.045 10Oct96 10:29
QCSPIKE A QC	2.85	0.0	0.102	0.102 10Oct96 10:31 %R = 52.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
11329-1DP1:5 QC	1.21	0.0	0.043	0.043 10Oct96 10:33
QCSPIKE A QC	2.74	0.0	0.098	0.098 10Oct96 10:35 %R = 51.1 %R FAILED, REPEAT BY STANDARD ADDITIONS
QC	-0.03	0.0	-0.001	-0.001 10Oct96 10:36 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.47	0.0 W	0.125	0.125 10Oct96 10:38 %R = 115.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.02	0.0	0.001	0.001 10Oct96 10:40 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.56	0.0 W	0.128	0.128 10Oct96 10:42 %R = 118.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	-0.02	0.0	-0.001	-0.001 10Oct96 10:44 CONCENTRATION LESS THAN IDL

ANALYST [illegible] 10-18-96 DATE
REVIEW [illegible] 10-18-96 DATE
DATA ENTRY [illegible] 10-21-96 DATE
ANALYTE INST.#

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
CCSPIKE A QC	3.62	0.0 W	0.131	0.131 18Oct96 18:45 %R = 120.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.01	0.0	0.001	0.001 18Oct96 18:47 CONCENTRATION LESS THAN IDL
CCSPIKE A QC	3.59	0.0 W	0.129	0.129 18Oct96 18:49 %R = 119.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.04	0.0	0.001	0.001 18Oct96 18:51 CONCENTRATION LESS THAN IDL
CCSPIKE A QC	3.61	0.0 W	0.130	0.130 18Oct96 18:53 %R = 120.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV 22 QC	4.22	0.0	0.153	0.153 18Oct96 18:55 %R = 84.4
BLANK QC	0.00		-0.003	-0.003 18Oct96 18:58 CONCENTRATION LESS THAN IDL
CCV 23 QC	3.37	0.0 Q	0.121	0.121 18Oct96 19:00 %R = 67.3
BLANK QC	0.00		0.003	0.003 18Oct96 19:04 CONCENTRATION LESS THAN IDL
CCV 24 QC	3.55	0.0 Q	0.128	0.128 18Oct96 19:05 %R = 71.1
CCB 24 QC	-0.06	0.0	-0.002	-0.002 18Oct96 19:07 ABS = -0.003 CONCENTRATION LESS THAN IDL
LCS QC	1.91	0.0	0.068	0.068 18Oct96 19:09
BLANK QC	0.00		-0.003	-0.003 18Oct96 19:13 CONCENTRATION LESS THAN IDL
CCV 25 QC	3.59	0.0 Q	0.129	0.129 18Oct96 19:14 %R = 71.8

ANALYST 10-18-96 DATE
REVIEW 10-21-96 DATE
DATA ENTRY DATE
ANALYTE INST.#

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
CCB 25 QC	0.01	0.0	0.000	0.000 18Oct96 19:16 ABS = -0.001 CONCENTRATION LESS THAN IDL
BLANK QC	0.00		0.007	0.007 18Oct96 19:20 CONCENTRATION LESS THAN IDL
CCV 26 QC 5 ppb	5.21	0.0	0.189	0.189 18Oct96 19:22 %R = 104.2
CCB 26 QC	0.03	0.0	0.001	0.001 18Oct96 19:24 ABS = 0.002 CONCENTRATION LESS THAN IDL
LCS QC 3/11	2.66	0.0	0.095	0.095 18Oct96 19:26
QCSPIKE A QC	7.30	0.0	0.251	0.251 18Oct96 19:28 %R = 154.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC 3/11	2.48	0.0	0.088	0.088 18Oct96 19:29
QCSPIKE A QC	6.83	0.0	0.238	0.238 18Oct96 19:31 %R = 145.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC 3/11	2.57	0.0	0.092	0.092 18Oct96 19:33
QCSPIKE A QC	7.02	0.0	0.243	0.243 18Oct96 19:35 %R = 148.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
11329-1 1:5 QC	1.83	0.0	0.065	0.065 18Oct96 19:37
QCSPIKE A QC	5.60	0.0 W	0.202	0.202 18Oct96 19:39 %R = 125.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11329-1DP1:5 QC	1.91	0.0	0.068	0.068 18Oct96 19:40
QCSPIKE A QC	6.07	0.0 W	0.216	0.216 18Oct96 19:42 %R = 138.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION

ANALYST 10-18-96 DATE
REVIEW 10-18-96 DATE
DATA ENTRY 10-21-96 DATE
ANALYTE INST.#

SAMPLE	CONC ppb	%RSD	MEAN ABS	READINGS
QC	0.04	0.0	0.001	0.001 18Oct96 19:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.39	0.0	0.122	0.122 18Oct96 19:46 %R = 113.1
QC	0.01	0.0	0.000	0.000 18Oct96 19:47 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.37	0.0	0.121	0.121 18Oct96 19:49 %R = 112.3
QC	0.02	0.0	0.001	0.001 18Oct96 19:51 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.45 W	0.0	0.124	0.124 18Oct96 19:53 %R = 115.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.01	0.0	0.000	0.000 18Oct96 19:55 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.40	0.0	0.122	0.122 18Oct96 19:57 %R = 113.5
QC	0.01	0.0	0.001	0.001 18Oct96 19:58 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.32	0.0	0.119	0.119 18Oct96 20:00 %R = 110.5
CCV 27 QC 5 ppb	5.28	0.0	0.192	0.192 18Oct96 20:02 %R = 105.6
CCB 27 QC	0.01	0.0	0.001	0.001 18Oct96 20:04 ABS = 0.001 CONCENTRATION LESS THAN IDL
QC	-0.00	0.0	-0.000	-0.000 18Oct96 20:06 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	3.45 W	0.0	0.124	0.124 18Oct96 20:08 %R = 115.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION

ANALYST 10-18-96 DATE
REVIEW 10-18-96 DATE
DATA ENTRY 10-1-96 DATE
ANALYTE INST.#

(1144)

Varian SpectrAA 300/400 Zeeman QC Protocol Report

IN[redacted]CAPE TESTING SERVICES
NO[redacted] LABORATORY-DALLAS
FURNACE #4

OPERATOR	MARTY
DATE	10-10-96
BATCH	SB

ANALYST [redacted] 10/10/96 DATE
REVIEW [redacted] 10/10/96 DATE
DATA ENTRY [redacted] 4 DATE
ANALYTE [redacted] INST.#

QC PROTOCOL PARAMETERS

IF THERE IS AN ERROR	FLAG AND CONTINUE
QC SPIKE POSITION	50
RECOVERY LIMITS (%)	85 TO 115
RECOVERY MINIMUM LIMIT (%)	40
CORRELATION COEFFICIENT (r)	0.995
OVERRANGE VOLUME REDUCTION	5
REPLICATE RSD LIMIT (%)	20.0

Std. Lot #: AA108-20E Modifier Lot #: AA108-69A
ICV Lot #: AA108-20J CCV Lot #: AA108-20E
LCS & MS/MSD Lot #: 690614

PROGRAM 1 Sb PLAT.3PT.Pd

INSTRUMENT MODE	ABSORBANCE
CALIBRATION MODE	CONCENTRATION
MEASUREMENT MODE	PEAK AREA
LAMP POSITION	8
LAMP CURRENT (mA)	7
SLIT WIDTH (nm)	0.2
SLIT HEIGHT	NORMAL
WAVELENGTH (nm)	217.6
SAMPLE INTRODUCTION	SAMPLER AUTOMIXING
TIME CONSTANT	0.05
MEASUREMENT TIME (sec)	1.0
REPLICATES	1
BACKGROUND CORRECTION	ON
MAXIMUM ABSORBANCE	1.40

FURNACE PARAMETERS

STEP NO.	TEMPERATURE (C)	TIME (sec)	GAS FLOW (L/min)	GAS TYPE	READ COMMAND
1	225	10.0	3.0	NORMAL	NO
2	225	20.0	3.0	NORMAL	NO
3	1500	10.0	3.0	NORMAL	NO
4	1500	15.0	3.0	NORMAL	NO
5	1500	2.0	0.3	NORMAL	NO
6	2600	0.7	0.0	NORMAL	YES
7	2600	4.2	0.0	NORMAL	YES
8	2700	5.0	3.0	NORMAL	NO

SAMPLER PARAMETERS

	VOLUMES (µL) SOLUTION	BLANK	MODIFIER
BLANK	--	20	5
STANDARD 1	2	18	5
STANDARD 2	6	14	5
STANDARD 3	12	8	5
SAMPLE	20	0	5

RECALIBRATION RATE 0
RESLOPE RATE 0

MULTIPLE INJECT NO HOT INJECT YES PRE INJECT NO
TEMPERATURE 90
INJECT RATE 7

QC PROTOCOL PARAMETERS

QC STANDARD RATE	16
QC INITIAL STANDARD POSITION	48
QC INITIAL BLANK POSITION	51
QC CONTINUING STANDARD POSITION	49
QC CONTINUING BLANK POSITION	51
QC STANDARD VOLUME (µL)	20
QC STANDARD CONCENTRATION	50.0
QC STANDARD LIMITS (%)	80 TO 120
QC SPIKE RATE	1
QC SPIKE VOLUME (µL)	4
QC SPIKE CONCENTRATION	100.0
MATRIX SPIKE CONCENTRATION	0.0
INSTRUMENT DETECTION LIMIT	1.4
REQUIRED DETECTION LIMIT	2.5

10/10/96 DATE
ANALYST 10/10/96 DATE
REVIEW 10-10-96 DATE
DATA ENTRY ✓ DATE
ANALYTE INST.#

CONDITIONS FOR Sb :
Alternative Wavelengths (nm) : 231.2
Spectral Bandwidths (nm) : 0.5
Maximum Ash Temperature : 800°C
Recommended Atomize Temperature : 2000°C
Recommended Chemical Modifiers :
Palladium Chloride (500-2000µg/mL) plus reducing agent such as ascorbic acid, or
Nickel Nitrate (50-1000µg/mL).
Response with Argon : 10µL of 50ng/mL gives about 0.2 Abs.

The modifiers permit the use of a higher ashing temperature and enhance the analyte signal.
Use of a multi-element lamp may require a different slit width, lamp current and wavelength to isolate the analytical line.

PROGRAM 1 Sb PLAT.3PT.Pd QC ZEEMAN
BLANK REPLICATE 1
ABSORBANCE CONCENTRATION SAMPLER AUTOMIX
PEAK AREA MAX.ABS. 1.40 BC ON

AUTOMATIC RUN PAUSED PRINTING

SAMPLE LABELS

1. 20PPB IDL1	2. PB,DS:	3. LCS 25PPB
4. RWMS 25PPB	5. RWMD 25PPB	6. 10244-1
7. 10244-1D	8. 10244-2	9. 10313-2
10. 10313-3	11. 10313-4	12. 10729-1
13. 10729-2	14. 10729-3	15. 10729-4
16. 10729-5	17. 10729-6	18. 10729-7
19. 10854-1	20. 10854-2	21. 10854-3
22. 10854-4	23. 10854-5	24. 10854-6
25. 10854-8	26. 10854-9	27.
28.	29.	30.
31.	32.	33.
34.	35.	36.
37.	38.	39.
40.	41.	42.
43.	44.	45.

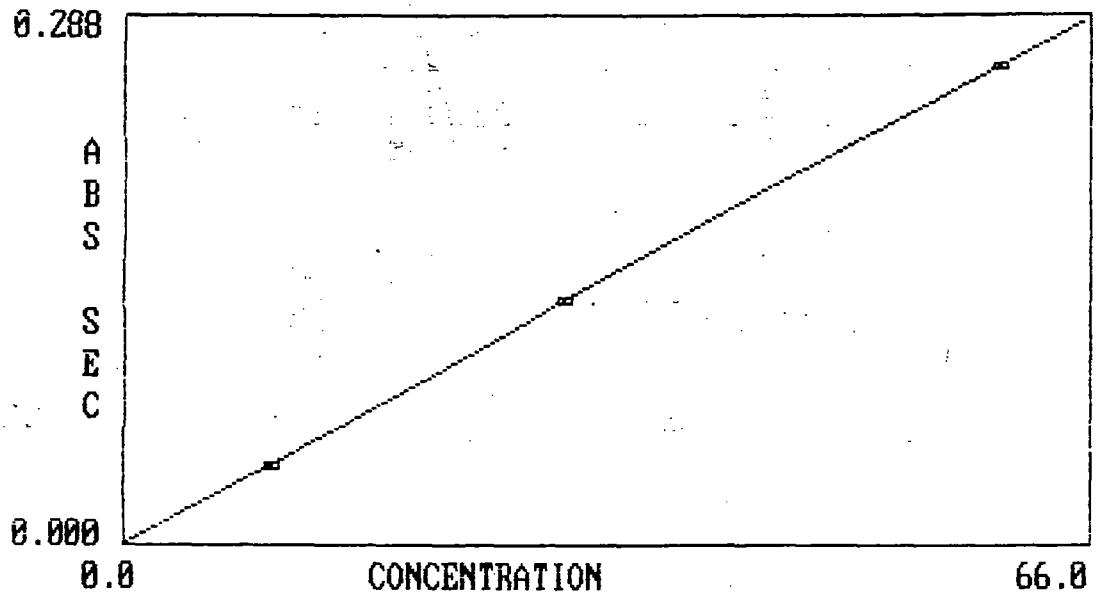
F INCREMENT
1 LABELS

F CALIBRA-
6 TION

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
BLANK QC	0.0		-0.008	-0.008 10Oct96 05:15 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	10.0	0.0	0.042	0.042 10Oct96 05:18
STANDARD 2 QC	30.0	0.0	0.133	0.133 10Oct96 05:20
STANDARD 3 QC	60.0	0.0	0.262	0.262 10Oct96 05:22

(0)r=0.999

ANALYST DATE 10/10/96
REVIEW DATE 10/10/96
DATA ENTRY DATE 10-10-96
ANALYTE INST.# 4



ANALYST	DATE 10/10/96
REVIEW	DATE 10/10/96
DATA ENTRY	DATE 10-8-96
ANALYTE	INST.#

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
ICV QC	38.9	0.0 Q	0.172	0.172 10Oct96 05:25 %R = ~~77.8~~ 108% 10-8-96
ICB QC	0.4	0.0	0.002	0.002 10Oct96 05:27 ABS = 0.000 CONCENTRATION LESS THAN IDL
20PPB IDL1 QC	21.6	0.0	0.094	0.094 10Oct96 05:29 108%
QCSPIKE A QC	37.3	0.0	0.165	0.165 10Oct96 05:32 %R = 78.4 %R FAILED, REPEAT BY STANDARD ADDITIONS

CCV 1 QC	51.6	0.0	0.226	0.226 100ct96 05:34 %R = 103.3	
CCB 1 QC	1.4	0.0	0.006	0.006 100ct96 05:36 ABS = 0.004	
PB[redacted]S:091996AF QC	0.8	0.0	0.004	0.004 100ct96 05:38 CONCENTRATION LESS THAN IDL	C

ANALYST 11/10/96 DATE
REVIEW 11/10/96 DATE
DATA ENTRY 10-8-96 DATE
ANALYTE INST.#

SAMPLE	CONC	%RSD	MEAN ABS	READINGS	
QCSPIKE A QC	19.9	0.0	0.087	0.087 100ct96 05:41 %R = 99.6	
LCS 25PPB QC	25.1	0.0	0.110	0.110 100ct96 05:43	100/.w 25.1 ug/L
QCSPIKE A QC	42.4	0.0	0.187	0.187 100ct96 05:45 %R = 86.4	
RWMS 25PPB QC	24.8	0.0	0.109	0.109 100ct96 05:47	99.2/.w 24.8 ug/L
QCSPIKE A QC	44.2	0.0	0.195	0.195 100ct96 05:50 %R = 96.9	1.56/.nn
RWMD 25PPB QC	26.8	0.0	0.118	0.118 100ct96 05:52	107/.w 26.8 ug/L
QCSPIKE A QC	44.5	0.0	0.196	0.196 100ct96 05:54 %R = 88.6	
10244-1 QC	1.5	0.0	0.006	0.006 100ct96 05:56	1.5 ug/L
QCSPIKE A QC	17.6 W	0.0	0.076	0.076 100ct96 05:59 %R = 80.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION	
10244-1D QC	0.1	0.0	0.000	0.000 100ct96 06:01 CONCENTRATION LESS THAN IDL	nc/.nn C
QCSPIKE A QC	18.2	0.0	0.079	0.079 100ct96 06:03 %R = 91.1	
10244-2 QC	-0.5	0.0	-0.002	-0.002 100ct96 06:05 CONCENTRATION LESS THAN IDL	C
QCSPIKE A QC	18.0	0.0	0.078	0.078 100ct96 06:08	

10313-2 QC	3.1	0.0	0.013	0.013 100ct96 06:10
QCSPIKE A QC	18.4	0.0 W	0.080	0.080 100ct96 06:12 %R = 76.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
CCV 2 QC	48.9	0.0	0.215	0.215 100ct96 06:14 %R = 97.7
CCB 2 QC	0.6	0.0	0.002	0.002 100ct96 06:17 ABS = 0.001 CONCENTRATION LESS THAN IDL
10313-3 QC	0.7	0.0	0.003	0.003 100ct96 06:19 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.2	0.0	0.074	0.074 100ct96 06:21 %R = 86.1
10313-4 QC	0.5	0.0	0.002	0.002 100ct96 06:23 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.7	0.0 W	0.067	0.067 100ct96 06:26 %R = 78.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10729-1 QC	-0.1	0.0	-0.001	-0.001 100ct96 06:28 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.1	0.0	0.078	0.078 100ct96 06:30 %R = 90.3
10729-2 QC	1.0	0.0	0.004	0.004 100ct96 06:32 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.2	0.0 W	0.065	0.065 100ct96 06:35 %R = 76.0 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10729-3 QC	0.3	0.0	0.001	0.001 100ct96 06:37 CONCENTRATION LESS THAN IDL

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QC		W		100ct96 06:39 %R = 81.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10729-4 QC	0.9	0.0	0.004	0.004 100ct96 06:41 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.7	0.0	0.076	0.076 100ct96 06:44 %R = 88.5

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
10729-5 QC	0.5	0.0	0.002	0.002 100ct96 06:46 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.8	0.0 W	0.072	0.072 100ct96 06:48 %R = 83.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10729-6 QC	1.6	0.0	0.007	0.007 100ct96 06:51
QCSPIKE A QC	16.3	0.0 W	0.070	0.070 100ct96 06:53 %R = 73.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV 3 QC	46.4	0.0	0.204	0.204 100ct96 06:55 %R = 92.7
CCB 3 QC	0.5	0.0	0.002	0.002 100ct96 06:57 ABS = 0.001 CONCENTRATION LESS THAN IDL
10729-7 QC	-1.2	0.0	-0.005	-0.005 100ct96 07:00 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.4	0.0	0.075	0.075 100ct96 07:02 %R = 87.1
10854-1 QC	-0.0	0.0	-0.000	-0.000 100ct96 07:04 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.1	0.0	0.078	0.078 100ct96 07:07 %R = 90.3
10854-2 QC	-2.3	0.0	-0.010	-0.010 100ct96 07:09 CONCENTRATION LESS THAN IDL
QCSPIKE A	13.7	0.0	0.059	0.059

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				%R = 68.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10854-3 QC	-0.7	0.0	-0.003	-0.003 100ct96 07:13 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.1	0.0 W	0.069	0.069 100ct96 07:16 %R = 80.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
10854-4 QC	-1.7	0.0	-0.007	-0.007 100ct96 07:18 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.3	0.0 W	0.070	0.070 100ct96 07:20 %R = 81.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10854-5 QC	-0.6	0.0	-0.003	-0.003 100ct96 07:23 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.3	0.0	0.075	0.075 100ct96 07:25 %R = 86.7
10854-6 QC	0.6	0.0	0.002	0.002 100ct96 07:27 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.7	0.0 W	0.068	0.068 100ct96 07:30 %R = 78.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10854-8 QC	-0.1	0.0	-0.001	-0.001 100ct96 07:32 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.9	0.0	0.077	0.077 100ct96 07:34 %R = 89.6
CCV 4 QC	46.4	0.0	0.204	0.204 100ct96 07:36 %R = 92.8
CCB 4 QC	-0.4	0.0	-0.002	-0.002 100ct96 07:39 ABS = -0.003 CONCENTRATION LESS THAN IDL
10854-9 QC	-0.3	0.0	-0.001	-0.001 100ct96 07:41 CONCENTRATION LESS THAN IDL

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QC				100ct96 07:43 %R = 95.1
QC	0.8	0.0	0.004	0.004 100ct96 07:45 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.5	0.0	0.094	0.094 100ct96 07:48 %R = 107.7

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
BLANK QC	0.0		-0.002	-0.002 100ct96 07:54 CONCENTRATION LESS THAN IDL
CCV 5 QC	47.7	0.0	0.210	0.210 100ct96 07:57 %R = 95.4
CCB 5 QC	1.2	0.0	0.005	0.005 100ct96 07:59 ABS = 0.003 CONCENTRATION LESS THAN IDL
PB,TL:14742 QC	0.8	0.0	0.003	0.003 100ct96 08:01 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.0	0.0	0.087	0.087 100ct96 08:03 %R = 99.9
LCS QC	45.2	0.0	0.199	0.199 100ct96 08:06
QCSPIKE A QC	58.8	0.0	0.256	0.256 100ct96 08:08 %R = 68.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
10759-2 QC	1.1	0.0	0.005	0.005 100ct96 08:10 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.1	0.0	0.083	0.083 100ct96 08:13 %R = 95.5
10759-2D QC	-0.3	0.0	-0.001	-0.001 100ct96 08:15 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.9	0.0	0.091	0.091 100ct96 08:17 %R = 104.3
10759-2MS QC	46.8	0.0	0.206	0.206 100ct96 08:19

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100%rec 50.2 ug/L

NC%rec

104%rec 52.0 ug/L

QCSPIKE A QC	63.0	0.0	0.274	0.274 100ct96 08:22
QCSPIKE A QC	161.7	0.0	0.144	0.144 100ct96 08:24 DF = 5.00
10759-2MS QC	52.8	0.0	0.045	0.045 100ct96 08:26 DF = 5.00

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	165.9	0.0	0.147	0.147 100ct96 08:28 DF = 5.00 %R = 113.1
10759-2MD QC	46.6	0.0	0.205	0.205 100ct96 08:30
QCSPIKE A QC	60.9	0.0	0.265	0.265 100ct96 08:32
QCSPIKE A QC	158.9	0.0	0.141	0.141 100ct96 08:35 DF = 5.00
CCV 6 QC	49.8	0.0	0.219	0.219 100ct96 08:37 %R = 99.6
CCB 6 QC	1.0	0.0	0.004	0.004 100ct96 08:39 ABS = 0.002 CONCENTRATION LESS THAN IDL
10759-2MD QC	47.9	0.0	0.041	0.041 100ct96 08:41 DF = 5.00
QCSPIKE A QC	165.8	0.0 W	0.147	0.147 100ct96 08:43 DF = 5.00 %R = 117.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-1 QC	1.0	0.0	0.004	0.004 100ct96 08:45 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	23.8	0.0 W	0.104	0.104 100ct96 08:48 %R = 119.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3 QC	0.7	0.0	0.003	0.003 100ct96 08:50 CONCENTRATION LESS THAN IDL

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QC				10Oct96 08:52 %R = 103.1
10809-4 QC	-0.4	0.0	-0.002	-0.002 10Oct96 08:54 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.9	0.0 W	0.068	0.068 10Oct96 08:57 %R = 79.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
10809-5 QC	-0.4	0.0	-0.002	-0.002 10Oct96 08:59 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.5	0.0 W	0.071	0.071 10Oct96 09:01 %R = 82.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
PB,DS:(10109GAF) QC	0.5	0.0	0.002	0.002 10Oct96 09:03 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.6	0.0 W	0.072	0.072 10Oct96 09:06 %R = 83.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC 25 ppb	24.3	0.0	0.107	0.107 10Oct96 09:08 97.2%ee 24.3 ug/L
QCSPIKE A QC	40.5	0.0	0.179	0.179 10Oct96 09:10 %R = 81.1 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC 25 ppb	26.2	0.0	0.116	0.116 10Oct96 09:12 105%ee 26.2 ug/L
QCSPIKE A QC	41.9	0.0	0.185	0.185 10Oct96 09:15 %R = 78.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
CCV 7 QC 50 ppb	50.4	0.0	0.221	0.221 10Oct96 09:17 %R = 100.8
CCB 7 QC	0.0	0.0	0.000	0.000 10Oct96 09:19 ABS = -0.002 CONCENTRATION LESS THAN IDL
R[illegible] QC 25 ppb	23.9	0.0	0.105	0.105 10Oct96 09:21 9.37%ee 95.6%ee 23.9 ug/L
QCSPIKE A QC	38.6	0.0	0.171	0.171 10Oct96 09:24

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%R = 73.9
%R FAILED. REPEAT BY STANDARD ADDITIONS

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
10809-13 QC 10/10/96	-0.4	0.0	-0.002	-0.002 100ct96 09:26 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.8 W	0.0	0.073	0.073 100ct96 09:28 %R = 84.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-13D QC mg 10/10/96	0.0	0.0	0.000	0.000 100ct96 09:31 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.1 W	0.0	0.065	0.065 100ct96 09:33 %R = 75.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-1 QC mg 10/10/96	-0.5	0.0	-0.002	-0.002 100ct96 09:35 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	2.4 E	0.0	0.010	0.010 100ct96 09:37 %R = 11.8 %R LESS THAN MINIMUM LIMIT
10809-4 QC	0.2	0.0	0.001	0.001 100ct96 09:40 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.3	0.0	0.075	0.075 100ct96 09:42 %R = 86.6
10809-5 QC	-0.3	0.0	-0.001	-0.001 100ct96 09:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.1	0.0	0.074	0.074 100ct96 09:47 %R = 85.3
PB,TL:14713 QC	-0.2	0.0	-0.001	-0.001 100ct96 09:49 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.5	0.0	0.080	0.080 100ct96 09:51 %R = 92.7
LCS QC	0.5	0.0	0.002	0.002 100ct96 09:53 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.2	0.0	0.079	0.079 100ct96 09:56

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				%R = 91.1	
CCV 8 QC	46.0	0.0	0.202	0.202 100ct96 09:58 %R = 91.9	
CCB 8 QC	0.2	0.0	0.001	0.001 100ct96 10:00 ABS = -0.001 CONCENTRATION LESS THAN IDL	

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SAMPLE	CONC	%RSD	MEAN ABS	READINGS
10663-2 QC	0.0	0.0	0.000	0.000 100ct96 10:03 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.1	0.0	0.074	0.074 100ct96 10:05 %R = 85.7
10663-2MS QC	-0.3	0.0	-0.001	-0.001 100ct96 10:07 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.5	0.0	0.076	0.076 100ct96 10:10 %R = 87.7
10663-2MD QC	40.3	0.0	0.178	0.178 100ct96 10:12
QCSPIKE A QC	53.2	0.0	0.233	0.233 100ct96 10:14 %R = 65.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
10313-2 QC	36.6	0.0	0.162	0.162 100ct96 10:16
QCSPIKE A QC	53.8	0.0	0.236	0.236 100ct96 10:19 %R = 86.4
10313-3 QC	4.4	0.0	0.019	0.019 100ct96 10:21
QCSPIKE A QC	20.4 W	0.0	0.089	0.089 100ct96 10:23 %R = 80.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10313-4 QC	0.7	0.0	0.003	0.003 100ct96 10:26 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.7 W	0.0	0.072	0.072 100ct96 10:28 %R = 83.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION

QC				100ct96 10:30 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.7	0.0	0.086	0.086 100ct96 10:32 %R = 98.7
BLANK QC	0.0		0.032	0.032 100ct96 10:36 CONCENTRATION LESS THAN IDL

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
CCV 9 QC	48.2	0.0	0.212	0.212 100ct96 10:38 %R = 96.5
CCB 9 QC	-0.3	0.0	-0.001	-0.001 100ct96 10:40 ABS = 0.003 CONCENTRATION LESS THAN IDL

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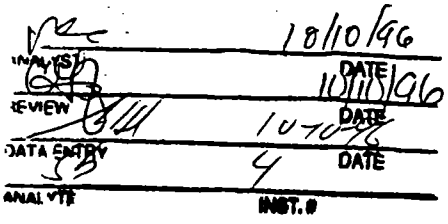
BLANK QC	0.0		-0.009	-0.009 100ct96 10:58 CONCENTRATION LESS THAN IDL
CC[redacted]10 QC	47.0	0.0	0.207	0.207 100ct96 11:00 %R = 93.9
CCB 10 QC	-0.2	0.0	-0.001	-0.001 100ct96 11:02 ABS = 0.002 CONCENTRATION LESS THAN IDL
LCS QC	16.7	0.0	0.072	0.072 100ct96 11:04
QCSPIKE A QC	31.8	0.0	0.141	0.141 100ct96 11:07 %R = 75.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC	20.0	0.0	0.087	0.087 100ct96 11:09
QCSPIKE A QC	36.1	0.0	0.160	0.160 100ct96 11:11 %R = 80.7 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC	17.0	0.0	0.073	0.073 100ct96 11:13
QCSPIKE A QC	29.8	0.0	0.133	0.133 100ct96 11:16 %R = 64.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
 QC	0.3	0.0	0.001	0.001 100ct96 11:18 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	23.9	0.0 W	0.105	0.105 100ct96 11:20 %R = 119.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
BLANK QC	0.0		-0.004	-0.004 100ct96 11:24 CONCENTRATION LESS THAN IDL

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
C[redacted]11 QC	52.3	0.0	0.229	0.229 100ct96 11:26 %R = 104.6
CCB 11	-0.3	0.0	-0.001	-0.001

ABS = 0.001
CONCENTRATION LESS THAN IDL



BLANK QC	0.0		-0.004	-0.004 100ct96 11:47 CONCENTRATION LESS THAN IDL
CC[redacted]12 QC	50.3	0.0	0.221	0.221 100ct96 11:50 %R = 100.7
CCB 12 QC	0.4	0.0	0.002	0.002 100ct96 11:52 ABS = 0.003 CONCENTRATION LESS THAN IDL
10PPB IDL1 QC	9.0	0.0	0.038	0.038 100ct96 11:54
QCSPIKE A QC	29.4	0.0	0.131	0.131 100ct96 11:56 %R = 102.2
10PPB IDL2 QC	10.4	0.0	0.044	0.044 100ct96 11:59
QCSPIKE A QC	29.4	0.0	0.130	0.130 100ct96 12:01 %R = 95.0
10PPB IDL3 QC	9.1	0.0	0.039	0.039 100ct96 12:03
QCSPIKE A QC	29.5	0.0	0.131	0.131 100ct96 12:05 %R = 101.8
10PPB IDL4 QC	9.9	0.0	0.042	0.042 100ct96 12:07
QCSPIKE A QC	29.7	0.0	0.132	0.132 100ct96 12:10 %R = 99.1
10PPB IDL5 QC	10.4	0.0	0.044	0.044 100ct96 12:12
QCSPIKE A QC	30.3	0.0	0.135	0.135 100ct96 12:14 %R = 99.6

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SAMPLE	CONC	%RSD	MEAN ABS	READINGS
1[redacted]B IDL6 QC	10.9	0.0	0.046	0.046 100ct96 12:16
QCSPIKE A QC	28.8	0.0	0.128	0.128 100ct96 12:19

10PPB IDL7 QC	10.6	0.0	0.045	0.045 100ct96 12:21
QCSPIKE A QC	28.9	0.0	0.128	0.128 100ct96 12:23 %R = 91.6
BLANK QC	0.0		-0.019	-0.019 100ct96 12:28 CONCENTRATION LESS THAN IDL
CCV 13 QC SOgr	49.9	0.0	0.219	0.219 100ct96 12:30 %R = 99.8
CCB 13 QC	0.0	0.0	0.000	0.000 100ct96 12:32 ABS = -0.002 CONCENTRATION LESS THAN IDL
PB,TL:14746 QC	-2.1	0.0	-0.009	-0.009 100ct96 12:34 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.2	0.0	0.088	0.088 100ct96 12:37 %R = 101.0
LCS QC SOgr	47.2	0.0	0.207	0.207 100ct96 12:39
QCSPIKE A QC	63.6	0.0	0.277	0.277 100ct96 12:41
QCSPIKE A QC	167.0	0.0	0.148	0.148 100ct96 12:43 DF = 5.00
LCS QC	50.7	0.0	0.043	0.043 100ct96 12:45 DF = 5.00
QCSPIKE A QC	176.0 W	0.0	0.156	0.156 100ct96 12:48 DF = 5.00 %R = 125.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3 QC	1.7	0.0	0.007	0.007 100ct96 12:50
QCSPIKE A QC	18.0 W	0.0	0.078	0.078 100ct96 12:52 %R = 81.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION

SAMPLE	CONC	%RSD	MEAN ABS	READINGS

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QC				100ct96 12:54 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.6	0.0 W	0.071	0.071 100ct96 12:57 %R = 83.0 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3MS QC	39.5	0.0	0.174	0.174 100ct96 12:59
QCSPIKE A QC	51.3	0.0	0.225	0.225 100ct96 13:01 %R = 59.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-3MD QC	40.0	0.0	0.177	0.177 100ct96 13:03
QCSPIKE A QC	55.7	0.0	0.243	0.243 100ct96 13:06 %R = 78.2 %R FAILED, REPEAT BY STANDARD ADDITIONS
CCV 14 QC	46.7	0.0	0.205	0.205 100ct96 13:08 %R = 93.4
CCB 14 QC	0.6	0.0	0.003	0.003 100ct96 13:10 ABS = 0.000 CONCENTRATION LESS THAN IDL
10809-1 QC	-1.0	0.0	-0.004	-0.004 100ct96 13:12 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	17.4	0.0	0.075	0.075 100ct96 13:14 %R = 86.8
10809-4 QC	0.1	0.0	0.001	0.001 100ct96 13:17 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.7	0.0 W	0.072	0.072 100ct96 13:19 %R = 83.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 QC	-1.1	0.0	-0.004	-0.004 100ct96 13:21 CONCENTRATION LESS THAN IDL

SAMPLE	CONC	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	15.6	0.0 W	0.067	0.067 100ct96 13:23 %R = 78.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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QC				100ct96 13:26 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.7	0.0	0.090	0.090 100ct96 13:28 %R = 103.3
QC	-1.4	0.0	-0.006	-0.006 100ct96 13:30 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.0	0.0	0.091	0.091 100ct96 13:33 %R = 105.0
QC	-0.4	0.0	-0.001	-0.001 100ct96 13:35 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.2	0.0	0.092	0.092 100ct96 13:37 %R = 105.8
QC	0.7	0.0	0.003	0.003 100ct96 13:39 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	22.0	0.0	0.096	0.096 100ct96 13:42 %R = 109.9
QC	0.2	0.0	0.001	0.001 100ct96 13:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.7	0.0	0.094	0.094 100ct96 13:46 %R = 108.3
CCV 15 QC SOIL	48.7	0.0	0.214	0.214 100ct96 13:48 %R = 97.3
CCB 15 QC	0.1	0.0	0.001	0.001 100ct96 13:51 ABS = -0.002 CONCENTRATION LESS THAN IDL

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1205

Varian SpectrAA 300/400 Zeeman
QC Protocol Report

INCHCAPE TESTING SERVICES
QC LABORATORY-DALLAS
FURNACE #2

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AUDIT DATE INST.#

OPERATOR MARTY
DATE 10-24-96
BATCH PB

QC PROTOCOL PARAMETERS

IF THERE IS AN ERROR	FLAG AND CONTINUE
QC SPIKE POSITION	50
RECOVERY LIMITS (%)	85 TO 115
RECOVERY MINIMUM LIMIT (%)	40
CORRELATION COEFFICIENT (r)	0.995
OVERRANGE VOLUME REDUCTION	5
REPLICATE RSD LIMIT (%)	20.0

Std. Lot #: AB108-74K Modifier Lot #: AB108-TSA
ICV Lot #: AB108-14C CCV Lot #: AB108-74K
LCS & MS/MSD Lot #: 690619

PROGRAM 42 Pb PLATFORM 3PT. Pd

INSTRUMENT MODE	ABSORBANCE
CALIBRATION MODE	CONCENTRATION
MEASUREMENT MODE	PEAK AREA
LAMP POSITION	2
LAMP CURRENT (mA)	3
SLIT WIDTH (nm)	0.5
SLIT HEIGHT	NORMAL
WAVELENGTH (nm)	283.3
SAMPLE INTRODUCTION	SAMPLER AUTOMIXING
TIME CONSTANT	0.05
MEASUREMENT TIME (sec)	1.0
REPLICATES	1
BACKGROUND CORRECTION	ON
MAXIMUM ABSORBANCE	1.40

FURNACE PARAMETERS

STEP NO.	TEMPERATURE (C)	TIME (sec)	GAS FLOW (L/min)	GAS TYPE	READ COMMAND
1	250	15.0	3.0	NORMAL	NO
2	250	• 10.0	3.0	NORMAL	NO
3	900	10.0	3.0	NORMAL	NO
4	900	8.0	3.0	NORMAL	NO
5	900	2.0	0.3	NORMAL	NO
6	2300	0.7	0.0	NORMAL	YES
7	2300	4.0	0.0	NORMAL	YES
8	2400	5.0	3.0	NORMAL	NO

SAMPLER PARAMETERS

VOLUMES (µL)

	SOLUTION	BLANK	MODIFIER
BLANK	--	20	5
STANDARD 1	1	19	5
STANDARD 2	3	17	5
STANDARD 3	10	10	5
STANDARD 4	20	0	5
SAMPLE	20	0	5

RECALIBRATION RATE 0
RESLOPE RATE 0

MULTIPLE INJECT NO HOT INJECT YES PRE INJECT NO
TEMPERATURE 90
INJECT RATE 7

QC PROTOCOL PARAMETERS

QC STANDARD RATE	20
QC INITIAL STANDARD POSITION	48
QC INITIAL BLANK POSITION	51
QC CONTINUING STANDARD POSITION	49
QC CONTINUING BLANK POSITION	51
QC STANDARD VOLUME (µL)	20
QC STANDARD CONCENTRATION	30.00 PPB
QC STANDARD LIMITS (%)	80 TO 120
QC SPIKE RATE	1
QC SPIKE VOLUME (µL)	4
QC SPIKE CONCENTRATION	100.00PPB
MATRIX SPIKE CONCENTRATION	0.00 PPB
INSTRUMENT DETECTION LIMIT	0.48 PPB
REQUIRED DETECTION LIMIT	3.00 PPB

CONDITIONS FOR Pb :
Alternative Wavelengths (nm) : 217.0 261.4
Spectral Bandwidths (nm) : 1.0 0.5
Maximum Ash Temperature : 600xC
Recommended Atomize Temperature : 2100xC
Recommended Chemical Modifiers :
Orthophosphoric acid (1000fg/mL), or
Ammonium dihydrogen orthophosphate (5mg/mL), or
EDTA, citrate, oxalate (0.5 - 1% v/v), or
Palladium Chloride (500-2000fg/mL) plus ascorbic acid.
Response with Argon : 20µL of 27ng/mL gives about 0.2 Abs.

Background may be higher at the 217.0nm line, for which the MAX.ABS. is 0.6 and the MSR is 71%.
Use of a multi-element lamp may require a different slit width, lamp current and wavelength to isolate the analytical line.

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
BLANK	0.00		0.008	0.008
QC				24Oct96 09:28
				CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
STANDARD 1 QC	3.00	0.0	0.013	0.013 24Oct96 09:31
BLANK QC	0.00		0.005	0.005 24Oct96 09:38 CONCENTRATION LESS THAN IDL
BLANK QC	0.00		0.007	0.007 24Oct96 09:53 CONCENTRATION LESS THAN IDL
BLANK QC	0.00		-0.006	-0.006 24Oct96 09:56 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	3.00	0.0	0.014	0.014 24Oct96 09:58
STANDARD 2 QC	9.00	0.0	0.038	0.038 24Oct96 10:00
STANDARD 3 QC	30.00	0.0	0.131	0.131 24Oct96 10:02
STANDARD 4 QC	60.00	0.0	0.261	0.261 24Oct96 10:04

Corr=0.999

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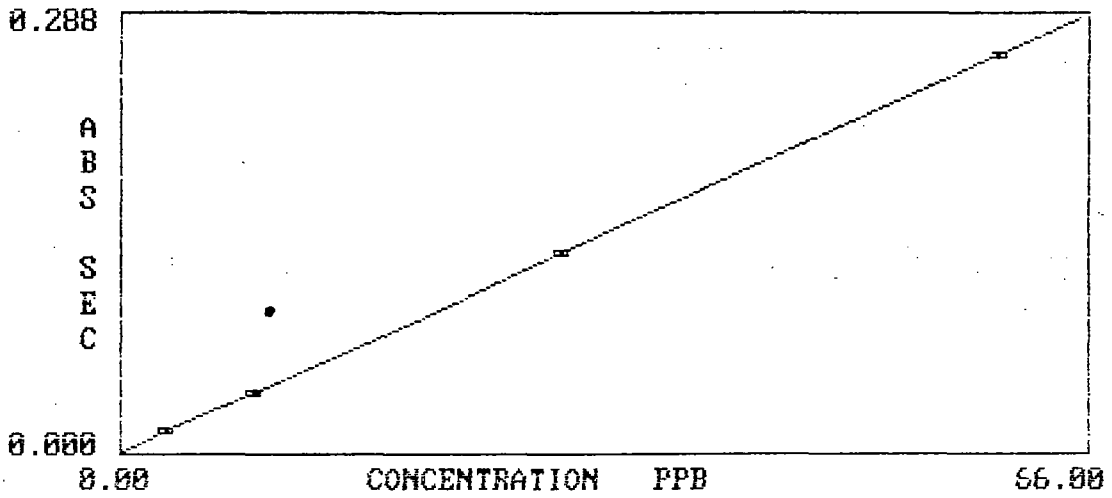
ANALYTE 2 INST.#



SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
ICV QC	20.95	0.0 Q	0.090	0.090 240ct96 10:07 %R = ~~69.8~~ 105 10-24-96
ICB QC	0.39	0.0	0.002	0.002 240ct96 ~~10~~:09 ABS = 0.005 CONCENTRATION LESS THAN IDL
5PPB STD QC	5.34	0.0	0.024	0.024 240ct96 10:11
QCSPIKE A QC	25.11	0.0	0.109	0.109 240ct96 10:13 %R = 98.9
CCV 1 QC	29.78	0.0	0.130	0.130 240ct96 10:15 %R = 99.3
CCB 1 QC	0.26	0.0	0.001	0.001 240ct96 10:17 ABS = 0.004 CONCENTRATION LESS THAN IDL
PB,DS(10076AF) QC	0.33	0.0	0.001	0.001 240ct96 10:19 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.01	0.0	0.081	0.081 240ct96 10:21 %R = 95.1
LCS 30PPB QC	30.64	0.0	0.134	0.134 240ct96 10:23
QCSPIKE A QC	44.05	0.0	0.192	0.192 240ct96 10:25 %R = 67.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS 30PPB QC	29.60	0.0	0.129	0.129 240ct96 10:27
QCSPIKE A QC	47.89	0.0	0.209	0.209 240ct96 10:29 %R = 91.5
RWMD 30PPB QC	30.15	0.0	0.132	0.132 240ct96 10:31
QCSPIKE A QC	45.17	0.0	0.197	0.197 240ct96 10:34 %R = 75.1 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-3 1:5 QC	0.14	0.0	0.001	0.001 240ct96 10:36 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	13.89	0.0 W	0.059	0.059 24Oct96 10:38 %R = 69.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3D 1:5 QC	-0.08	0.0	-0.000	-0.000 24Oct96 10:40 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	14.94	0.0 W	0.064	0.064 24Oct96 10:42 %R = 74.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-1 QC	0.22	0.0	0.001	0.001 24Oct96 10:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.84	0.0	0.094	0.094 24Oct96 10:46 %R = 109.2
10809-4 1:5 QC	1.29	0.0	0.006	0.006 24Oct96 10:48
QCSPIKE A QC	17.37	0.0 W	0.074	0.074 24Oct96 10:50 %R = 80.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 1:5 QC	1.47	0.0	0.007	0.007 24Oct96 10:52
QCSPIKE A QC	17.16	0.0 W	0.073	0.073 24Oct96 10:54 %R = 78.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
PB,NL:14944 QC	0.85	0.0	0.004	0.004 24Oct96 10:56
QCSPIKE A QC	21.74	0.0	0.094	0.094 24Oct96 10:58 %R = 104.5
CCV 2 QC	28.71	0.0	0.125	0.125 24Oct96 11:00 %R = 95.7
CCB 2 QC	0.64	0.0	0.003	0.003 24Oct96 11:02 ABS = 0.006
LCS QC	0.20	0.0	0.001	0.001 24Oct96 11:04 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	22.11	0.0	0.095	0.095 24Oct96 11:07 %R = 110.5
11600-1 QC	0.09	0.0	0.000	0.000 24Oct96 11:09 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.55	0.0	0.093	0.093 24Oct96 11:11 %R = 107.7
11600-1D QC	0.25	0.0	0.001	0.001 24Oct96 11:13 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.98	0.0	0.090	0.090 24Oct96 11:15 %R = 104.9
~~11600-1MS~~ QC	6.29	0.0	0.027	0.027 24Oct96 11:17
QCSPIKE A QC	24.80	0.0	0.107	0.107 24Oct96 11:19 %R = 92.5
BLANK QC	0.00		-0.008	-0.008 24Oct96 11:22 CONCENTRATION LESS THAN IDL
CCV 3 QC	30.00	0.0	0.131	0.131 24Oct96 11:24 %R = 100.0
CCB 3 QC	0.05	0.0	0.000	0.000 24Oct96 11:26 ABS = 0.002 CONCENTRATION LESS THAN IDL
11600-1MS QC	5.64	0.0	0.025	0.025 24Oct96 11:28
QCSPIKE A QC	25.40	0.0	0.110	0.110 24Oct96 11:30 %R = 98.8
11600-1MD QC	0.47	0.0	0.002	0.002 24Oct96 11:32 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.87	0.0	0.094	0.094 24Oct96 11:34 %R = 109.4
11654-1 1:5 QC	0.22	0.0	0.001	0.001 24Oct96 11:36 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A	~~21~~.66	0.0	0.093	0.093
QC				24Oct96 11:38
				%R = 108.3
	0.36	0.0	0.002	0.002
QC				24Oct96 ~~11~~:40
				CONCENTRATION LESS THAN IDL
QCSPIKE A	22.38	0.0	0.096	0.096
QC				24Oct96 11:43
				%R = 111.9
	0.63	0.0	0.003	0.003
QC				24Oct96 11:45
QCSPIKE A	19.71	0.0	0.085	0.085
QC				24Oct96 11:47
				%R = 95.4
	0.52	0.0	0.002	0.002
QC				24Oct96 11:49
QCSPIKE A	22.33	0.0	0.096	0.096
QC				24Oct96 11:51
				%R = 109.1
	0.48	0.0	0.002	0.002
QC				24Oct96 11:53
QCSPIKE A	22.50	0.0	0.097	0.097
QC				24Oct96 11:55
				%R = 110.1
	0.42	0.0	0.002	0.002
QC				24Oct96 11:57
				CONCENTRATION LESS THAN IDL
QCSPIKE A	21.29	0.0	0.092	0.092
QC				24Oct96 12:00
				%R = 106.4
	0.23	0.0	0.001	0.001
QC				24Oct96 12:02
				CONCENTRATION LESS THAN IDL
QCSPIKE A	22.17	0.0	0.096	0.096
QC				24Oct96 12:04
				%R = 110.9
	0.06	0.0	0.000	0.000
QC				24Oct96 12:06
				CONCENTRATION LESS THAN IDL
QCSPIKE A	22.22	0.0	0.096	0.096
QC				24Oct96 12:08
				%R = 111.1

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
CCV 4 QC	32.11	0.0	0.140	0.140 24Oct96 12:10 %R = 107.0
CCB 4 QC	0.47	0.0	0.002	0.002 24Oct96 12:12 ABS = 0.004 CONCENTRATION LESS THAN IDL
QC	0.25	0.0	0.001	0.001 24Oct96 12:14 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	22.19	0.0	0.096	0.096 24Oct96 12:16 %R = 111.0
QC	0.58	0.0	0.003	0.003 24Oct96 12:18
QCSPIKE A QC	21.73	0.0	0.094	0.094 24Oct96 12:21 %R = 105.7
QC	0.00	0.0	0.000	0.000 24Oct96 12:23 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.53	0.0	0.093	0.093 24Oct96 12:25 %R = 107.7
QC	0.58	0.0	0.003	0.003 24Oct96 12:27
QCSPIKE A QC	21.88	0.0	0.094	0.094 24Oct96 12:29 %R = 106.5
QC	0.42	0.0	0.002	0.002 24Oct96 12:31 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	22.21	0.0	0.096	0.096 24Oct96 12:33 %R = 111.0
QC	0.08	0.0	0.000	0.000 24Oct96 12:35 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.85	0.0	0.094	0.094 24Oct96 12:37 %R = 109.3
QC	0.69	0.0	0.003	0.003 24Oct96 12:39

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	22.05	0.0	0.095	0.095 24Oct96 12:41 %R = 106.8
QC	0.42	0.0	0.002	0.002 24Oct96 12:43 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.92	0.0	0.094	0.094 24Oct96 12:46 %R = 109.6
QC	0.42	0.0	0.002	0.002 24Oct96 12:48 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.76	0.0	0.094	0.094 24Oct96 12:50 %R = 108.8
QC	0.23	0.0	0.001	0.001 24Oct96 12:52 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.68	0.0	0.093	0.093 24Oct96 12:54 %R = 108.4
CCV 5 QC	29.53	0.0	0.129	0.129 24Oct96 12:56 %R = 98.4
CCB 5 QC	0.30	0.0	0.001	0.001 24Oct96 12:58 ABS = 0.003 CONCENTRATION LESS THAN IDL
QC	0.17	0.0	0.001	0.001 24Oct96 13:00 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	22.31	0.0	0.096	0.096 24Oct96 13:02 %R = 111.5
QC	0.06	0.0	0.000	0.000 24Oct96 13:04 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.79	0.0	0.094	0.094 24Oct96 13:06 %R = 108.9
QC	0.28	0.0	0.001	0.001 24Oct96 13:08 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	21.81	0.0	0.094	0.094 24Oct96 13:10 %R = 109.0
QC	0.41	0.0	0.002	0.002 24Oct96 13:12 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.13	0.0	0.091	0.091 24Oct96 13:14 %R = 105.6
QC	0.53	0.0	0.002	0.002 24Oct96 13:16
QCSPIKE A QC	22.05	0.0	0.095	0.095 24Oct96 13:19 %R = 107.6
QC	0.41	0.0	0.002	0.002 24Oct96 13:21 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.73	0.0	0.094	0.094 24Oct96 13:23 %R = 108.6
QC	0.16	0.0	0.001	0.001 24Oct96 13:25 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.08	0.0	0.091	0.091 24Oct96 13:27 %R = 105.4
BLANK QC	0.00		0.006	0.006 24Oct96 16:19 CONCENTRATION LESS THAN IDL > 2 HRS SINCE MOST RECENT QC STANDARD
CCV 6 QC 30pp	29.70	0.0	0.130	0.130 24Oct96 16:21 %R = 99.0
CCB 6 QC	0.01	0.0	0.000	0.000 24Oct96 16:24 ABS = 0.003 CONCENTRATION LESS THAN IDL
PB,NL:14979 QC 100/100	-0.01	0.0	-0.000	-0.000 24Oct96 16:26 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	22.19	0.0	0.096	0.096 24Oct96 16:28 %R = 111.0

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS	
LCS QC 40ppb	36.60	0.0	0.160	0.160 24Oct96 16:30	%R: 91.5 36.6 ug/L
QCSPIKE A QC	57.03	0.0	0.249	0.249 24Oct96 16:32 %R = 102.1	
11943-1 QC	4.42	0.0	0.020	0.020 24Oct96 16:34	4.42 ug/L
QCSPIKE A QC	25.40	0.0	0.110	0.110 24Oct96 16:36 %R = 104.9	
11943-1DP QC	4.56	0.0	0.020	0.020 24Oct96 16:38	4.56 ug/L
QCSPIKE A QC	21.14	0.0 W	0.091	0.091 24Oct96 16:40 %R = 82.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION	
11943-1MS QC 40ppb	40.00	0.0	0.174	0.174 24Oct96 16:42	%R: 89.0 40.0 ug/L
QCSPIKE A QC	58.50	0.0	0.255	0.255 24Oct96 16:44 %R = 92.5	
11943-1MD QC 40ppb	39.52	0.0	0.172	0.172 24Oct96 16:46	%RPD: 1.47 %R: 87.7 39.5 ug/L
QCSPIKE A QC	52.74	0.0	0.230	0.230 24Oct96 16:49 %R = 66.1 %R FAILED, REPEAT BY STANDARD ADDITIONS	
11939-1 QC	0.93	0.0	0.004	0.004 24Oct96 16:51	0.93 ug/L
QCSPIKE A QC	19.09	0.0	0.082	0.082 24Oct96 16:53 %R = 90.8	
10476-1 QC	0.85	0.0	0.004	0.004 24Oct96 16:55	0.85 ug/L
QCSPIKE A QC	20.91	0.0	0.090	0.090 24Oct96 16:57 %R = 100.3	
11941-1 1:5 QC	0.66	0.0	0.003	0.003 24Oct96 16:59	6.6 ug/L
QCSPIKE A	9.13	0.0 W	0.039	0.039 24Oct96 17:01 %R = 42.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION	

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
PB,NL:14920 QC 100/100	1.00	0.0	0.005	0.005 24Oct96 17:03
QCSPIKE A QC	19.68	0.0	0.084	0.084 24Oct96 17:05 %R = 93.4
CCV 7 QC 30 ppb	29.27	0.0	0.128	0.128 24Oct96 17:07 %R = 97.6
CCB 7 QC	-0.05	0.0	-0.000	-0.000 24Oct96 17:09 ABS = 0.002 CONCENTRATION LESS THAN IDL
LCS QC 20 ppb 100/100	19.34	0.0	0.083	0.083 24Oct96 17:11 %R=96.5
QCSPIKE A QC	33.92	0.0	0.148	0.148 24Oct96 17:13 %R = 72.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMS QC 20 ppb	19.04	0.0	0.082	0.082 24Oct96 17:15 %R=96.0
QCSPIKE A QC	37.38	0.0	0.163	0.163 24Oct96 17:17 %R = 91.7
RWMSD QC 20 ppb	18.43	0.0	0.079	%RPD=3.21 0.079 24Oct96 17:19 %R=92.0
QCSPIKE A QC	38.20	0.0	0.167	0.167 24Oct96 17:22 %R = 98.9
11329-1 1:5 QC 50/100	2.64	0.0	0.012	0.012 24Oct96 17:24
QCSPIKE A QC	10.94 W	0.0	0.046	0.046 24Oct96 17:26 %R = 41.5 %RPD=0.15 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11329-1DP1:5 QC	2.58	0.0	0.012	0.012 24Oct96 17:28
QCSPIKE A QC	10.54 E	0.0	0.045	0.045 24Oct96 17:30 %R = 39.8 ~~%R LESS THAN MINIMUM LIMIT~~
PB,NL:14944 QC 100/100	0.88	0.0	0.004	0.004 24Oct96 17:32

1.00 mg/L

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19.3 mg/L

19.0 mg/L

18.4 mg/L

26.4 mg/L

25.8 mg/L

0.88 mg/L

per 10/28/96

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	20.71	0.0	0.089	0.089 24Oct96 17:34 %R = 99.2
LCS QC 20ppb	17.65	0.0	0.075	0.075 24Oct96 17:36 %R=88.0
QCSPIKE A QC	36.87	0.0	0.161	0.161 24Oct96 17:38 %R = 96.1
11600-1 QC	0.68	0.0	0.003	0.003 24Oct96 17:40
QCSPIKE A QC	20.05	0.0	0.086	0.086 24Oct96 17:43 %R = 96.9
11600-1DP QC	0.30	0.0	0.001	0.001 24Oct96 17:45 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.40	0.0	0.083	0.083 24Oct96 17:47 %R = 97.0
11600-1MS QC	18.25	0.0	0.078	0.078 24Oct96 17:49 %R=87.6
QCSPIKE A QC	35.30	0.0	0.154	0.154 24Oct96 17:51 %R = 85.3
CCV 8 QC 30ppb	28.60	0.0	0.125	0.125 24Oct96 17:53 %R = 95.3
CCB 8 QC	0.25	0.0	0.001	0.001 24Oct96 17:55 ABS = 0.004 CONCENTRATION LESS THAN IDL
11600-1MD QC	16.42	0.0	0.070	0.070 24Oct96 17:57
QCSPIKE A QC	34.58	0.0	0.151	0.151 24Oct96 17:59 %R = 90.8
11654-1 1:5 QC	0.44	0.0	0.002	0.002 24Oct96 18:01 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	9.72	0.0 W	0.041	0.041 24Oct96 18:04 %R = 48.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION

ANALYST DATE 10/24/96
REVIEW DATE 10/25/96
DATA ENTRY DATE
ANALYTE INST.# 2

1202

Varian SpectrAA 300/400 Zeeman
QC Protocol Report

INCHCAPE TESTING SERVICES
NDRC LABORATORY-DALLAS
FURNACE #3

ANALYST	10/24/96 DATE
REVIEW	10/24/96 DATE
DATA ENTRY	10-24-96 DATE
ANALYTE	3 INST. #

OPERATOR	MARTY
DATE	10-24-96
BATCH	TL

QC PROTOCOL PARAMETERS:

IF THERE IS AN ERROR	FLAG AND CONTINUE
QC SPIKE POSITION	52
RECOVERY LIMITS (%)	85 TO 115
RECOVERY MINIMUM LIMIT (%)	40
CORRELATION COEFFICIENT (r)	0.995
OVERRANGE VOLUME REDUCTION	5
REPLICATE RSD LIMIT (%)	20.0

Std. Lot #: AB208-24K Modifier Lot #: AB208-25A

ICV Lot #: AB208-24C CCV Lot #: AB208-24K

LCS & MS/MSD Lot #: 690619

PROGRAM 5 T1 PLAT.3PT.Pd

INSTRUMENT MODE	ABSORBANCE
CALIBRATION MODE	CONCENTRATION
MEASUREMENT MODE	PEAK AREA
LAMP POSITION	6
LAMP CURRENT (mA)	10
SLIT WIDTH (nm)	0.5
SLIT HEIGHT	NORMAL
WAVELENGTH (nm)	276.8
SAMPLE INTRODUCTION	SAMPLER AUTOMIXING
TIME CONSTANT	0.05
MEASUREMENT TIME (sec)	1.0
REPLICATES	1
BACKGROUND CORRECTION	ON
MAXIMUM ABSORBANCE	0.55

FURNACE PARAMETERS

STEP NO.	TEMPERATURE (C)	TIME (sec)	GAS FLOW (L/min)	GAS TYPE	READ COMMAND
1	200	5.0	3.0	NORMAL	NO
2	200	10.0	3.0	NORMAL	NO
3	370	8.0	3.0	NORMAL	NO
4	370	15.0	3.0	NORMAL	NO
5	370	2.0	0.0	NORMAL	NO
6	1700	0.7	0.0	NORMAL	YES
7	1700	4.0	0.0	NORMAL	YES
8	2400	4.0	3.0	NORMAL	NO

SAMPLER PARAMETERS

VOLUMES (fL)

	SOLUTION	BLANK	MODIFIER
BLANK	--	20	5
STANDARD 1	2	18	5
STANDARD 2	6	14	5
STANDARD 3	12	8	5
SAMPLE	20	0	5

RECALIBRATION RATE 0

RESLOPE RATE 0

MULTIPLE INJECT NO HOT INJECT YES PRE INJECT NO

TEMPERATURE 90

INJECT RATE 7

QC PROTOCOL PARAMETERS

QC STANDARD RATE	20
QC INITIAL STANDARD POSITION	48
QC INITIAL BLANK POSITION	51
QC CONTINUING STANDARD POSITION	49
QC CONTINUING BLANK POSITION	51
QC STANDARD VOLUME (fL)	20
QC STANDARD CONCENTRATION	25.0 PPB
QC STANDARD LIMITS (%)	80 TO 120
QC SPIKE RATE	1
QC SPIKE VOLUME (fL)	4
QC SPIKE CONCENTRATION	100.0 PPB
MATRIX SPIKE CONCENTRATION	0.0 PPB
INSTRUMENT DETECTION LIMIT	1.0 PPB
REQUIRED DETECTION LIMIT	10.0 PPB

ANALYST	DATE 10/24/96
REVIEW	DATE 10/24/96
DATA ENTRY	DATE 10-4-96
ANALYTE	INST.# 3

CONDITIONS FOR Tl :

Alternative Wavelengths (nm) : 258.0

Spectral Bandwidths (nm) : 1.0

Maximum Ash Temperature : 400 xC

Recommended Atomize Temperature : 2200 xC

Recommended Chemical Modifiers :

1% sulphuric acid solution, or

Palladium Chloride solution (500-2000 fg/mL) plus reducing agent such as ascorbic acid.

Response with Argon : 10 fL of 75ng/mL gives about 0.2 Abs.

The 1% sulphuric acid overcomes severe interferences from hydrochloric acid, perchloric acid and sodium chloride. The palladium permits higher ashing temperatures.

Use of a multi-element lamp may require a different slit width, lamp current and wavelength to isolate the analytical line.

PROGRAM 5 T1 PLAT.3PT.Pd QC ZEEMAN
BLANK REPLICATE 1
ABSORBANCE CONCENTRATION SAMPLER AUTOMIX
PEAK AREA MAX.ABS. 0.55 BC ON

AUTOMATIC RUN PAUSED PRINTING

SAMPLE LABELS

1. 10PPB STD	2. PB,TS:14815	3. LCS
4. 10569-5	5. 10569-5D	6. 10569-5MS
7. 10569-5MD	8. 10026-2	9. PB,NL:14777
10. LCS	11. 11118-1	12. 11118-1D
13. 11118-1MS	14. 11118-1MD	15. 11130-1
16. PB,NL:14891	17. LCS	18. 11211-1
19. 11211-1D	20. 11211-1MS	21. 11211-1MD
22. 11196-1	23. 11196-2	24. 11196-3
25. PB,TL:14758	26. LCS	27. 10920-1
28. 10920-1D	29. 10920-1MS	30. 10920-1MD
31. 10891-1	32. 10891-2	33. PB,TL:14771
34. LCS	35. 11007-5	36. 11007-5D
37. 11007-5MS	38. 11007-5MD	39. 10977-1
40.	41.	42.
43.	44.	45.

F INCREMENT 1 LABELS

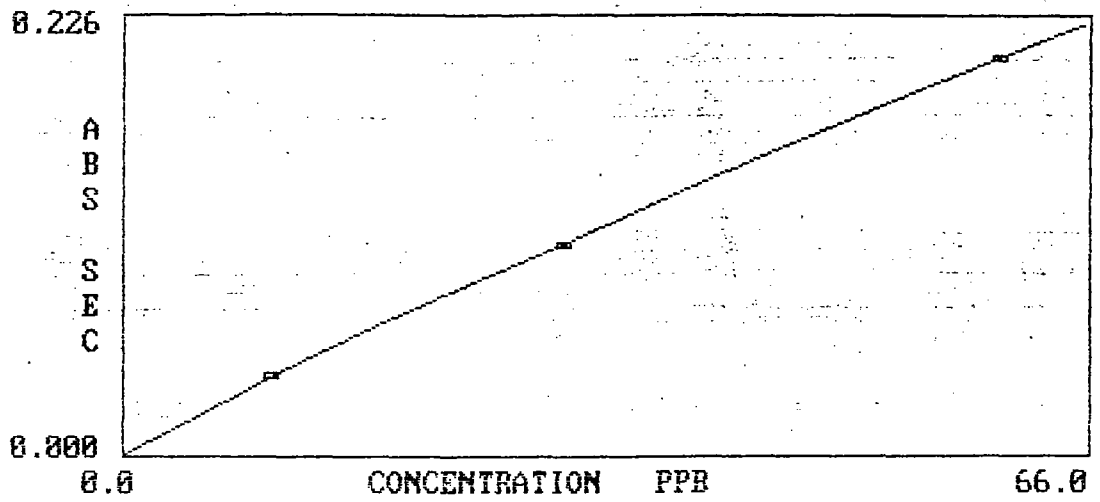
F CALIBRATION 6

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
BLANK QC	0.0		-0.003	-0.003 24Oct96 04:05 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	10.0	0.0	0.014	0.014 24Oct96 04:07
STANDARD 2 QC	30.0	0.0	0.042	0.042 24Oct96 04:09
BLANK QC	0.0		0.003	0.003 24Oct96 04:13 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	10.0	0.0	0.017	0.017 24Oct96 04:15
STANDARD 2 QC	30.0	0.0	0.041	0.041 24Oct96 04:17
BLANK QC	0.0		0.002	0.002 24Oct96 04:21 CONCENTRATION LESS THAN IDL
STANDARD 1 QC	10.0	0.0	0.040	0.040 24Oct96 04:23

ANALYST DATE 10/24/96
REVIEW DATE 10-24-96
DATA ENTRY DATE
INST.#

corr=0.999

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
STANDARD 2 QC	30.0	0.0	0.109	0.109 24Oct96 04:25
STANDARD 3 QC	60.0	0.0	0.206	0.206 24Oct96 04:27



ICV QC 40%	39.1	0.0 Q	0.139	0.139 24Oct96 04:29 %R = 156.6
ICB QC	0.4	0.0	0.002	0.002 24Oct96 04:31 ABS = 0.002 CONCENTRATION LESS THAN IDL
10PPB STD QC	10.0	0.0	0.040	0.040 24Oct96 04:33 100%
QCSPIKE A QC	32.0	0.0	0.115	0.115 24Oct96 04:35 %R = 110.4
BLANK QC	0.0		-0.004	-0.004 24Oct96 04:38 CONCENTRATION LESS THAN IDL

ANALYST MC 10/24/96 DATE
REVIEW 10/24/96 DATE
DATA ENTRY 10/29/96 DATE
ANALYTE 3 INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS		
CCV 2 QC 25 SW 11/18/96	24.6	0.0	0.091	0.091 24Oct96 04:40 %R = 98.2		
CCB 2 QC	-0.2	0.0	-0.001	-0.001 24Oct96 04:42 ABS = -0.001 CONCENTRATION LESS THAN IDL		
PB,NL:14777 QC 100/100	0.1	0.0	0.000	0.000 24Oct96 04:44 CONCENTRATION LESS THAN IDL		C
QCSPIKE A QC	21.5	0.0	0.081	0.081 24Oct96 04:46 %R = 107.4		
LCS QC 40 ppb	38.1	0.0	0.136	0.136 24Oct96 04:48	95.2 %rec	38.1 ug/L
QCSPIKE A QC	56.5	0.0	0.195	0.195 24Oct96 04:50 %R = 92.4		
11118-1 QC	-0.5	0.0	-0.002	-0.002 24Oct96 04:52 CONCENTRATION LESS THAN IDL		C
QCSPIKE A QC	19.0	0.0	0.072	0.072 24Oct96 04:54 %R = 94.9		
11118-1D QC	0.2	0.0	0.001	0.001 24Oct96 04:56 CONCENTRATION LESS THAN IDL	NC/RPD	C
QCSPIKE A QC	20.5	0.0	0.078	0.078 24Oct96 04:58 %R = 102.4		
11118-1MS QC 40 ppb	37.0	0.0	0.132	0.132 24Oct96 04:59	92.5 %rec	37.0 ug/L
QCSPIKE A QC	56.0	0.0	0.193	0.193 24Oct96 05:02 %R = 94.9		
11118-1MD QC 40 ppb	37.0	0.0	0.132	0.132 24Oct96 05:03	0.00 %RPD 92.5 %rec	37.0 ug/L
QCSPIKE A QC	55.0	0.0	0.190	0.190 24Oct96 05:06 %R = 89.7		
11130-1 QC	0.8	0.0	0.003	0.003 24Oct96 05:07 CONCENTRATION LESS THAN IDL		C

ANALYST NE DATE 10/24/96
REVIEW NE DATE 10/24/96
DATA ENTRY DATE 10-29-96
ANALYTE 3 INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	19.4	0.0	0.074	0.074 24Oct96 05:10 %R = 97.2
PB,NL:14891 QC	0.1	0.0	0.000	0.000 24Oct96 05:11 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.3	0.0	0.077	0.077 24Oct96 05:14 %R = 101.4
LCS QC	38.1	0.0	0.136	0.136 24Oct96 05:15
QCSPIKE A QC	58.7	0.0	0.202	0.202 24Oct96 05:18 %R = 103.2
11211-1 QC	1.2	0.0	0.005	0.005 24Oct96 05:19
QCSPIKE A QC	16.0	0.0 W	0.062	0.062 24Oct96 05:22 %R = 74.0 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV QC	24.1	0.0	0.090	0.090 24Oct96 05:23 %R = 96.6
CCB QC	-0.2	0.0	-0.001	-0.001 24Oct96 05:25 ABS = -0.001 CONCENTRATION LESS THAN IDL
11211-1D QC	-0.1	0.0	-0.000	-0.000 24Oct96 05:27 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.1	0.0 W	0.059	0.059 24Oct96 05:29 %R = 75.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
11211-1MS QC	28.3	0.0	0.103	0.103 24Oct96 05:31
QCSPIKE A QC	44.1	0.0	0.155	0.155 24Oct96 05:33 %R = 78.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
11211-1MD QC	27.3	0.0	0.100	0.100 24Oct96 05:35
QCSPIKE A QC	40.8	0.0	0.145	0.145 24Oct96 05:38 %R = 67.5 %R FAILED, REPEAT BY STANDARD ADDITIONS

ANALYST DATE 10/24/96
REVIEW DATE 10-24-96
DATA ENTRY DATE
ANALYTE INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
11196-1 100/100 QC	-0.0	0.0	-0.000	-0.000 24Oct96 05:39 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.0	0.0	0.079	0.079 24Oct96 05:42 %R = 105.1
11196-2 QC	-0.3	0.0	-0.001	-0.001 24Oct96 05:44 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.2	0.0	0.077	0.077 24Oct96 05:46 %R = 101.1
11196-3 QC	0.1	0.0	0.000	0.000 24Oct96 05:48 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.3	0.0	0.073	0.073 24Oct96 05:50 %R = 96.3
PB,TL:14758 QC 45/50	-0.4	0.0	-0.001	-0.001 24Oct96 05:52 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.5	0.0	0.074	0.074 24Oct96 05:54 %R = 97.3
LCS QC 40/	35.8	0.0	0.128	0.128 24Oct96 05:56 99.5 /free 39.8
QCSPIKE A QC	54.4	0.0	0.188	0.188 24Oct96 05:58 %R = 93.5
10920-1 QC	0.3	0.0	0.001	0.001 24Oct96 06:00 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.2	0.0 W	0.063	0.063 24Oct96 06:02 %R = 80.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10920-1D QC	-0.3	0.0	-0.001	-0.001 24Oct96 06:04 NC/-NPD CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.2	0.0 W	0.063	0.063 24Oct96 06:06 %R = 80.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION

ANALYST DATE 10/24/96
REVIEW DATE 10/24/96
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ANALYTE INST.# 3

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
CCV #3 QC	23.5	0.0	0.088	0.088 240ct96 06:08 %R = 94.0
CCB #3 QC	-0.1	0.0	-0.000	-0.000 240ct96 06:10 ABS = -0.001 CONCENTRATION LESS THAN IDL
10920-1MS QC 40/1L	28.4	0.0	0.103	0.103 240ct96 06:11
QCSPIKE A QC	45.4	0.0	0.160	0.160 240ct96 06:13 %R = 85.3
10920-1MD QC 40/1L	29.2	0.0	0.106	0.106 240ct96 06:15
QCSPIKE A QC	46.0	0.0	0.162	0.162 240ct96 06:17 %R = 84.4 %R FAILED, REPEAT BY STANDARD ADDITIONS
10891-1 QC	0.2	0.0	0.001	0.001 240ct96 06:19 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.3	0.0	0.074	0.074 240ct96 06:21 %R = 96.7
10891-2 QC	0.3	0.0	0.001	0.001 240ct96 06:23 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.7	0.0	0.072	0.072 240ct96 06:25 %R = 93.7
PB,TL:14771 QC	-0.2	0.0	-0.001	-0.001 240ct96 06:27 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.1	0.0	0.076	0.076 240ct96 06:29 %R = 100.4
LCS QC 40/1L	34.7	0.0	0.124	0.124 240ct96 06:31
QCSPIKE A QC	54.5	0.0	0.189	0.189 240ct96 06:33 %R = 99.1
[redacted]7-5 QC	-0.2	0.0	-0.001	-0.001 240ct96 06:35 CONCENTRATION LESS THAN IDL

ANALYST 10/24/96 DATE
REVIEW 10/29/96 DATE
DATA ENTRY DATE
ANALYTE INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	19.4	0.0	0.074	0.074 24Oct96 06:37 %R = 96.9
11007-5D QC	0.2	0.0	0.001	0.001 24Oct96 06:39 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.7	0.0	0.075	0.075 24Oct96 06:41 %R = 98.3
11007-5MS QC	32.4	0.0	0.117	0.117 24Oct96 06:43
QCSPIKE A QC	52.1	0.0	0.181	0.181 24Oct96 06:45 %R = 98.5
11007-5MD QC	32.8	0.0	0.118	0.118 24Oct96 06:47
QCSPIKE A QC	51.5	0.0	0.179	0.179 24Oct96 06:49 %R = 93.6
CCV QC	24.6	0.0	0.091	0.091 24Oct96 06:51 %R = 98.2
CCB QC	0.0	0.0	0.000	0.000 24Oct96 06:53 ABS = -0.000 CONCENTRATION LESS THAN IDL
10977-1 QC	0.0	0.0	0.000	0.000 24Oct96 06:54 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	19.8	0.0	0.075	0.075 24Oct96 06:57 %R = 99.2
QC	-0.2	0.0	-0.001	-0.001 24Oct96 06:58 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.3	0.0	0.077	0.077 24Oct96 07:00 %R = 101.3
QC	-0.1	0.0	-0.000	-0.000 24Oct96 07:02 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		-0.005	-0.005 24Oct96 07:05 CONCENTRATION LESS THAN IDL

ANALYST DATE 10/24/96
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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
CCV 05 QC	26.0	0.0	0.096	0.096 24Oct96 07:07 %R = 104.0
CCB 46 QC	-0.1	0.0	-0.001	-0.001 24Oct96 07:09 ABS = -0.002 CONCENTRATION LESS THAN IDL
PB,TS:14815 QC 0.500/50	0.3	0.0	0.001	0.001 24Oct96 07:11 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	21.1	0.0	0.080	0.080 24Oct96 07:13 %R = 105.3
LCS QC 4ppm	39.7	0.0	0.141	0.141 24Oct96 07:15 99.2/mer 3970.0 ug/kg
QCSPIKE A QC	59.8	0.0	0.205	0.205 24Oct96 07:17 %R = 100.5
10569-5 QC 0.523/50	1.2	0.0	0.005	0.005 24Oct96 07:19 114.7 ug/kg
QCSPIKE A QC	18.5	0.0	0.071	0.071 24Oct96 07:21 %R = 86.6
10569-5D QC 0.518/50	0.5	0.0	0.002	0.002 24Oct96 07:23 NC/RPM CONCENTRATION LESS THAN IDL
QCSPIKE A QC	18.4	0.0	0.070	0.070 24Oct96 07:25 %R = 91.8
10569-5MS QC 4ppm 0.517/50	32.0	0.0	0.115	0.115 24Oct96 07:27 74.5/mer 3094.8 ug/kg
QCSPIKE A QC	48.8	0.0	0.170	0.170 24Oct96 07:29 %R = 84.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
10569-5MD QC 4ppm 0.526/50	32.8	0.0	0.118 (Alt B)	0.118 0.80/RPM 24Oct96 07:31 75.1/mer 3117.9 ug/kg
QCSPIKE A QC	49.1	0.0	0.172	0.172 24Oct96 07:33 %R = 81.6 %R FAILED, REPEAT BY STANDARD ADDITIONS
1[illegible]26-2 QC 0.508/50	6.9	0.0	0.027	0.027 24Oct96 07:35 679.1 ug/kg

ANALYST: [illegible] DATE: 10/24/96
REVIEW: [illegible] DATE: 10/29/96
DATA ENTRY: [illegible] DATE: 10-24-96
ANALYTE: [illegible] INST.#: 3

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	25.2	0.0	0.093	0.093 240ct96 07:37 %R = 91.8
PB,NL:14777 QC	0.2	0.0	0.001	0.001 240ct96 07:39 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	22.7	0.0	0.085	0.085 240ct96 07:41 %R = 113.4
LCS QC	39.3	0.0	0.140	0.140 240ct96 07:43
BLANK QC	0.0		0.004	0.004 240ct96 07:58 CONCENTRATION LESS THAN IDL
CCV 1/4 QC 25 ppb std w/1st pkg	25.7	0.0	0.095	0.095 240ct96 08:00 %R = 102.6
CCB 1/4 QC	0.1	0.0	0.000	0.000 240ct96 08:02 ABS = -0.000 CONCENTRATION LESS THAN IDL
PB,DS (10109LAF) QC	-0.1	0.0	-0.000	-0.000 240ct96 08:04 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.6	0.0	0.078	0.078 240ct96 08:06 %R = 103.0
LCS 25PPB QC	24.7	0.0	0.092	0.092 240ct96 08:08
QCSPIKE A QC	47.1	0.0	0.165	0.165 240ct96 08:10 %R = 112.0
RWMS 25PPB QC	24.9	0.0	0.092	0.092 240ct96 08:12
QCSPIKE A QC	47.4	0.0	0.166	0.166 240ct96 08:14 %R = 112.7
RWMD 25PPB QC	25.2	0.0	0.093	0.093 240ct96 08:16
QCSPIKE A QC	46.8	0.0	0.164	0.164 240ct96 08:18 %R = 108.3

ANALYST 10/24/96 DATE
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98.8 %rec 24.7 ug/L

1.40 %RPD

99.6 %rec 24.9 ug/L

101 %rec 25.2 ug/L

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
10809-3 QC	OVER	0.0	0.276B	0.276B 24Oct96 08:20
10809-3 QC	8.3B	0.0	0.007B	0.007B 24Oct96 08:21 DF = 5.00
QCSPIKE A QC	73.8B	0.0 W	0.058B	0.058B 24Oct96 08:23 DF = 5.00 %R = 65.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3D QC	63.3B	0.0	0.216B	0.216B 24Oct96 08:25
10809-3D QC	14.0B	0.0	0.011B	0.011B 24Oct96 08:27 DF = 5.00
QCSPIKE A QC	75.7B	0.0 W	0.059B	0.059B 24Oct96 08:29 DF = 5.00 %R = 61.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-1 QC	-0.6B	0.0	-0.002B	-0.002B 24Oct96 08:31 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	11.9B	0.0 W	0.047B	0.047B 24Oct96 08:33 %R = 59.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-4 QC	10.5B	0.0	0.042B	0.042B 24Oct96 08:34
QCSPIKE A QC	34.5B	0.0 W	0.124B	0.124B 24Oct96 08:36 %R = 119.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 QC	9.5B	0.0	0.038B	0.038B 24Oct96 08:38
QCSPIKE A QC	19.4B	0.0	0.074B	0.074B 24Oct96 08:40 %R = 49.1 %R FAILED, REPEAT BY STANDARD ADDITIONS
CCV QC	25.4	0.0	0.094	0.094 24Oct96 08:42 %R = 101.5
[redacted] QC	-0.3	0.0	-0.001	-0.001 24Oct96 08:44 ABS = -0.002 CONCENTRATION LESS THAN IDL

na 10/24/96
ANALYST DATE
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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
PB,TL:14746 QC	0.0	0.0	0.000	0.000 24Oct96 08:46 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.7	0.0	0.078	0.078 24Oct96 08:48 %R = 103.3
LCS QC	35.8	0.0	0.128	0.128 24Oct96 08:50
QCSPIKE A QC	57.8	0.0	0.199	0.199 24Oct96 08:52 %R = 110.1
10809-3 QC	3.6B	0.0	0.014B	0.014B 24Oct96 08:54
QCSPIKE A QC	32.2B	0.0 W	0.116B	0.116B 24Oct96 08:56 %R = 143.0 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3D QC	15.7B	0.0	0.061B	0.061B 24Oct96 08:58
QCSPIKE A QC	22.5B	0.0 E	0.084B	0.084B 24Oct96 09:00 %R = 34.1 %R LESS THAN MINIMUM LIMIT
10809-3MS QC	20.9B	0.0	0.079B	0.079B 24Oct96 09:02
QCSPIKE A QC	34.2B	0.0	0.123B	0.123B 24Oct96 09:04 %R = 66.6 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-3MD QC	22.7B	0.0	0.085B	0.085B 24Oct96 09:06
QCSPIKE A QC	51.9B	0.0	0.180B	0.180B 24Oct96 09:08 %R = 145.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
10809-1 QC	-0.7	0.0	-0.003	-0.003 24Oct96 09:10 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	10.4	0.0 W	0.042	0.042 24Oct96 09:12 %R = 52.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-4 QC	-1.0	0.0	-0.004	-0.004 24Oct96 09:14 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	8.8	0.0 W	0.035	0.035 24Oct96 09:16 %R = 44.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 1002/160 QC	-0.4	0.0	-0.002	-0.002 24Oct96 09:18 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	10.4	0.0 W	0.041	0.041 24Oct96 09:20 %R = 51.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	0.3	0.0	0.001	0.001 24Oct96 09:22 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	20.1	0.0	0.076	0.076 24Oct96 09:24 %R = 100.4
CCV ~~#~~ 8 QC 25/16 GW 11/15/96	23.5	0.0	0.088	0.088 24Oct96 09:26 %R = 93.9
CCB ~~9~~ 8 QC	0.3	0.0	0.001	0.001 24Oct96 09:28 ABS = 0.001 CONCENTRATION LESS THAN IDL
QC	0.3	0.0	0.001	0.001 24Oct96 09:30 CONCENTRATION LESS THAN IDL

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BLANK QC	0.0		-0.001	-0.001 240ct96 10:15 CONCENTRATION LESS THAN IDL
CCV 109 QC	24.1	0.0	0.089	0.089 240ct96 10:17 %R = 96.2
CCB 109 QC	-0.4	0.0	-0.002	-0.002 240ct96 10:19 ABS = -0.002 CONCENTRATION LESS THAN IDL
10809-3 1:10 QC	1.4	0.0	0.005	0.005 240ct96 10:21
QCSPIKE A QC	16.0	0.0 W	0.062	0.062 240ct96 10:23 %R = 73.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3DP:10 QC	0.3	0.0	0.001	0.001 240ct96 10:25 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	15.3	0.0 W	0.059	0.059 240ct96 10:27 %R = 76.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-1 1:5 QC	-0.2	0.0	-0.001	-0.001 240ct96 10:29 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	13.6	0.0 W	0.053	0.053 240ct96 10:31 %R = 67.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-4 1:5 QC	-0.3	0.0	-0.001	-0.001 240ct96 10:33 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	10.5	0.0 W	0.042	0.042 240ct96 10:35 %R = 52.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-5 1:5 QC	-0.7	0.0	-0.003	-0.003 240ct96 10:37 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	9.5	0.0 W	0.038	0.038 240ct96 10:39 %R = 47.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION

QC				24Oct96 10:41 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.4	0.0 W	0.060	0.060 24Oct96 10:43 %R = 77.1 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3DP1:5 QC	-1.8B	0.0	-0.007B	-0.007B 24Oct96 10:45 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.5	0.0 W	0.060	0.060 24Oct96 10:47 %R = 77.4 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3MS1:5 QC	4.6	0.0	0.018	0.018 24Oct96 10:49
QCSPIKE A QC	19.9B	0.0 W	0.075B	0.075B 24Oct96 10:51 %R = 76.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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ANALYTE INST.#

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
10809-3MD1:5 QC	4.8B	0.0	0.019B	0.019B 24Oct96 10:53
QCSPIKE A QC	18.9B	0.0 W	0.072B	0.072B 24Oct96 10:55 %R = 70.3 SAMPLE CONC <50% OF SPIKE CONCENTRATION
QC	-0.9	0.0	-0.003	-0.003 24Oct96 10:57 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.4	0.0 W	0.063	0.063 24Oct96 10:59 %R = 81.8 SAMPLE CONC <50% OF SPIKE CONCENTRATION
CCV 1/10 QC	23.6	0.0	0.088	0.088 24Oct96 11:01 %R = 94.6
CCB 1/10 QC	0.0	0.0	0.000	0.000 24Oct96 11:03 ABS = -0.001 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		0.005	0.005 24Oct96 11:08 CONCENTRATION LESS THAN IDL
CCV 1/11 QC	24.6	0.0	0.091	0.091 24Oct96 11:10

CCB #2 11 cgw 11/12/96 QC	0.4	0.0	0.002	0.002 24Oct96 11:12 ABS = 0.002 CONCENTRATION LESS THAN IDL
10809-3 1:10 10-24-96 cgw QC	0.4	0.0	0.002	0.002 24Oct96 11:13 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.1	0.0 W	0.062	0.062 24Oct96 11:16 %R = 80.6 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3DP:10 QC	-1.2	0.0	-0.005	-0.005 24Oct96 11:18 mg/kg CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.6	0.0 W	0.064	0.064 24Oct96 11:20 %R = 82.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
10809-3MS:10 QC 40 ppb	3.3	0.0	0.013	0.013 24Oct96 11:22 91.8 mg/kg 36.7 mg/kg
QCSPIKE A QC	17.1	0.0 W	0.066	0.066 24Oct96 11:24 %R = 68.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION
10809-3MD:10 QC 40 ppb	3.3	0.0	0.013	0.013 24Oct96 11:26 0.00 mg/kg 91.8 mg/kg 36.7 mg/kg
QCSPIKE A QC	18.7	0.0 W	0.071	0.071 24Oct96 11:28 %R = 77.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
BLANK QC	0.0		-0.002	-0.002 24Oct96 11:42 CONCENTRATION LESS THAN IDL
CCV #3 10 QC 25 ppb	25.5	0.0	0.094	0.094 24Oct96 11:44 %R = 101.9
CCB #3 12 QC	-0.1	0.0	-0.000	-0.000 24Oct96 11:46 ABS = -0.000 CONCENTRATION LESS THAN IDL
PB,NL:14903 QC .100 10.3	0.2	0.0	0.001	0.001 24Oct96 11:48 CONCENTRATION LESS THAN IDL

(1242)

Varian SpectrAA 300/400 Zeeman QC Protocol Report

INCAPE TESTING SERVICES
ND[redacted] LABORATORY-DALLAS
FURNACE #4

ANALYST ME DATE 10/31/96
REVIEW DATE 10/31/96
DATA ENTRY DATE 10-31-96
ANALYTE Se INST.#

OPERATOR MARTY
DATE 10-31-96
BATCH SE

QC PROTOCOL PARAMETERS

IF THERE IS AN ERROR	FLAG AND CONTINUE
QC SPIKE POSITION	50
RECOVERY LIMITS (%)	85 TO 115
RECOVERY MINIMUM LIMIT (%)	40
CORRELATION COEFFICIENT (r)	0.995
OVERRANGE VOLUME REDUCTION	5
REPLICATE RSD LIMIT (%)	20.0

Std. Lot #: AB208-77A Modifier Lot #: AB208-25A
ICV Lot #: AB208-77B CCV Lot #: AB208-77C
LCS & MS/MSD Lot #: 690619

PROGRAM 39 Se PLAT.3PT.Pd

INSTRUMENT MODE	ABSORBANCE
CALIBRATION MODE	CONCENTRATION
MEASUREMENT MODE	PEAK AREA
LAMP POSITION	5
LAMP CURRENT (mA)	10
SLIT WIDTH (nm)	0.5
SLIT HEIGHT	NORMAL
WAVELENGTH (nm)	196.0
SAMPLE INTRODUCTION	SAMPLER AUTOMIXING
TIME CONSTANT	0.05
MEASUREMENT TIME (sec)	1.0
REPLICATES	1
BACKGROUND CORRECTION	ON
MAXIMUM ABSORBANCE	1.20

FURNACE PARAMETERS

STEP NO.	TEMPERATURE (C)	TIME (sec)	GAS FLOW (L/min)	GAS TYPE	READ COMMAND
1	275	15.0	3.0	NORMAL	NO
2	275	15.0	3.0	NORMAL	NO
3	1300	10.0	3.0	NORMAL	NO
4	1300	10.0	3.0	NORMAL	NO
5	1300	2.0	0.3	NORMAL	NO
6	2800	0.8	0.0	NORMAL	YES
7	2800	3.5	0.0	NORMAL	YES
8	2900	5.0	3.0	NORMAL	NO

SAMPLER PARAMETERS

	VOLUMES (µL) SOLUTION	BLANK	MODIFIER
BLANK	--	20	5
STANDARD 1	2	18	5
STANDARD 2	10	10	5
STANDARD 3	20	0	5
SAMPLE	20	0	5

RECALIBRATION RATE 0
RESLOPE RATE 0

MULTIPLE INJECT NO HOT INJECT YES PRE INJECT NO
TEMPERATURE 90
INJECT RATE 10

QC PROTOCOL PARAMETERS

QC STANDARD RATE	20
QC INITIAL STANDARD POSITION	48
QC INITIAL BLANK POSITION	51
QC CONTINUING STANDARD POSITION	49
QC CONTINUING BLANK POSITION	51
QC STANDARD VOLUME (µL)	20
QC STANDARD CONCENTRATION	25.0 PPB
QC STANDARD LIMITS (%)	80 TO 120
QC SPIKE RATE	1
QC SPIKE VOLUME (µL)	4
QC SPIKE CONCENTRATION	100.0 PPB
MATRIX SPIKE CONCENTRATION	0.0 PPB
INSTRUMENT DETECTION LIMIT	1.5 PPB
REQUIRED DETECTION LIMIT	5.0 PPB

CONDITIONS FOR Se :
Alternative Wavelengths (nm) : 204.0
Spectral Bandwidths (nm) : 0.5
Maximum Ash Temperature : 1200°C
Recommended Atomize Temperature : 2600°C
Recommended Chemical Modifiers :
Palladium Chloride (10µL of 500µg/mL), or
Nickel Nitrate (20µL of 50µg/mL).
Response with Argon : 10µL of 70ng/mL gives about 0.2 Abs.
(using Pd modifier)
Modifiers improve sensitivity and permit a higher ash temperature. Without modifier the maximum ash temperature is 300°C, and atomize temperature is 2400°C.
Use of a multi-element lamp may require a different slit width, lamp current and wavelength to isolate the analytical line.

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STANDARD 1	5.0	0.0	0.007	0.007
QC				310ct96 16:55
BLANK	0.0		-0.004	-0.004
QC				310ct96 16:58
				CONCENTRATION LESS THAN IDL
ST[redacted]ARD 1	5.0	0.0	0.022	0.022
QC				310ct96 17:01
STANDARD 2	25.0	0.0	0.115	0.115
QC				310ct96 17:03

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
STANDARD 3	50.0	0.0	0.230	0.230
QC				310ct96 17:05

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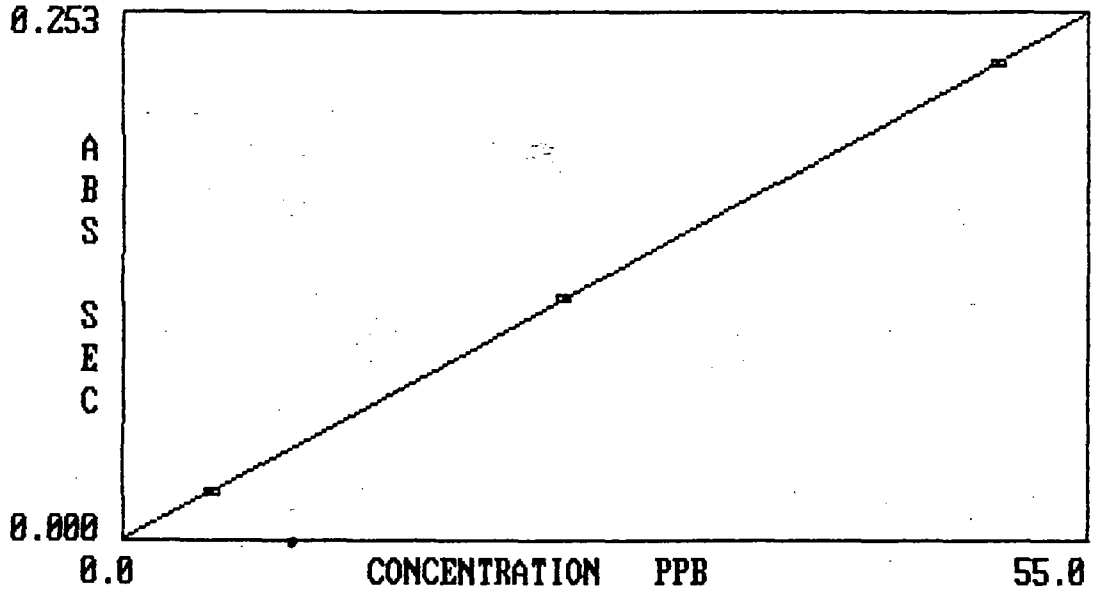
Corr=0.999



IC[redacted]	19.1	0.0	0.087	0.087
QC 20%		Q		310ct96 17:08
				%R = ~~76.3~~ 95.5 % 10-31-96
ICB	-0.4	0.0	-0.002	-0.002

QC				310ct96 17:10 ABS = -0.004 CONCENTRATION LESS THAN IDL
5PPB STD QC	4.4	0.0	0.019	0.019 310ct96 17:13
QCSPIKE A QC	22.3	0.0	0.102	0.102 310ct96 17:15 %R = 89.7
CCV 1 QC 25ppb	23.3	0.0	0.107	0.107 310ct96 17:17 %R = 93.3
CCB 1 QC	0.4	0.0	0.002	0.002 310ct96 17:20 ABS = -0.001 CONCENTRATION LESS THAN IDL

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
PB,DS QC	~~0.4~~	0.0	0.002	0.002 310ct96 17:22 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	16.9 W	0.0	0.077	0.077 310ct96 17:24 %R = 84.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC 25ppb	24.2	0.0	0.111	0.111 310ct96 17:27 96.8%rec 24.2 ug/L
QCSPIKE A QC	41.8	0.0	0.192	0.192 310ct96 17:29 %R = 88.0
RWMS QC 25ppb	26.9	0.0	0.124	0.124 310ct96 17:31 108%rec 26.9 ug/L
QCSPIKE A QC	41.5	0.0	0.190	0.190 310ct96 17:34 %R = 72.6 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC 25ppb	25.6	0.0	0.117	5.71%RPD 0.117 310ct96 17:36 102%rec 25.6 ug/L
QCSPIKE A QC	41.6	0.0	0.191	0.191 310ct96 17:38 %R = 79.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
12094-1 QC	2.2	0.0	0.010	0.010 310ct96 17:41 2.2 ug/L
QCSPIKE A QC	19.3	0.0	0.088	0.088 310ct96 17:43 %R = 85.6 NC/MP

12094-1DP QC	2.8	0.0	0.012	0.012 310ct96 17:45
QCSPIKE A QC	17.7	0.0 W	0.081	0.081 310ct96 17:48 %R = 74.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
PB[redacted]:15107 QC	4.7	0.0	0.021	0.021 310ct96 17:50
QCSPIKE A QC	21.3	0.0 W	0.097	0.097 310ct96 17:52 %R = 83.2 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC	19.8	0.0	0.090	0.090 310ct96 17:55

SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
QCSPIKE A QC	36.2	0.0	0.166	0.166 310ct96 17:57 %R = 82.0 %R FAILED, REPEAT BY STANDARD ADDITIONS
11402-1 1:2 QC	9.8	0.0	0.044	0.044 310ct96 17:59
QCSPIKE A QC	24.6	0.0	0.113	0.113 310ct96 18:02 %R = 73.9 %R FAILED, REPEAT BY STANDARD ADDITIONS
11402-1DP1:2 QC	6.4	0.0	0.029	0.029 310ct96 18:04
QCSPIKE A QC	23.5	0.0	0.108	0.108 310ct96 18:06 %R = 85.5
CCV 2 QC	18.4	0.0 Q	0.084	0.084 310ct96 18:09 %R = 73.6
CCB 2 QC	0.2	0.0	0.001	0.001 310ct96 18:11 ABS = -0.002 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		-0.009	-0.009 310ct96 18:15 CONCENTRATION LESS THAN IDL
CC[redacted] QC	20.4	0.0	0.093	0.093 310ct96 18:17 %R = 81.5
CCB QC	-0.7	0.0	-0.003	-0.003 310ct96 18:20

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				ABS = -0.008 CONCENTRATION LESS THAN IDL
PB,DS (10/31/96 AA) QC	-2.1	0.0	-0.009	-0.009 310ct96 18:22 CONCENTRATION LESS THAN IDL
QCSPIKE A QC	15.9	0.0 W	0.072	0.072 310ct96 18:24 %R = 79.7 SAMPLE CONC <50% OF SPIKE CONCENTRATION
LCS QC 25µ	24.3	0.0	0.112	0.112 310ct96 18:27 97.2/ee 24.3 µg/L
QCSPIKE A QC	39.2	0.0	0.180	0.180 310ct96 18:29 %R = 74.2 %R FAILED, REPEAT BY STANDARD ADDITIONS

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SAMPLE	CONC PPB	%RSD	MEAN ABS	READINGS
RWMS QC 25µ	24.4	0.0	0.112	0.112 310ct96 18:31 97.6/ee 24.4 µg/L
QCSPIKE A QC	39.8	0.0	0.183	0.183 310ct96 18:34 %R = 76.8 %R FAILED, REPEAT BY STANDARD ADDITIONS
RWMSD QC 25µ	26.6	0.0	0.122	8.25/ee 0.122 310ct96 18:36 106/ee 26.6 µg/L
QCSPIKE A QC	39.1	0.0	0.179	0.179 310ct96 18:39 %R = 62.5 %R FAILED, REPEAT BY STANDARD ADDITIONS
12094-1 QC	5.8	0.0	0.026	0.026 310ct96 18:41 5.8 µg/L
QCSPIKE A QC	19.6	0.0 W	0.089	0.089 310ct96 18:43 %R = 68.9 SAMPLE CONC <50% OF SPIKE CONCENTRATION
12094-1DP QC	3.9	0.0	0.017	0.017 310ct96 18:46 NC/ee 3.9 µg/L
QCSPIKE A QC	16.6	0.0 W	0.075	0.075 310ct96 18:48 %R = 63.5 SAMPLE CONC <50% OF SPIKE CONCENTRATION
BLANK QC	0.0		0.022	0.022 310ct96 18:51 CONCENTRATION LESS THAN IDL
BLANK QC	0.0		-0.007	-0.007 310ct96 18:54 CONCENTRATION LESS THAN IDL

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 214-238-5591
Fax. 214-238-5592

COLD VAPOR

HG - 146

Line	Conc.	Units	SD/PSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 04:11:39 29 Sep 1996 HG

Hg .000 ug/L 28
Ave. Int. = 28 S. D. = 0

*** Standard: 1 Rep: 2 Seq: 1 04:14:00 29 Sep 1996 HG

Hg .000 ug/L -69
Ave. Int. = -69 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 2 04:16:21 29 Sep 1996 HG

Hg .200 ug/L 2530
Ave. Int. = 2530 S. D. = 0

*** Standard: 2 Rep: 2 Seq: 3 04:18:42 29 Sep 1996 HG

Hg .200 ug/L 2517
Ave. Int. = 2517 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 4 04:21:03 29 Sep 1996 HG

Hg .500 ug/L 6235
Ave. Int. = 6235 S. D. = 0

*** Standard: 3 Rep: 2 Seq: 5 04:23:24 29 Sep 1996 HG

Hg .500 ug/L 6320
Ave. Int. = 6320 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 6 04:25:45 29 Sep 1996 HG

Hg 1.00 ug/L 12408
Ave. Int. = 12408 S. D. = 0

*** Standard: 4 Rep: 2 Seq: 7 04:28:06 29 Sep 1996 HG

Hg 1.00 ug/L 12201
Ave. Int. = 12201 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 8 04:30:27 29 Sep 1996 HG

Hg 3.00 ug/L 37476
Ave. Int. = 37476 S. D. = 0

NE	9/29/96
ANALYST	DATE
[illegible]	9/29/96
REVIEW	DATE
NE	9/29/96
DATA ENTRY	DATE
Hg	7
ANALYTE	INST. #

Line	Conc.	Units	SD/FSD	1	2	3	4	5

*** Standard: 5 Rep: 2 Seq: 9 04:32:48 29 Sep 1996 HG

Hg 3.00 ug/L 37408
Ave. Int. = 37408 S. D. = [illegible] 0

*** Standard: 6 Rep: 1 Seq: 10 04:35:09 29 Sep 1996 HG

Hg 5.00 ug/L 63444
Ave. Int. = 63444 S. D. = 0

*** Standard: 6 Rep: 2 Seq: 11 04:37:31 29 Sep 1996 HG

Hg 5.00 ug/L 63181
Ave. Int. = 63181 S. D. = 0

ANALYST	9/29/96 DATE
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Protocol: A

Rev: 3.001 Time: 04:43:55 29 Sep 1996

Folder: 092996A Seq: 12 Print: On

User: MARTY Batch: Id: Std6Rep2 Cup: 2 35 Gas: 0.30 LPM

State: Idle Xmit: Off Autosampler: On

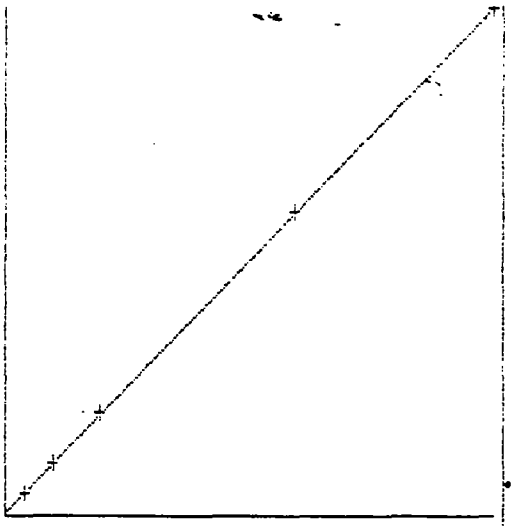
CALIBRATION: Line Calibration

Line: Hg

	Conc.	Calc.	Dev.	Accepted LiNear
S1	.000	.009	.009	Quadratic
S2	.200	.210	.010	WtdLinear
S3	.500	.507	.007	C
S4	1.00	.984	-.016	Accept o
S5	3.00	2.97	-.028	n
S6	5.00	5.02	.019	StdAdd c

A .0000000 r .999959

B 7.91032e-5 C 1.03511e-2



Relative Absorbance

	Mean	%RSD		
S1	-20-334.58		28	-69
S2	2523	0.36	2530	2517
S3	6277	0.96	6235	6320
S4	12304	1.19	12408	12201
S5	37442	0.13	37476	37408
S6	63312	0.29	63444	63181

New calibration coefficients stored

Std. Lot #: AB300-45A Modifier Lot #: N/A

ICV Lot #: AB300-45B CCV Lot #: AB300-45A

LCS & MS/MSD Lot #: AB300-45A

ANALYST		DATE 9/29/96
REVIEW		DATE 9/29/96
DATA ENTRY		DATE
ANALYTE	INST. #	

e	Conc.	Units	SD/RSD	1	2	3	4	5
*	Sample ID: ICV 2.5PPB			Seq: 12	04:49:27 29 Sep 1996 HG			
g	2.48	ug/L	31224			%R = 99.2		
**	Sample ID: ICB			Seq: 13	04:51:43 29 Sep 1996 HG			
g	-.006	ug/L	-209					
**	Sample ID: 0.2PPB STD			Seq: 14	04:53:58 29 Sep 1996 HG			
Hg	.215	ug/L	2588					
**	Sample ID: PB,			Seq: 15	04:56:13 29 Sep 1996 HG			
			NL,2943,1,		Dil. Weight 100.00 Volume 100.00			
Hg	.022	ug/L	144					
***	Sample ID: LCS,			Seq: 16	04:58:28 29 Sep 1996 HG			
			NL,2943,1.1PPB		Dil. Weight 100.00 Volume 100.00			
Hg	.985	ug/L	12327					
***	Sample ID: 10817-4,			Seq: 17	05:00:44 29 Sep 1996 HG			
			NL,2943,1,		Dil. Weight 100.00 Volume 100.00			
Hg	.035	ug/L	308					
***	Sample ID: 10817-4D,			Seq: 18	05:03:00 29 Sep 1996 HG			
			NL,2943,1,		Dil. Weight 100.00 Volume 100.00			
Hg	.109	ug/L	1242					
***	Sample ID: 10817-4MS,			Seq: 19	05:05:16 29 Sep 1996 HG			
			NL,2943,1,1PPB		Dil. Weight 100.00 Volume 100.00			
Hg	1.05	ug/L	13136					
***	Sample ID: 10817-4MD,			Seq: 20	05:07:32 29 Sep 1996 HG			
			NL,2943,1,1PPB		Dil. Weight 100.00 Volume 100.00			
Hg	1.03	ug/L	12911					
***	Sample ID: 10817-1,			Seq: 21	05:09:49 29 Sep 1996 HG			
			NL,2943,1,		Dil. Weight 100.00 Volume 100.00			
Hg	.115	ug/L	1319					
***	Sample ID: 10817-2,			Seq: 22	05:12:06 29 Sep 1996 HG			
			NL,2943,1,		Dil. Weight 100.00 Volume 100.00			
Hg	.109	ug/L	1246					
***	Sample ID: CCV 3.0PPB			Seq: 23	05:14:22 29 Sep 1996 HG			
Hg	2.62	ug/L	33032					

ANALYST 9/29/96 DATE
REVIEW 9/29/96 DATE
DATA ENTRY 9/29/96 DATE
ANALYTE INST.#

1075

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCB Seq: 24 05:16:46 29 Sep 1996 HG

Hg -.023 ug/L -420

*** Sample ID: 10817-3, Seq: 25 05:19:00 29 Sep 1996 HG
NL,2943,1, Dil. Weight 100.00 Volume 100.00

Hg .172 ug/L 2038

*** Sample ID: 10817-4, Seq: 26 05:21:14 29 Sep 1996 HG
NL,2943,1, Dil. Weight 100.00 Volume 100.00

Hg -.041 ug/L -652

*** Sample ID: 10817-5, Seq: 27 05:23:28 29 Sep 1996 HG
NL,2943,1, Dil. Weight 100.00 Volume 100.00

Hg .089 ug/L 996

*** Sample ID: 10817-6. Seq: 28 05:25:42 29 Sep 1996 HG
NL,2943,1, Dil. Weight 100.00 Volume 100.00

Hg .022 ug/L 141

*** Sample ID: 10829-1, Seq: 29 05:27:56 29 Sep 1996 HG
NL,2943,1, Dil. Weight 100.00 Volume 100.00

Hg .066 ug/L 702

*** Sample ID: 10829-2. Seq: 30 05:30:10 29 Sep 1996 HG
NL,2943,1, Dil. Weight 100.00 Volume 100.00

Hg .101 ug/L 1144

*** Sample ID: 10651-1, Seq: 31 05:32:24 29 Sep 1996 HG
NL,2943,1, Dil. Weight 100.00 Volume 100.00

Hg .029 ug/L 232

*** Sample ID: PB, Seq: 32 05:34:38 29 Sep 1996 HG
DL,2942,1, Dil. Weight 100.00 Volume 100.00

Hg .029 ug/L 241

*** Sample ID: LCS. Seq: 33 05:36:52 29 Sep 1996 HG
NL,2942,1,1PPB Dil. Weight 100.00 Volume 100.00

Hg .996 ug/L 12456 1-R-99.6

*** Sample ID: CCV 3.0PPB Seq: 34 05:39:06 29 Sep 1996 HG

Hg 2.94 ug/L • 36985 1-R=98.0

*** Sample ID: CCB Seq: 35 05:41:18 29 Sep 1996 HG

Hg -.008 ug/L -233

ANALYST 9/29/96 DATE
REVIEW 9/29/96 DATE
DATA ENTRY DATE
ANALYTE INST.#

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 10780-1, Seq: 36 05:43:30 29 Sep 1996 HG
DS,2942,1, Dil. Weight 100.00 Volume 100.00
Hg .030 ug/L 244
%RPD = NC

*** Sample ID: 10780-1D, Seq: 37 05:45:43 29 Sep 1996 HG
DS,2942,1, Dil. Weight 100.00 Volume 100.00
Hg .035 ug/L 308

*** Sample ID: 10780-1MS, Seq: 38 05:47:56 29 Sep 1996 HG
DS,2942,1,1PPB Dil. Weight 100.00 Volume 100.00
Hg 1.01 ug/L 12696
%R = 101
%RPD = 2.61

*** Sample ID: 10780-1MD, Seq: 39 05:50:09 29 Sep 1996 HG
DS,2942,1,1PPB Dil. Weight 100.00 Volume 100.00
Hg .985 ug/L 12325
%R = 98.5

*** Sample ID: 10780-2, Seq: 40 05:52:22 29 Sep 1996 HG
DS,2942,1, Dil. Weight 100.00 Volume 100.00
Hg .052 ug/L 528

*** Sample ID: 10780-3, Seq: 41 05:54:35 29 Sep 1996 HG
DS,2942,1, Dil. Weight 100.00 Volume 100.00
Hg .254 ug/L 3084

*** Sample ID: 10780-4, Seq: 42 05:56:48 29 Sep 1996 HG
DS,2942,1, Dil. Weight 100.00 Volume 100.00
Hg .108 ug/L 1237

*** Sample ID: 10780-5, Seq: 43 05:59:01 29 Sep 1996 HG
DS,2942,1, Dil. Weight 100.00 Volume 100.00
Hg .025 ug/L 189

*** Sample ID: 10780-6, Seq: 44 06:01:15 29 Sep 1996 HG
DS,2942,1, Dil. Weight 100.00 Volume 100.00
Hg .054 ug/L 557

*** Sample ID: CCV 3.0PPB Seq: 45 06:03:28 29 Sep 1996 HG
Hg 2.95 ug/L 37115
%R = 98.3

*** Sample ID: CCB Seq: 46 06:05:41 29 Sep 1996 HG
Hg -.003 ug/L • -163

*** Sample ID: 10780-7, Seq: 47 06:07:54 29 Sep 1996 HG
DS,2942,1, Dil. Weight 100.00 Volume 100.00
Hg .029 ug/L 235

ANALYST		DATE 9/29/96
REVIEW		DATE 9/29/96
DATA ENTRY		DATE 9/29/96
ANALYTE		INST.# 7

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 10780-8,				Seq: 48		06:10:07 29 Sep 1996 HG		
				DS,2942,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.036	ug/L	319					
*** Sample ID: 10780-9,				Seq: 49		06:12:20 29 Sep 1996 HG		
				DS,2942,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.026	ug/L	218					
*** Sample ID: 10780-10,				Seq: 50		06:14:33 29 Sep 1996 HG		
				DS,2942,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.025	ug/L	190					
*** Sample ID: 10780-12,				Seq: 51		06:16:46 29 Sep 1996 HG		
				DS,2942,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.134	ug/L	1559					
*** Sample ID: 10809-1,				Seq: 52		06:18:59 29 Sep 1996 HG		
				DS,2942,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.180	ug/L	2141					
*** Sample ID: 10809-3,				Seq: 53		06:21:14 29 Sep 1996 HG		
				DS,2942,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.025	ug/L	228					
*** Sample ID: 10809-4,				Seq: 54		06:23:28 29 Sep 1996 HG		
				DS,2942,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.034	ug/L	293					
*** Sample ID: 10809-5,				Seq: 55		06:25:42 29 Sep 1996 HG		
				DS,2942,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.032	ug/L	272					
*** Sample ID: CCV 3.0PPB				Seq: 56		06:27:56 29 Sep 1996 HG		
Hg	2.92	ug/L	36836			%R = 97.3		
*** Sample ID: CCB				Seq: 57		06:30:11 29 Sep 1996 HG		
Hg	-.009	ug/L	-244					
*** Sample ID: 10777-2,				Seq: 58		06:32:26 29 Sep 1996 HG		
				DS,2942,1,		Dil. Weight 100.00 Volume 100.00		
Hg	1.17	ug/L	14641					
*** Sample ID: 10777-3,				Seq: 59		06:34:41 29 Sep 1996 HG		
				DS,2942,1,		Dil. Weight 100.00 Volume 100.00		
Hg	.259	ug/L	3139					

ANALYST 9/29/96 DATE

REVIEW 9/29/96 DATE

DATA ENTRY DATE

INST. #

1078

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 214-238-5591
Fax. 214-238-5592

PREPARATION AND ANALYSIS LOGS

Mercury Prep

Date: 9/28/96 Time: 1:00 Tech: A.O

Sample Number	Sample Volume
Blank	100 / 100 ml
LCS	
10780-1 MS	
1 MSD	
1 DUP	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
12	
10809-1	
3	
4	
5	
10777-2	
3	
A.O 9/28/96	

Bath Temp. 92 °C

MS/MSD/LCS Spike #:

AB300-45A (0.1 ppm)

LCS/MS/MSD amount: 1000 µl

Matrix: Liquid (3005-7470)

Batch HG-2942

For reporting purposes, final volume is recorded as 100 mL. Due to the addition of reagents, actual final volume is 136.5 mL. All samples ans standards are prepared to the same final volume thus maintaining a 1:1 prep ratio for liquids and a 1:500 prep ratio for solid samples.

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
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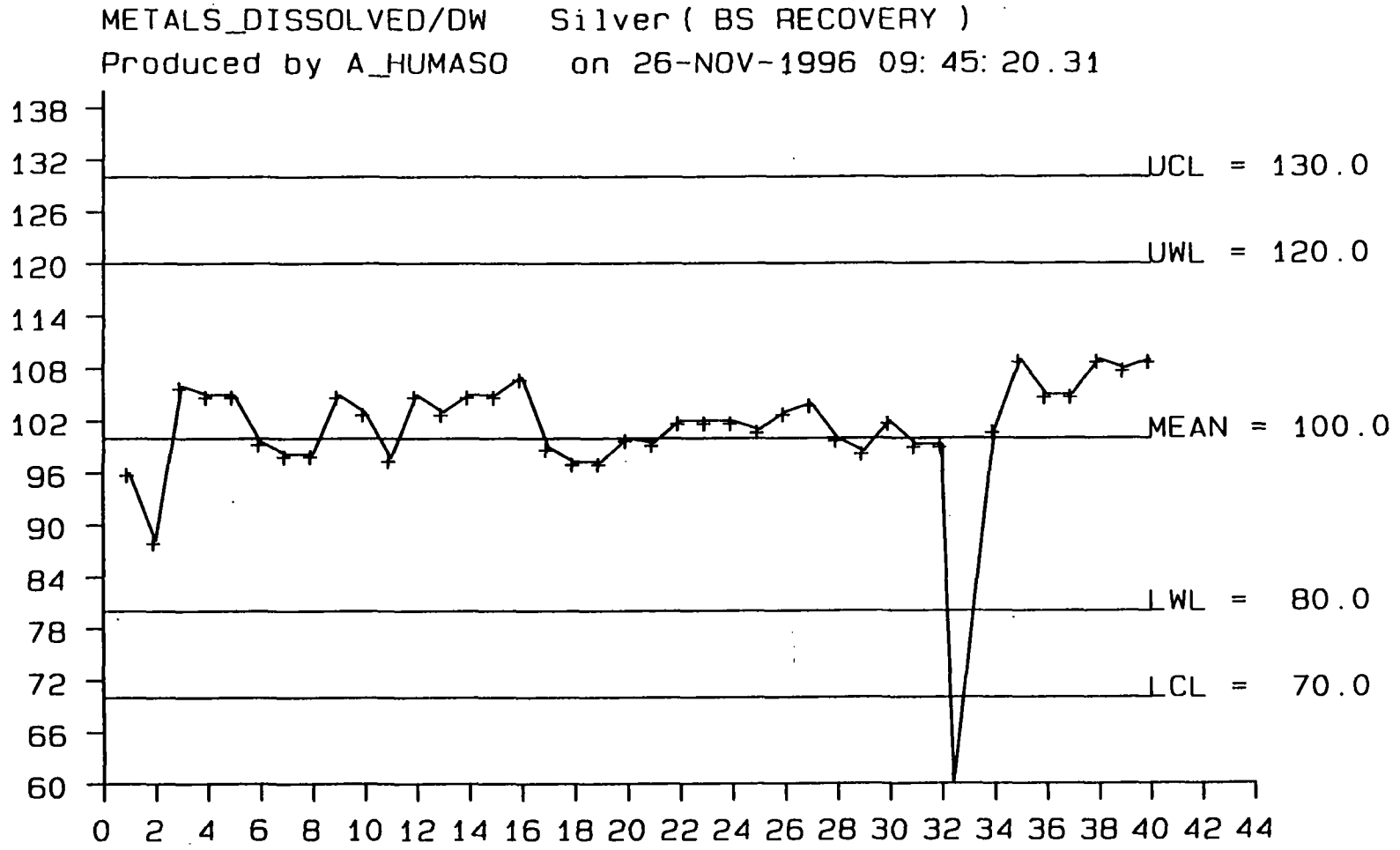
Fax. 214-238-5592

CONTROL CHARTS

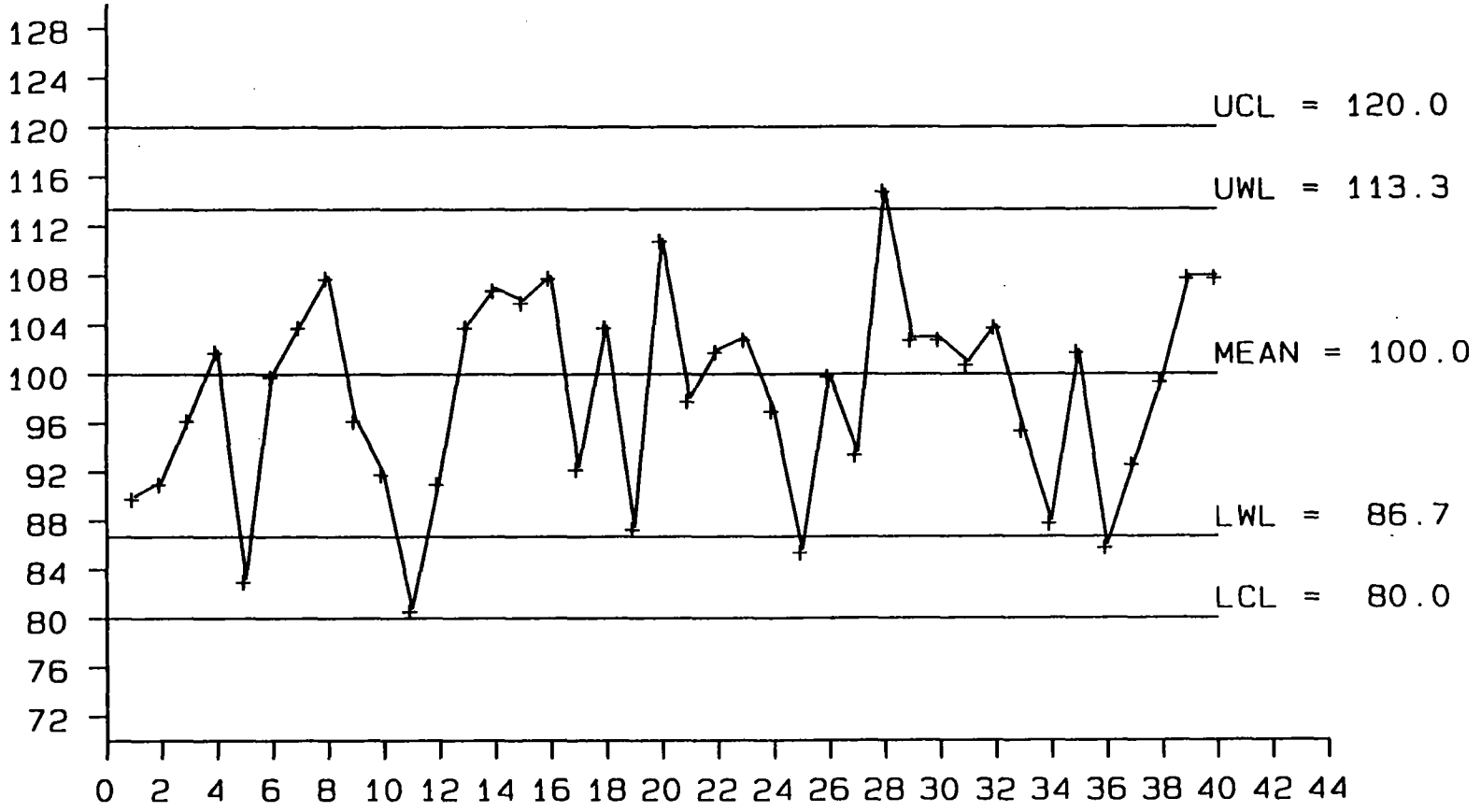

METALS_DISSOLVED/DW Silver (BS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 09: 45: 20.31
138
132
126
120
114
108
102
96
90
84
78
72
66
60
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 130.0
UWL = 120.0
MEAN = 100.0
LWL = 80.0
LCL = 70.0

Data Points for: METALS_DISSOLVED/DW Silver
Chart Type: BS RECOVERY
Generated on: 26-NOV-1996 09:45

Current Control Limits
(70.0 - 130.0)

Point	Batch Number	Date Analyzed	Value (%)
1	081696DI	16-AUG-1996 0	96.1
2	082596DI	25-AUG-1996 0	88.2
3	083096DI	31-AUG-1996 0	106
4	091196DI	11-SEP-1996 0	105
5	091196DI	11-SEP-1996 0	105
6	091196D	13-SEP-1996 0	99.6
7	091896DI	18-SEP-1996 0	98.2
8	091896DI	18-SEP-1996 0	98.2
9	092496DIA	24-SEP-1996 0	105
10	092596DISS	25-SEP-1996 0	103
11	092696AF	26-SEP-1996 0	97.7
12	092696DIA	26-SEP-1996 0	105
13	092696DIB	26-SEP-1996 0	103
14	092696DIA	26-SEP-1996 0	105
15	092696DIC	27-SEP-1996 0	105
16	100196DI	2-OCT-1996 0	107
17	100996DISS	9-OCT-1996 0	99.0
18	101096DISS	10-OCT-1996 0	97.3
19	101096DISS	10-OCT-1996 0	97.3
20	101096DIA	10-OCT-1996 0	100
21	101096DIB	10-OCT-1996 0	99.5
22	101196AF	15-OCT-1996 0	102
23	101596DI	15-OCT-1996 0	102
24	101596DI	15-OCT-1996 0	102
25	101796DI	17-OCT-1996 0	101
26	101796AF	18-OCT-1996 0	103
27	102496DISS	24-OCT-1996 0	104
28	102896DI	28-OCT-1996 0	100
29	102496AF	30-OCT-1996 0	98.5
30	103096DI	30-OCT-1996 0	102
31	103196DI	31-OCT-1996 0	99.3
32	103196DI	31-OCT-1996 0	99.3
33	110596DI	5-NOV-1996 0	0.0
34	110596DI	5-NOV-1996 0	101
35	110996AF	11-NOV-1996 0	109
36	111396DI	13-NOV-1996 0	105
37	111396DI	13-NOV-1996 0	105
38	111596DISS	15-NOV-1996 0	109
39	111596DIA	15-NOV-1996 0	108
40	112296DI	22-NOV-1996 0	109

METALS_DISSOLVED/DW Arsenic (LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 10:01:34.79

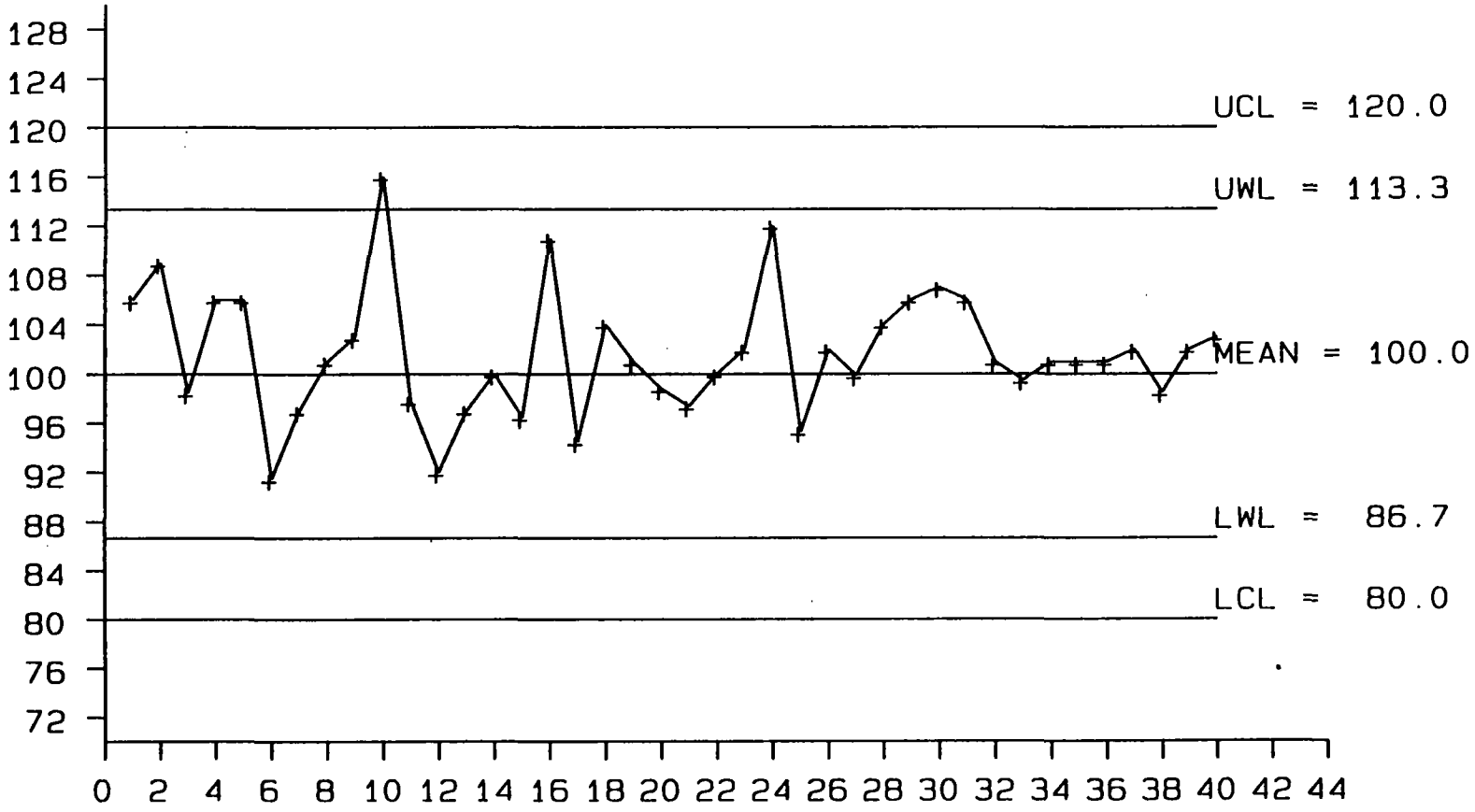


Data Points for: METALS_DISSOLVED/DW Arsenic
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 10:01

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	051096FF	10-MAY-1996 0	90.0
2	051396BF	13-MAY-1996 0	91.2
3	051396AF	13-MAY-1996 0	96.4
4	051796AF	17-MAY-1996 0	102
5	052496AF	24-MAY-1996 0	83.2
6	061096DF	10-JUN-1996 0	100
7	061896AF	18-JUN-1996 0	104
8	062696AF	26-JUN-1996 0	108
9	070996AF	9-JUL-1996 0	96.4
10	071696AF	16-JUL-1996 0	92.0
11	071796CF	17-JUL-1996 0	80.8
12	072296AF	22-JUL-1996 0	91.2
13	072696AF	26-JUL-1996 0	104
14	072996BF	29-JUL-1996 0	107
15	072996AF	29-JUL-1996 0	106
16	080596AF	5-AUG-1996 0	108
17	080796AF	7-AUG-1996 0	92.4
18	081596DI	15-AUG-1996 0	104
19	081696DI	16-AUG-1996 0	87.5
20	082096DI	20-AUG-1996 0	111
21	082196AF	21-AUG-1996 0	98.0
22	091096AF	10-SEP-1996 0	102
23	092596AF	25-SEP-1996 0	103
24	092896AF	1-OCT-1996 0	97.2
25	100296AF	3-OCT-1996 0	85.6
26	092996AF	3-OCT-1996 0	100
27	100496AF	4-OCT-1996 0	93.6
28	092696AF	4-OCT-1996 0	115
29	100996AF	9-OCT-1996 0	103
30	100596AF	9-OCT-1996 0	103
31	101096AF	14-OCT-1996 0	101
32	101596BF	15-OCT-1996 0	104
33	101196AF	15-OCT-1996 0	95.6
34	101796AF	18-OCT-1996 0	88.0
35	102496AF	31-OCT-1996 0	102
36	110396AF	4-NOV-1996 0	86.0
37	111196AF	11-NOV-1996 0	92.8
38	111596AF	16-NOV-1996 0	99.6
39	111996AF	19-NOV-1996 0	108
40	111996AFPO	19-NOV-1996 0	108

METALS_DISSOLVED/DW Barium(LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 09:27:37.25

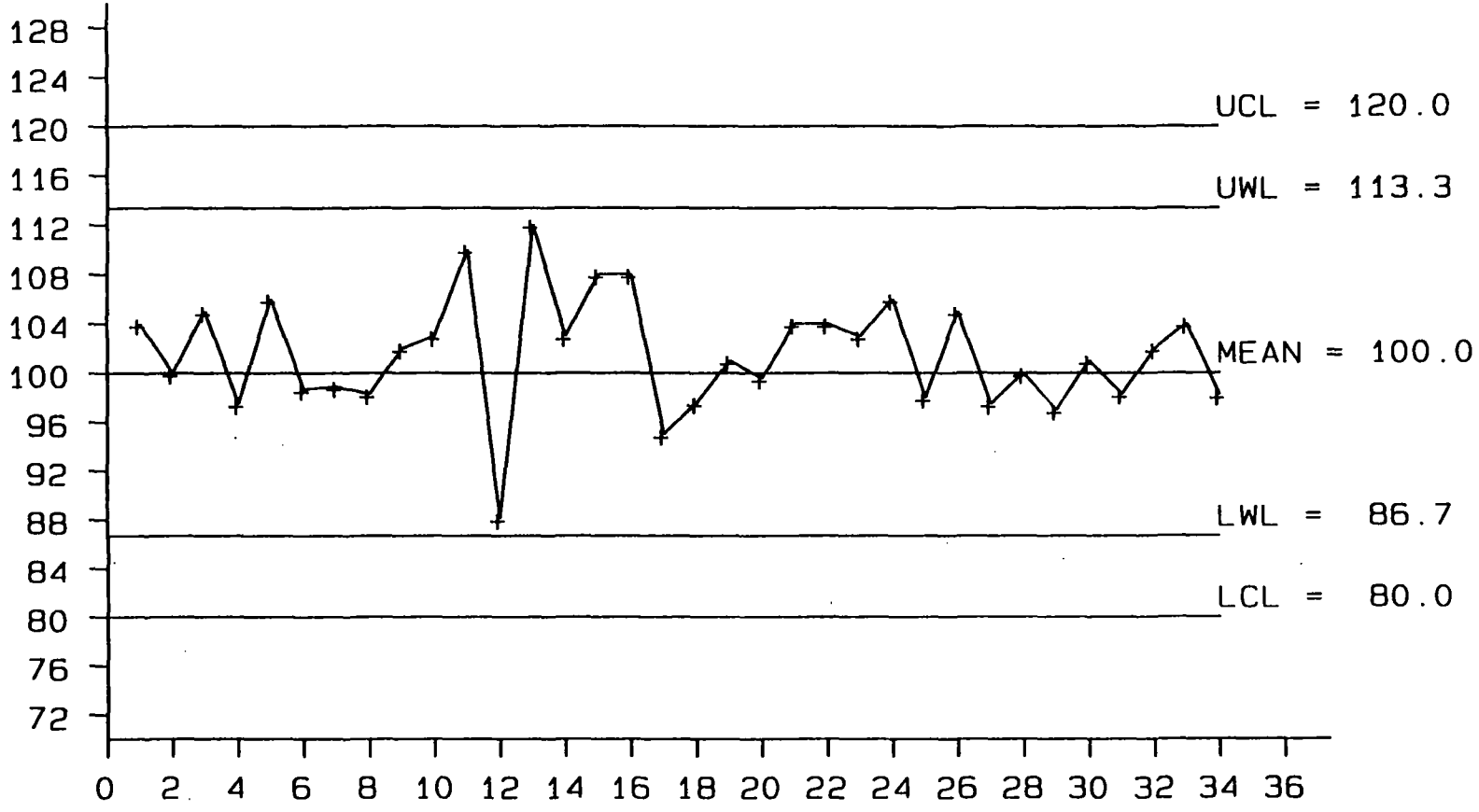


Data Points for: METALS_DISSOLVED/DW Barium
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 09:27

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	012696DI	26-JAN-1996 0	106
2	020696DI	6-FEB-1996 0	109
3	020996DI	9-FEB-1996 0	98.5
4	022696DI	26-FEB-1996 0	106
5	022896DI	28-FEB-1996 0	106
6	030496DISS	4-MAR-1996 0	91.5
7	030796D	7-MAR-1996 0	97.0
8	031996DISS	19-MAR-1996 0	101
9	032896DI	28-MAR-1996 0	103
10	050396DI	3-MAY-1996 0	116
11	051096DI	10-MAY-1996 0	97.8
12	051796DI	17-MAY-1996 0	92.0
13	052496DISS	24-MAY-1996 0	97.0
14	053196DI	31-MAY-1996 0	100
15	061196DI	11-JUN-1996 0	96.5
16	061596DISS	15-JUN-1996 0	111
17	062096DISS	20-JUN-1996 0	94.5
18	072296DI	22-JUL-1996 0	104
19	072596DI	25-JUL-1996 0	101
20	073096DI	30-JUL-1996 0	98.8
21	080196DI	1-AUG-1996 0	97.4
22	080296DI	5-AUG-1996 0	100
23	080696DI	6-AUG-1996 0	102
24	080996DISS	9-AUG-1996 0	112
25	091196D	12-SEP-1996 0	95.3
26	092596DI	25-SEP-1996 0	102
27	092596DISS	25-SEP-1996 0	99.9
28	092696DIA	26-SEP-1996 0	104
29	092696DIB	26-SEP-1996 0	106
30	092696DID	27-SEP-1996 0	107
31	092696DIC	27-SEP-1996 0	106
32	100196DI	2-OCT-1996 0	101
33	100996DISS	9-OCT-1996 0	99.5
34	101096DIA	10-OCT-1996 0	101
35	101596DI	15-OCT-1996 0	101
36	103096DI	30-OCT-1996 0	101
37	103196DI	31-OCT-1996 0	102
38	112096DI	20-NOV-1996 0	98.5
39	112296DI	22-NOV-1996 0	102
40	112596DIA	25-NOV-1996 0	103

METALS_DISSOLVED/DW Beryllium (LCS RECOVERY)
Produced by GKHORTON on 26-NOV-1996 09:07:32.14



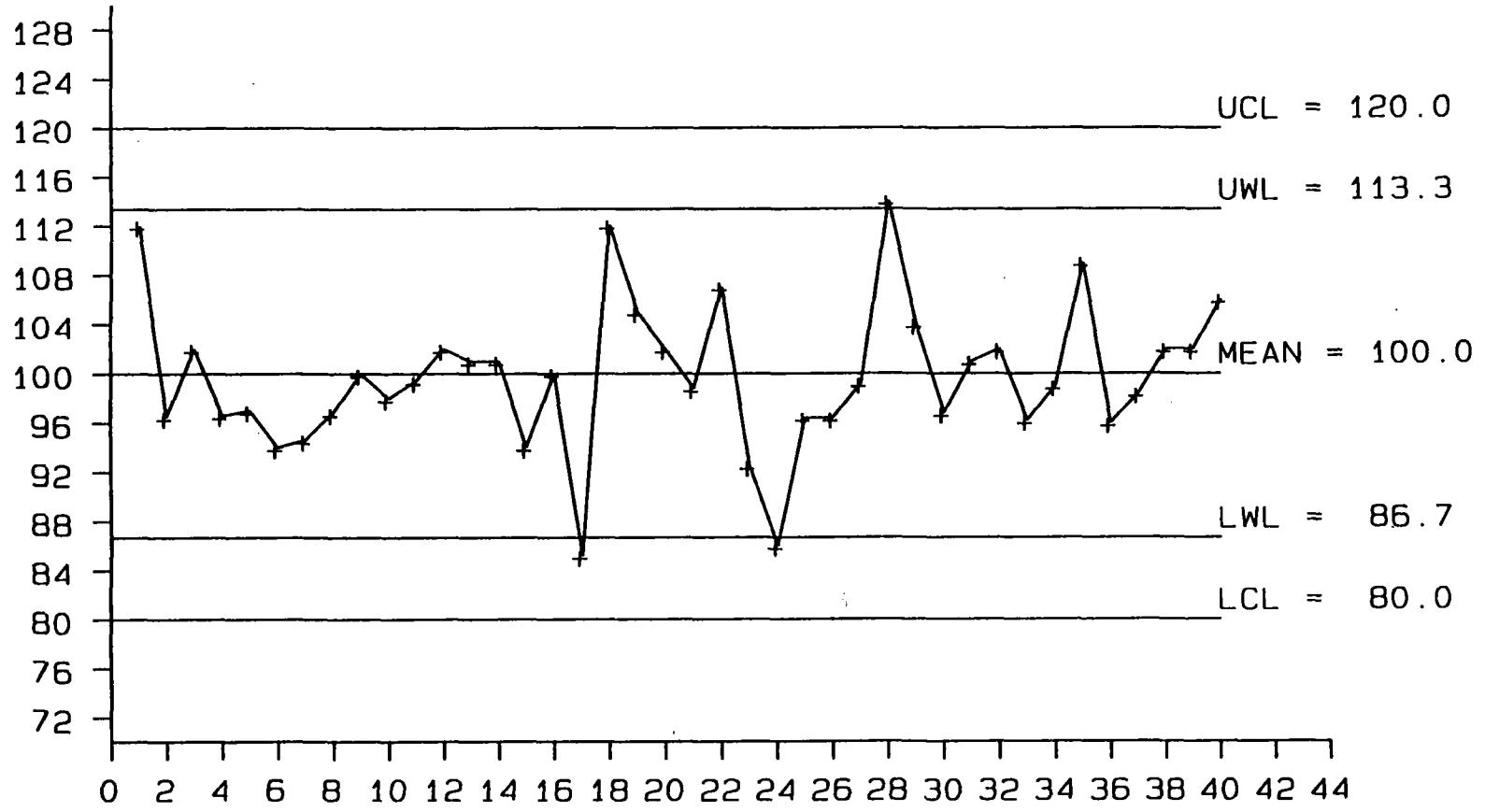
Inchcape Testing Services
Environmental Laboratories

Data Points for: METALS_DISSOLVED/DW Beryllium
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 09:07

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	122094ACE	20-DEC-1994 0	104
2	020295	5-FEB-1995 0	100
3	27016010A1	20-FEB-1995 0	105
4	041995DISS	19-APR-1995 0	97.5
5	042095DSS	20-APR-1995 0	106
6	051695DI	16-MAY-1995 0	98.7
7	051995DI	19-MAY-1995 0	98.9
8	052495DI	24-MAY-1995 0	98.3
9	081095DI	10-AUG-1995 0	102
10	091195DI	11-SEP-1995 0	103
11	122795DI	27-DEC-1995 0	110
12	12595	29-DEC-1995 0	88.1
13	020696DI	6-FEB-1996 0	112
14	020996DI	9-FEB-1996 0	103
15	021796DISS	17-FEB-1996 0	108
16	0217601004	17-FEB-1996 0	108
17	022196DISS	21-FEB-1996 0	95.0
18	031996DISS	19-MAR-1996 0	97.6
19	051096DI	10-MAY-1996 0	101
20	051896DISS	21-MAY-1996 0	99.6
21	052496DI	24-MAY-1996 0	104
22	053196DI	31-MAY-1996 0	104
23	061596DISS	15-JUN-1996 0	103
24	062096DISS	20-JUN-1996 0	106
25	073096DI	30-JUL-1996 0	98.0
26	080996DISS	9-AUG-1996 0	105
27	101196DI	11-OCT-1996 0	97.5
28	101596DI	15-OCT-1996 0	100
29	101796DI	17-OCT-1996 0	97.0
30	102496DI	24-OCT-1996 0	101
31	102596DI	25-OCT-1996 0	98.3
32	103096DI	30-OCT-1996 0	102
33	110596DI	5-NOV-1996 0	104
34	111596DISS	15-NOV-1996 0	98.2

METALS_DISSOLVED/DW Cadmium (LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 10:02:50.76

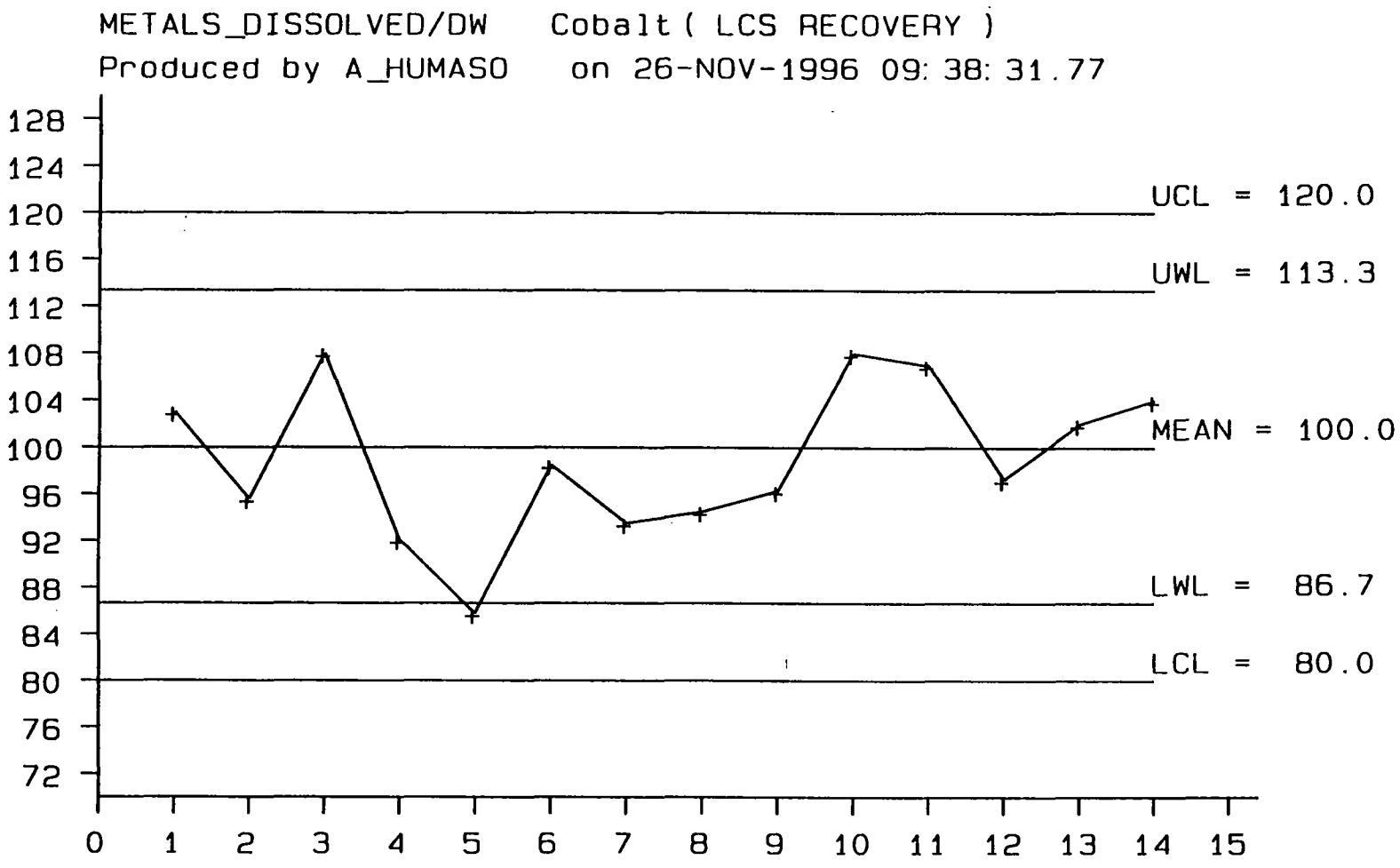


Inchcape Testing Services
Environmental Laboratories

Data Points for: METALS_DISSOLVED/DW Cadmium
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 10:02

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	061596DISS	15-JUN-1996 0	112
2	062096DISS	20-JUN-1996 0	96.5
3	062896DI	28-JUN-1996 0	102
4	071696AF	16-JUL-1996 0	96.6
5	072296AF	22-JUL-1996 0	97.0
6	072996AF	30-JUL-1996 0	94.0
7	072696AF	30-JUL-1996 0	94.6
8	072996BF	30-JUL-1996 0	96.8
9	073096DI	30-JUL-1996 0	100
10	073196AF	31-JUL-1996 0	98.0
11	080596AF	5-AUG-1996 0	99.4
12	080996DISS	9-AUG-1996 0	102
13	090696AF	7-SEP-1996 0	101
14	091096AF	10-SEP-1996 0	101
15	091196D	11-SEP-1996 0	94.0
16	092396AF	23-SEP-1996 0	100
17	092896AF	1-OCT-1996 0	85.2
18	092996AF	1-OCT-1996 0	112
19	100196DI	2-OCT-1996 0	105
20	100196DISS	2-OCT-1996 0	102
21	100296AF	2-OCT-1996 0	98.8
22	100596AF	5-OCT-1996 0	107
23	101096DISS	10-OCT-1996 0	92.5
24	101096DIA	10-OCT-1996 0	86.0
25	101396AF	13-OCT-1996 0	96.4
26	101196AF	13-OCT-1996 0	96.4
27	101796DI	17-OCT-1996 0	99.2
28	101796AF	17-OCT-1996 0	114
29	101096AF	18-OCT-1996 0	104
30	102296AF	22-OCT-1996 0	96.8
31	102496AF	24-OCT-1996 0	101
32	103096DI	30-OCT-1996 0	102
33	110196AF	1-NOV-1996 0	96.2
34	110396AF	5-NOV-1996 0	99.0
35	110996BF	9-NOV-1996 0	109
36	111396AF	13-NOV-1996 0	96.0
37	111596AF	15-NOV-1996 0	98.4
38	111996AF	19-NOV-1996 0	102
39	111996AFPO	19-NOV-1996 0	102
40	112296DI	22-NOV-1996 0	106

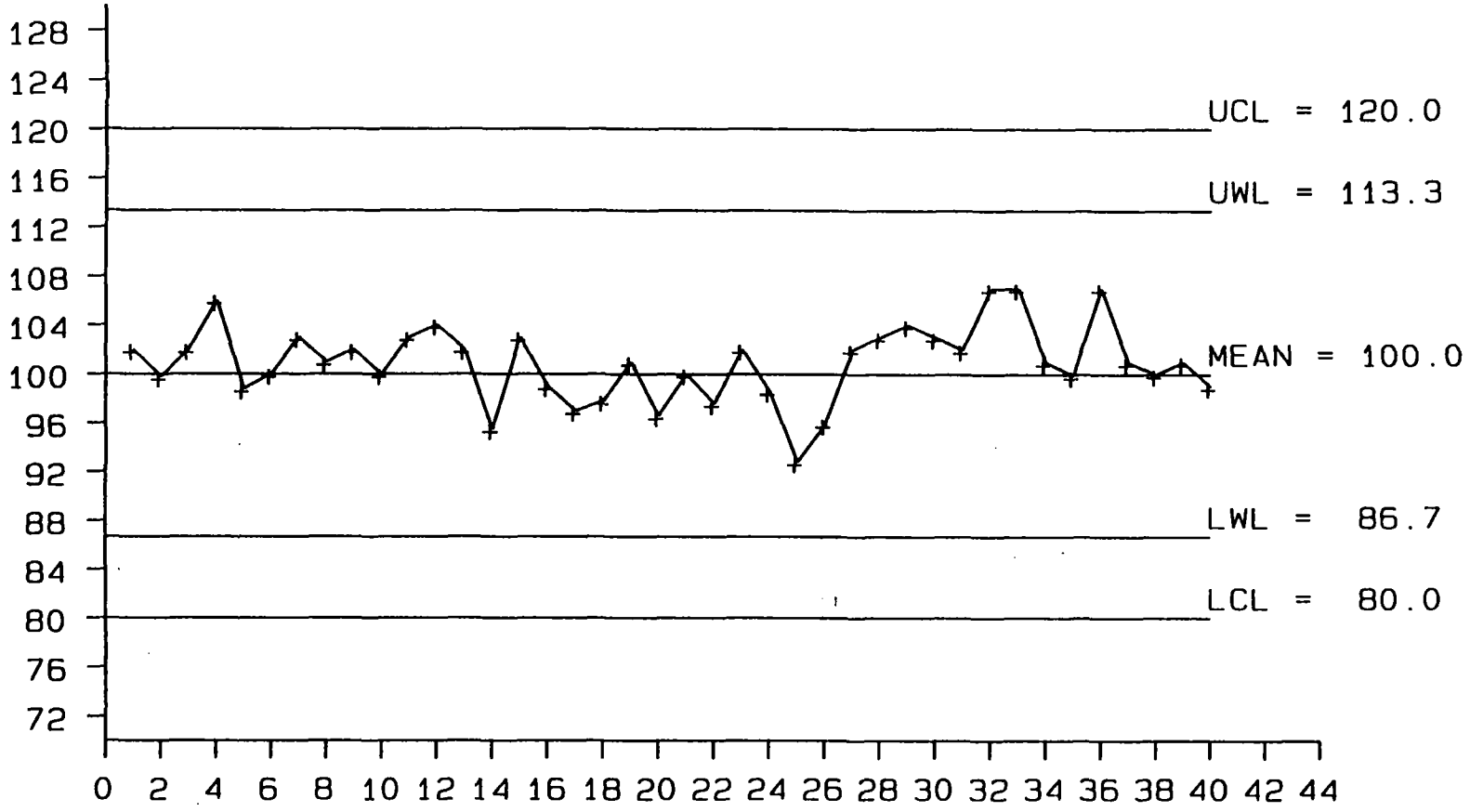

METALS_DISSOLVED/DW Cobalt (LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 09: 38: 31.77
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_DISSOLVED/DW Cobalt
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 09:38

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	122094ACE	20-DEC-1994 0	103
2	10295	14-FEB-1995 0	95.6
3	042895DISS	28-APR-1995 0	108
4	11294A	7-AUG-1995 0	92.1
5	020696DI	6-FEB-1996 0	85.8
6	020996DI	9-FEB-1996 0	98.5
7	031996DISS	20-MAR-1996 0	93.5
8	051796DI	17-MAY-1996 0	94.5
9	053196DI	31-MAY-1996 0	96.3
10	061596DISS	15-JUN-1996 0	108
11	100196DI	2-OCT-1996 0	107
12	101096DIA	10-OCT-1996 0	97.3
13	101596DI	15-OCT-1996 0	102
14	111296DI	12-NOV-1996 0	104

METALS_DISSOLVED/DW Chromium (LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 10:06:36.67



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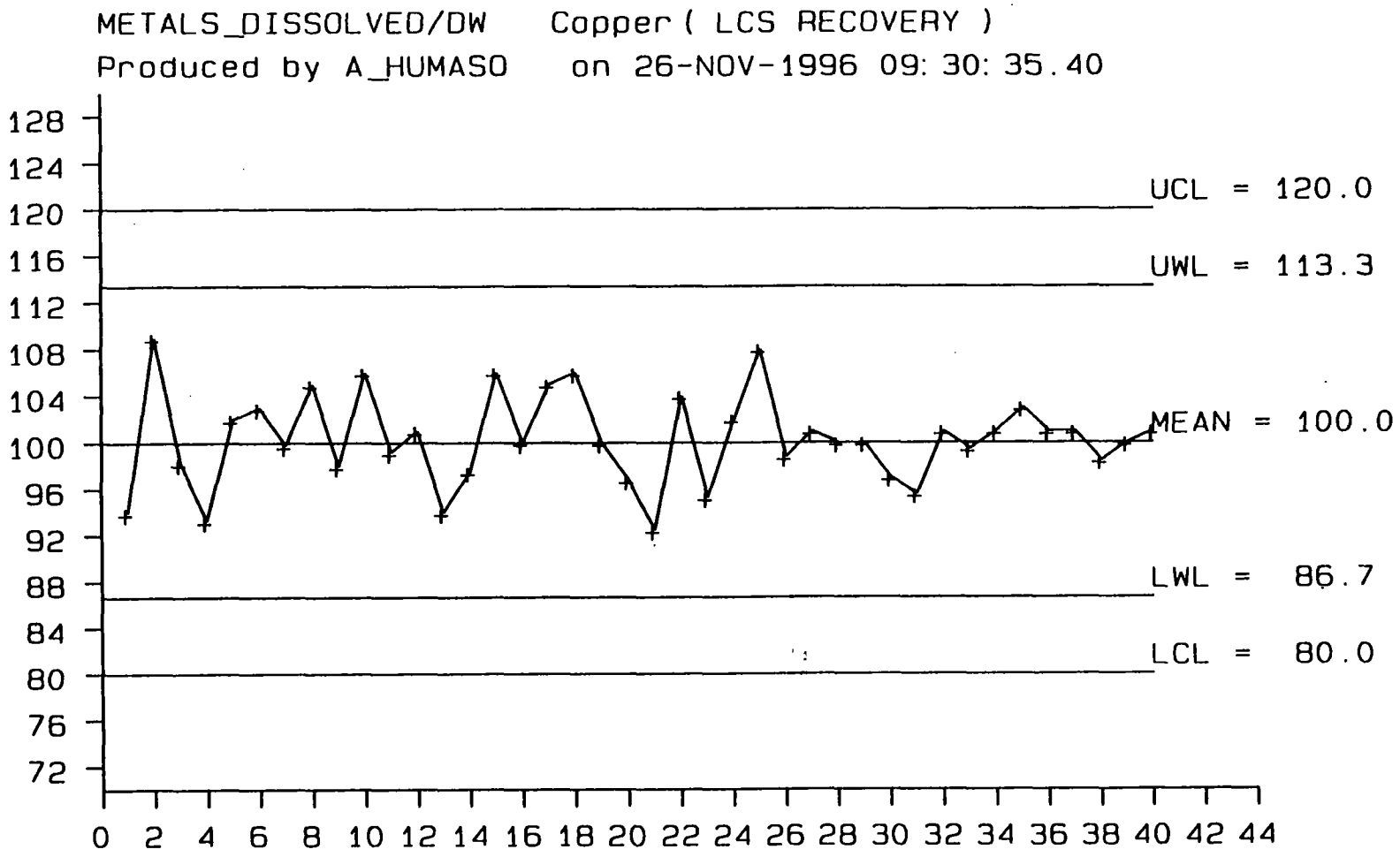
Data Points for: METALS_DISSOLVED/DW Chromium
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 10:06

Current Control Limits
(80.0 - 120.0)

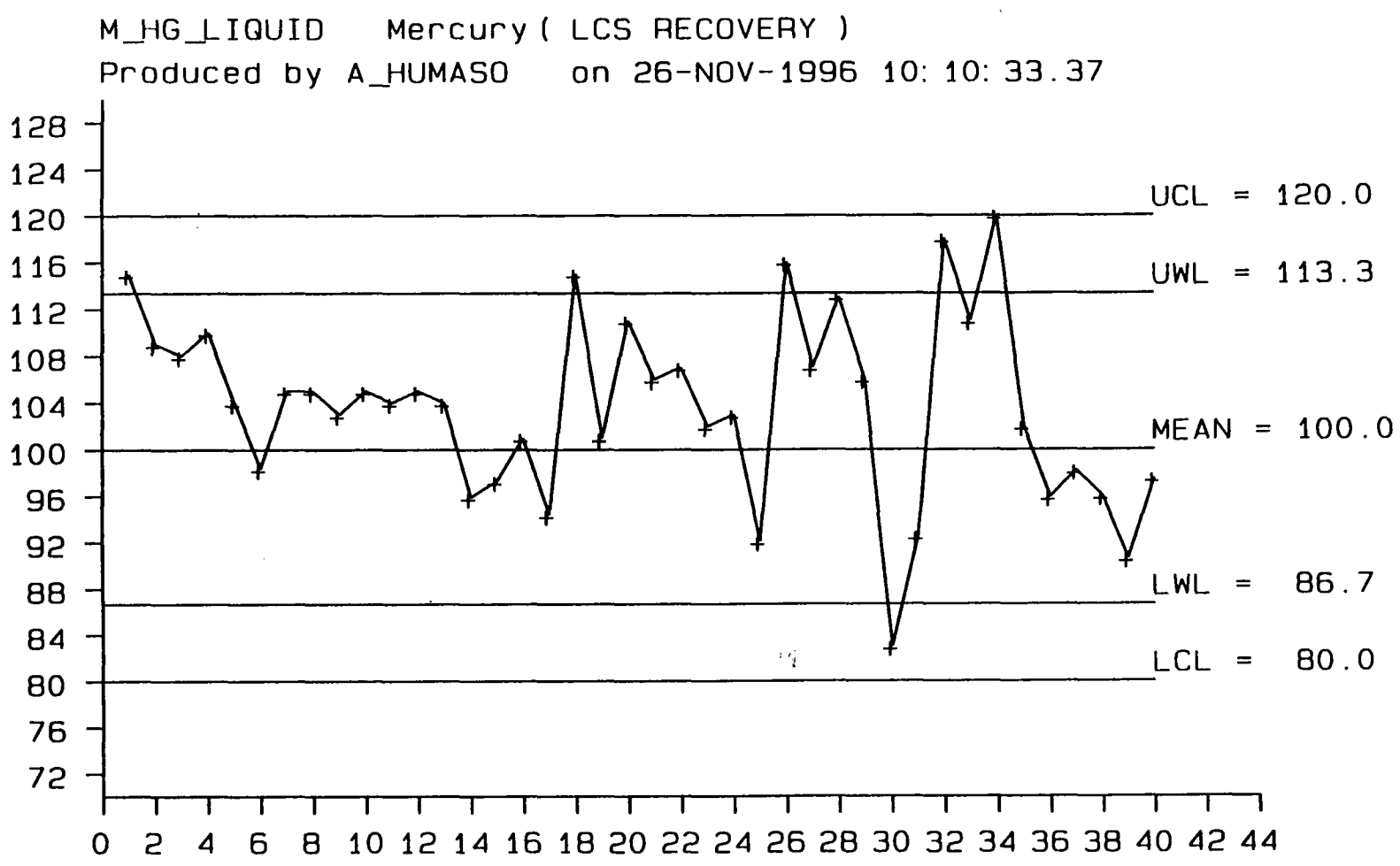
Point	Batch Number	Date Analyzed	Value (%)
1	090696AF	6-SEP-1996 0	102
2	090696DI	6-SEP-1996 0	99.8
3	090996DI	9-SEP-1996 0	102
4	091496DI	14-SEP-1996 0	106
5	092396AF	24-SEP-1996 0	98.8
6	092596DISS	25-SEP-1996 0	100
7	092596DI	25-SEP-1996 0	103
8	092696DIA	26-SEP-1996 0	101
9	092696DIB	26-SEP-1996 0	102
10	092696DIC	27-SEP-1996 0	100
11	092696DID	27-SEP-1996 0	103
12	100196DI	2-OCT-1996 0	104
13	100796AF	7-OCT-1996 0	102
14	100996DISS	9-OCT-1996 0	95.5
15	101096DI	10-OCT-1996 0	103
16	101096DIB	10-OCT-1996 0	99.0
17	101096DIA	10-OCT-1996 0	97.0
18	101096DISS	10-OCT-1996 0	97.8
19	101596DI	15-OCT-1996 0	101
20	101796DI	17-OCT-1996 0	96.6
21	102296AF	22-OCT-1996 0	100
22	102396DI	23-OCT-1996 0	97.6
23	102496DI	24-OCT-1996 0	102
24	102596DI	25-OCT-1996 0	98.6
25	102496AF	25-OCT-1996 0	92.8
26	102896DI	28-OCT-1996 0	95.9
27	103096DI	30-OCT-1996 0	102
28	103196DI	31-OCT-1996 0	103
29	110596DI	5-NOV-1996 0	104
30	111396DISS	13-NOV-1996 0	103
31	111396DI	13-NOV-1996 0	102
32		15-NOV-1996 0	107
33	111596DIPO	15-NOV-1996 0	107
34	111596DIA	15-NOV-1996 0	101
35	111596DISS	15-NOV-1996 0	99.9
36	111596DI	15-NOV-1996 0	107
37	111896DI	18-NOV-1996 0	101
38	111996DI	19-NOV-1996 0	100
39	112096DI	20-NOV-1996 0	101
40	112296DI	22-NOV-1996 0	99.0


METALS_DISSOLVED/DW Copper (LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 09: 30: 35.40
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_DISSOLVED/DW Copper
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 09:30

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	020596AF	5-FEB-1996 0	94.0
2	020696DI	6-FEB-1996 0	109
3	020996DI	9-FEB-1996 0	98.3
4	022196DISS	21-FEB-1996 0	93.3
5	022296AF	22-FEB-1996 0	102
6	030796D	7-MAR-1996 0	103
7	031996DISS	19-MAR-1996 0	99.8
8	032196AF	21-MAR-1996 0	105
9	040396DISS	3-APR-1996 0	98.0
10	040396AF	3-APR-1996 0	106
11	041796DI	17-APR-1996 0	99.2
12	041796AF	18-APR-1996 0	101
13	051096DI	10-MAY-1996 0	94.0
14	051796DI	17-MAY-1996 0	97.5
15	052896AF	28-MAY-1996 0	106
16	053196DI	31-MAY-1996 0	100
17	061596DISS	15-JUN-1996 0	105
18	061896DI	18-JUN-1996 0	106
19	062096DISS	20-JUN-1996 0	100
20	062696BF	28-JUN-1996 0	96.8
21	071696DISS	16-JUL-1996 0	92.5
22	072496AF	29-JUL-1996 0	104
23	073096DI	30-JUL-1996 0	95.3
24	073196AF	1-AUG-1996 0	102
25	080996DISS	9-AUG-1996 0	108
26	081996AF	21-AUG-1996 0	98.8
27	082196AF	21-AUG-1996 0	101
28	082696BF	29-AUG-1996 0	100
29	090696DI	6-SEP-1996 0	100
30	091196D	16-SEP-1996 0	97.0
31	100296BF	2-OCT-1996 0	95.6
32	101096DISS	10-OCT-1996 0	101
33	101096DIA	10-OCT-1996 0	99.5
34	101596DI	15-OCT-1996 0	101
35	101796DI	17-OCT-1996 0	103
36	102296AF	23-OCT-1996 0	101
37	103096DI	30-OCT-1996 0	101
38	110596DI	5-NOV-1996 0	98.5
39	110996AF	9-NOV-1996 0	100
40	111596DISS	15-NOV-1996 0	101

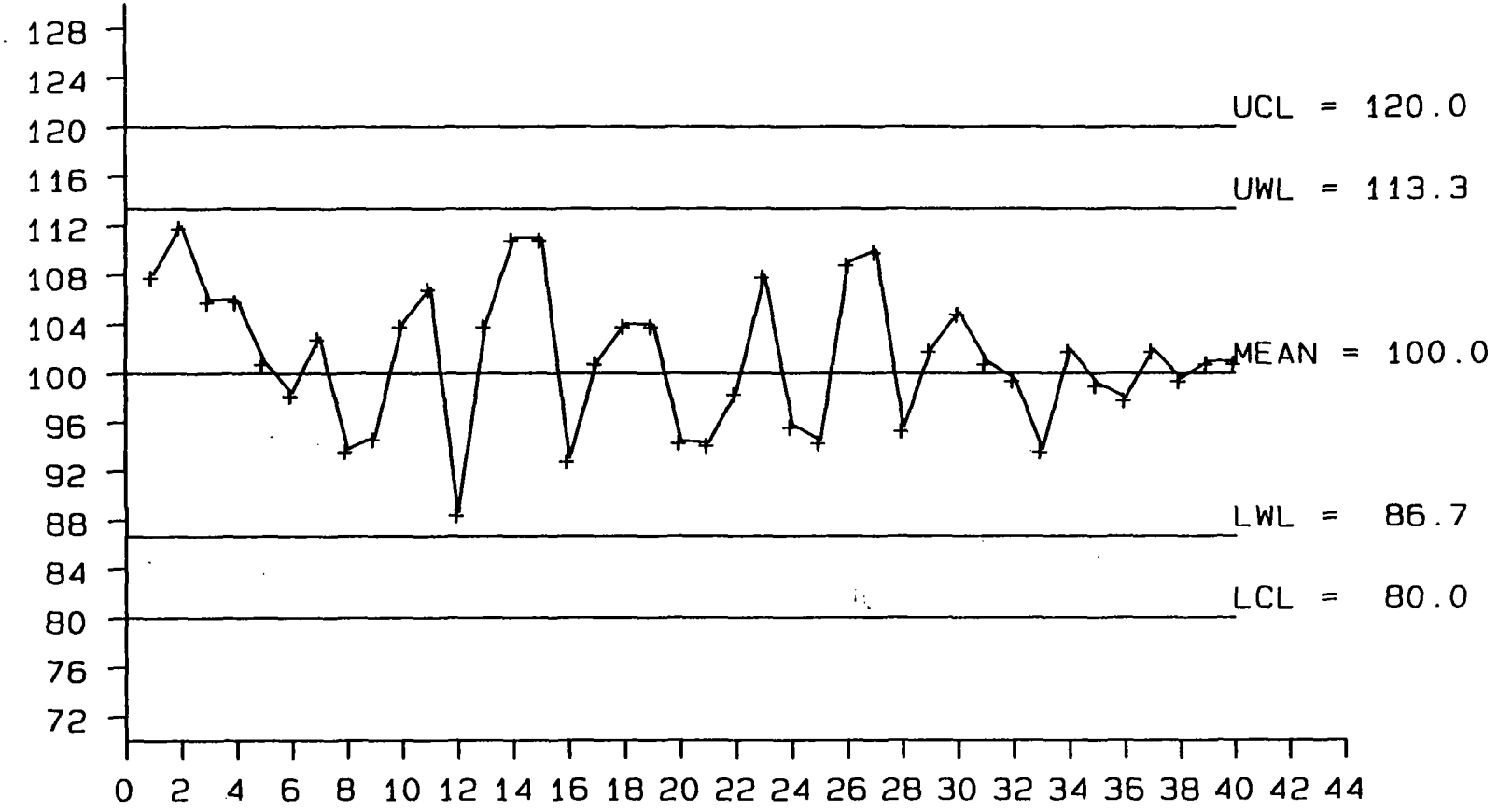

M_HG_LIQUID Mercury (LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 10: 10: 33.37
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: M_HG_LIQUID Mercury
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 10:10

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	HG-3033	26-OCT-1996 0	115
2	HG-3030	27-OCT-1996 0	109
3	HG-3031	27-OCT-1996 0	108
4	HG-3032	27-OCT-1996 0	110
5	HG-3038	29-OCT-1996 0	104
6	HG-3039	29-OCT-1996 0	98.4
7	HG-3043	29-OCT-1996 0	105
8	HG-3044	30-OCT-1996 0	105
9	1029747001	30-OCT-1996 0	103
10	HG-3045	31-OCT-1996 0	105
11	HG-3047	31-OCT-1996 0	104
12	HG-3054	1-NOV-1996 0	105
13	HG-3053	1-NOV-1996 0	104
14	HG-3061	3-NOV-1996 0	95.9
15	HG-3059	3-NOV-1996 0	97.3
16	HG-3060	3-NOV-1996 0	101
17	1101747001	3-NOV-1996 0	94.4
18	HG-3064	5-NOV-1996 0	115
19	HG-3069	8-NOV-1996 0	101
20	HG-3071	11-NOV-1996 0	111
21	HG-3075	11-NOV-1996 0	106
22	HG-3078	12-NOV-1996 0	107
23	HG-3084	13-NOV-1996 0	102
24	HG-3088	14-NOV-1996 0	103
25	HG-3089	14-NOV-1996 0	92.1
26	HG-3092	15-NOV-1996 0	116
27	HG-3093	15-NOV-1996 0	107
28	HG-3087	15-NOV-1996 0	113
29	HG-3094	18-NOV-1996 0	106
30	HG-3095	18-NOV-1996 0	83.0
31	HG-3100	18-NOV-1996 0	92.5
32	HG-3110	20-NOV-1996 0	118
33	HG-3106	20-NOV-1996 0	111
34	HG-3111	20-NOV-1996 0	120
35	HG-3116	21-NOV-1996 0	102
36	HG-3120	22-NOV-1996 0	95.9
37	HG-3118	22-NOV-1996 0	98.2
38	HG-3132	25-NOV-1996 0	96.0
39	HG-3128	25-NOV-1996 0	90.6
40	HG-3124	25-NOV-1996 0	97.5

METALS_DISSOLVED/DW Nickel (LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 09:33:00.90



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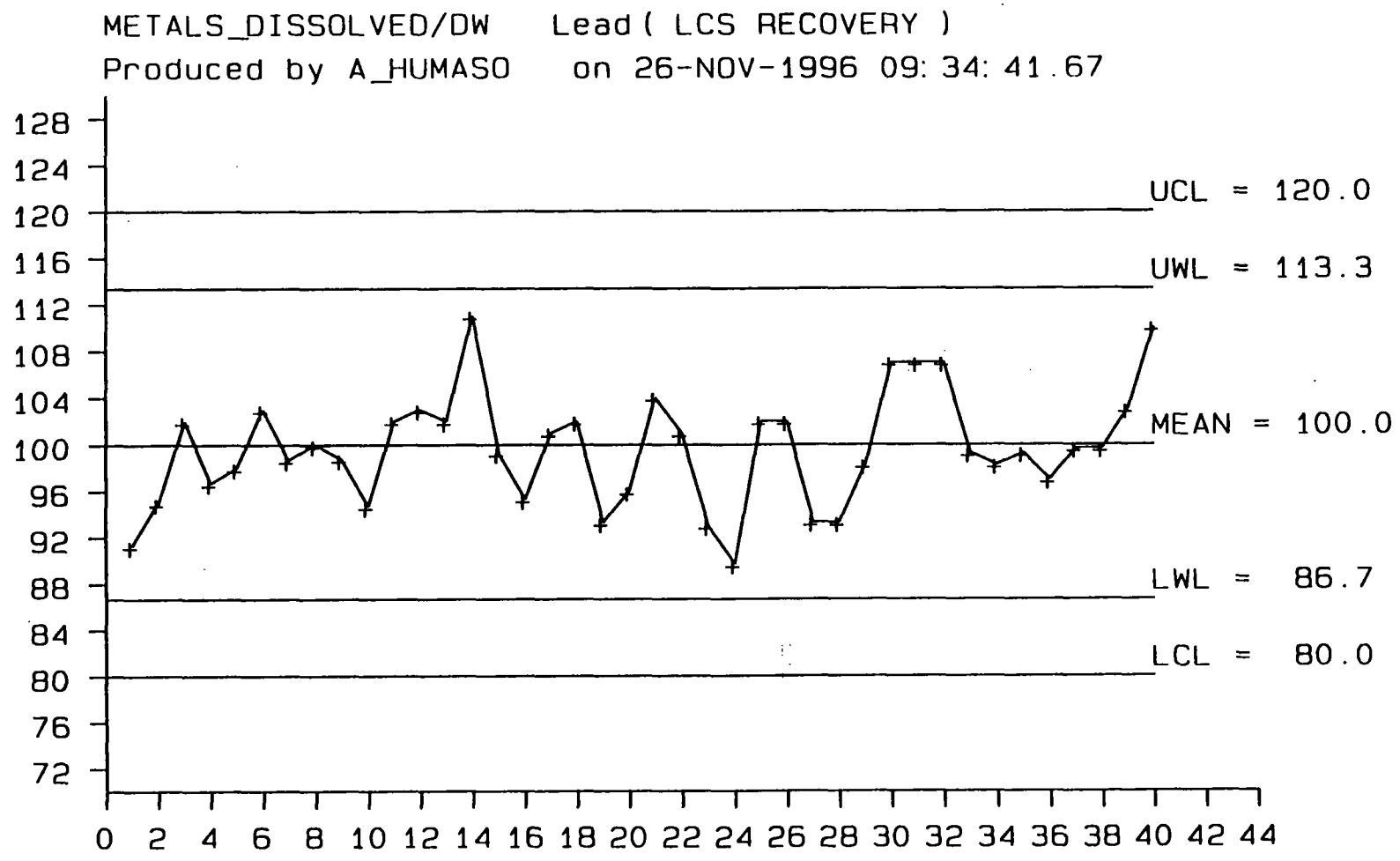
Data Points for: METALS_DISSOLVED/DW Nickel
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 09:33

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	091195DI	11-SEP-1995 0	108
2	110195DISS	1-NOV-1995 0	112
3	110295A	3-NOV-1995 0	106
4	110895DI	8-NOV-1995 0	106
5	110995DI	9-NOV-1995 0	101
6	120695DISS	6-DEC-1995 0	98.4
7	122795DI	27-DEC-1995 0	103
8	020696DI	6-FEB-1996 0	93.8
9	020996DI	9-FEB-1996 0	94.8
10	021396DI	13-FEB-1996 0	104
11	021496DI	14-FEB-1996 0	107
12	021696DI	16-FEB-1996 0	88.6
13	021796DI	17-FEB-1996 0	104
14	021796DISS	17-FEB-1996 0	111
15	0217601004	17-FEB-1996 0	111
16	022196DISS	21-FEB-1996 0	93.0
17	031996DISS	19-MAR-1996 0	101
18	041796DI	17-APR-1996 0	104
19	042596DI	25-APR-1996 0	104
20	051096DI	10-MAY-1996 0	94.5
21	051796DI	17-MAY-1996 0	94.3
22	053196DI	31-MAY-1996 0	98.5
23	061596DISS	15-JUN-1996 0	108
24	062096DISS	20-JUN-1996 0	95.8
25	073096DI	30-JUL-1996 0	94.5
26	080996DISS	9-AUG-1996 0	109
27	081596DI	15-AUG-1996 0	110
28	081696DI	16-AUG-1996 0	95.5
29	082096DI	20-AUG-1996 0	102
30	100196DI	2-OCT-1996 0	105
31	100196DISS	2-OCT-1996 0	101
32	101096DISS	10-OCT-1996 0	99.6
33	101096DIA	10-OCT-1996 0	93.8
34	101596DI	15-OCT-1996 0	102
35	101796DI	17-OCT-1996 0	99.2
36	102396DI	23-OCT-1996 0	98.0
37	103096DI	30-OCT-1996 0	102
38	103196DI	31-OCT-1996 0	99.6
39	110596DI	5-NOV-1996 0	101
40	111596DISS	15-NOV-1996 0	101


METALS_DISSOLVED/DW Lead (LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 09: 34: 41.67
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44

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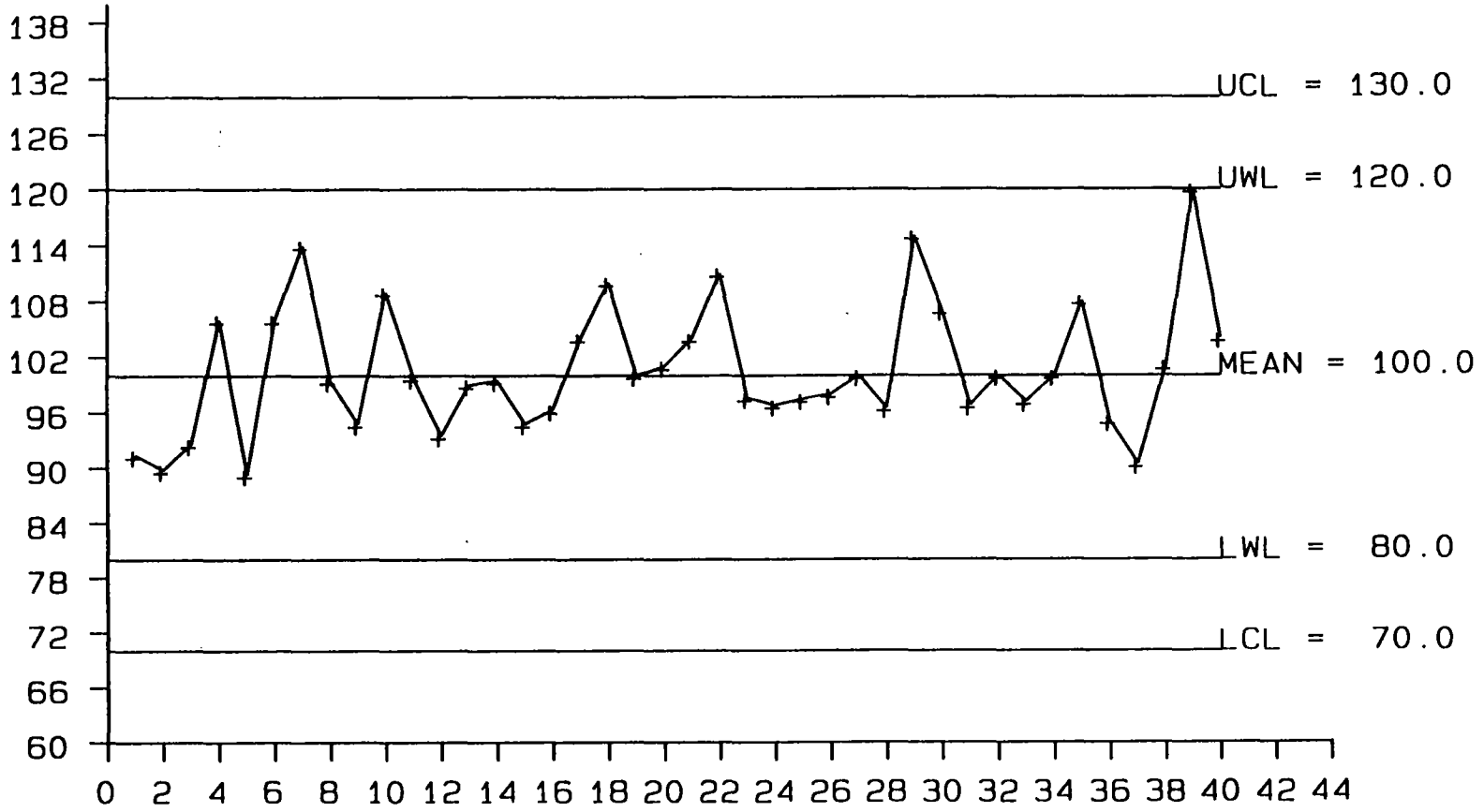
Data Points for: METALS_DISSOLVED/DW Lead
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 09:34

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	100396AF	3-OCT-1996 0	91.3
2	100296AF	3-OCT-1996 0	95.0
3	100896AF	8-OCT-1996 0	102
4	101096BF	10-OCT-1996 0	96.7
5	101096DISS	10-OCT-1996 0	98.0
6	101396BF	13-OCT-1996 0	103
7	101496AF	14-OCT-1996 0	98.7
8	101596DI	15-OCT-1996 0	100
9	101796DI	17-OCT-1996 0	98.8
10	101796AF	18-OCT-1996 0	94.7
11	102396AF	23-OCT-1996 0	102
12	102396BF	23-OCT-1996 0	103
13	101096AF	24-OCT-1996 0	102
14	102596AF	25-OCT-1996 0	111
15	102896AF	28-OCT-1996 0	99.3
16	102996FF	29-OCT-1996 0	95.3
17	102996EF	29-OCT-1996 0	101
18	102996DF	29-OCT-1996 0	102
19	102996CF	29-OCT-1996 0	93.3
20	102996BF	29-OCT-1996 0	96.0
21	102996AF	29-OCT-1996 0	104
22	103096DI	30-OCT-1996 0	101
23	110196AF	1-NOV-1996 0	93.0
24	110396AF	5-NOV-1996 0	89.7
25	110696AF	6-NOV-1996 0	102
26	110696BF	6-NOV-1996 0	102
27	111396CFPO	13-NOV-1996 0	93.3
28	111396CF	13-NOV-1996 0	93.3
29	111396BF	13-NOV-1996 0	98.3
30	111596DI	15-NOV-1996 0	107
31	111596DIPO	15-NOV-1996 0	107
32		15-NOV-1996 0	107
33	111696AFPO	16-NOV-1996 0	99.3
34	111696BF	16-NOV-1996 0	98.3
35	111696AF	16-NOV-1996 0	99.3
36	111596AF	16-NOV-1996 0	97.0
37	111996AF	19-NOV-1996 0	99.7
38	111996AFPO	19-NOV-1996 0	99.7
39	112296DI	22-NOV-1996 0	103
40	112596DIB	25-NOV-1996 0	110

METALS_DISSOLVED/DW Antimony (LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 09:58:00.62

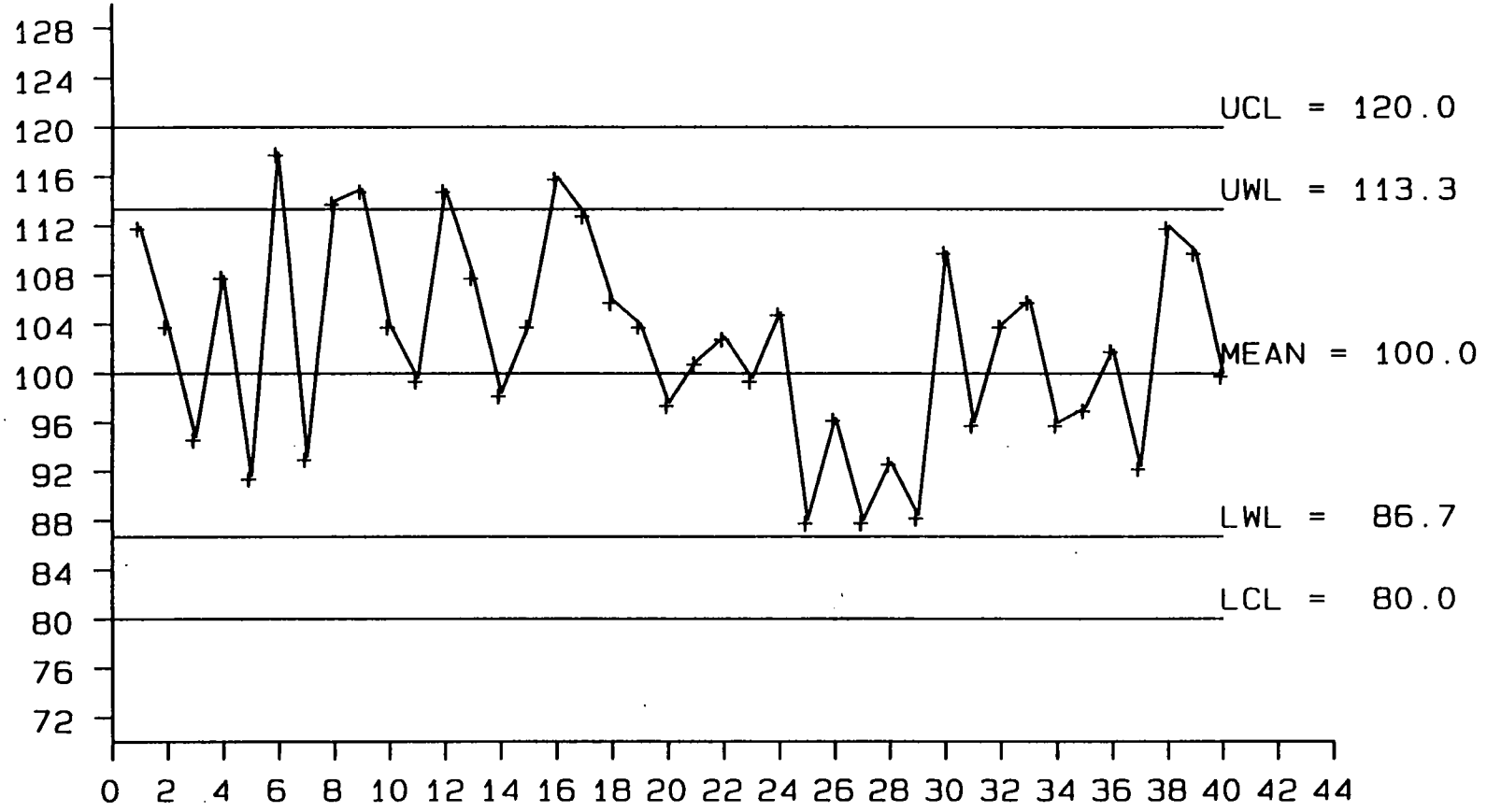


Data Points for: METALS_DISSOLVED/DW Antimony
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 09:58

Current Control Limits
(70.0 - 130.0)

Point	Batch Number	Date Analyzed	Value (%)
1	071095AF	10-JUL-1995 0	91.4
2	11294A	7-AUG-1995 0	89.8
3	100995SF	9-OCT-1995 0	92.6
4	122995DI	29-DEC-1995 0	106
5	12495	5-JAN-1996 0	89.3
6	010896AF	8-JAN-1996 0	106
7	020696DI	6-FEB-1996 0	114
8	020996DI	9-FEB-1996 0	99.5
9	020796AF	15-FEB-1996 0	94.8
10	022196DISS	21-FEB-1996 0	109
11	030796D	7-MAR-1996 0	99.8
12	031996DISS	19-MAR-1996 0	93.5
13	040896AF	8-APR-1996 0	99.0
14	051096DI	10-MAY-1996 0	99.5
15	051796AF	20-MAY-1996 0	94.8
16	052496DISS	24-MAY-1996 0	96.3
17	052496AF	29-MAY-1996 0	104
18	062496DI	24-JUN-1996 0	110
19	062596AF	25-JUN-1996 0	100
20	070996AF	9-JUL-1996 0	101
21	071696AF	17-JUL-1996 0	104
22	072296AF	23-JUL-1996 0	111
23	072696AF	26-JUL-1996 0	97.6
24	072996BF	29-JUL-1996 0	96.8
25	073096DI	30-JUL-1996 0	97.5
26	080596AF	6-AUG-1996 0	98.0
27	080996DISS	9-AUG-1996 0	100
28	091196D	13-SEP-1996 0	96.5
29	092896AF	1-OCT-1996 0	115
30	092996AF	1-OCT-1996 0	107
31	100296AF	9-OCT-1996 0	96.8
32	091996AF	10-OCT-1996 0	100
33	101096AF	10-OCT-1996 0	97.2
34	101096DISS	10-OCT-1996 0	100
35	101196AF	11-OCT-1996 0	108
36	101796DI	17-OCT-1996 0	95.1
37	101796AF	18-OCT-1996 0	90.4
38	103096DI	30-OCT-1996 0	101
39	110196AF	1-NOV-1996 0	120
40	110396AF	3-NOV-1996 0	104

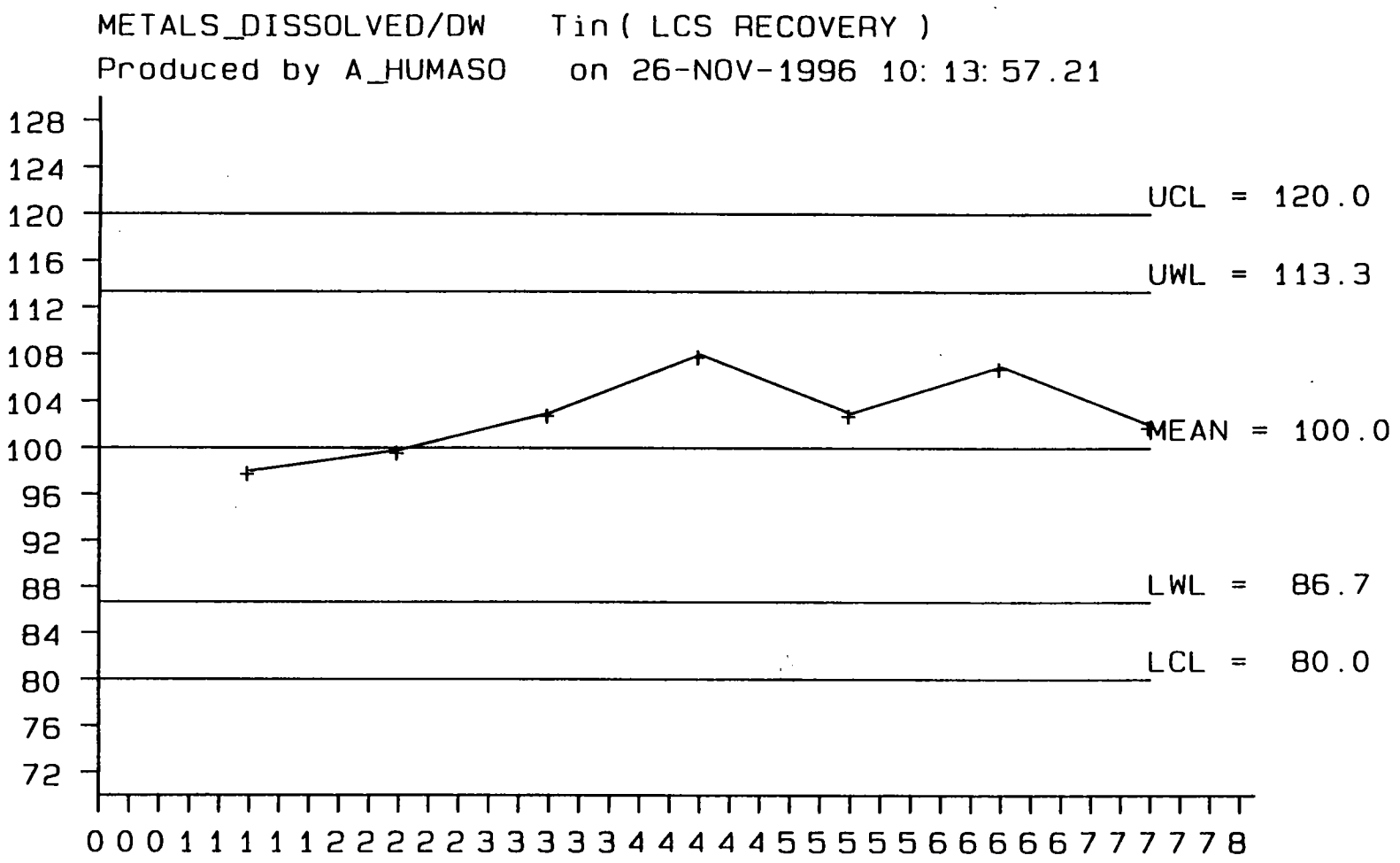
METALS_DISSOLVED/DW Selenium (LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 10: 12: 20.37



Data Points for: METALS_DISSOLVED/DW Selenium
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 10:12

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	0210742101	13-FEB-1996 0	112
2	022296AF	22-FEB-1996 0	104
3	022696AF	26-FEB-1996 0	94.8
4	030496AF	4-MAR-1996 0	108
5	031996BF	1-APR-1996 0	91.6
6	032696AF	1-APR-1996 0	118
7	041796BF	17-APR-1996 0	93.2
8	042996AF	29-APR-1996 0	114
9	050796FF	7-MAY-1996 0	115
10	051396AF	13-MAY-1996 0	104
11	051796AF	21-MAY-1996 0	99.6
12	052496AF	29-MAY-1996 0	115
13	061096DF	11-JUN-1996 0	108
14	061896AF	18-JUN-1996 0	98.4
15	071696AF	16-JUL-1996 0	104
16	072296AF	22-JUL-1996 0	116
17	072696AF	26-JUL-1996 0	113
18	072996AF	29-JUL-1996 0	106
19	072996BF	29-JUL-1996 0	104
20	073196AF	1-AUG-1996 0	97.6
21	080596AF	5-AUG-1996 0	101
22	080796AF	7-AUG-1996 0	103
23	091096AF	10-SEP-1996 0	99.6
24	091996AF	19-SEP-1996 0	105
25	092696AF	28-SEP-1996 0	88.0
26	092896AF	28-SEP-1996 0	96.4
27	092996AF	29-SEP-1996 0	88.0
28	100296AF	2-OCT-1996 0	92.8
29	100496AF	4-OCT-1996 0	88.4
30	101196AF	11-OCT-1996 0	110
31	101596AF	15-OCT-1996 0	96.0
32	101796AF	19-OCT-1996 0	104
33	102396CF	23-OCT-1996 0	106
34	100996AF	25-OCT-1996 0	96.0
35	103196AF	31-OCT-1996 0	97.2
36	102996AF	31-OCT-1996 0	102
37	110396AF	4-NOV-1996 0	92.4
38	111196AF	11-NOV-1996 0	112
39	111596AF	15-NOV-1996 0	110
40	112096AF	20-NOV-1996 0	100

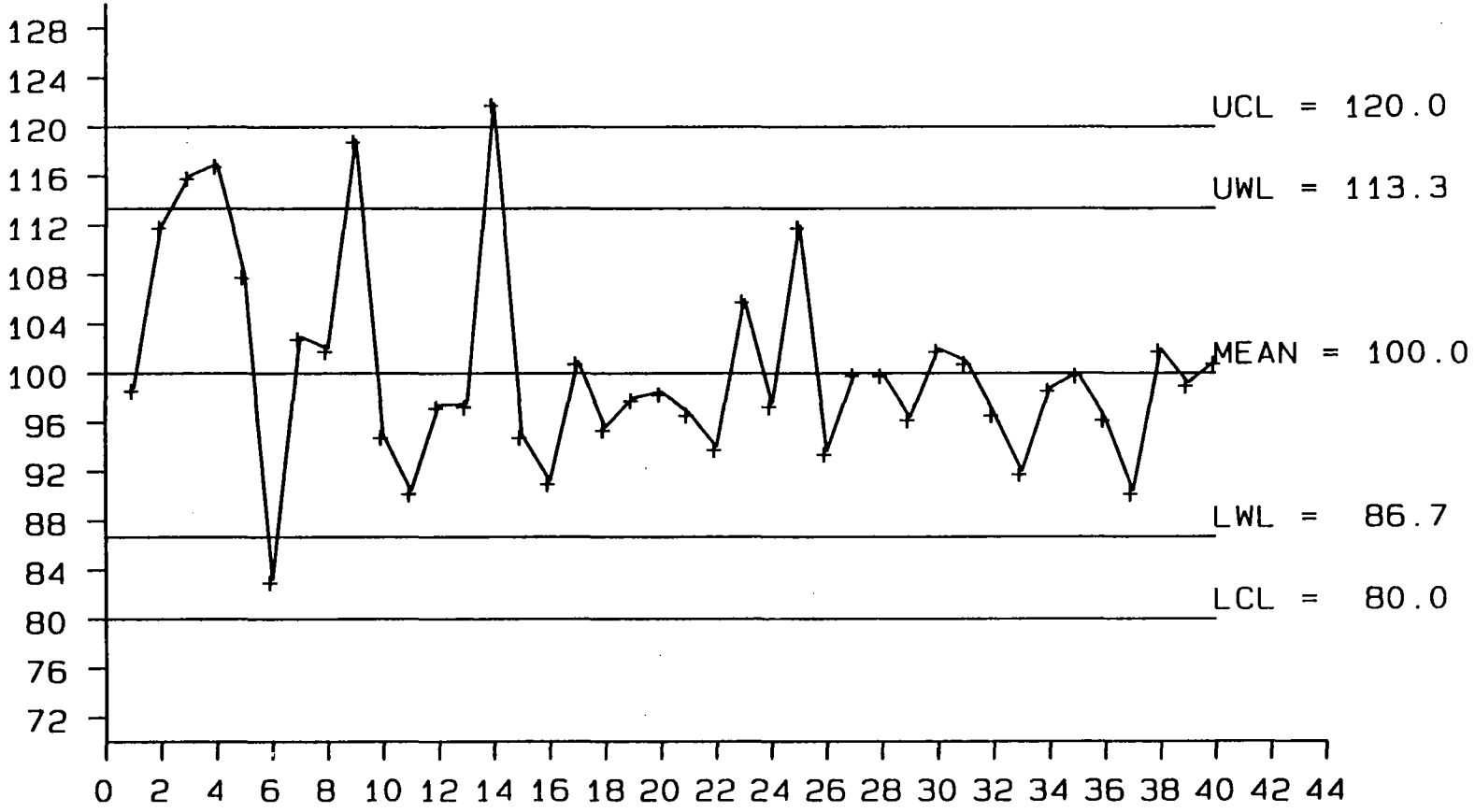

METALS_DISSOLVED/DW Tin (LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 10: 13: 57.21
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0
0 0 0 1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8

Data Points for: METALS_DISSOLVED/DW Tin
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 10:14

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	062795DIP	27-JUN-1995 0	98.0
2	062795DISS	27-JUN-1995 0	99.8
3	072795DI	27-JUL-1995 0	103
4	022096DI	20-FEB-1996 0	108
5	022696DISS	26-FEB-1996 0	103
6	061596DISS	15-JUN-1996 0	107
7	081696DISS	16-AUG-1996 0	102

METALS_DISSOLVED/DW Thallium(LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 10:03:56.27

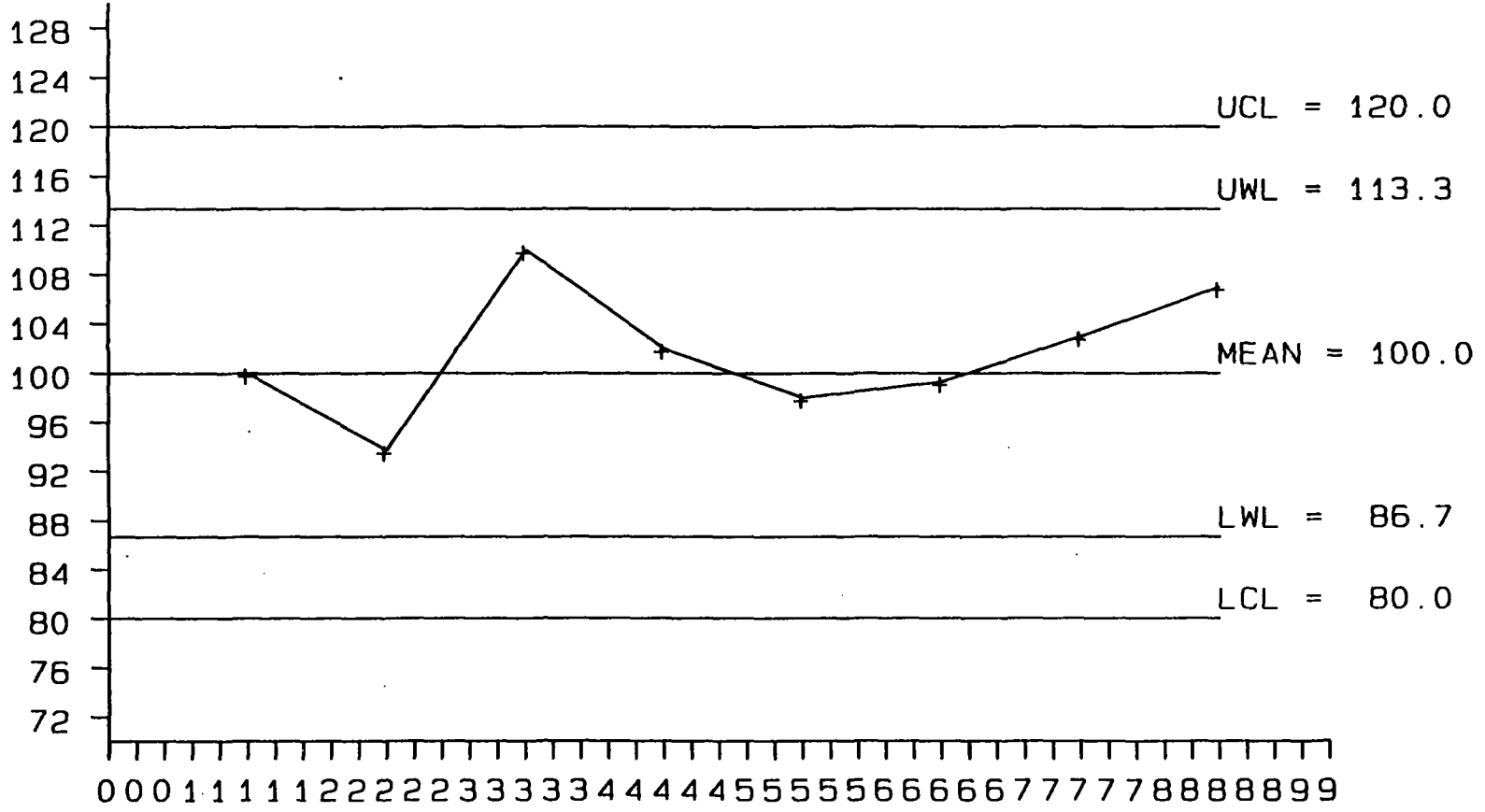


Data Points for: METALS_DISSOLVED/DW Thallium
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 10:03

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	042595BF	27-APR-1995 0	98.8
2	051695DI	16-MAY-1995 0	112
3	051995DI	19-MAY-1995 0	116
4	052495DI	24-MAY-1995 0	117
5	060895BF	8-JUN-1995 0	108
6	11294A	7-AUG-1995 0	83.2
7	122795DI	27-DEC-1995 0	103
8	011196BF	12-JAN-1996 0	102
9	020696DI	6-FEB-1996 0	119
10	020996DI	9-FEB-1996 0	95.0
11	020796AF	15-FEB-1996 0	90.4
12	022896DI	28-FEB-1996 0	97.4
13	022896DISS	28-FEB-1996 0	97.5
14	031996DISS	20-MAR-1996 0	122
15	051096DI	10-MAY-1996 0	95.0
16	051796AF	20-MAY-1996 0	91.2
17	052496DISS	24-MAY-1996 0	101
18	052496AF	28-MAY-1996 0	95.6
19	053196AF	31-MAY-1996 0	98.0
20	062096DISS	20-JUN-1996 0	98.5
21	071696AF	16-JUL-1996 0	96.8
22	072296AF	24-JUL-1996 0	94.0
23	072996BF	30-JUL-1996 0	106
24	073096DI	30-JUL-1996 0	97.5
25	080596AF	6-AUG-1996 0	112
26	080996DISS	9-AUG-1996 0	93.6
27	092896AF	28-SEP-1996 0	100
28	100996DI	9-OCT-1996 0	100
29	101096DISS	10-OCT-1996 0	96.4
30	101196AF	14-OCT-1996 0	102
31	101796DI	17-OCT-1996 0	101
32	101796AF	19-OCT-1996 0	96.8
33	100296AF	19-OCT-1996 0	92.0
34	101096AF	24-OCT-1996 0	98.8
35	092996AF	24-OCT-1996 0	100
36	102496BF	24-OCT-1996 0	96.4
37	102496CF	24-OCT-1996 0	90.4
38	103096DI	30-OCT-1996 0	102
39	110196AF	1-NOV-1996 0	99.2
40	110396AF	5-NOV-1996 0	101

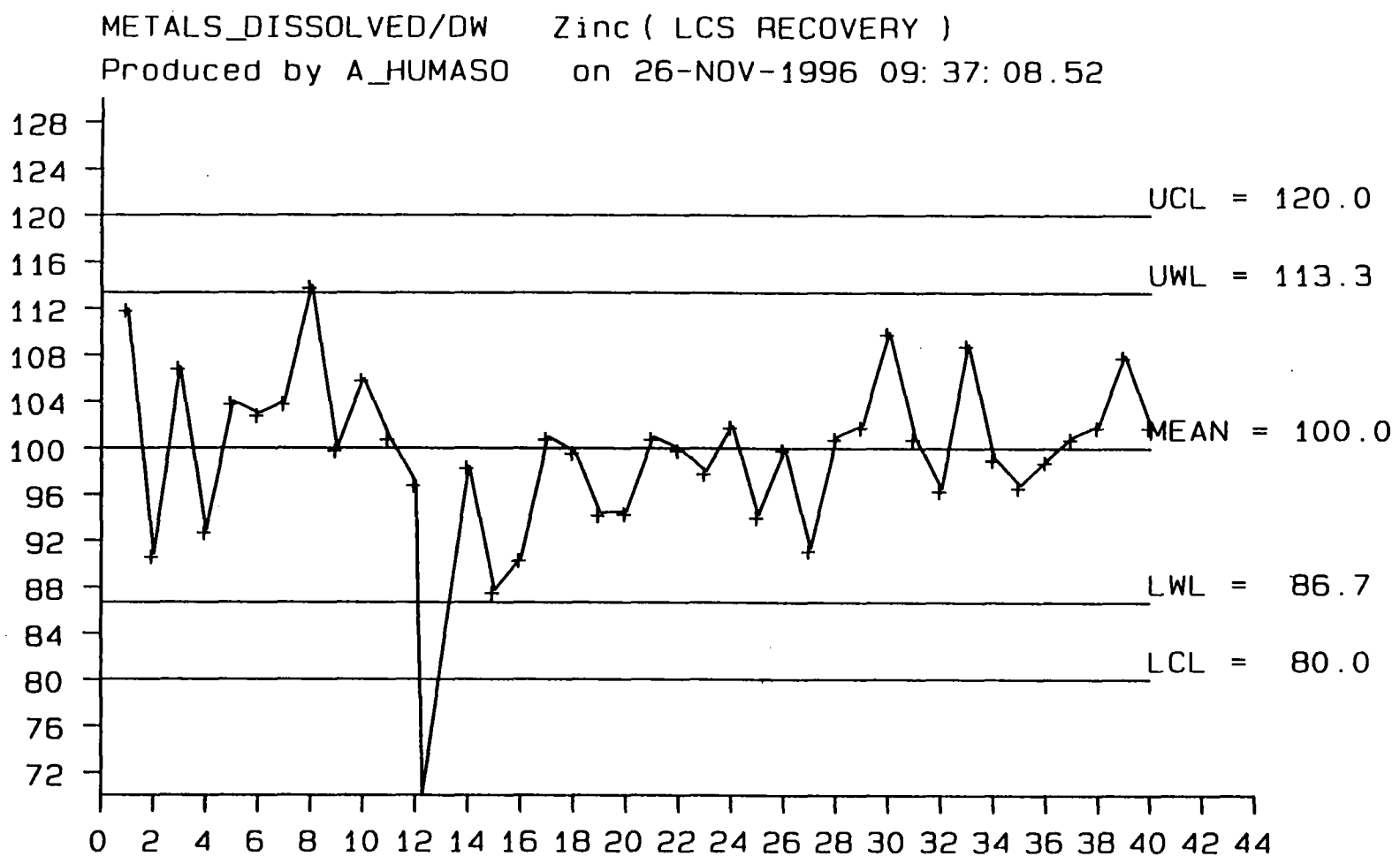
METALS_DISSOLVED/DW Vanadium(LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 09:41:08.08



Data Points for: METALS_DISSOLVED/DW Vanadium
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 09:41

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	122094ACE	20-DEC-1994 0	100
2	11294A	7-AUG-1995 0	93.7
3	020696DI	6-FEB-1996 0	110
4	020996DI	9-FEB-1996 0	102
5	031996DISS	20-MAR-1996 0	98.0
6	051796DI	17-MAY-1996 0	99.3
7	053196DI	31-MAY-1996 0	103
8	061596DISS	15-JUN-1996 0	107


METALS_DISSOLVED/DW Zinc (LCS RECOVERY)
Produced by A_HUMASO on 26-NOV-1996 09: 37: 08.52
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
UCL = 120.0
UWL = 113.3
MEAN = 100.0
LWL = 86.7
LCL = 80.0

Data Points for: METALS_DISSOLVED/DW Zinc
Chart Type: LCS RECOVERY
Generated on: 26-NOV-1996 09:37

Current Control Limits
(80.0 - 120.0)

Point	Batch Number	Date Analyzed	Value (%)
1	080395DL	3-AUG-1995 0	112
2	11294A	7-AUG-1995 0	90.8
3	082495DI	24-AUG-1995 0	107
4	11483P	6-SEP-1995 0	92.9
5	102695DI	27-OCT-1995 0	104
6	102695A	27-OCT-1995 0	103
7	102695B	27-OCT-1995 0	104
8	110195DI	1-NOV-1995 0	114
9	110295DI	3-NOV-1995 0	100
10	112695DISS	26-NOV-1995 0	106
11	11368DI	27-NOV-1995 0	101
12	120695DISS	6-DEC-1995 0	97.0
13	122795DI	27-DEC-1995 0	CHECK LEVEL
14	122995DI	29-DEC-1995 0	98.5
15	12595	29-DEC-1995 0	87.7
16	020696DI	6-FEB-1996 0	90.5
17	020996DI	9-FEB-1996 0	101
18	021396DI	13-FEB-1996 0	99.8
19	021696DI	16-FEB-1996 0	94.4
20	022196DISS	21-FEB-1996 0	94.5
21	022896DI	28-FEB-1996 0	101
22	030796D	7-MAR-1996 0	100
23	031996DISS	19-MAR-1996 0	98.0
24	032896DI	28-MAR-1996 0	102
25	041896DI	18-APR-1996 0	94.2
26	051096DI	10-MAY-1996 0	100
27	051796DI	17-MAY-1996 0	91.3
28	053196DI	31-MAY-1996 0	101
29	061596DISS	15-JUN-1996 0	102
30	061896DI	18-JUN-1996 0	110
31	062496DI	24-JUN-1996 0	101
32	071696DISS	16-JUL-1996 0	96.5
33	073096DI	30-JUL-1996 0	109
34	080996DISS	9-AUG-1996 0	99.2
35	083196DI	31-AUG-1996 0	96.8
36	091196D	16-SEP-1996 0	99.0
37	101096DISS	10-OCT-1996 0	101
38	101596DI	15-OCT-1996 0	102
39	101796DI	17-OCT-1996 0	108
40	103096DI	30-OCT-1996 0	102