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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

211239

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.:RIN2__

SOW No.: ILM04.0

EPA Sample No.	Lab Sample ID
S15S	238913S
S16	238915
S17	238917
S18	238919
S19	238921
S20	238923
S21	238925
S22	238927
S28	238931

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES

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

Comments:

FOR PURPOSES OF COMPLIANT REPORTING SAMPLE 238929 (CDE-RIN2) WAS CHANGED TO RIN2.

THE SOIL SAMPLES ARE FLAGGED WITH THE "E" QUALIFIER FOR CHROMIUM.

MINOR MATRIX INTERFERENCES SHOULD BE ASSUMED TO BE PRESENT.

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

Signature: Richard S. Levine Name: Richard S. Levine

Date: 7/26/96 Title: Laboratory Manager

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.:RIN2__

SOW No.: ILM04.0

EPA Sample No.	Lab Sample ID
RIN2	238929
RIN2D	238929D
RIN2S	238929S
SS13	238910
SS14	238912
SS15	238914
SS15D	238914D
SS15S	238914S
SS16	238916
SS17	238918
SS18	238920
SS19	238922
SS20	238924
SS21	238926
SS22	238928
SS28	238932
S13	238909
S14	238911
S15	238913
S15D	238913D

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:
FOR PURPOSES OF COMPLIANT REPORTING SAMPLE 238929 (CDE-RIN2) WAS CHANGED TO RIN2.
THE SOIL SAMPLES ARE FLAGGED WITH THE "E" QUALIFIER FOR CHROMIUM.
MINOR MATRIX INTERFERENCES SHOULD BE ASSUMED TO BE PRESENT.

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

Signature: Richard S. Levine Name: Richard S. Levine

Date: 7/26/96 Title: Laboratory Manager

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RIN2

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): WATER Lab Sample ID: 238929

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	0.50	U		P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	0.60	U		P
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	1.7	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
	Cyanide__				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS13

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238910

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _96.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium__				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	1.3		J	P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	13.5		E* J	P
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	1740			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.42			CV
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	1.3	B		P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
	Cyanide__				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS: __STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS14

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238912

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _90.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.63	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	14.8		E*	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	95.6			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.22			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.22	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: BLACK____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:
ARTIFACTS: STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS15

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238914

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _90.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	1.2		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.5		E* J	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	157			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.36			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.92	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: BLACK____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS: STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS16

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238916

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _88.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	2.0		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	45.1		E*J	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	395			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.38			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.75	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS: STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS17

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238918

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _90.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.24	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	36.1		E* J	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	233			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.19			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.42	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS: STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS18

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238920

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _89.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.20	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	13.2		E*	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	338			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.54			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.22	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS:__STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS19

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238922

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _87.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__		_		NR
7440-39-3	Barium__		_		NR
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__	1.8	_	J	P
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_	30.0	_	E* J	P
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___		_		NR
7439-89-6	Iron____		_		NR
7439-92-1	Lead____	353	_		P
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__	7.8	_		CV
7440-02-0	Nickel___		_		NR
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_		_		NR
7440-22-4	Silver___	1.2	B		P
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc____		_		NR
_____	Cyanide__		_		NR
_____	_____		_		__

Color Before: BROWN____ Clarity Before: OPAQUE Texture: FINE__

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS:__STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS20

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238924

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _92.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	19.9		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	71.2		E* J	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	369			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	1.7			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	7.2			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: BLACK____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS: STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS21

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238926

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _76.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	373		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	39.2		E* J	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	7460			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	2.5			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	148			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS:__STONES Pb dil 5 x

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS22

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238928

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _92.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	13.1		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	68.3		E* J	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	478			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	24.3			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	20.5			P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: BLACK____ Clarity Before: OPAQUE Texture: FINE__

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS: STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS28

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238932

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _91.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium__				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	0.30	B		P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	13.4		E*J	P
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	226			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.25			CV
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	0.42	B		P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
	Cyanide__				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS:__STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S13

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238909

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _95.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	2.0		J	P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	25.6		E* J	P
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	87.2			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.16			CV
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	0.80	B		P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
	Cyanide__				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: FINE__

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS:__STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S14

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238911

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _96.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	1.8		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	20.3		E* J	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	268			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.18			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.65	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: FINE__

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS: __STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S15

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238913

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _96.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	2.7		J	P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	20.5		E*J	P
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	140			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.20			CV
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	1.4	B		P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
_____	Cyanide__				NR
_____	_____				

Color Before: BROWN____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS:__STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S16

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238915

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _96.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	1.8		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	83.2		E* J	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	55.2			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.12			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.79	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: FINE__

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS: STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S17

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238917

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _94.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium__				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	1.9		J	P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	18.5		E* J	P
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	144			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.20			CV
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	1.4	B		P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
	Cyanide__				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: FINE__

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS:__STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S18

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238919

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _89.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__		_		NR
7440-39-3	Barium__		_		NR
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__	0.94	B		P
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_	17.5	_	E* J	P
7440-48-4	Cobalt__		_		NR
7440-50-8	Copper__		_		NR
7439-89-6	Iron__		_		NR
7439-92-1	Lead__	210	_		P
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__	0.59	_		CV
7440-02-0	Nickel__		_		NR
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_		_		NR
7440-22-4	Silver__	0.45	B		P
7440-23-5	Sodium__		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc__		_		NR
	Cyanide__		_		NR

Color Before: BLACK____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS: STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S19

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238921

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _97.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	2.7		J	P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	40.9		E*J	P
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	236			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	1.2			CV
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	1.4	B		P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
	Cyanide__				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: FINE__

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S20

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238923

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _96.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__		_		NR
7440-39-3	Barium___		_		NR
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__	2.3	_	J	P
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_	31.0	_	E* J	P
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___		_		NR
7439-89-6	Iron____		_		NR
7439-92-1	Lead____	150	_		P
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__	0.09	B		CV
7440-02-0	Nickel___		_		NR
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_		_		NR
7440-22-4	Silver___	6.9	_		P
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc____		_		NR
	Cyanide__		_		NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: FINE__

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS:__STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S21

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238925

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _95.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	19.3		J	P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	18.3		E* J	P
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	340			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.26			CV
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	8.1			P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
	Cyanide__				NR

Color Before: BLACK____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS:__STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S22

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238927

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _95.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium__				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	2.7		J	P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	22.7		E* J	P
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	87.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.13			CV
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	3.7			P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
	Cyanide__				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: MED___

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:
ARTIFACTS:__STONES

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S28

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Lab Sample ID: 238931

Level (low/med): LOW__ Date Received: 07/01/96

% Solids: _96.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	2.0		J	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	17.0		E*J	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	111			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.17			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	1.3	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: BROWN____ Clarity Before: OPAQUE Texture: FINE__

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:

ARTIFACTS:__STONES

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U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Initial Calibration Source: INORGANIC VE

Continuing Calibration Source: INORGANIC VE

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium	100.0	105.28	105.3	500.0	504.65	100.9	498.53	99.7	P
Calcium									NR
Chromium	400.0	414.91	103.7	500.0	498.26	99.7	494.59	98.9	P
Cobalt									NR
Copper									NR
Iron									NR
Lead	500.0	505.96	101.2	1000.0	1007.14	100.7	998.23	99.8	P
Magnesium									NR
Manganese									NR
Mercury	4.0	3.86	96.5	5.0	5.20	104.0	4.99	99.8	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver	250.0	250.88	100.4	625.0	622.98	99.7	621.85	99.5	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

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

FORM II (PART 1) - IN ILM04.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Initial Calibration Source: INORGANIC VE

Continuing Calibration Source: INORGANIC VE

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium				500.0	496.78	99.4	492.88	98.6	P
Calcium									NR
Chromium				500.0	493.85	98.8	489.77	98.0	P
Cobalt									NR
Copper									NR
Iron									NR
Lead				1000.0	1001.49	100.1	998.96	99.9	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.16	103.2	5.20	104.0	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver				625.0	625.68	100.1	620.78	99.3	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

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

FORM II (PART 1) - IN ILM04.0

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Initial Calibration Source: INORGANIC VE

Continuing Calibration Source: INORGANIC VE

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium				500.0	495.30	99.1	493.90	98.8	P
Calcium									NR
Chromium				500.0	491.86	98.4	488.55	97.7	P
Cobalt									NR
Copper									NR
Iron									NR
Lead				1000.0	997.54	99.8	994.30	99.4	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.16	103.2	5.12	102.4	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver				625.0	623.37	99.7	617.41	98.8	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

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

FORM II (PART 1) - IN ILM04.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Initial Calibration Source: INORGANIC VE

Continuing Calibration Source: INORGANIC VE

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium				500.0	494.34	98.9	497.16	99.4	P
Calcium									NR
Chromium				500.0	490.01	98.0	492.66	98.5	P
Cobalt									NR
Copper									NR
Iron									NR
Lead				1000.0	1000.03	100.0	1003.06	100.3	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver				625.0	621.97	99.5	622.07	99.5	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

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

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Initial Calibration Source: INORGANIC VE

Continuing Calibration Source: INORGANIC VE

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead	500.0	510.30	102.1	1000.0	1006.58	100.7	1008.70	100.9	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

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

FORM II (PART 1) - IN ILM04.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Initial Calibration Source: INORGANIC VE

Continuing Calibration Source: INORGANIC VE

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead				1000.0	1000.32	100.0			P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

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

FORM II (PART 1) - IN ILM04.0

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

AA CRDL Standard Source: INORGANIC VE

ICP CRDL Standard Source: INORGANIC VE

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium				10.0	10.83	108.3	10.36	103.6
Calcium								
Chromium				20.0	19.83	99.2	19.69	98.4
Cobalt								
Copper								
Iron								
Lead				6.0	7.07	117.8	8.41	140.2
Magnesium								
Manganese								
Mercury	0.2	0.26	130.0					
Nickel								
Potassium								
Selenium								
Silver				20.0	21.09	105.4	20.96	104.8
Sodium								
Thallium								
Vanadium								
Zinc								

Control Limits: no limits have been established by EPA at this time

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

AA CRDL Standard Source: INORGANIC VE

ICP CRDL Standard Source: INORGANIC VE

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium				10.0			10.66	106.6
Calcium								
Chromium				20.0			19.68	98.4
Cobalt								
Copper								
Iron								
Lead				6.0			8.35	139.2
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver				20.0			21.27	106.4
Sodium								
Thallium								
Vanadium								
Zinc								

Control Limits: no limits have been established by EPA at this time

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

AA CRDL Standard Source: INORGANIC VE

ICP CRDL Standard Source: INORGANIC VE

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
					Initial		Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium				10.0			10.40	104.0
Calcium								
Chromium				20.0			19.82	99.1
Cobalt								
Copper								
Iron								
Lead				6.0			8.30	138.3
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium				20.0			20.99	105.0
Thallium								
Vanadium								
Zinc								

Control Limits: no limits have been established by EPA at this time

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

AA CRDL Standard Source: INORGANIC VE

ICP CRDL Standard Source: INORGANIC VE

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead				6.0	7.16	119.3	7.38	123.0
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

Control Limits: no limits have been established by EPA at this time

U.S. EPA - CLP

3
BLANKS

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Preparation Blank Matrix (soil/water): SOIL_

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U	0.100	U	P
Calcium											NR
Chromium	-1.0	B	-1.1	B	-1.0	B	-1.3	B	-0.242	B	P
Cobalt											NR
Copper											NR
Iron											NR
Lead	1.7	U	1.7	U	1.7	U	1.7	U	0.340	U	P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.050	U	CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

FORM III - IN ILM04.0

U.S. EPA - CLP

3
BLANKS

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Preparation Blank Matrix (soil/water): SOIL_

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium			0.5	U	0.5	U	0.5	U	0.100	U	P
Calcium											NR
Chromium			-1.0	B	-1.3	B	-1.0	B	-0.330	B	P
Cobalt											NR
Copper											NR
Iron											NR
Lead			1.7	U	1.7	U	1.7	U	0.340	U	P
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U	0.050	U	CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver			1.0	U	1.0	U	1.0	U	0.200	U	P
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

FORM III - IN ILM04.0

U.S. EPA - CLP

3
BLANKS

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

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											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium			0.5	U	0.5	U			0.500	U	P
Calcium											NR
Chromium			-1.4	B	-1.1	B			-1.100	B	P
Cobalt											NR
Copper											NR
Iron											NR
Lead			1.7	U	1.7	U			1.700	U	P
Magnesium											NR
Manganese											NR
Mercury									0.100	U	CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver			1.0	U	1.0	U			1.000	U	P
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

FORM III - IN ILM04.0

U.S. EPA - CLP

3
BLANKS

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead	1.7	U	1.7	U	1.7	U	1.7	U			P
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

FORM III - IN ILM04.0

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No: _____ SDG No.: RIN2__

ICP ID Number: TJA TRACE___ ICS Source: INORGANIC VE

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	448000	428738	427740.8	95.5	429171	426849.0	95.3
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium	0	924	4	940.8	101.8	4	929.7	100.6
Calcium	500000	445000	438451	438470.4	98.5	434682	433456.7	97.4
Chromium	0	473	0	482.2	101.9	0	478.2	101.1
Cobalt								
Copper								
Iron	200000	180000	188571	187458.2	104.1	187205	185746.8	103.2
Lead	0	48	1	50.0	104.2	4	52.3	109.0
Magnesium	500000	494000	471419	468345.1	94.8	471418	466835.2	94.5
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver	0	203	0	216.0	106.4	0	215.6	106.2
Sodium								
Thallium								
Vanadium								
Zinc								

FORM IV - IN ILM04.0

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No: _____ SDG No.: RIN2__

ICP ID Number: TJA TRACE___ ICS Source: INORGANIC VE

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	448000				427434	426843.8	95.3
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium	0	924				5	923.9	100.0
Calcium	500000	445000				432563	428825.2	96.4
Chromium	0	473				0	474.4	100.3
Cobalt								
Copper								
Iron	200000	180000				185841	184638.5	102.6
Lead	0	48				4	50.0	104.2
Magnesium	500000	494000				469905	464898.4	94.1
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver	0	203				0	215.6	106.2
Sodium								
Thallium								
Vanadium								
Zinc								

FORM IV - IN ILM04.0

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No: _____ SDG No.: RIN2__

ICP ID Number: TJA TRACE___ ICS Source: INORGANIC VE

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	448000				428117	428148.4	95.6
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium	0	924				5	935.2	101.2
Calcium	500000	445000				431135	432468.8	97.2
Chromium	0	473				0	478.2	101.1
Cobalt								
Copper								
Iron	200000	180000				185924	186310.3	103.5
Lead	0	48				2	49.5	103.1
Magnesium	500000	494000				469610	466524.3	94.4
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver	0	203				0	216.6	106.7
Sodium								
Thallium								
Vanadium								
Zinc								

FORM IV - IN ILM04.0

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No: _____ SDG No.: RIN2__

ICP ID Number: TJA TRACE___ ICS Source: INORGANIC VE

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	448000	423519	425851.3	95.1	422996	419250.2	93.6
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium	500000	445000	440488	446133.0	100.3	436928	432340.2	97.2
Chromium								
Cobalt								
Copper								
Iron	200000	180000	186937	187877.9	104.4	183919	181627.7	100.9
Lead	0	48	4	55.1	114.8	6	54.0	112.5
Magnesium	500000	494000	461780	461671.6	93.5	457604	450553.1	91.2
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

FORM IV - IN ILM04.0

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

RIN2S

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium	75-125	48.2700		0.5000	U	50.00	96.5		P
Calcium									NR
Chromium	75-125	188.7200		0.6000	U	200.00	94.4		P
Cobalt									NR
Copper									NR
Iron									NR
Lead	75-125	20.6600		1.7000	U	20.00	103.3		P
Magnesium									NR
Manganese									NR
Mercury	75-125	1.0800		0.1000	U	1.00	108.0		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver	75-125	43.0200		1.0000	U	50.00	86.0		P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

FORM V (Part 1) - IN ILM04.0

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS15S

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL__ Level (low/med): LOW___

% Solids for Sample: _90.3

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium	75-125	11.4684		1.2470		11.07	92.3		P
Calcium									NR
Chromium	75-125	51.2979		10.5050		44.30	92.1		P
Cobalt									NR
Copper									NR
Iron									NR
Lead		125.0720		156.5426		4.43	-710.4		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.9081		0.3621		0.55	99.3		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver	75-125	10.1218		0.9169	B	11.07	83.2		P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
ARTIFACTS: STONES

FORM V (Part 1) - IN ILM04.0

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

S15S

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL__ Level (low/med): LOW___

% Solids for Sample: _96.5

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium	75-125	12.0290		2.7130		10.36	89.9		P
Calcium									NR
Chromium	75-125	55.4031		20.5140		41.45	84.2		P
Cobalt									NR
Copper									NR
Iron									NR
Lead		114.5078		140.4394		4.15	-624.9		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.7150		0.2047		0.52	98.1		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver	75-125	10.0829		1.3803	B	10.36	84.0		P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
ARTIFACTS: STONES

FORM V (Part 1) - IN ILM04.0

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

RIN2D

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

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

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium		0.5000	U	0.5000	U			P
Calcium								NR
Chromium		0.6000	U	0.6000	U			P
Cobalt								NR
Copper								NR
Iron								NR
Lead		1.7000	U	1.7000	U			P
Magnesium								NR
Manganese								NR
Mercury		0.1000	U	0.1000	U			CV
Nickel								NR
Potassium								NR
Selenium								NR
Silver		1.0000	U	1.0000	U			P
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

FORM VI - IN ILM04.0

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

SS15D

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: _90.3 % Solids for Duplicate: __90.3

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium	1.1074	1.2470		1.1141		11.3		P
Calcium								NR
Chromium	2.2148	10.5050		8.4939		21.2		P
Cobalt								NR
Copper								NR
Iron								NR
Lead		156.5426		131.7209		17.2		P
Magnesium								NR
Manganese								NR
Mercury	0.1107	0.3621		0.3643		0.6		CV
Nickel								NR
Potassium								NR
Selenium								NR
Silver		0.9169	B	0.7929	B	14.5		P
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

FORM VI - IN ILM04.0

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

S15D

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: _96.5 % Solids for Duplicate: __96.5

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium	1.0363	2.7130		2.2777		17.4		P
Calcium								NR
Chromium		20.5140		15.2497		29.4	*	P
Cobalt								NR
Copper								NR
Iron								NR
Lead		140.4394		138.4083		1.5		P
Magnesium								NR
Manganese								NR
Mercury	0.1036	0.2047		0.2026		1.0		CV
Nickel								NR
Potassium								NR
Selenium								NR
Silver		1.3803	B	1.4922	B	7.8		P
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

FORM VI - IN ILM04.0

U.S. EPA - CLP

7.

LABORATORY CONTROL SAMPLE

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Solid LCS Source: ERA 227_____

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium				128.0	120.8		66.6	184.0	94.4
Calcium									
Chromium				114.0	102.0		61.6	161.0	89.5
Cobalt									
Copper									
Iron									
Lead				87.6	83.6		46.4	124.0	95.4
Magnesium									
Manganese									
Mercury				2.3	2.3		1.1	3.6	100.0
Nickel									
Potassium									
Selenium									
Silver				71.6	66.6		32.2	104.0	93.0
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

FORM VII - IN ILM04.0

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Solid LCS Source: ERA 227_____

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium				128.0	123.6		66.6	184.0	96.6
Calcium									
Chromium				114.0	104.8		61.6	161.0	91.9
Cobalt									
Copper									
Iron									
Lead				87.6	85.4		46.4	124.0	97.5
Magnesium									
Manganese									
Mercury				2.3	2.3		1.1	3.6	100.0
Nickel									
Potassium									
Selenium									
Silver				71.6	68.2		32.2	104.0	95.3
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

FORM VII - IN ILM04.0

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Solid LCS Source: _____

Aqueous LCS Source: INORGANIC VE

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium	50.0	48.79	97.6						
Calcium									
Chromium	200.0	192.22	96.1						
Cobalt									
Copper									
Iron									
Lead	250.0	231.92	92.8						
Magnesium									
Manganese									
Mercury	4.0	3.90	97.5						
Nickel									
Potassium									
Selenium									
Silver	125.0	104.76	83.8						
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

FORM VII - IN ILM04.0

U.S. EPA - CLP

9

ICP SERIAL DILUTION

EPA SAMPLE NO.

RIN2L

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium	0.50	U	2.50	U			P
Calcium							NR
Chromium	0.60	U	3.00	U			P
Cobalt							NR
Copper							NR
Iron							NR
Lead	1.70	U	8.50	U			P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver	1.00	U	5.00	U			P
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR

FORM IX - IN ILM04.0

U.S. EPA - CLP

9

ICP SERIAL DILUTION

EPA SAMPLE NO.

SS15L

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium	5.63		4.15	B	26.3		P
Calcium							NR
Chromium	47.43		41.95	B	11.6	E	P
Cobalt							NR
Copper							NR
Iron							NR
Lead	706.79		722.70		2.3		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver	4.14	B	5.15	B	24.4		P
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR

FORM IX - IN ILM04.0

U.S. EPA - CLP

9

ICP SERIAL DILUTION

EPA SAMPLE NO.

SS21L

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead	5715.01		5865.50		2.6		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR

FORM IX - IN ILM04.0

U.S. EPA - CLP

9

ICP SERIAL DILUTION

EPA SAMPLE NO.

S15L

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

Matrix (soil/water): SOIL_ Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium	13.09		11.70	B	10.6		P
Calcium							NR
Chromium	98.98		93.80		5.2		P
Cobalt							NR
Copper							NR
Iron							NR
Lead	677.62		690.40		1.9		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver	6.66	B	7.00	B	5.1		P
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR

FORM IX - IN ILM04.0

U.S. EPA - CLP

10

Instrument Detection Limits (Quarterly)

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: RIN2

ICP ID Number: TJA_TRACE Date: 04/12/96

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.20		200	18.4	P
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium	226.50		5	0.5	P
Calcium	317.90		5000	10.8	P
Chromium	267.70		10	0.6	P
Cobalt			50		NR
Copper			25		NR
Iron	271.40		100	13.1	P
Lead	220.35		3	1.7	P
Magnesium	279.00		5000	5.6	P
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver	328.00		10	1.0	P
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide			10		NR

Comments:

FORM X - IN ILM03.0

U.S. EPA - CLP

10

Instrument Detection Limits (Quarterly)

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

ICP ID Number: _____ Date: 04/12/96

Flame AA ID Number : LEEMAN_200__

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.70		0.2	0.1	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide			10		NR

Comments:

FORM X - IN ILM03.0

U.S. EPA - CLP

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

ICP ID Number: TJA TRACE___ Date: 02/07/96

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	CO_
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	-0.0079146	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0001609	0.0000000	0.0000000	-0.0003100
Calcium	317.90	0.0006000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0000120	0.0000000	0.0000000
Cobalt	229.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	-0.0000110	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0031200	0.0000000	-0.0001100	0.0000000	0.0654250
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0005650	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000180	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	-0.0006300
Potassium	766.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0003180	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.20	0.0000000	-0.0007100	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0000000	-0.0646300	0.0000000	0.0000000	0.0059839
Vanadium	292.40	0.0000000	0.0001278	0.0000000	0.0000000	0.0000000
Zinc	213.80	0.0000000	0.0001300	0.0000000	0.0000000	0.0000000

Comments:

FORM XI (Part 1) - IN ILM04.0

U.S. EPA - CLP

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: RIN2

ICP ID Number: TJA TRACE Date: 02/07/96

Analyte	Wave-length (nm)	Interelement Correction Factors for : CR_	MN_	MO_	NI_	TI_
Aluminum	308.20	0.0000000	0.0000000	0.0166710	0.0000000	0.0000000
Antimony	206.80	0.0008484	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0002950	0.0000000	0.2444500	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	-0.0005000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	229.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0024400
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0023010	-0.0015000	0.0021160	0.0001103	-0.0015000
Lead	220.35	0.0000000	0.0003283	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0024620	0.0000000	0.0000000	0.0000000
Potassium	766.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.20	0.0000000	0.0000000	0.0325930	0.0000000	0.0000000
Thallium	190.80	0.2786000	-0.0007458	0.0000000	0.0000000	-0.9883000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0005100
Zinc	213.80	0.0000000	0.0000000	0.0012500	0.0032400	0.0000000

Comments:

FORM XI (Part 2) - IN ILM04.0

U.S. EPA - CLP

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

ICP ID Number: TJA TRACE___ Date: 02/07/96

Analyte	Wave-length (nm)	Interelement Correction Factors for : V__	ZN_	___	___	___
Aluminum	308.20	0.0329600	-0.0043000			
Antimony	206.80	0.0000000	0.0000000			
Arsenic	189.00	0.0000000	0.0000000			
Barium	493.40	0.0000000	0.0000000			
Beryllium	313.00	0.0000000	0.0000000			
Cadmium	226.50	0.0000000	0.0000000			
Calcium	317.90	0.0000000	0.0000000			
Chromium	267.70	0.0000000	0.0000000			
Cobalt	229.60	0.0000000	0.0000000			
Copper	324.70	0.0000000	0.0000000			
Iron	271.40	0.0052000	0.0000000			
Lead	220.35	0.0000000	0.0000000			
Magnesium	279.00	0.0000000	0.0000000			
Manganese	257.60	0.0000000	0.0000000			
Mercury						
Nickel	231.60	0.0000000	0.0000000			
Potassium	766.40	0.0000000	0.0000000			
Selenium	196.00	0.0000000	0.0000000			
Silver	328.00	0.0000000	0.0000000			
Sodium	330.20	0.0000000	0.0490000			
Thallium	190.80	0.0000000	0.0000000			
Vanadium	292.40	0.0000000	0.0000000			
Zinc	213.80	0.0000000	0.0000000			

Comments:

FORM XI (Part 2) - IN ILM04.0

U.S. EPA - CLP

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.: RIN2__

ICP ID Number: TJA TRACE___ Date: 04/12/96

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	5.00	600000.0	P
Antimony	5.00	90000.0	P
Arsenic	5.00	15000.0	P
Barium	5.00	20000.0	P
Beryllium	5.00	40000.0	P
Cadmium	5.00	18000.0	P
Calcium	5.00	600000.0	P
Chromium	5.00	50000.0	P
Cobalt	5.00	20000.0	P
Copper	5.00	20000.0	P
Iron	5.00	450000.0	P
Lead	5.00	20000.0	P
Magnesium	5.00	650000.0	P
Manganese	5.00	18000.0	P
Mercury			NR
Nickel	5.00	20000.0	P
Potassium	5.00	90000.0	P
Selenium	5.00	10000.0	P
Silver	5.00	5000.0	P
Sodium	5.00	500000.0	P
Thallium	5.00	90000.0	P
Vanadium	5.00	5000.0	P
Zinc	5.00	15000.0	P

Comments:

FORM XII - IN ILM04.0

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.:_____ SAS No.: _____ SDG No.:RIN2__

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	07/10/96	1.00	200
LCSS	07/10/96	1.00	200
LCSW	07/10/96		100
PBS	07/10/96	1.00	200
PBS	07/10/96	1.00	200
PBW	07/10/96		100
RIN2	07/10/96		100
RIN2D	07/10/96		100
RIN2S	07/10/96		100
S13	07/10/96	1.00	200
S14	07/10/96	1.00	200
S15	07/10/96	1.00	200
S15D	07/10/96	1.00	200
S15S	07/10/96	1.00	200
S16	07/10/96	1.00	200
S17	07/10/96	1.00	200
S18	07/10/96	1.00	200
S19	07/10/96	1.00	200
S20	07/10/96	1.00	200
S21	07/10/96	1.00	200
S22	07/10/96	1.00	200
S28	07/10/96	1.00	200
SS13	07/10/96	1.00	200
SS14	07/10/96	1.00	200
SS15	07/10/96	1.00	200
SS15D	07/10/96	1.00	200
SS15S	07/10/96	1.00	200
SS16	07/10/96	1.00	200
SS17	07/10/96	1.00	200
SS18	07/10/96	1.00	200
SS19	07/10/96	1.00	200
SS20	07/10/96	1.00	200

FORM XIII - IN ILM04.0

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.:_____ SAS No.: _____ SDG No.:RIN2__

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
SS21	07/10/96	1.00	200
SS22	07/10/96	1.00	200
SS28	07/10/96	1.00	200

FORM XIII - IN ILM04.0

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.:RIN2

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	07/11/96	0.20	100
LCSS	07/11/96	0.20	100
LCSW	07/11/96		100
PBS	07/11/96	0.20	100
PBS	07/11/96	0.20	100
PBW	07/11/96		100
RIN2	07/11/96		100
RIN2D	07/11/96		100
RIN2S	07/11/96		100
S13	07/11/96	0.20	100
S14	07/11/96	0.20	100
S15	07/11/96	0.20	100
S15D	07/11/96	0.20	100
S15S	07/11/96	0.20	100
S16	07/11/96	0.20	100
S17	07/11/96	0.20	100
S18	07/11/96	0.20	100
S19	07/11/96	0.20	100
S20	07/11/96	0.20	100
S21	07/11/96	0.20	100
S22	07/11/96	0.20	100
S28	07/11/96	0.20	100
SS13	07/11/96	0.20	100
SS14	07/11/96	0.20	100
SS15	07/11/96	0.20	100
SS15D	07/11/96	0.20	100
SS15S	07/11/96	0.20	100
SS16	07/11/96	0.20	100
SS17	07/11/96	0.20	100
SS18	07/11/96	0.20	100
SS19	07/11/96	0.20	100
SS20	07/11/96	0.20	100

FORM XIII - IN ILM04.0

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.:_____ SAS No.: _____ SDG No.:RIN2__

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
SS21	07/11/96	0.20	100
SS22	07/11/96	0.20	100
SS28	07/11/96	0.20	100

FORM XIII - IN ILM04.0

U.S. EPA - CLP

14

ANALYSIS RUN LOG

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.:RIN2__

Instrument ID Number: TJA TRACE____ Method: P_

Start Date: 07/11/96 End Date: 07/11/96

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
S0	1.00	1625		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
S	1.00	1630		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
ICV	1.00	1635		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
ICB	1.00	1641		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
CCV	1.00	1646		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
CCB	1.00	1651		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
CRI	1.00	1657		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
ICSA	1.00	1702		X	–	–	–	–	X	X	X	–	–	X	X	X	–	–	–	–	–	X	–	–	–	–	–
ICSAB	1.00	1708		X	–	–	–	–	X	X	X	–	–	X	X	X	–	–	–	–	–	X	–	–	–	–	–
CCV	1.00	1713			–	–	–	–	X		X	–	–		X		–	–	–	–	–	X	–	–	–	–	–
CCB	1.00	1718		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
PBS	1.00	1724		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
PBS	1.00	1729		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
PBW	1.00	1734		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
LCSS	1.00	1740		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
LCSS	1.00	1745		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
LCSW	1.00	1751		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
RIN2	1.00	1756		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
RIN2L	5.00	1801		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
RIN2D	1.00	1807		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
RIN2S	1.00	1812		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
CCV	1.00	1818		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
CCB	1.00	1823		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
S13	1.00	1828		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
SS13	1.00	1834		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
S14	1.00	1839		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
SS14	1.00	1845		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
CRI	1.00	1850		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
ICSA	1.00	1855		X	–	–	–	–	X	X	X	–	–	X	X	X	–	–	–	–	–	X	–	–	–	–	–
ICSAB	1.00	1901		X	–	–	–	–	X	X	X	–	–	X	X	X	–	–	–	–	–	X	–	–	–	–	–
CCV	1.00	1906			–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
CCB	1.00	1911		–	–	–	–	–	X	–	X	–	–	–	X	–	–	–	–	–	–	X	–	–	–	–	–
				–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

FORM XIV - IN ILM04.0

U.S. EPA - CLP

14

ANALYSIS RUN LOG

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.:RIN2__

Instrument ID Number: TJA TRACE____ Method: P_

Start Date: 07/11/96 End Date: 07/11/96

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
S15	1.00	1917		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
S15L	5.00	1922		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
S15D	1.00	1928		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
S15S	1.00	1933		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
SS15	1.00	1938		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
SS15L	5.00	1944		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
SS15D	1.00	1949		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
SS15S	1.00	1955		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
S16	1.00	2000		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
SS16	1.00	2005		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
CCV	1.00	2011		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
CCB	1.00	2016		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
S17	1.00	2022		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
SS17	1.00	2027		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
S18	1.00	2032		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
SS18	1.00	2038		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
CRI	1.00	2043		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
ICSA	1.00	2049		X	-	-	-	-	X	X	X	-	-	X	X	X	-	-	-	-	-	X	-	-	-	-	-
ICSAB	1.00	2054		X	-	-	-	-	X	X	X	-	-	X	X	X	-	-	-	-	-	X	-	-	-	-	-
CCV	1.00	2059			-	-	-	-	X		X	-	-		X		-	-	-	-	-	X	-	-	-	-	-
CCB	1.00	2105		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
S19	1.00	2110		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
SS19	1.00	2116		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
S20	1.00	2121		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
SS20	1.00	2126		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
S21	1.00	2132		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
SS21	1.00	2137		-	-	-	-	-	X	-	X	-	-	-		-	-	-	-	-	-	X	-	-	-	-	-
S22	1.00	2143		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
SS22	1.00	2148		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
S28	1.00	2153		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
SS28	1.00	2159		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
CCV	1.00	2204		-	-	-	-	-	X	-	X	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FORM XIV - IN ILM04.0

U.S. EPA - CLP

14

ANALYSIS RUN LOG

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.:RIN2__

Instrument ID Number: TJA TRACE____ Method: P_

Start Date: 07/11/96 End Date: 07/11/96

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
CCB	1.00	2210		—	—	—	—	—	X	—	X	—	—	—	X	—	—	—	—	—	—	X	—	—	—	—	—
CRI	1.00	2215		—	—	—	—	—	X	—	X	—	—	—	X	—	—	—	—	—	—	X	—	—	—	—	—
ICSA	1.00	2220		X	—	—	—	—	X	X	X	—	—	X	X	X	—	—	—	—	—	X	—	—	—	—	—
ICSAB	1.00	2226		X	—	—	—	—	X	X	X	—	—	X	X	X	—	—	—	—	—	X	—	—	—	—	—
CCV	1.00	2231			—	—	—	—	X		X	—	—		X		—	—	—	—	—	X	—	—	—	—	—
CCB	1.00	2237		—	—	—	—	—	X	—	X	—	—	—	X	—	—	—	—	—	—	X	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

FORM XIV - IN ILM04.0

U.S. EPA - CLP

14

ANALYSIS RUN LOG

Lab Name: ICM_LABS_____ Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.:RIN2__

Instrument ID Number: TJA TRACE____ Method: P_

Start Date: 07/15/96 End Date: 07/15/96

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
S0	1.00	1032		-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
S	1.00	1037		-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
ICV	1.00	1042		-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
ICB	1.00	1048		-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1053		-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
CCB	1.00	1058		-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
CRI	1.00	1103		-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
ICSA	1.00	1108		X	-	-	-	-	-	X	-	-	-	X	X	X	-	-	-	-	-	-	-	-	-	-	-
ICSAB	1.00	1114		X	-	-	-	-	-	X	-	-	-	X	X	X	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1119			-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
CCB	1.00	1124		-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
SS21	5.00	1129		-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
SS21L	5.00	1134		-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
CRI	1.00	1139		-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
ICSA	1.00	1145		X	-	-	-	-	-	X	-	-	-	X	X	X	-	-	-	-	-	-	-	-	-	-	-
ICSAB	1.00	1150		X	-	-	-	-	-	X	-	-	-	X	X		-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1155			-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-
CCB	1.00	1200		-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-

FORM XIV - IN ILM04.0

U.S. EPA - CLP

14

ANALYSIS RUN LOG

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.:RIN2__

Instrument ID Number: LEEMAN 200___ Method: CV

Start Date: 07/11/96 End Date: 07/11/96

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
S0	1.00	1441		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S0.2	1.00	1444		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S0.5	1.00	1447		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S1	1.00	1449		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S5	1.00	1452		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S10	1.00	1455		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
ICV	1.00	1457		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
ICB	1.00	1500		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCV	1.00	1503		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1505		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CRA	1.00	1508		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
PBS	1.00	1510		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
PBS	1.00	1513		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
LCSS	1.00	1516		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
LCSS	1.00	1518		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S13	1.00	1521		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
SS13	1.00	1523		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S14	1.00	1526		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
SS14	1.00	1529		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S15	1.00	1531		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCV	1.00	1534		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1537		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S15D	1.00	1539		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S15S	1.00	1542		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
SS15	1.00	1544		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
SS15D	1.00	1547		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
SS15S	1.00	1549		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S16	1.00	1552		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
SS16	1.00	1555		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S17	1.00	1557		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
SS17	1.00	1600		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S18	1.00	1602		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–

FORM XIV - IN ILM04.0

U.S. EPA - CLP

14

ANALYSIS RUN LOG

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM___ Case No.: _____ SAS No.: _____ SDG No.:RIN2__

Instrument ID Number: LEEMAN 200___ Method: CV

Start Date: 07/11/96 End Date: 07/11/96

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
CCV	1.00	1605		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
CCB	1.00	1608		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
SS18	1.00	1610		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
S19	1.00	1613		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
SS19	1.00	1615		—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—	—
S20	1.00	1618		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
SS20	1.00	1620		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
S21	1.00	1623		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
SS21	1.00	1626		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
S22	1.00	1628		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
SS22	1.00	1631		—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—	—
S28	1.00	1633		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
CCV	1.00	1636		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
CCB	1.00	1639		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
SS28	1.00	1641		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
PBW	1.00	1644		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
LCSW	1.00	1646		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
RIN2	1.00	1649		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
RIN2D	1.00	1651		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
RIN2S	1.00	1654		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
CCV	1.00	1657		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
CCB	1.00	1659		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
SS19	2.00	1721		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
SS22	10.00	1723		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
CCV	1.00	1726		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
CCB	1.00	1729		—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

FORM XIV - IN ILM04.0

CLP/Task IV ICP LABORATORY CHRMONCLE: METALS DEPARTMENT

AS No. NA

SD No. CDERN2

Batch No. 2632

Analysis Date 07/11/96

Page 1 of 2

Run No. 1

Instrument TJA TRACE ICAP-61E

Autosampler Table ~~JULY96~~ CDERN2

Data File CDERN2

Analyst's Sign. Lynne F. Madell

Reviewed by: Linda Kadahn

Standard	Lot No.	Conc.
Blank, ICB, CCB	ISH-22-1	0
Std #2, ~~STD~~#3(S)	ISH-22-2	Multi
ICV	ISH-22-5	Multi
CCV	ISH-22-4	Multi
ICSA	ISH-203-6	Multi
ICSAB	ISH-201-3	Multi
CRI	ISH-204-3	Multi

Sample No.	ICM Sample No.	Cup No.	DF	Comments
	ICV	QA3		
	ICB	1		
	CCV	QA4		1
	CCB	2		
	CRI	3		
	ICSA (1)	4		
	ICSAB	5		
	CCV	QA4		2
	CCB	6		
	PBS	7		
	PBS2	8		
	PBW	9		
	LCSS	10		
	LCSS2	11		
	LCSW	12		
	238929	13		
	238929L	14		
	238929D	15		
	238929S	16		
	CCV	QA4		3
	CCB	17		
	238909	18		
	238910	19		
	238911	20		
	238912	21		
	CRI	22		
	ICSA (2)	23		
	ICSAB	24		
	CCV	QA5		4
	CCB	25		
	238913	26		
	238913L	27		
	238913D	28		
	238913S	29		
	238914	30		
	238914L	31		
	238914D	32		
	238914S	33		
	238915	34		
	238916	35		

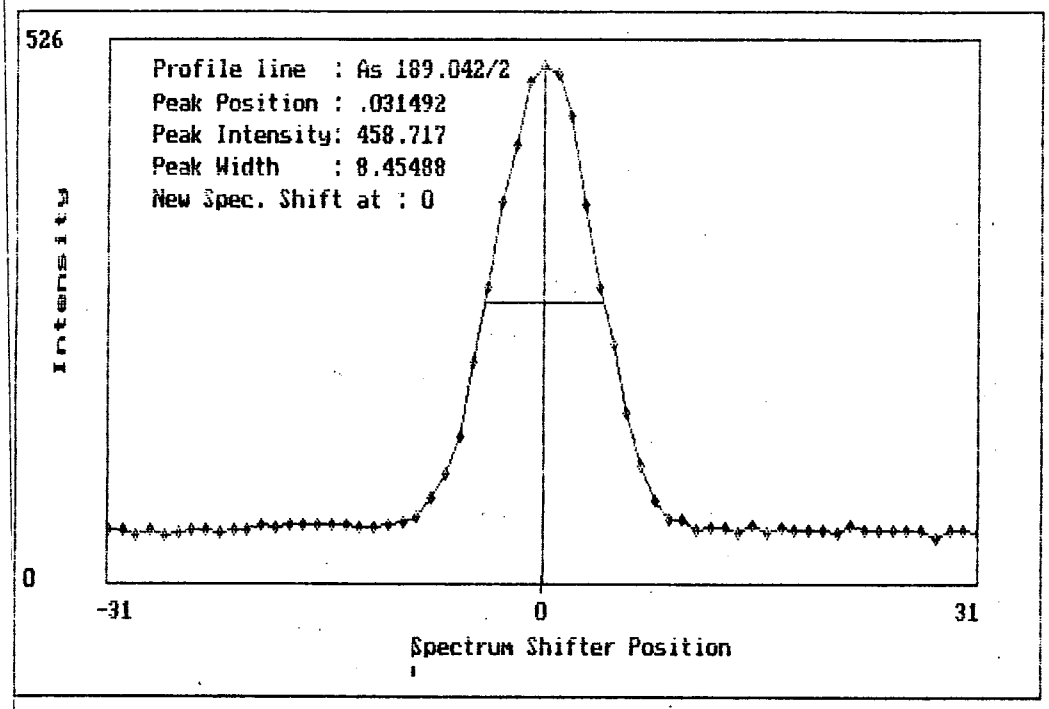
CLP/Task IV ICP LABORATORY CHRONICLE: METALS DEPARTMENT

Continuation of run on : Analysis Date 07/11/96

Analyst's Sign. Lynne K. Madell

Page 2 of 2

EPA Sample No.	ICM Sample No.	Cup No.	DF	Comments
	CCV	QA5		5
	CCB	36		
	238917	37		
	238918	38		
	238919	39		
	238920	40		
	CRI	41		
	ICSA (3)	42		
	ICSAB	43		
	CCV	QA5		6
	CCB	44		
	238921	45		
	238922	46		
	238923	47		
	238924	48		
	238925	49		
	238926	50		
	238927	51		
	238928	52		
	238931	53		
	238932	54		
	CCV	QA6		7
	CCB	55		
	CRI	56		
	ICSA (4)	57		
	ICSAB	58		
	CCV	QA6		8
	CCB	59		


526
Profile line : As 189.042/2
Peak Position : .031492
Peak Intensity: 458.717
Peak Width : 8.45488
New Spec. Shift at : 0
Intensity
0
-31
0
31
Spectrum Shifter Position

Standardization Rpt. Thu 07-11-96 04:30:13 PM page 1

Method: EPA Standard: S0

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Avge	.05524	-.01153	-.00088	-.00745	-.00007	-.01503	.00131
SDev	.00059	.00344	.00042	.00280	.00006	.00014	.00036
%RSD	1.0705	29.820	48.099	37.657	86.603	.95052	27.787
#1	.05557	-.01134	-.00121	-.00425	-.00010	-.01488	.00162
#2	.05560	-.00819	-.00101	-.00859	.00000	-.01516	.00091
#3	.05456	-.01505	-.00040	-.00950	-.00010	-.01505	.00141

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Avge	.00212	.04705	.00249	-.00074	.02147	-.00233	-.02238
SDev	.00137	.00016	.00067	.00042	.00027	.00010	.00136
%RSD	64.364	.34745	26.985	56.705	1.2619	4.3704	6.0774
#1	.00071	.04707	.00233	-.00061	.02176	-.00233	-.02298
#2	.00222	.04721	.00323	-.00040	.02123	-.00243	-.02082
#3	.00344	.04688	.00192	-.00121	.02142	-.00222	-.02334

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Avge	-.00347	-.00017	.00084	.00040	.00364	-.06057	-.00843
SDev	.00432	.00031	.00006	.00017	.00061	.00311	.00151
%RSD	124.29	183.25	6.8594	43.244	16.759	5.1379	17.919
#1	-.00729	-.00010	.00081	.00020	.00425	-.05699	-.00800
#2	.00121	.00010	.00081	.00051	.00364	-.06207	-.00718
#3	-.00434	-.00051	.00091	.00051	.00303	-.06264	-.01010

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Avge	.00799	.12724	.00037	-.04328	.00216	-.00330	.00094
SDev	.00272	.00042	.00038	.00088	.00042	.00252	.00035
%RSD	34.109	.32746	103.20	2.0372	19.434	76.346	37.549
#1	.01022	.12754	.00010	-.04241	.00182	-.00142	.00061
#2	.00495	.12676	.00020	-.04417	.00202	-.00617	.00091
#3	.00879	.12741	.00081	-.04324	.00263	-.00232	.00131

Elem	V_2924	Zn2138
Avge	.00024	.00094
SDev	.00015	.00012
%RSD	65.441	12.395
#1	.00020	.00101
#2	.00040	.00081
#3	.00010	.00101

Lynne K. Madell
07/12/96

Method: EPA Standard: S

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Avge	2.3150	3.0802	2.1562	2.4083	18.096	1.0512	4.2577
SDev	.0055	.0140	.0024	.0010	.044	.0011	.0072
%RSD	.23846	.45388	.10921	.04356	.24187	.10772	.16915
#1	2.3210	3.0962	2.1572	2.4073	18.145	1.0502	4.2660
#2	2.3141	3.0743	2.1578	2.4094	18.081	1.0511	4.2536
#3	2.3100	3.0701	2.1535	2.4084	18.062	1.0525	4.2535

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Avge	6.2221	2.6872	1.4900	2.0132	2.4314	.24699	5.0682
SDev	.0222	.0068	.0026	.0018	.0074	.00047	.0172
%RSD	.35742	.25319	.17427	.08734	.30416	.19064	.33878
#1	6.2314	2.6793	1.4870	2.0129	2.4392	.24751	5.0880
#2	6.1967	2.6913	1.4913	2.0116	2.4304	.24685	5.0588
#3	6.2382	2.6909	1.4917	2.0151	2.4245	.24660	5.0578

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Avge	4.5067	3.7502	3.2624	6.5287	7.5211	19.145	1.6790
SDev	.0064	.0076	.0049	.0319	.0084	.089	.0081
%RSD	.14269	.20267	.14938	.48838	.11133	.46331	.48510
#1	4.5082	3.7589	3.2578	6.4918	7.5181	19.240	1.6870
#2	4.5122	3.7471	3.2619	6.5475	7.5147	19.130	1.6707
#3	4.4997	3.7447	3.2675	6.5466	7.5306	19.065	1.6792

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Avge	2.0602	3.4600	2.3994	.52315	5.3020	1.6004	14.941
SDev	.0038	.0044	.0017	.00277	.0150	.0017	.018
%RSD	.18442	.12577	.07131	.52892	.28351	.10699	.12325
#1	2.0562	3.4644	2.4014	.52407	5.2852	1.6020	14.959
#2	2.0637	3.4557	2.3987	.52533	5.3065	1.5986	14.942
#3	2.0608	3.4599	2.3982	.52003	5.3142	1.6006	14.922

Elem	V_2924	Zn2138
Avge	.87265	2.0730
SDev	.00054	.0025
%RSD	.06194	.11824
#1	.87218	2.0714
#2	.87254	2.0718
#3	.87324	2.0758

Analysis Report QC Standard Thu 07-11-96 04:40:54 PM page 1

Method: EPA Sample Name: ICV Operator: LKM
Run Time: 07/11/96 16:35:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	4.0928	.50830	.51353	.51616	4.2443	.10227	2.0981
SDev	.1147	.01956	.00986	.02049	.1191	.00336	.0656
%RSD	2.8020	3.8475	1.9199	3.9707	2.8054	3.2891	3.1248
#1	4.0272	.49612	.50490	.50852	4.1814	.10058	2.0635
#2	4.0259	.49791	.51143	.50059	4.1698	.10009	2.0571
#3	4.2252	.53085	.52427	.53938	4.3816	.10615	2.1737

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.10529	10.348	.41491	1.0370	.51168	2.0344	.50576
SDev	.00359	.394	.01559	.0352	.01394	.0801	.00808
%RSD	3.4116	3.8032	3.7585	3.3929	2.7237	3.9380	1.5970
#1	.10416	10.153	.40680	1.0203	.50443	1.9996	.50165
#2	.10239	10.091	.40505	1.0133	.50286	1.9776	.50056
#3	.10931	10.802	.43289	1.0774	.52775	2.1261	.51507

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.50461	10.391	1.0454	2.1134	1.0405	10.774	.50069
SDev	.01533	.317	.0362	.0677	.0359	.182	.01188
%RSD	3.0381	3.0470	3.4620	3.2032	3.4504	1.6900	2.3737
#1	.49493	10.220	1.0272	2.0800	1.0221	10.666	.49338
#2	.49661	10.197	1.0220	2.0689	1.0176	10.672	.49430
#3	.52228	10.757	1.0871	2.1913	1.0819	10.984	.51441

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50010	2.0195	.25088	10.040	2.0399	.51666	2.0875
SDev	.01860	.0650	.00783	.297	.0638	.01272	.0683
%RSD	3.7201	3.2187	3.1218	2.9618	3.1295	2.4627	3.2718
#1	.49043	1.9830	.24725	9.8860	2.0120	.51596	2.0520
#2	.48833	1.9809	.24552	9.8508	1.9948	.50429	2.0443
#3	.52155	2.0945	.25987	10.383	2.1130	.52971	2.1663

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.0369	1.0722	.5060	.5011	.5126
SDev	.0341	.0385	.0130	.0164	.0129
%RSD	3.2853	3.5951	2.566	3.267	2.526
#1	1.0192	1.0534	.4981	.4922	.5027
#2	1.0153	1.0467	.4989	.4911	.5077
#3	1.0762	Q1.1166	.5209	.5200	.5272

Method: EPA Sample Name: ICB Operator: LKM
Run Time: 07/11/96 16:41:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.00427	.00044	.00133	.00155	.00071	.00010	.00092
SDev	.00162	.00275	.00252	.00127	.00020	.00010	.00035
%RSD	38.016	620.44	189.32	82.210	28.742	95.404	38.132
#1	-.00601	.00130	.00252	.00240	.00093	.00021	.00084
#2	-.00280	-.00264	.00304	.00008	.00065	.00003	.00131
#3	-.00399	.00267	-.00156	.00217	.00054	.00006	.00062

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00017	-.00624	-.00095	.00071	-.00000	-.01603	-.00093
SDev	.00027	.00085	.00049	.00015	.00024	.00434	.00273
%RSD	161.03	13.632	51.164	20.616	13881.	27.072	293.01
#1	-.00019	-.00606	-.00127	.00054	.00024	-.01482	.00173
#2	.00011	-.00549	-.00039	.00080	-.00002	-.01241	-.00080
#3	-.00043	-.00716	-.00120	.00080	-.00023	-.02084	-.00372

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	-.00119	-.00448	-.00029	.00466	-.00161	.00367	.00234
SDev	.00143	.00157	.00005	.00208	.00055	.00118	.00158
%RSD	119.95	35.037	15.798	44.686	34.181	32.208	67.512
#1	-.00284	-.00629	-.00026	.00697	-.00128	.00263	.00052
#2	-.00020	-.00357	-.00026	.00408	-.00131	.00342	.00331
#3	-.00055	-.00358	-.00034	.00293	-.00225	.00495	.00318

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00154	.00161	.00024	.00033	.00152	.00114	.00067
SDev	.00031	.00094	.00026	.01989	.00086	.00140	.00046
%RSD	20.379	58.529	107.93	6030.6	56.520	123.59	68.713
#1	.00118	.00149	.00028	.00442	.00207	.00058	.00117
#2	.00172	.00260	.00049	-.02128	.00195	.00273	.00059
#3	.00172	.00073	-.00004	.01786	.00053	.00009	.00026

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00018	.00017	-.0003	.0026	.0018
SDev	.00050	.00014	.0006	.0008	.0012
%RSD	271.61	80.887	231.4	30.67	66.99
#1	-.00010	.00009	-.0004	.0017	.0029
#2	.00076	.00033	.0004	.0031	.0019
#3	-.00011	.00009	-.0008	.0030	.0005

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Method: EPA Sample Name: CCV Operator: LKM
Run Time: 07/11/96 16:46:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	5.0025	1.0001	1.0032	1.0111	5.1309	.12440	2.4996
SDev	.0034	.0084	.0030	.0070	.0086	.00034	.0066
%RSD	.06735	.84461	.29434	.68951	.16830	.27077	.26373
#1	5.0046	.99069	1.0039	1.0095	5.1369	.12433	2.4999
#2	4.9986	1.0027	1.0057	1.0187	5.1348	.12477	2.5060
#3	5.0042	1.0070	.99994	1.0051	5.1210	.12411	2.4928

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.50466	12.499	.49827	1.2515	.61930	2.5009	1.0104
SDev	.00100	.033	.00164	.0034	.00137	.0100	.0057
%RSD	.19721	.26355	.32978	.27310	.22169	.39984	.55927
#1	.50433	12.480	.49852	1.2508	.61938	2.4942	1.0074
#2	.50578	12.537	.49977	1.2552	.62063	2.5124	1.0169
#3	.50387	12.480	.49651	1.2485	.61789	2.4962	1.0069

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.0040	12.504	1.2554	2.5286	1.2513	12.768	1.0217
SDev	.0068	.024	.0021	.0062	.0026	.011	.0032
%RSD	.68162	.18907	.16818	.24604	.20504	.08571	.31086
#1	.99617	12.502	1.2553	2.5234	1.2542	12.780	1.0235
#2	1.0089	12.529	1.2576	2.5355	1.2503	12.758	1.0181
#3	1.0069	12.482	1.2534	2.5270	1.2494	12.767	1.0236

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0166	2.5106	.62299	12.083	2.4782	1.0087	2.5223
SDev	.0044	.0066	.00186	.064	.0048	.0051	.0052
%RSD	.43226	.26196	.29796	.52706	.19203	.50903	.20763
#1	1.0119	2.5102	.62267	12.012	2.4755	1.0029	2.5229
#2	1.0175	2.5174	.62498	12.099	2.4837	1.0103	2.5273
#3	1.0205	2.5042	.62131	12.137	2.4754	1.0128	2.5168

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.2470	1.2878	1.007	1.019	1.003
SDev	.0022	.0050	.006	.003	.003
%RSD	.17238	.38940	.5824	.2905	.2554
#1	1.2471	1.2856	1.001	1.017	1.000
#2	1.2491	1.2936	1.013	1.019	1.005
#3	1.2448	1.2843	1.008	1.022	1.003

Method: EPA Sample Name: CCB Operator: LKM
Run Time: 07/11/96 16:51:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.00200	.00007	.00248	.00218	.00066	.00000	.00066
SDev	.00040	.00131	.00152	.00125	.00020	.00016	.00038
%RSD	19.760	1907.5	61.176	57.284	31.267	7864.0	57.638
#1	-.00180	.00136	.00329	.00321	.00088	-.00017	.00022
#2	-.00175	-.00126	.00343	.00255	.00060	.00014	.00085
#3	-.00245	.00010	.00073	.00079	.00049	.00003	.00091

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00010	-.00630	-.00106	.00029	.00003	-.01520	.00142
SDev	.00003	.00101	.00025	.00033	.00019	.00944	.00077
%RSD	33.099	16.108	23.484	115.06	592.27	62.089	54.163
#1	-.00007	-.00744	-.00078	.00054	.00025	-.02187	.00086
#2	-.00014	-.00598	-.00113	.00042	-.00007	-.01934	.00229
#3	-.00010	-.00548	-.00127	-.00009	-.00008	-.00440	.00110

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	-.00029	-.00566	-.00036	.00458	-.00153	.00403	.00476
SDev	.00069	.00068	.00005	.00279	.00061	.00439	.00259
%RSD	241.37	12.046	12.617	60.865	40.269	108.79	54.367
#1	.00050	-.00569	-.00033	.00767	-.00087	.00877	.00538
#2	-.00057	-.00633	-.00033	.00381	-.00162	.00321	.00192
#3	-.00079	-.00497	-.00041	.00225	-.00209	.00012	.00698

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00042	.00076	.00011	-.01472	.00011	.00311	.00065
SDev	.00161	.00096	.00016	.03692	.00102	.00312	.00056
%RSD	384.48	126.17	150.67	250.91	923.41	100.38	85.442
#1	.00077	.00159	.00007	-.05110	.00114	.00666	.00129
#2	.00023	.00099	.00028	.02272	.00007	.00183	.00036
#3	-.00225	-.00029	-.00003	-.01577	-.00089	.00083	.00030

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00019	.00022	.0011	.0021	.0025
SDev	.00051	.00000	.0004	.0009	.0011
%RSD	261.82	1.5880	39.91	43.09	43.52
#1	.00078	.00023	.0015	.0031	.0035
#2	-.00010	.00022	.0012	.0015	.0026
#3	-.00010	.00022	.0006	.0016	.0013

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Method: EPA Sample Name: CRI Operator: LKM
Run Time: 07/11/96 16:57:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	.00232	.11742	.12077	.02231	.00023	.01064	.00060
SDev	.00238	.00269	.00167	.00076	.00003	.00009	.00045
%RSD	102.79	2.2954	1.3835	3.3881	14.697	.82483	75.509
#1	.00409	.11631	.11897	.02261	.00027	.01056	.00047
#2	-.00039	.11545	.12227	.02145	.00021	.01073	.00022
#3	.00324	.12049	.12108	.02287	.00021	.01062	.00110

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01083	-.00587	.01983	.10690	.05336	-.01927	.00880
SDev	.00041	.00092	.00017	.00048	.00036	.00461	.00049
%RSD	3.7868	15.655	.87807	.44525	.67494	23.936	5.5759
#1	.01128	-.00693	.01966	.10642	.05375	-.02443	.00827
#2	.01048	-.00539	.02001	.10738	.05328	-.01784	.00888
#3	.01073	-.00529	.01983	.10691	.05304	-.01554	.00924

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00483	-.00437	.03171	.00161	.08317	.00350	.01469
SDev	.00105	.00205	.00008	.00013	.00068	.00008	.00087
%RSD	21.722	46.799	.26036	7.7977	.81567	2.2633	5.9272
#1	.00484	-.00233	.03161	.00175	.08331	.00347	.01560
#2	.00587	-.00438	.03175	.00158	.08376	.00344	.01460
#3	.00377	-.00642	.03176	.00150	.08243	.00359	.01386

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00861	.00497	.02110	-.04298	.00026	.02076	.00007
SDev	.00060	.00031	.00013	.03049	.00188	.00134	.00002
%RSD	6.9211	6.3142	.61105	70.944	713.05	6.4506	29.268
#1	.00795	.00469	.02109	-.00876	-.00135	.01995	.00010
#2	.00910	.00531	.02123	-.05292	-.00019	.02003	.00006
#3	.00877	.00492	.02098	-.06725	.00233	.02231	.00006

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.10284	.04403	.0071	.0115	.1204
SDev	.00018	.00019	.0007	.0003	.0014
%RSD	.17941	.42470	9.273	2.294	1.151
#1	.10263	.04424	.0069	.0113	.1189
#2	.10290	.04397	.0078	.0118	.1208
#3	.10299	.04389	.0065	.0113	.1216

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Method: EPA Sample Name: ICSA Operator: LKM
Run Time: 07/11/96 17:02:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	428.74	.00682	.00132	.00419	-.00135	.00169	.00047
SDev	.54	.00442	.00725	.00280	.00006	.00005	.00051
%RSD	.12574	64.829	549.56	66.755	4.7497	2.9592	108.30
#1	429.19	.00634	.00888	.00461	-.00135	.00173	.00050
#2	428.14	.01145	-.00558	.00676	-.00129	.00171	-.00005
#3	428.88	.00265	.00065	.00121	-.00142	.00163	.00098

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00393	438.45	-.00015	.00107	.00044	188.57	-.00118
SDev	.00034	.72	.00020	.00048	.00024	.08	.00223
%RSD	8.6307	.16308	132.27	45.262	55.123	.04334	189.53
#1	.00385	437.63	.00006	.00135	.00071	188.65	-.00040
#2	.00364	438.88	-.00018	.00051	.00030	188.49	.00056
#3	.00431	438.85	-.00033	.00134	.00030	188.58	-.00370

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00128	471.42	-.00581	.00274	-.00007	.01243	-.00066
SDev	.00307	.78	.00007	.00085	.00092	.00362	.00022
%RSD	239.74	.16555	1.2915	31.053	1320.3	29.090	33.644
#1	.00389	472.31	-.00574	.00244	-.00082	.01638	-.00079
#2	.00207	470.85	-.00580	.00208	.00096	.01161	-.00040
#3	-.00211	471.09	-.00588	.00371	-.00034	.00929	-.00079

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00257	.03207	.00041	.13888	.00262	.00370	-.00082
SDev	.00187	.00154	.00030	.03957	.00272	.00549	.00020
%RSD	73.017	4.7908	72.773	28.489	103.93	148.37	24.714
#1	-.00434	.03380	.00016	.13945	.00561	-.00248	-.00063
#2	-.00061	.03153	.00033	.17815	.00028	.00803	-.00080
#3	-.00275	.03087	.00074	.09903	.00197	.00556	-.00103

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00113	.00317	.0015	-.0010	.0040
SDev	.00001	.00031	.0027	.0013	.0042
%RSD	1.1322	9.8929	185.4	126.7	105.2
#1	.00113	.00336	.0035	-.0023	.0088
#2	.00112	.00281	.0026	.0004	.0010
#3	.00115	.00333	-.0016	-.0012	.0022

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Method: EPA Sample Name: ICSAB Operator: LKM
Run Time: 07/11/96 17:08:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	427.74	.60353	.58833	.09887	.54523	.46861	.00320
SDev	.56	.00799	.00666	.00378	.00127	.00108	.00086
%RSD	.13064	1.3241	1.1321	3.8232	.23229	.23072	26.851
#1	427.86	.59487	.59382	.09545	.54633	.46776	.00221
#2	428.23	.60510	.58092	.10293	.54552	.46983	.00370
#3	427.13	.61062	.59025	.09823	.54385	.46825	.00369

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.94077	438.47	.48222	.47618	.55512	187.46	.04502
SDev	.00069	1.08	.00141	.00126	.00167	.41	.00359
%RSD	.07389	.24737	.29172	.26400	.30106	.21736	7.9645
#1	.94073	437.29	.48090	.47575	.55653	187.11	.04916
#2	.94148	439.42	.48370	.47760	.55555	187.91	.04288
#3	.94009	438.70	.48207	.47519	.55327	187.36	.04302

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.05075	468.35	.48677	.00368	.94029	.01577	.04332
SDev	.00231	.91	.00096	.00036	.00048	.00156	.00158
%RSD	4.5496	.19360	.19735	9.8962	.05115	9.9033	3.6364
#1	.04808	468.22	.48581	.00407	.94083	.01620	.04503
#2	.05209	469.31	.48773	.00362	.93989	.01707	.04193
#3	.05207	467.51	.48677	.00335	.94016	.01404	.04301

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04535	.03561	.21606	.11559	.00558	.09610	.00158
SDev	.00705	.00158	.00058	.06290	.00255	.00695	.00018
%RSD	15.553	4.4420	.26933	54.421	45.652	7.2284	11.491
#1	.04652	.03667	.21540	.18765	.00305	.10151	.00147
#2	.03778	.03638	.21649	.08747	.00555	.08827	.00148
#3	.05174	.03379	.21628	.07165	.00814	.09853	.00179

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.49534	.99918	.0500	.0456	.5943
SDev	.00085	.00207	.0003	.0050	.0041
%RSD	.17143	.20688	.6848	10.92	.6871
#1	.49562	.99725	.0496	.0469	.5951
#2	.49601	1.0014	.0501	.0401	.5899
#3	.49439	.99894	.0502	.0497	.5979

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Method: EPA Sample Name: CCV Operator: LKM
Run Time: 07/11/96 17:13:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	5.0279	.99673	.99945	1.0033	5.1136	.12318	2.4923
SDev	.0085	.00113	.00226	.0089	.0016	.00024	.0028
%RSD	.16900	.11314	.22638	.88257	.03061	.19711	.11103
#1	5.0370	.99574	.99744	1.0029	5.1118	.12296	2.4898
#2	5.0264	.99796	1.0019	.99473	5.1141	.12315	2.4919
#3	5.0202	.99648	.99900	1.0124	5.1148	.12344	2.4953

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.49853	12.399	.49460	1.2400	.61760	2.4813	1.0016
SDev	.00055	.017	.00153	.0022	.00112	.0243	.0030
%RSD	.10990	.13825	.30828	.17665	.18128	.97963	.29863
#1	.49915	12.400	.49499	1.2393	.61630	2.5036	.99911
#2	.49834	12.381	.49291	1.2383	.61820	2.4554	1.0009
#3	.49811	12.416	.49589	1.2425	.61828	2.4848	1.0049

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.99510	12.435	1.2446	2.4910	1.2382	12.780	1.0120
SDev	.00344	.012	.0019	.0124	.0046	.015	.0064
%RSD	.34600	.09574	.15633	.49603	.37276	.11594	.63464
#1	.99371	12.426	1.2442	2.4844	1.2329	12.771	1.0166
#2	.99902	12.432	1.2428	2.4833	1.2406	12.798	1.0147
#3	.99256	12.449	1.2467	2.5053	1.2411	12.773	1.0047

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0073	2.5030	.62185	12.152	2.4520	1.0024	2.5194
SDev	.0047	.0025	.00069	.045	.0029	.0072	.0010
%RSD	.47153	.09893	.11135	.37309	.11851	.71646	.04033
#1	1.0103	2.5012	.62106	12.203	2.4490	.99656	2.5189
#2	1.0097	2.5021	.62218	12.136	2.4520	1.0104	2.5187
#3	1.0018	2.5058	.62232	12.117	2.4548	1.0002	2.5206

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.2393	1.2751	.9982	1.010	.9994
SDev	.0015	.0020	.0022	.005	.0019
%RSD	.12401	.15417	.2190	.5252	.1885
#1	1.2384	1.2758	.9964	1.013	.9977
#2	1.2384	1.2729	1.001	1.012	1.001
#3	1.2411	1.2766	.9976	1.004	.9990

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Method: EPA Sample Name: CCB Operator: LKM
Run Time: 07/11/96 17:18:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	.01202	-.00119	.00222	.00219	.00053	.00027	-.00025
SDev	.00401	.00066	.00032	.00108	.00017	.00007	.00076
%RSD	33.401	55.520	14.455	49.323	32.893	27.120	303.83
#1	.01634	-.00132	.00189	.00258	.00072	.00036	.00055
#2	.01130	-.00047	.00253	.00301	.00049	.00024	-.00034
#3	.00841	-.00178	.00224	.00097	.00038	.00022	-.00096

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00001	.00163	-.00101	.00071	.00018	-.02033	-.00101
SDev	.00019	.00110	.00028	.00073	.00021	.00744	.00134
%RSD	1671.0	67.217	27.882	103.34	118.53	36.594	133.36
#1	-.00010	.00289	-.00071	-.00011	-.00001	-.02469	.00053
#2	.00021	.00112	-.00126	.00131	.00040	-.01174	-.00196
#3	-.00014	.00088	-.00105	.00092	.00013	-.02458	-.00159

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	-.00068	.00593	-.00044	.00406	-.00241	.00239	.00278
SDev	.00156	.00120	.00005	.00191	.00034	.00502	.00241
%RSD	230.42	20.165	10.513	47.001	13.971	209.89	86.874
#1	-.00247	.00731	-.00041	.00625	-.00231	.00820	.00020
#2	.00036	.00524	-.00041	.00316	-.00214	-.00053	.00315
#3	.00008	.00524	-.00049	.00277	-.00279	-.00049	.00498

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00014	.00402	.00015	-.10351	-.00061	.00308	.00049
SDev	.00351	.00153	.00016	.02020	.00190	.00078	.00044
%RSD	2449.6	38.175	111.76	19.517	312.03	25.415	90.867
#1	.00417	.00574	.00029	-.11693	.00157	.00270	.00100
#2	-.00146	.00352	-.00003	-.11332	-.00194	.00399	.00030
#3	-.00227	.00279	.00018	-.08027	-.00145	.00257	.00017

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00001	.00012	.0000	.0018	.0019
SDev	.00017	.00022	.0006	.0016	.0004
%RSD	2838.2	182.03	1536.	89.21	22.71
#1	.00020	.00037	-.0006	.0037	.0015
#2	-.00009	-.00001	.0004	.0008	.0024
#3	-.00009	-.00000	.0004	.0010	.0017

Method: EPA Sample Name: PBS Operator: LKM
Run Time: 07/11/96 17:24:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	.00127	-.00055	.00131	.00391	.00023	.00021	-.00005
SDev	.00452	.00238	.00084	.00228	.00003	.00017	.00096
%RSD	355.71	431.87	64.272	58.321	14.518	84.741	2023.0
#1	.00599	.00212	.00185	.00226	.00021	.00041	-.00113
#2	.00083	-.00244	.00034	.00651	.00026	.00014	.00027
#3	-.00301	-.00133	.00175	.00295	.00021	.00008	.00071

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00029	-.00184	-.00122	.00012	.00028	-.01629	.00114
SDev	.00025	.00040	.00022	.00045	.00020	.00539	.00165
%RSD	85.982	22.013	18.124	388.65	69.966	33.056	144.77
#1	-.00049	-.00193	-.00147	-.00035	.00051	-.02204	.00154
#2	-.00037	-.00219	-.00113	.00054	.00018	-.01137	.00255
#3	-.00001	-.00139	-.00106	.00016	.00015	-.01546	-.00067

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	-.00018	-.00138	-.00049	.00066	-.00219	.00266	-.00102
SDev	.00070	.00040	.00000	.00067	.00038	.00464	.00374
%RSD	383.97	28.790	.05309	101.27	17.163	174.80	365.38
#1	-.00086	-.00161	-.00049	.00063	-.00244	.00545	-.00192
#2	.00054	-.00161	-.00049	.00000	-.00176	.00522	-.00422
#3	-.00022	-.00092	-.00049	.00133	-.00237	-.00270	.00308

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00114	.00380	.00002	.01218	-.00123	.00050	.00008
SDev	.00145	.00155	.00016	.01454	.00172	.00135	.00002
%RSD	127.75	40.633	783.59	119.35	139.88	272.10	22.926
#1	-.00040	.00539	.00002	-.00384	-.00000	.00028	.00006
#2	-.00020	.00373	.00018	.02454	-.00049	.00194	.00010
#3	-.00281	.00230	-.00014	.01583	-.00320	-.00073	.00009

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00000	.00003	.0011	-.0003	.0015
SDev	.00017	.00007	.0008	.0004	.0013
%RSD	7952.8	273.44	77.96	115.3	85.51
#1	-.00010	.00011	.0008	-.0002	.0028
#2	-.00009	-.00002	.0020	-.0007	.0002
#3	.00020	-.00002	.0004	-.0000	.0014

Method: EPA Sample Name: PBS2 Operator: LKM
Run Time: 07/11/96 17:29:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.00639	.00077	.00012	.00036	.00002	-.00005	-.00027
SDev	.00066	.00180	.00014	.00197	.00003	.00019	.00067
%RSD	10.392	231.97	118.04	546.80	186.13	400.90	250.25
#1	-.00685	-.00129	.00014	-.00174	-.00002	-.00027	.00044
#2	-.00563	.00196	-.00003	.00217	.00004	.00004	-.00036
#3	-.00670	.00166	.00025	.00065	.00004	.00009	-.00088

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00009	-.00486	-.00166	-.00002	.00042	-.01830	-.00115
SDev	.00006	.00149	.00028	.00054	.00002	.00518	.00126
%RSD	71.429	30.653	17.031	2160.2	5.7109	28.296	109.10
#1	-.00002	-.00654	-.00196	-.00064	.00045	-.01490	-.00191
#2	-.00014	-.00436	-.00161	.00028	.00041	-.01574	-.00184
#3	-.00011	-.00369	-.00140	.00029	.00041	-.02426	.00030

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	-.00013	-.00693	-.00051	.00032	-.00196	-.00070	-.00205
SDev	.00056	.00154	.00004	.00031	.00018	.00394	.00372
%RSD	417.32	22.282	8.6114	96.702	9.3973	559.12	181.40
#1	.00051	-.00867	-.00057	.00001	-.00184	.00033	-.00630
#2	-.00046	-.00640	-.00049	.00032	-.00217	-.00505	-.00048
#3	-.00046	-.00572	-.00049	.00063	-.00186	.00261	.00062

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00082	.00488	.00006	-.03794	-.00299	-.00040	-.00012
SDev	.00219	.00271	.00026	.05785	.00158	.00018	.00013
%RSD	267.34	55.422	472.30	152.47	52.885	44.934	107.81
#1	.00335	.00775	-.00025	-.05772	-.00382	-.00059	-.00021
#2	-.00059	.00452	.00023	-.08331	-.00398	-.00037	.00003
#3	-.00030	.00238	.00018	.02720	-.00117	-.00024	-.00018

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	-.00022	.0004	.0007	.0012
SDev	.00029	.00025	.0004	.0004	.0006
%RSD	311.98	117.26	110.8	54.44	49.33
#1	-.00038	-.00050	.0005	.0010	.0005
#2	.00020	-.00001	-.0001	.0003	.0015
#3	-.00010	-.00014	.0007	.0007	.0015

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Method: EPA Sample Name: PBW Operator: LKM
Run Time: 07/11/96 17:34:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.00823	-.00145	.00059	.00082	.00006	.00006	-.00004
SDev	.00045	.00047	.00070	.00034	.00003	.00008	.00007
%RSD	5.5070	32.768	118.11	41.655	58.006	120.20	167.28
#1	-.00851	-.00140	.00128	.00101	.00004	-.00002	-.00011
#2	-.00849	-.00100	-.00012	.00042	.00009	.00013	.00001
#3	-.00771	-.00194	.00063	.00102	.00004	.00008	-.00001

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00008	-.00370	-.00111	.00042	.00014	-.02389	.00142
SDev	.00006	.00060	.00014	.00022	.00017	.00361	.00230
%RSD	78.364	16.134	12.944	52.979	124.79	15.122	161.66
#1	-.00011	-.00437	-.00106	.00029	.00031	-.01972	.00333
#2	-.00001	-.00323	-.00099	.00067	-.00003	-.02601	-.00113
#3	-.00012	-.00349	-.00127	.00029	.00012	-.02594	.00207

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K 7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00008	-.00523	-.00049	.00032	-.00266	.01996	.00442
SDev	.00159	.00196	.00008	.00027	.00071	.00245	.00076
%RSD	2066.7	37.579	15.918	85.640	26.757	12.296	17.158
#1	.00032	-.00637	-.00057	.00016	-.00186	.02245	.00381
#2	-.00162	-.00296	-.00049	.00016	-.00291	.01989	.00527
#3	.00153	-.00635	-.00041	.00063	-.00322	.01754	.00418

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00099	.00317	.00013	.05198	-.00300	-.00081	-.00013
SDev	.00093	.00024	.00028	.07180	.00200	.00097	.00008
%RSD	94.395	7.6133	223.51	138.12	66.720	119.46	59.045
#1	.00007	.00304	-.00009	.05239	-.00416	-.00060	-.00018
#2	.00095	.00345	.00044	.12358	-.00416	.00004	-.00004
#3	.00194	.00303	.00002	-.02002	-.00069	-.00187	-.00018

Elem	V 2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00044	.0013	.0029	.0007
SDev	.00017	.00014	.0017	.0008	.0004
%RSD	8509.8	32.769	128.8	26.39	63.19
#1	-.00010	.00035	.0021	.0020	.0012
#2	.00019	.00036	-.0006	.0031	.0004
#3	-.00010	.00061	.0025	.0035	.0005

Method: EPA Sample Name: LCSS Operator: LKM
Run Time: 07/11/96 17:40:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	35.075	.18054	.17985	.41253	.53356	.71029	.26139
SDev	.180	.00279	.00346	.00419	.00313	.00331	.00221
%RSD	.51226	1.5450	1.9214	1.0162	.58606	.46623	.84458
#1	35.121	.17921	.17607	.41498	.53459	.71331	.26094
#2	35.227	.17866	.18285	.41491	.53605	.71081	.26379
#3	34.877	.18374	.18063	.40769	.53005	.70674	.25944

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.60402	11.734	.51021	.91375	.56307	56.131	.41859
SDev	.00385	.053	.00302	.00609	.00272	.243	.00207
%RSD	.63831	.44846	.59114	.66623	.48369	.43375	.49552
#1	.60762	11.786	.51282	.91727	.56417	56.326	.42082
#2	.60448	11.736	.51092	.91725	.56507	56.209	.41672
#3	.59995	11.681	.50691	.90672	.55997	55.858	.41822

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.41613	9.7243	1.0197	.42270	.83250	11.308	.48089
SDev	.00141	.0566	.0042	.00206	.00514	.054	.00280
%RSD	.33888	.58156	.40866	.48666	.61723	.48086	.58209
#1	.41632	9.7550	1.0231	.42503	.83278	11.301	.47948
#2	.41464	9.7589	1.0211	.42194	.83749	11.366	.47907
#3	.41744	9.6590	1.0151	.42114	.82722	11.258	.48411

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49069	.98689	.33318	.88209	.52364	.80514	1.8116
SDev	.00574	.00524	.00183	.06057	.00162	.01205	.0094
%RSD	1.1705	.53063	.55013	6.8665	.31018	1.4969	.51695
#1	.48612	.98994	.33421	.82481	.52506	.80421	1.8176
#2	.48882	.98987	.33428	.87598	.52398	.81762	1.8164
#3	.49714	.98084	.33107	.94549	.52187	.79357	1.8008

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.37771	.71232	.4180	.4882	.1809
SDev	.00146	.00397	.0014	.0047	.0026
%RSD	.38687	.55763	.3349	.9671	1.418
#1	.37905	.71665	.4189	.4847	.1779
#2	.37792	.71147	.4164	.4864	.1823
#3	.37615	.70885	.4187	.4936	.1825

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Method: EPA Sample Name: LCSS2 Operator: LKM
Run Time: 07/11/96 17:45:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	37.315	.17034	.17335	.41738	.54998	.72648	.26785
SDev	.263	.00475	.00187	.00491	.00465	.00971	.00321
%RSD	.70431	2.7869	1.0763	1.1754	.84483	1.3369	1.1998
#1	37.396	.17059	.17128	.42099	.55204	.72954	.27065
#2	37.528	.17496	.17388	.41935	.55324	.73430	.26855
#3	37.021	.16547	.17490	.41179	.54466	.71561	.26434

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.61803	12.108	.52410	.93722	.57490	61.472	.42507
SDev	.00735	.186	.00668	.01425	.00452	.828	.00234
%RSD	1.1896	1.5329	1.2745	1.5203	.78569	1.3465	.55080
#1	.62115	12.141	.52476	.93963	.57668	61.725	.42417
#2	.62331	12.275	.53042	.95011	.57826	62.145	.42773
#3	.60963	11.909	.51711	.92192	.56977	60.548	.42332

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.42630	10.145	1.0573	.43141	.85403	11.809	.49603
SDev	.00396	.096	.0141	.00576	.01225	.018	.00233
%RSD	.92791	.94543	1.3314	1.3361	1.4348	.15209	.47032
#1	.42581	10.170	1.0617	.43318	.85351	11.826	.49455
#2	.43048	10.226	1.0687	.43607	.86654	11.812	.49482
#3	.42261	10.039	1.0416	.42496	.84205	11.790	.49872

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50316	.79260	.34089	.80954	.53000	.83562	1.9726
SDev	.00570	.00796	.00366	.07563	.00691	.00899	.0215
%RSD	1.1330	1.0036	1.0736	9.3429	1.3030	1.0755	1.0897
#1	.49846	.79077	.34134	.89178	.53173	.84156	1.9796
#2	.50950	.80131	.34430	.74295	.53587	.84002	1.9897
#3	.50151	.78572	.33702	.79389	.52239	.82528	1.9485

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.39644	.73415	.4269	.5016	.1732
SDev	.00465	.00955	.0034	.0037	.0017
%RSD	1.1733	1.3005	.7981	.7438	.9673
#1	.39681	.73579	.4263	.4980	.1719
#2	.40090	.74277	.4306	.5055	.1751
#3	.39162	.72389	.4239	.5014	.1726

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Method: EPA Sample Name: LCSW Operator: LKM
Run Time: 07/11/96 17:51:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	1.9099	.23064	.23600	.23836	1.9995	.04778	.96348
SDev	.0073	.00559	.00142	.00339	.0044	.00006	.00156
%RSD	.38170	2.4231	.60064	1.4209	.22064	.13387	.16166
#1	1.9144	.22465	.23742	.23597	2.0020	.04786	.96503
#2	1.9137	.23572	.23459	.24224	2.0022	.04774	.96191
#3	1.9015	.23156	.23598	.23687	1.9944	.04774	.96351

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.04879	4.7953	.19222	.48087	.24081	.95100	.23487
SDev	.00060	.0252	.00097	.00211	.00045	.00046	.00156
%RSD	1.2271	.52646	.50443	.43929	.18609	.04830	.66271
#1	.04875	4.7833	.19194	.48015	.24081	.95053	.23353
#2	.04822	4.7784	.19142	.47921	.24126	.95102	.23658
#3	.04941	4.8244	.19330	.48325	.24037	.95145	.23450

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.22892	4.7557	.48774	.97122	.47623	5.1712	.22066
SDev	.00081	.0059	.00102	.00172	.00084	.0236	.00052
%RSD	.35504	.12330	.20811	.17747	.17686	.45667	.23554
#1	.22871	4.7522	.48702	.97235	.47527	5.1877	.22008
#2	.22824	4.7525	.48730	.96923	.47656	5.1816	.22080
#3	.22982	4.7625	.48890	.97206	.47686	5.1441	.22110

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.22387	.93048	.10476	4.6566	.93425	.23550	.98075
SDev	.00316	.00226	.00016	.0313	.00060	.00475	.00081
%RSD	1.4096	.24254	.14971	.67297	.06450	2.0154	.08310
#1	.22236	.93215	.10465	4.6419	.93361	.23719	.98165
#2	.22750	.93139	.10470	4.6353	.93480	.23917	.98006
#3	.22175	.92791	.10494	4.6926	.93435	.23014	.98053

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.48255	.50255	.2319	.2236	.2350
SDev	.00020	.00214	.0005	.0021	.0009
%RSD	.04076	.42602	.2313	.9552	.4030
#1	.48232	.50251	.2313	.2224	.2339
#2	.48269	.50043	.2320	.2261	.2357
#3	.48263	.50471	.2324	.2224	.2353

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Method: EPA Sample Name: 238929 Operator: LKM
Run Time: 07/11/96 17:56:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.00992	-.00150	.00100	.00214	.00046	-.00017	-.00031
SDev	.00176	.00128	.00120	.00299	.00006	.00002	.00059
%RSD	17.719	85.793	119.84	139.88	13.697	13.089	191.71
#1	-.01004	-.00292	.00183	.00067	.00054	-.00015	-.00020
#2	-.01161	-.00042	-.00037	.00017	.00043	-.00016	-.00095
#3	-.00810	-.00114	.00155	.00558	.00043	-.00020	.00022

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00012	.06317	-.00082	.00046	.00060	-.01807	.00044
SDev	.00011	.00070	.00020	.00026	.00015	.00634	.00120
%RSD	92.934	1.1068	24.144	56.182	24.100	35.091	273.83
#1	-.00021	.06385	-.00093	.00017	.00049	-.02493	-.00009
#2	-.00014	.06245	-.00093	.00055	.00077	-.01242	-.00041
#3	.00000	.06322	-.00059	.00067	.00054	-.01685	.00181

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	-.00066	.00134	.00015	.00152	-.00127	.01079	.00430
SDev	.00142	.00039	.00004	.00080	.00042	.00133	.00341
%RSD	215.67	28.909	29.116	52.820	33.089	12.317	79.314
#1	.00051	.00112	.00012	.00177	-.00098	.01012	.00510
#2	-.00224	.00112	.00020	.00216	-.00108	.00992	.00056
#3	-.00025	.00179	.00013	.00062	-.00175	.01232	.00723

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00308	.02527	.00024	-.10631	-.00143	.00332	.00009
SDev	.00089	.00061	.00029	.05431	.00166	.00176	.00009
%RSD	28.956	2.3987	118.39	51.089	115.73	53.039	99.764
#1	-.00211	.02514	-.00009	-.04761	-.00270	.00160	.00019
#2	-.00386	.02475	.00038	-.11652	-.00204	.00324	.00002
#3	-.00326	.02594	.00044	-.15479	.00044	.00512	.00006

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00693	.0005	.0002	.0009
SDev	.00017	.00010	.0012	.0015	.0006
%RSD	1919.9	1.4988	227.1	837.7	63.21
#1	-.00011	.00703	.0011	.0011	.0010
#2	.00018	.00692	-.0008	-.0016	.0003
#3	-.00010	.00683	.0012	.0010	.0015

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Method: EPA Sample Name: 238929L Operator: LKM
Run Time: 07/11/96 18:01:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.00693	-.00022	.00088	.00089	.00019	.00005	-.00022
SDev	.00231	.00049	.00241	.00130	.00007	.00006	.00051
%RSD	33.249	218.67	273.79	145.66	34.917	122.61	233.28
#1	-.00691	.00022	.00362	.00065	.00026	.00011	-.00063
#2	-.00464	-.00075	-.00087	-.00027	.00015	.00005	.00035
#3	-.00925	-.00014	-.00012	.00229	.00015	-.00001	-.00038

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00009	.01122	-.00120	.00075	.00049	-.02049	.00092
SDev	.00028	.00049	.00012	.00020	.00034	.00667	.00064
%RSD	335.20	4.3208	9.9794	25.940	69.656	32.535	69.694
#1	.00014	.01146	-.00126	.00054	.00087	-.02208	.00099
#2	.00034	.01153	-.00106	.00080	.00037	-.02622	.00024
#3	-.00022	.01066	-.00127	.00092	.00022	-.01318	.00151

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00030	-.00569	-.00028	.00071	-.00144	.00896	.00098
SDev	.00160	.00066	.00005	.00036	.00081	.00428	.00051
%RSD	533.48	11.596	16.084	50.829	56.069	47.825	52.207
#1	.00081	-.00503	-.00025	.00063	-.00101	.01375	.00087
#2	-.00149	-.00570	-.00033	.00110	-.00237	.00549	.00053
#3	.00158	-.00635	-.00026	.00039	-.00094	.00764	.00153

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00112	.00936	.00009	-.00554	-.00306	-.00001	.00003
SDev	.00064	.00134	.00012	.04174	.00103	.00145	.00018
%RSD	57.039	14.303	135.88	753.09	33.520	15888.	663.24
#1	-.00120	.01010	.00023	.01964	-.00242	.00002	.00023
#2	-.00171	.01017	.00002	-.05373	-.00252	.00143	-.00008
#3	-.00044	.00781	.00002	.01745	-.00425	-.00148	-.00008

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00010	.00159	.0013	.0004	.0013
SDev	.00017	.00012	.0013	.0006	.0018
%RSD	174.17	7.7778	96.32	149.7	143.3
#1	.00020	.00172	.0017	.0003	.0033
#2	-.00010	.00148	-.0001	-.0001	-.0001
#3	.00019	.00158	.0024	.0010	.0006

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Method: EPA Sample Name: 238929D Operator: LKM
Run Time: 07/11/96 18:07:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.00580	-.00221	.00035	.00240	.00033	-.00016	-.00032
SDev	.00274	.00311	.00096	.00111	.00006	.00008	.00012
%RSD	47.215	141.11	272.97	46.253	19.033	51.265	36.850
#1	-.00417	-.00339	-.00020	.00367	.00026	-.00016	-.00039
#2	-.00427	-.00455	-.00020	.00160	.00037	-.00008	-.00038
#3	-.00896	.00132	.00146	.00193	.00037	-.00024	-.00018

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00001	.07251	-.00105	.00076	.00060	-.01232	-.00117
SDev	.00037	.00146	.00039	.00040	.00020	.00741	.00062
%RSD	7113.6	2.0161	37.717	53.324	33.377	60.116	53.100
#1	-.00042	.07155	-.00134	.00030	.00046	-.02087	-.00062
#2	.00027	.07420	-.00060	.00093	.00083	-.00807	-.00184
#3	.00016	.07180	-.00121	.00105	.00051	-.00802	-.00104

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	-.00055	.00313	.00038	.00056	-.00125	.02545	.00654
SDev	.00125	.00116	.00009	.00060	.00044	.00049	.00428
%RSD	225.52	36.942	22.740	106.05	35.482	1.9381	65.516
#1	-.00180	.00246	.00028	.00038	-.00158	.02533	.01010
#2	-.00055	.00246	.00043	.00007	-.00141	.02503	.00773
#3	.00069	.00446	.00043	.00123	-.00075	.02599	.00179

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00205	.02435	-.00007	-.09466	-.00270	.00128	-.00016
SDev	.00074	.00137	.00015	.02334	.00057	.00144	.00005
%RSD	36.385	5.6276	211.99	24.654	21.140	112.51	32.604
#1	-.00131	.02390	-.00025	-.09185	-.00327	.00273	-.00011
#2	-.00280	.02590	.00002	-.11927	-.00213	-.00014	-.00015
#3	-.00202	.02327	.00002	-.07285	-.00270	.00124	-.00022

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00030	.00873	.0001	.0016	.0002
SDev	.00017	.00013	.0008	.0016	.0016
%RSD	56.283	1.5007	707.9	100.6	696.2
#1	-.00039	.00876	-.0005	.0033	-.0005
#2	-.00010	.00884	-.0002	.0015	-.0009
#3	-.00039	.00858	.0010	.0000	.0021

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Method: EPA Sample Name: 2389298 Operator: LKM
Run Time: 07/11/96 18:12:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	1.9174	.46739	.47241	.03936	1.9986	.04462	.96908
SDev	.0047	.02479	.01342	.00169	.0015	.00010	.00178
%RSD	.24761	5.3038	2.8405	4.2857	.07332	.23220	.18336
#1	1.9126	.44143	.45707	.03787	1.9977	.04468	.96992
#2	1.9221	.46994	.47823	.04119	2.0002	.04450	.97029
#3	1.9173	.49081	.48194	.03901	1.9977	.04468	.96704

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.04827	4.8203	.18872	.47625	.23601	.93267	.01779
SDev	.00026	.0151	.00049	.00035	.00070	.01507	.00208
%RSD	.53271	.31274	.25779	.07287	.29693	1.6155	11.701
#1	.04805	4.8162	.18840	.47609	.23622	.93032	.02019
#2	.04822	4.8076	.18848	.47602	.23658	.91891	.01649
#3	.04855	4.8369	.18928	.47665	.23523	.94877	.01669

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.02058	4.9397	.47949	.93068	.48002	5.9487	.01465
SDev	.00128	.0068	.00116	.01767	.00032	.0167	.00273
%RSD	6.2196	.13674	.24159	1.8981	.06594	.28026	18.628
#1	.01953	4.9324	.47889	.91080	.47967	5.9441	.01713
#2	.02020	4.9458	.47874	.93664	.48027	5.9672	.01509
#3	.02200	4.9410	.48082	.94459	.48013	5.9349	.01173

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01023	.99290	.04303	4.7031	.92514	.05061	.96951
SDev	.00022	.00116	.00006	.0338	.00978	.00254	.00254
%RSD	2.1882	.11691	.13850	.71963	1.0567	5.0241	.26240
#1	.00998	.99286	.04302	4.7272	.91562	.05351	.96703
#2	.01030	.99176	.04297	4.7178	.92464	.04877	.96940
#3	.01041	.99408	.04309	4.6644	.93515	.04955	.97211

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.47675	.51278	.0207	.0125	.4715
SDev	.00038	.00151	.0006	.0007	.0170
%RSD	.07890	.29464	3.103	5.860	3.606
#1	.47663	.51178	.0208	.0131	.4527
#2	.47646	.51204	.0200	.0127	.4762
#3	.47718	.51452	.0212	.0117	.4857

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Method: EPA Sample Name: CCV Operator: LKM
Run Time: 07/11/96 18:18:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	5.0299	1.0132	1.0038	.99797	5.1559	.12314	2.5078
SDev	.1270	.0315	.0263	.02213	.1329	.00324	.0554
%RSD	2.5243	3.1078	2.6174	2.2172	2.5767	2.6291	2.2079
#1	5.1765	1.0492	1.0340	1.0234	5.3089	.12685	2.5717
#2	4.9555	.99085	.98664	.98286	5.0698	.12088	2.4744
#3	4.9577	.99955	.99066	.98769	5.0890	.12170	2.4773

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.49679	12.376	.49386	1.2400	.62337	2.4588	1.0050
SDev	.01181	.301	.01197	.0285	.01558	.0580	.0233
%RSD	2.3766	2.4316	2.4234	2.3023	2.4996	2.3600	2.3231
#1	.51035	12.723	.50765	1.2729	.64132	2.5256	1.0314
#2	.49123	12.214	.48778	1.2251	.61332	2.4296	.98690
#3	.48879	12.190	.48615	1.2220	.61547	2.4211	.99676

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.99828	12.616	1.2455	2.4843	1.2403	12.942	1.0141
SDev	.01787	.321	.0302	.0669	.0297	.254	.0185
%RSD	1.7905	2.5456	2.4278	2.6948	2.3948	1.9610	1.8250
#1	1.0189	12.986	1.2804	2.5616	1.2745	13.233	1.0354
#2	.98852	12.431	1.2278	2.4460	1.2216	12.768	1.0019
#3	.98742	12.429	1.2283	2.4453	1.2247	12.826	1.0050

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99982	2.5227	.62569	12.276	2.4743	1.0109	2.5384
SDev	.01215	.0608	.01381	.289	.0685	.0224	.0642
%RSD	1.2148	2.4112	2.2072	2.3582	2.7696	2.2141	2.5291
#1	1.0134	2.5929	.64161	12.596	2.5534	1.0357	2.6125
#2	.98997	2.4852	.61851	12.032	2.4344	.99211	2.4999
#3	.99611	2.4900	.61694	12.201	2.4350	1.0050	2.5028

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.2453	1.2740	1.001	1.005	1.008
SDev	.0299	.0321	.020	.014	.028
%RSD	2.3984	2.5228	1.952	1.416	2.784
#1	1.2798	1.3110	1.024	1.022	1.040
#2	1.2275	1.2580	.9890	.9948	.9888
#3	1.2286	1.2529	.9915	.9999	.9944

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Method: EPA Sample Name: CCB Operator: LKM
Run Time: 07/11/96 18:23:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.01161	.00030	.00181	.00197	.00063	.00007	.00043
SDev	.00287	.00177	.00100	.00128	.00020	.00017	.00029
%RSD	24.688	586.98	55.392	65.017	32.318	254.73	67.559
#1	-.00973	.00014	.00237	.00283	.00084	.00026	.00075
#2	-.01019	.00215	.00065	.00257	.00061	-.00002	.00036
#3	-.01491	-.00138	.00241	.00050	.00043	-.00005	.00018

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00013	-.00105	-.00128	.00045	.00075	-.01881	.00216
SDev	.00006	.00135	.00046	.00014	.00026	.00413	.00214
%RSD	46.820	128.50	36.003	31.711	34.951	21.950	99.119
#1	-.00010	.00021	-.00077	.00054	.00080	-.02046	.00450
#2	-.00021	-.00089	-.00140	.00054	.00099	-.01411	.00169
#3	-.00009	-.00246	-.00168	.00029	.00047	-.02185	.00029

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	-.00032	-.00573	-.00044	.00490	-.00232	.00430	-.00064
SDev	.00128	.00294	.00005	.00274	.00044	.00453	.00111
%RSD	403.61	51.243	10.737	55.911	18.939	105.20	174.18
#1	-.00156	-.00439	-.00041	.00768	-.00235	.00936	-.00078
#2	-.00038	-.00371	-.00041	.00484	-.00187	.00290	-.00166
#3	.00099	-.00910	-.00049	.00219	-.00274	.00064	.00054

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00101	.00618	.00013	-.10605	.00160	.00043	.00062
SDev	.00147	.00265	.00030	.06607	.00342	.00256	.00058
%RSD	145.38	42.846	231.17	62.305	213.18	592.23	94.557
#1	-.00055	.00819	.00045	-.03110	.00488	.00321	.00127
#2	-.00265	.00717	.00008	-.13114	.00187	-.00182	.00041
#3	.00017	.00318	-.00014	-.15590	-.00194	-.00009	.00016

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00000	.00012	.0013	-.0001	.0021
SDev	.00016	.00013	.0002	.0013	.0002
%RSD	3623.1	106.83	16.93	1034.	10.32
#1	-.00009	.00025	.0013	.0002	.0023
#2	-.00009	-.00000	.0011	-.0016	.0020
#3	.00019	.00011	.0016	.0010	.0020

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Method: EPA Sample Name: 238909 Operator: LKM
Run Time: 07/11/96 18:28:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	39.820	-.00154	.00338	.05497	.33464	.00149	2.0819
SDev	.048	.00122	.00047	.00281	.00026	.00026	.0075
%RSD	.12177	79.262	13.822	5.1174	.07768	17.275	.35853
#1	39.769	-.00014	.00361	.05779	.33444	.00120	2.0753
#2	39.825	-.00214	.00284	.05217	.33493	.00162	2.0805
#3	39.866	-.00235	.00369	.05494	.33454	.00167	2.0900

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00949	47.074	.12210	.04919	.60774	92.270	.41580
SDev	.00018	.166	.00038	.00019	.00045	.223	.00437
%RSD	1.9069	.35309	.31155	.38882	.07374	.24220	1.0518
#1	.00929	46.936	.12167	.04917	.60723	92.127	.42035
#2	.00963	47.028	.12238	.04901	.60791	92.156	.41163
#3	.00955	47.258	.12225	.04939	.60807	92.528	.41542

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.41515	35.863	1.4196	.00465	.13907	2.3137	.00266
SDev	.00129	.087	.0040	.00048	.00162	.0140	.00726
%RSD	.31193	.24203	.27895	10.411	1.1645	.60717	273.53
#1	.41584	35.772	1.4157	.00520	.13817	2.2975	.00982
#2	.41595	35.873	1.4195	.00433	.13810	2.3220	.00286
#3	.41365	35.945	1.4236	.00440	.14094	2.3216	-.00471

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00354	.92366	.00383	3.0080	.05266	.00848	4.8669
SDev	.00622	.00518	.00021	.0434	.00102	.00187	.0039
%RSD	175.42	.56090	5.5858	1.4415	1.9379	22.012	.08014
#1	-.00327	.91869	.00405	2.9581	.05287	.00866	4.8627
#2	.00891	.92326	.00362	3.0295	.05356	.00653	4.8676
#3	.00499	.92903	.00383	3.0365	.05155	.01026	4.8704

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.19092	.61867	.4163	.0041	.0026
SDev	.00076	.00193	.0017	.0032	.0006
%RSD	.40074	.31201	.4128	77.79	22.96
#1	.19101	.61782	.4183	.0019	.0032
#2	.19012	.61732	.4155	.0077	.0020
#3	.19164	.62088	.4152	.0026	.0025

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Method: EPA Sample Name: 238910 Operator: LKM
Run Time: 07/11/96 18:34:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	37.245	.01447	.02047	.12035	.71208	.00254	.08474
SDev	.052	.00236	.00230	.00207	.00111	.00011	.00102
%RSD	.13959	16.351	11.214	1.7219	.15548	4.4891	1.2054
#1	37.277	.01709	.01924	.11887	.71335	.00267	.08465
#2	37.185	.01381	.01904	.12272	.71139	.00250	.08580
#3	37.273	.01250	.02311	.11946	.71148	.00245	.08376

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00607	19.553	.06491	.02565	H51.218	59.306	8.4431
SDev	.00018	.036	.00032	.00040	.093	.105	.0191
%RSD	2.9498	.18175	.49922	1.5607	.18205	.17653	.22613
#1	.00594	19.562	.06490	.02608	H51.314	59.387	8.4471
#2	.00600	19.583	.06523	.02529	H51.128	59.343	8.4599
#3	.00628	19.514	.06459	.02557	H51.211	59.188	8.4223

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	8.3909	10.808	1.6585	.00291	.06551	3.1943	-.00039
SDev	.0075	.016	.0025	.00055	.00076	.0039	.00112
%RSD	.08981	.15264	.14777	19.017	1.1530	.12311	285.92
#1	8.3988	10.827	1.6599	.00287	.06465	3.1927	-.00081
#2	8.3839	10.797	1.6599	.00348	.06602	3.1914	.00088
#3	8.3898	10.800	1.6557	.00238	.06587	3.1988	-.00124

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00639	.84199	.00616	.49181	1.7018	.00394	1.0329
SDev	.00134	.00224	.00028	.04362	.0058	.00073	.0015
%RSD	21.006	.26552	4.6135	8.8687	.33885	18.504	.14342
#1	.00731	.84451	.00591	.46123	1.7084	.00423	1.0342
#2	.00701	.84122	.00647	.54176	1.6993	.00447	1.0331
#3	.00485	.84024	.00610	.47245	1.6977	.00311	1.0313

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.16425	2.2705	8.409	.0050	.0192
SDev	.00023	.0037	.007	.0011	.0011
%RSD	.14143	.16217	.0853	23.17	5.949
#1	.16399	2.2715	8.416	.0054	.0194
#2	.16436	2.2735	8.410	.0058	.0180
#3	.16442	2.2664	8.402	.0036	.0203

Method: EPA Sample Name: 238911 Operator: LKM
Run Time: 07/11/96 18:39:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	42.465	-.00171	.00490	.09175	.47951	.00226	.89088
SDev	.345	.00053	.00118	.00259	.00384	.00016	.00887
%RSD	.81295	30.901	24.094	2.8235	.80127	6.9221	.99540
#1	42.067	-.00111	.00357	.08879	.47508	.00208	.88073
#2	42.662	-.00195	.00528	.09362	.48151	.00236	.89478
#3	42.667	-.00209	.00584	.09283	.48194	.00234	.89713

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00892	66.602	.09816	.04274	2.1639	113.26	1.2943
SDev	.00010	.749	.00161	.00072	.0169	1.15	.0130
%RSD	1.1277	1.1242	1.6439	1.6907	.78085	1.0124	1.0020
#1	.00886	65.740	.09631	.04237	2.1444	111.94	1.2817
#2	.00887	66.982	.09927	.04357	2.1743	113.88	1.3076
#3	.00904	67.085	.09890	.04228	2.1730	113.96	1.2936

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.2960	34.362	1.6926	.00508	.16128	2.8053	-.00032
SDev	.0028	.315	.0172	.00059	.00214	.0325	.00614
%RSD	.21897	.91640	1.0164	11.604	1.3280	1.1589	1916.6
#1	1.2954	33.998	1.6727	.00575	.15881	2.7679	-.00536
#2	1.2935	34.535	1.7025	.00483	.16266	2.8215	.00652
#3	1.2991	34.552	1.7025	.00466	.16236	2.8265	-.00211

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00271	2.2820	.00317	3.0447	.06872	.00747	4.7954
SDev	.00134	.0427	.00036	.0737	.00075	.00694	.0438
%RSD	49.536	1.8729	11.530	2.4192	1.0847	92.929	.91395
#1	.00370	2.2336	.00279	2.9601	.06818	.00255	4.7448
#2	.00324	2.2975	.00352	3.0789	.06957	.00445	4.8209
#3	.00118	2.3148	.00319	3.0950	.06842	.01541	4.8205

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.37877	.75414	1.296	.0025	.0035
SDev	.00460	.00808	.004	.0023	.0006
%RSD	1.2153	1.0711	.3091	90.72	17.39
#1	.37349	.74487	1.292	.0015	.0028
#2	.38195	.75795	1.299	.0052	.0037
#3	.38088	.75962	1.298	.0009	.0040

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Method: EPA Sample Name: 238912 Operator: LKM
Run Time: 07/11/96 18:45:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	10.354	.00140	.00449	.10245	.71401	.00220	.02109
SDev	.041	.00117	.00056	.00134	.00227	.00008	.00108
%RSD	.39161	83.519	12.450	1.3076	.31722	3.5768	5.1400
#1	10.331	.00271	.00411	.10110	.71229	.00229	.02199
#2	10.330	.00105	.00513	.10378	.71317	.00215	.02139
#3	10.400	.00045	.00422	.10247	.71657	.00217	.01989

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00284	3.4524	.06701	.02471	.23496	211.68	.42713
SDev	.00019	.0114	.00042	.00065	.00071	.25	.00510
%RSD	6.5310	.32998	.62239	2.6157	.30020	.11924	1.1949
#1	.00292	3.4527	.06749	.02542	.23458	211.58	.42619
#2	.00298	3.4637	.06686	.02454	.23453	211.97	.42256
#3	.00263	3.4409	.06670	.02416	.23577	211.49	.43263

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.43233	2.4957	1.4247	.00904	.15542	1.9641	.01038
SDev	.00269	.0059	.0027	.00033	.00021	.0077	.00183
%RSD	.62336	.23818	.18879	3.6122	.13633	.39003	17.596
#1	.42932	2.4975	1.4222	.00921	.15527	1.9580	.00857
#2	.43453	2.4891	1.4275	.00925	.15566	1.9615	.01035
#3	.43313	2.5005	1.4242	.00867	.15531	1.9727	.01222

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00913	.93944	.00062	.35406	.02557	.01805	.53252
SDev	.00305	.00433	.00024	.03571	.00053	.00251	.00009
%RSD	33.448	.46105	38.335	10.084	2.0689	13.884	.01770
#1	.01113	.94233	.00079	.33272	.02615	.01762	.53243
#2	.01064	.93446	.00035	.39528	.02544	.02074	.53252
#3	.00561	.94153	.00073	.33419	.02511	.01578	.53262

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.04907	.18292	.4315	.0103	.0043
SDev	.00060	.00002	.0024	.0016	.0004
%RSD	1.2280	.01240	.5549	15.11	9.694
#1	.04874	.18290	.4291	.0111	.0044
#2	.04977	.18292	.4315	.0114	.0046
#3	.04870	.18295	.4339	.0085	.0038

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Method: EPA Sample Name: CRI Operator: LKM
Run Time: 07/11/96 18:50:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.00368	.12000	.12147	.02128	.00011	.01057	.00037
SDev	.00273	.00198	.00027	.00066	.00007	.00006	.00033
%RSD	74.283	1.6458	.22047	3.0988	58.040	.61286	89.532
#1	-.00056	.11898	.12132	.02204	.00015	.01059	.00026
#2	-.00567	.11873	.12131	.02090	.00004	.01062	.00011
#3	-.00480	.12227	.12178	.02090	.00015	.01050	.00074

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01037	-.00107	.01969	.10595	.05482	.00682	.00901
SDev	.00040	.00116	.00025	.00081	.00073	.00522	.00224
%RSD	3.8797	108.16	1.2841	.76205	1.3385	76.586	24.887
#1	.01071	-.00036	.01990	.10504	.05557	.01232	.00895
#2	.00993	-.00240	.01941	.10659	.05479	.00619	.00680
#3	.01047	-.00045	.01976	.10621	.05411	.00193	.01128

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00673	-.00618	.03154	.00082	.08180	.00902	.01094
SDev	.00142	.00085	.00006	.00012	.00015	.00142	.00308
%RSD	21.067	13.747	.18699	14.469	.18109	15.780	28.129
#1	.00712	-.00716	.03159	.00080	.08165	.01063	.01230
#2	.00791	-.00569	.03147	.00094	.08194	.00848	.00742
#3	.00516	-.00569	.03155	.00071	.08181	.00794	.01311

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01024	.01142	.02097	.02347	-.00123	.02258	.00031
SDev	.00040	.00311	.00019	.05451	.00126	.00089	.00009
%RSD	3.8983	27.187	.89174	232.23	102.21	3.9508	29.371
#1	.01020	.01500	.02096	-.00714	-.00165	.02258	.00041
#2	.00986	.00978	.02078	.08640	-.00223	.02169	.00023
#3	.01066	.00948	.02116	-.00885	.00018	.02347	.00030

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.10218	.04337	.0084	.0113	.1218
SDev	.00091	.00006	.0003	.0013	.0009
%RSD	.88875	.13331	3.303	11.24	.7122
#1	.10192	.04344	.0087	.0117	.1214
#2	.10143	.04333	.0085	.0099	.1212
#3	.10319	.04334	.0081	.0123	.1228

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Method: EPA Sample Name: ICSA Operator: LKM
Run Time: 07/11/96 18:55:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	429.17	.00183	.00546	.00207	-.00136	.00147	-.00021
SDev	1.15	.00419	.00157	.00253	.00006	.00013	.00108
%RSD	.26732	229.14	28.800	122.43	4.2861	8.9724	513.07
#1	430.44	.00541	.00591	-.00086	-.00136	.00133	.00073
#2	428.22	.00287	.00371	.00349	-.00142	.00148	-.00139
#3	428.85	-.00279	.00676	.00358	-.00130	.00159	.00003

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00449	434.68	-.00028	.00116	.00185	187.21	.00034
SDev	.00091	.84	.00041	.00008	.00052	.08	.00403
%RSD	20.209	.19386	148.97	6.9537	28.257	.04129	1195.6
#1	.00549	433.76	-.00024	.00121	.00244	187.29	.00488
#2	.00428	434.86	-.00070	.00107	.00165	187.18	-.00106
#3	.00371	435.42	.00012	.00120	.00146	187.14	-.00281

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00465	471.42	-.00546	.00162	.00075	.01569	.00207
SDev	.00198	1.32	.00006	.00162	.00025	.01174	.01172
%RSD	42.556	.27942	1.1558	99.639	33.686	74.815	565.52
#1	.00331	472.94	-.00551	.00003	.00101	.00219	.01447
#2	.00692	470.69	-.00548	.00157	.00051	.02348	-.00884
#3	.00372	470.62	-.00539	.00327	.00073	.02139	.00059

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00059	.03564	.00027	.09137	.00053	.00944	-.00058
SDev	.00638	.00315	.00010	.07752	.00210	.00345	.00011
%RSD	1073.0	8.8381	36.189	84.849	392.05	36.582	18.940
#1	-.00402	.03926	.00016	.01368	.00242	.01120	-.00053
#2	.00677	.03350	.00033	.09169	-.00172	.00546	-.00071
#3	-.00454	.03417	.00033	.16873	.00090	.01165	-.00050

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00085	.00454	.0042	.0012	.0051
SDev	.00045	.00041	.0015	.0027	.0013
%RSD	53.089	9.0706	34.73	229.6	26.12
#1	-.00053	.00485	.0048	.0030	.0066
#2	-.00137	.00407	.0053	.0025	.0042
#3	-.00066	.00468	.0025	-.0019	.0045

Method: EPA Sample Name: ICSAB Operator: LKM
Run Time: 07/11/96 19:01:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	426.85	.60153	.59324	.09753	.54405	.46515	.00323
SDev	.40	.00608	.00097	.00438	.00059	.00021	.00042
%RSD	.09418	1.0103	.16356	4.4947	.10811	.04542	12.976
#1	426.44	.59945	.59428	.10211	.54467	.46501	.00300
#2	427.24	.59677	.59308	.09337	.54399	.46540	.00298
#3	426.87	.60837	.59235	.09710	.54350	.46505	.00372

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.92971	433.46	.47820	.47329	.55792	185.75	.04980
SDev	.00147	.56	.00085	.00063	.00062	.12	.00373
%RSD	.15855	.12986	.17851	.13345	.11105	.06274	7.4799
#1	.92915	432.86	.47785	.47274	.55854	185.61	.05386
#2	.93138	433.54	.47757	.47398	.55792	185.80	.04899
#3	.92860	433.97	.47917	.47315	.55731	185.83	.04654

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.05189	466.84	.48300	.00315	.93257	.01424	.04381
SDev	.00106	.32	.00068	.00185	.00303	.00323	.00647
%RSD	2.0431	.06926	.14008	58.845	.32509	22.664	14.769
#1	.05085	466.59	.48227	.00502	.92961	.01760	.04763
#2	.05297	467.20	.48314	.00132	.93567	.01116	.04747
#3	.05184	466.72	.48360	.00311	.93244	.01397	.03634

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04916	.04049	.21564	.13433	.00451	.08974	.00110
SDev	.00775	.00233	.00018	.08095	.00335	.00285	.00003
%RSD	15.757	5.7651	.08317	60.264	74.309	3.1798	2.3511
#1	.05424	.04312	.21562	.21017	.00326	.09303	.00113
#2	.04024	.03866	.21547	.04909	.00831	.08811	.00108
#3	.05299	.03969	.21583	.14373	.00196	.08807	.00109

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.49243	.98797	.0523	.0482	.5969
SDev	.00025	.00194	.0010	.0046	.0017
%RSD	.05146	.19623	1.861	9.620	.2829
#1	.49214	.98601	.0530	.0528	.5969
#2	.49258	.98802	.0528	.0435	.5952
#3	.49257	.98988	.0512	.0483	.5986

Method: EPA Sample Name: CCV_ Operator: LKM
Run Time: 07/11/96 19:06:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	5.0418	.99881	.99428	.99203	5.1298	.12242	2.4905
SDev	.0159	.00177	.00275	.00596	.0149	.00058	.0056
%RSD	.31584	.17727	.27606	.60090	.29126	.47039	.22597
#1	5.0597	.99677	.99712	.99393	5.1470	.12294	2.4963
#2	5.0361	.99986	.99164	.98535	5.1203	.12180	2.4850
#3	5.0294	.99981	.99408	.99681	5.1220	.12250	2.4901

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.49288	12.257	.48978	1.2319	.62227	2.4510	1.0022
SDev	.00170	.037	.00120	.0056	.00148	.0127	.0036
%RSD	.34596	.30175	.24469	.45860	.23809	.51648	.35551
#1	.49380	12.294	.49116	1.2375	.62396	2.4656	1.0064
#2	.49393	12.220	.48917	1.2262	.62118	2.4434	1.0001
#3	.49091	12.255	.48901	1.2320	.62169	2.4439	1.0003

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.99594	12.457	1.2370	2.4583	1.2329	12.923	1.0068
SDev	.00244	.027	.0037	.0058	.0031	.036	.0080
%RSD	.24447	.21779	.29750	.23437	.25414	.27757	.79319
#1	.99760	12.488	1.2410	2.4574	1.2364	12.964	1.0143
#2	.99314	12.438	1.2337	2.4530	1.2304	12.899	.99842
#3	.99707	12.445	1.2362	2.4644	1.2318	12.906	1.0078

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0030	2.5115	.62078	12.202	2.4284	1.0018	2.5240
SDev	.0033	.0077	.00129	.144	.0099	.0051	.0084
%RSD	.33305	.30785	.20782	1.1835	.40644	.51054	.33087
#1	1.0017	2.5187	.62227	12.320	2.4397	.99604	2.5336
#2	1.0005	2.5033	.61992	12.041	2.4217	1.0035	2.5194
#3	1.0068	2.5125	.62016	12.246	2.4238	1.0058	2.5190

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.2389	1.2592	.9990	1.005	.9965
SDev	.0044	.0035	.0025	.004	.0013
%RSD	.35711	.27524	.2540	.3911	.1274
#1	1.2437	1.2620	1.001	1.007	.9977
#2	1.2350	1.2553	.9964	1.001	.9952
#3	1.2381	1.2603	.9991	1.008	.9967

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Method: EPA Sample Name: CCB Operator: LKM
Run Time: 07/11/96 19:11:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	.00197	-.00250	.00127	.00278	.00053	.00008	.00068
SDev	.00213	.00213	.00083	.00080	.00012	.00010	.00047
%RSD	107.69	84.968	65.342	28.813	22.267	128.35	69.290
#1	.00429	-.00143	.00198	.00301	.00066	.00012	.00107
#2	.00011	-.00112	.00035	.00344	.00044	.00015	.00081
#3	.00152	-.00496	.00149	.00189	.00049	-.00004	.00016

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00001	.00726	-.00105	.00045	.00082	-.01960	.00179
SDev	.00013	.00153	.00007	.00020	.00016	.00958	.00142
%RSD	1106.5	21.032	6.4672	43.265	19.740	48.853	79.250
#1	-.00012	.00871	-.00105	.00041	.00098	-.02885	.00067
#2	-.00004	.00567	-.00098	.00028	.00066	-.02022	.00132
#3	.00013	.00741	-.00112	.00067	.00081	-.00973	.00339

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	-.00039	.00479	-.00033	.00385	-.00214	-.00534	.00159
SDev	.00104	.00199	.00000	.00158	.00075	.01197	.00442
%RSD	267.13	41.506	.25062	41.172	34.860	224.26	277.31
#1	-.00105	.00592	-.00033	.00560	-.00203	.00018	-.00088
#2	.00081	.00249	-.00033	.00253	-.00145	.00288	.00669
#3	-.00093	.00594	-.00033	.00341	-.00293	-.01907	-.00104

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00101	.00878	.00022	-.09651	-.00009	.00278	.00055
SDev	.00344	.00236	.00024	.11418	.00166	.00200	.00039
%RSD	340.96	26.890	111.01	118.32	1838.1	71.880	70.954
#1	.00494	.01120	-.00003	-.05760	.00127	.00090	.00099
#2	-.00047	.00648	.00024	-.00686	-.00194	.00488	.00030
#3	-.00144	.00866	.00045	-.22506	.00040	.00257	.00034

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00008	.0012	.0020	.0008
SDev	.00029	.00007	.0007	.0023	.0007
%RSD	318.56	88.770	63.96	116.5	87.16
#1	.00020	.00012	.0003	.0038	.0016
#2	-.00039	.00011	.0018	.0026	.0007
#3	-.00009	-.00000	.0013	-.0006	.0002

Method: EPA Sample Name: 238913 Operator: LKM
Run Time: 07/11/96 19:17:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	33.600	-.00264	.00172	.02380	.40387	.00197	.45870
SDev	.088	.00067	.00072	.00082	.00092	.00005	.00079
%RSD	.26131	25.324	42.080	3.4620	.22772	2.4566	.17222
#1	33.591	-.00240	.00224	.02402	.40370	.00197	.45959
#2	33.517	-.00213	.00202	.02448	.40305	.00192	.45843
#3	33.692	-.00340	.00089	.02288	.40487	.00202	.45809

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01309	36.299	.09898	.03907	11.237	100.21	.67730
SDev	.00042	.143	.00061	.00064	.037	.17	.00224
%RSD	3.2370	.39528	.62171	1.6458	.33132	.16782	.33137
#1	.01299	36.214	.09837	.03964	11.255	100.08	.67522
#2	.01273	36.464	.09960	.03837	11.195	100.40	.67700
#3	.01356	36.218	.09896	.03919	11.263	100.14	.67968

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.67638	24.450	1.2104	.00998	.12011	2.3450	.00014
SDev	.00340	.029	.0035	.00029	.00037	.0094	.00069
%RSD	.50304	.11657	.28552	2.8945	.30666	.40063	503.42
#1	.67619	24.449	1.2082	.01024	.12053	2.3467	.00069
#2	.67308	24.421	1.2144	.01004	.11985	2.3349	.00035
#3	.67988	24.478	1.2087	.00967	.11994	2.3535	-.00063

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00420	1.0963	.00666	2.2599	.04856	.00567	4.4103
SDev	.00315	.0052	.00011	.0558	.00023	.00223	.0027
%RSD	75.059	.47727	1.5891	2.4699	.46548	39.259	.06188
#1	.00744	1.0937	.00671	2.3128	.04831	.00351	4.4072
#2	.00114	1.0928	.00674	2.2654	.04874	.00796	4.4121
#3	.00403	1.1023	.00654	2.2016	.04863	.00554	4.4117

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.24768	.40663	.6776	.0037	.0010
SDev	.00093	.00134	.0028	.0022	.0007
%RSD	.37449	.33044	.4139	59.34	69.88
#1	.24726	.40649	.6768	.0060	.0014
#2	.24874	.40805	.6753	.0017	.0014
#3	.24703	.40537	.6807	.0033	.0002

Method: EPA Sample Name: 238913L Operator: LKM
Run Time: 07/11/96 19:22:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	6.5944	.00027	.00129	.00549	.07889	.00046	.09078
SDev	.0767	.00213	.00095	.00060	.00077	.00012	.00119
%RSD	1.1632	789.59	73.684	10.930	.97417	25.140	1.3057
#1	6.5064	.00172	.00238	.00544	.07800	.00059	.08942
#2	6.6473	.00126	.00061	.00492	.07935	.00038	.09149
#3	6.6295	-.00217	.00089	.00611	.07932	.00041	.09145

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00235	7.3523	.01877	.00800	2.2251	20.136	.13912
SDev	.00015	.0974	.00034	.00022	.0252	.236	.00232
%RSD	6.2258	1.3250	1.8295	2.7526	1.1331	1.1699	1.6708
#1	.00227	7.2400	.01871	.00778	2.1963	19.864	.13714
#2	.00252	7.4037	.01846	.00800	2.2431	20.275	.13856
#3	.00226	7.4133	.01914	.00822	2.2360	20.270	.14168

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.13603	4.9113	.24208	.00227	.02255	.43336	.00253
SDev	.00117	.0580	.00299	.00088	.00161	.00280	.00136
%RSD	.85623	1.1802	1.2360	38.931	7.1494	.64579	53.754
#1	.13469	4.8447	.23863	.00311	.02111	.43658	.00206
#2	.13675	4.9500	.24366	.00135	.02223	.43206	.00147
#3	.13667	4.9392	.24395	.00236	.02429	.43146	.00407

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00055	.22399	.00141	.42770	.00834	.00304	.88417
SDev	.00287	.00443	.00012	.04631	.00193	.00139	.01018
%RSD	518.53	1.9762	8.2013	10.827	23.080	45.692	1.1512
#1	-.00246	.21890	.00129	.48117	.00614	.00272	.87241
#2	.00087	.22692	.00142	.40021	.00917	.00184	.89016
#3	.00325	.22616	.00152	.40174	.00971	.00457	.88992

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.04953	.08266	.1381	.0020	.0018
SDev	.00093	.00063	.0014	.0022	.0011
%RSD	1.8686	.76379	1.045	110.6	64.69
#1	.04849	.08196	.1365	-.0001	.0030
#2	.04985	.08319	.1384	.0019	.0016
#3	.05026	.08283	.1394	.0043	.0007

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Method: EPA Sample Name: 238913D Operator: LKM
Run Time: 07/11/96 19:28:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	34.741	.00046	.00570	.02232	.41811	.00194	.48248
SDev	.076	.00097	.00095	.00287	.00060	.00008	.00117
%RSD	.21774	209.25	16.671	12.848	.14248	4.0468	.24208
#1	34.682	-.00016	.00461	.01961	.41764	.00185	.48131
#2	34.714	-.00003	.00613	.02203	.41792	.00198	.48248
#3	34.826	.00158	.00636	.02532	.41878	.00199	.48365

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01100	37.031	.07359	.03760	1.4473	98.227	.67170
SDev	.00042	.013	.00052	.00108	.0034	.056	.00702
%RSD	3.8530	.03577	.71317	2.8809	.23532	.05724	1.0451
#1	.01112	37.047	.07316	.03760	1.4449	98.267	.66388
#2	.01053	37.023	.07417	.03652	1.4458	98.162	.67378
#3	.01135	37.024	.07343	.03869	1.4512	98.251	.67745

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.66447	24.542	1.1603	.00546	.12852	2.4741	.00285
SDev	.00051	.057	.0009	.00053	.00056	.0030	.00340
%RSD	.07740	.23318	.08166	9.7861	.43819	.12032	119.32
#1	.66503	24.501	1.1614	.00604	.12915	2.4727	-.00106
#2	.66401	24.518	1.1595	.00500	.12806	2.4720	.00453
#3	.66438	24.608	1.1602	.00534	.12835	2.4775	.00509

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00385	.93961	.00720	2.4469	.07358	.00974	4.6204
SDev	.00230	.00303	.00012	.0736	.00064	.00259	.0014
%RSD	59.693	.32269	1.7191	3.0087	.86883	26.619	.03068
#1	.00350	.93728	.00708	2.5319	.07340	.00747	4.6200
#2	.00174	.93852	.00719	2.4058	.07305	.01256	4.6192
#3	.00630	.94304	.00733	2.4030	.07429	.00917	4.6220

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.25485	.42081	.6678	.0044	.0048
SDev	.00012	.00076	.0021	.0021	.0009
%RSD	.04808	.18053	.3105	47.98	18.38
#1	.25472	.42004	.6656	.0028	.0039
#2	.25486	.42083	.6682	.0035	.0048
#3	.25497	.42156	.6697	.0067	.0056

Method: EPA Sample Name: 238913S Operator: LKM
Run Time: 07/11/96 19:33:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	37.331	.48927	.48808	.04118	2.5125	.04729	1.7156
SDev	.075	.00642	.00395	.00294	.0038	.00025	.0030
%RSD	.20058	1.3130	.80891	7.1410	.15272	.53178	.17416
#1	37.392	.48234	.48403	.04040	2.5142	.04700	1.7159
#2	37.247	.49043	.48830	.03870	2.5081	.04744	1.7125
#3	37.353	.49503	.49192	.04443	2.5152	.04744	1.7185

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.05804	42.411	.26732	.51687	.80241	100.54	.55366
SDev	.00040	.139	.00044	.00241	.00209	.22	.00163
%RSD	.68829	.32729	.16386	.46672	.26090	.21741	.29420
#1	.05847	42.251	.26688	.51434	.80314	100.29	.55253
#2	.05767	42.496	.26733	.51713	.80005	100.63	.55292
#3	.05799	42.486	.26775	.51915	.80403	100.70	.55553

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.55051	30.149	1.6477	.96148	.66872	8.1772	.00560
SDev	.00052	.041	.0042	.00621	.00319	.0285	.00292
%RSD	.09348	.13459	.25427	.64600	.47699	.34905	52.192
#1	.55016	30.154	1.6428	.95432	.66532	8.2028	.00228
#2	.55110	30.106	1.6497	.96478	.67165	8.1464	.00777
#3	.55026	30.187	1.6505	.96535	.66918	8.1825	.00675

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00908	2.5460	.04866	7.6160	.98347	.03114	5.5098
SDev	.00058	.0069	.00030	.0570	.00503	.00170	.0058
%RSD	6.3774	.26984	.62672	.74788	.51164	5.4499	.10555
#1	.00968	2.5399	.04841	7.5579	.98113	.02919	5.5044
#2	.00852	2.5446	.04857	7.6717	.98003	.03225	5.5090
#3	.00903	2.5534	.04900	7.6185	.98924	.03199	5.5159

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.72214	.85312	.5525	.0088	.4893
SDev	.00201	.00126	.0006	.0006	.0048
%RSD	.27865	.14728	.0989	6.946	.9737
#1	.71982	.85171	.5519	.0081	.4843
#2	.72332	.85355	.5526	.0091	.4899
#3	.72329	.85411	.5530	.0091	.4938

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Method: EPA Sample Name: 238914 Operator: LKM
Run Time: 07/11/96 19:38:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	26.733	.00167	.00568	.10986	.78835	.00384	.13557
SDev	.012	.00058	.00102	.00094	.00103	.00005	.00066
%RSD	.04422	34.875	17.985	.85405	.13050	1.3428	.48832
#1	26.747	.00207	.00593	.10942	.78923	.00389	.13619
#2	26.727	.00100	.00655	.10922	.78860	.00384	.13487
#3	26.725	.00192	.00456	.11094	.78722	.00379	.13566

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00563	18.250	.04744	.02462	.34886	103.06	.71140
SDev	.00012	.122	.00065	.00007	.00096	.38	.00407
%RSD	2.1856	.67099	1.3634	.27220	.27569	.37237	.57178
#1	.00558	18.109	.04671	.02460	.34997	102.62	.71498
#2	.00554	18.314	.04794	.02470	.34836	103.36	.70698
#3	.00577	18.328	.04766	.02457	.34825	103.19	.71225

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.70309	6.8178	.61225	.00917	.06885	2.8339	.01300
SDev	.00257	.0049	.00266	.00044	.00037	.0123	.00076
%RSD	.36513	.07128	.43528	4.7934	.54057	.43254	5.8598
#1	.70348	6.8130	.60917	.00912	.06928	2.8469	.01216
#2	.70035	6.8227	.61383	.00963	.06871	2.8324	.01319
#3	.70544	6.8178	.61375	.00875	.06857	2.8225	.01365

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01043	4.4146	.00414	1.5033	.03967	.00545	1.9286
SDev	.00133	.0210	.00018	.0370	.00073	.00205	.0048
%RSD	12.768	.47470	4.4451	2.4615	1.8326	37.671	.25090
#1	.01099	4.3927	.00394	1.5185	.03995	.00781	1.9230
#2	.01139	4.4167	.00430	1.5303	.04022	.00436	1.9319
#3	.00891	4.4345	.00419	1.4611	.03885	.00417	1.9307

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.17443	.22598	.7068	.0121	.0051
SDev	.00090	.00172	.0029	.0008	.0006
%RSD	.51365	.75933	.4055	6.223	12.39
#1	.17340	.22400	.7082	.0122	.0055
#2	.17497	.22695	.7035	.0128	.0055
#3	.17493	.22698	.7086	.0113	.0044

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Method: EPA Sample Name: 238914L Operator: LKM
Run Time: 07/11/96 19:44:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	5.2397	-.00483	.00277	.02260	.15376	.00084	.02685
SDev	.0322	.00596	.00379	.00198	.00088	.00011	.00172
%RSD	.61436	123.28	136.78	8.7482	.57352	12.778	6.4028
#1	5.2452	-.00227	.00273	.02427	.15411	.00097	.02851
#2	5.2688	-.01165	.00658	.02313	.15442	.00077	.02508
#3	5.2051	-.00059	-.00100	.02042	.15276	.00078	.02696

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00083	3.6729	.00840	.00514	.06792	20.515	.15263
SDev	.00025	.0119	.00024	.00035	.00087	.079	.01012
%RSD	29.917	.32404	2.8851	6.7740	1.2834	.38387	6.6276
#1	.00072	3.6850	.00868	.00512	.06866	20.605	.14790
#2	.00066	3.6612	.00825	.00549	.06813	20.461	.16425
#3	.00112	3.6725	.00827	.00480	.06696	20.478	.14575

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.13913	1.3711	.12094	.00201	.01196	.52817	.00572
SDev	.00436	.0104	.00055	.00042	.00026	.00852	.00922
%RSD	3.1317	.76195	.45629	20.657	2.2037	1.6137	161.16
#1	.14174	1.3783	.12157	.00158	.01166	.53620	.00056
#2	.13410	1.3759	.12055	.00205	.01216	.52907	.01636
#3	.14155	1.3591	.12070	.00241	.01206	.51923	.00023

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	.88268	.00103	.25636	.00655	.00210	.38135
SDev	.00327	.00358	.00038	.05856	.00077	.00116	.00103
%RSD	1499.9	.40567	36.370	22.844	11.689	55.464	.27122
#1	-.00024	.88482	.00141	.21495	.00586	.00187	.38210
#2	-.00348	.88467	.00066	.23077	.00643	.00336	.38178
#3	.00306	.87855	.00102	.32337	.00737	.00107	.38017

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.03445	.04528	.1445	.0025	.0010
SDev	.00034	.00058	.0006	.0015	.0010
%RSD	.98128	1.2800	.4277	60.35	96.44
#1	.03482	.04585	.1447	.0009	.0019
#2	.03415	.04469	.1451	.0038	.0012
#3	.03438	.04530	.1439	.0029	-.0001

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Method: EPA Sample Name: 238914D Operator: LKM
Run Time: 07/11/96 19:49:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	16.391	.00403	.00625	.10203	.62681	.00298	.07063
SDev	.018	.00136	.00058	.00268	.00042	.00011	.00058
%RSD	.11233	33.878	9.2417	2.6313	.06622	3.8104	.81570
#1	16.372	.00277	.00684	.10020	.62645	.00311	.06999
#2	16.391	.00548	.00569	.10511	.62726	.00291	.07110
#3	16.409	.00383	.00623	.10077	.62671	.00291	.07080

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00503	7.6430	.03836	.01979	.29425	87.785	.60205
SDev	.00037	.0071	.00015	.00027	.00085	.024	.00397
%RSD	7.4345	.09300	.39247	1.3716	.28744	.02745	.65979
#1	.00536	7.6467	.03853	.02005	.29403	87.810	.59995
#2	.00511	7.6474	.03828	.01951	.29518	87.783	.60663
#3	.00463	7.6348	.03826	.01981	.29353	87.762	.59957

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.58971	4.1192	.48078	.00779	.05474	2.2011	.00763
SDev	.00189	.0074	.00021	.00060	.00076	.0036	.00271
%RSD	.32124	.17863	.04445	7.6861	1.3862	.16432	35.566
#1	.58807	4.1254	.48070	.00847	.05420	2.1974	.00682
#2	.58928	4.1213	.48102	.00734	.05442	2.2046	.01065
#3	.59178	4.1111	.48061	.00755	.05561	2.2012	.00541

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01042	2.9321	.00358	.85854	.03414	.00669	1.3757
SDev	.00192	.0032	.00028	.09932	.00101	.00049	.0006
%RSD	18.431	.10828	7.8639	11.569	2.9716	7.2799	.04088
#1	.00930	2.9311	.00388	.74704	.03523	.00634	1.3760
#2	.01264	2.9357	.00355	.93753	.03322	.00649	1.3760
#3	.00933	2.9295	.00332	.89106	.03396	.00724	1.3750

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.15012	.20387	.5947	.0103	.0063
SDev	.00026	.00024	.0015	.0022	.0001
%RSD	.17523	.12036	.2607	20.98	1.618
#1	.15018	.20414	.5930	.0093	.0063
#2	.15034	.20367	.5959	.0128	.0063
#3	.14983	.20379	.5953	.0089	.0062

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Method: EPA Sample Name: 2389145 Operator: LKM
Run Time: 07/11/96 19:55:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	20.831	.48187	.48179	.10538	2.6333	.04817	1.1347
SDev	.101	.00470	.00314	.00145	.0129	.00015	.0060
%RSD	.48682	.97650	.65153	1.3720	.48921	.30816	.52569
#1	20.716	.47655	.47942	.10371	2.6185	.04801	1.1282
#2	20.866	.48548	.48535	.10608	2.6395	.04820	1.1361
#3	20.910	.48357	.48059	.10634	2.6419	.04830	1.1398

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.05178	14.100	.23161	.49351	.54158	84.817	.56630
SDev	.00015	.043	.00104	.00122	.00312	.379	.00013
%RSD	.28817	.30558	.44895	.24687	.57548	.44667	.02306
#1	.05162	14.057	.23055	.49213	.53798	84.414	.56637
#2	.05191	14.101	.23167	.49445	.54335	84.870	.56638
#3	.05182	14.143	.23262	.49395	.54340	85.166	.56615

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.56235	9.1369	.95582	.95477	.53777	7.8208	.00933
SDev	.00318	.0428	.00354	.00774	.00202	.0318	.00178
%RSD	.56488	.46842	.37084	.81108	.37553	.40662	19.123
#1	.55935	9.0880	.95197	.94584	.53545	7.7846	.00781
#2	.56201	9.1551	.95654	.95884	.53870	7.8333	.01130
#3	.56568	9.1676	.95895	.95964	.53916	7.8444	.00889

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01586	3.4650	.04570	5.8113	.95558	.03030	2.2441
SDev	.00205	.0089	.00018	.0236	.00413	.00150	.0087
%RSD	12.920	.25548	.39777	.40633	.43195	4.9593	.38742
#1	.01624	3.4552	.04560	5.7841	.95125	.02861	2.2342
#2	.01365	3.4674	.04591	5.8245	.95601	.03084	2.2478
#3	.01769	3.4724	.04560	5.8254	.95947	.03147	2.2504

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.63018	.67561	.5647	.0145	.4826
SDev	.00213	.00388	.0021	.0010	.0035
%RSD	.33819	.57419	.3685	6.695	.7192
#1	.62783	.67113	.5627	.0143	.4793
#2	.63072	.67779	.5645	.0137	.4862
#3	.63198	.67792	.5669	.0156	.4824

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Method: EPA Sample Name: 238915 Operator: LKM
Run Time: 07/11/96 20:00:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	107.04	-.00503	.00168	.02493	1.1397	.01049	1.0875
SDev	.19	.00437	.00164	.00229	.0022	.00002	.0028
%RSD	.17622	86.911	97.283	9.1770	.19014	.17407	.26163
#1	107.10	-.00213	.00349	.02362	1.1412	.01051	1.0850
#2	106.83	-.01006	.00127	.02757	1.1372	.01047	1.0869
#3	107.19	-.00290	.00029	.02359	1.1407	.01048	1.0906

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00871	304.72	.40209	.04066	.55636	89.485	.26019
SDev	.00041	1.26	.00189	.00055	.00093	.246	.00264
%RSD	4.7336	.41351	.47106	1.3455	.16702	.27532	1.0127
#1	.00833	303.35	.39994	.04113	.55668	89.211	.25783
#2	.00866	305.00	.40279	.04006	.55531	89.553	.26303
#3	.00915	305.82	.40353	.04078	.55708	89.689	.25972

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.26852	116.29	5.3361	.02438	.27464	8.5871	.00273
SDev	.00210	.18	.0177	.00039	.00300	.0359	.00219
%RSD	.78284	.15212	.33174	1.6046	1.0930	.41765	79.953
#1	.26749	116.15	5.3179	.02475	.27229	8.6226	.00522
#2	.26713	116.24	5.3369	.02397	.27362	8.5509	.00189
#3	.27094	116.49	5.3533	.02443	.27802	8.5877	.00110

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00353	15.653	.00381	6.1932	.01799	.00410	6.1053
SDev	.00370	.222	.00003	.0114	.00396	.00321	.0121
%RSD	104.79	1.4169	.66611	.18414	21.989	78.241	.19804
#1	.00261	15.428	.00380	6.1801	.02255	.00600	6.0974
#2	.00038	15.660	.00384	6.1982	.01590	.00590	6.0992
#3	.00761	15.872	.00379	6.2012	.01551	.00040	6.1192

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.21021	.42867	.2667	.0041	.0002
SDev	.00103	.00202	.0015	.0023	.0021
%RSD	.48772	.47197	.5489	55.41	891.8
#1	.20918	.42671	.2652	.0043	.0025
#2	.21023	.42854	.2667	.0017	-.0017
#3	.21123	.43075	.2682	.0063	-.0000

Method: EPA Sample Name: 238916 Operator: LKM
Run Time: 07/11/96 20:05:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	44.956	.00239	.00196	.11250	.92497	.00299	.69668
SDev	.199	.00080	.00211	.00270	.00317	.00003	.00498
%RSD	.44220	33.497	107.69	2.4013	.34326	1.0143	.71558
#1	44.798	.00312	.00429	.11353	.92367	.00301	.69233
#2	44.890	.00153	.00018	.10943	.92264	.00301	.69560
#3	45.179	.00253	.00141	.11453	.92858	.00295	.70212

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00882	44.462	.20035	.05138	.59982	208.70	1.7594
SDev	.00024	.198	.00110	.00022	.00174	.82	.0042
%RSD	2.7765	.44455	.54997	.43563	.28983	.39309	.24080
#1	.00865	44.343	.19954	.05145	.59821	208.35	1.7569
#2	.00871	44.353	.19991	.05156	.59959	208.11	1.7569
#3	.00910	44.690	.20160	.05113	.60167	209.64	1.7642

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.7524	27.845	2.6762	.01571	.21935	4.5680	.00896
SDev	.0063	.125	.0099	.00025	.00104	.0172	.00154
%RSD	.36045	.44810	.36950	1.5879	.47285	.37627	17.245
#1	1.7458	27.743	2.6707	.01577	.21828	4.5532	.00776
#2	1.7530	27.807	2.6703	.01593	.22035	4.5640	.01070
#3	1.7584	27.984	2.6876	.01544	.21942	4.5868	.00842

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00717	1.0681	.00335	1.9727	.06968	.01689	2.2648
SDev	.00256	.0250	.00009	.1065	.00153	.00220	.0081
%RSD	35.717	2.3384	2.5522	5.4002	2.2016	13.004	.35580
#1	.00550	1.0968	.00340	1.8816	.06992	.01919	2.2601
#2	.01012	1.0556	.00340	2.0898	.07108	.01665	2.2601
#3	.00589	1.0519	.00325	1.9468	.06804	.01482	2.2741

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.50421	.85765	1.756	.0086	.0029
SDev	.00142	.00250	.005	.0022	.0017
%RSD	.28138	.29127	.3125	25.78	58.66
#1	.50380	.85586	1.750	.0071	.0047
#2	.50304	.85658	1.755	.0112	.0014
#3	.50578	.86050	1.761	.0076	.0026

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Method: EPA Sample Name: CCV_ Operator: LKM
Run Time: 07/11/96 20:11:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	5.0355	.99613	.99418	.99713	5.1524	.12301	2.5032
SDev	.0387	.00305	.00782	.00260	.0382	.00067	.0208
%RSD	.76760	.30632	.78651	.26063	.74133	.54081	.83259
#1	5.0798	.99599	1.0029	1.0001	5.1958	.12373	2.5271
#2	5.0085	.99315	.98784	.99515	5.1236	.12289	2.4943
#3	5.0181	.99925	.99178	.99617	5.1379	.12242	2.4884

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.49530	12.277	.49187	1.2360	.62590	2.4739	1.0057
SDev	.00263	.072	.00203	.0075	.00468	.0270	.0053
%RSD	.53135	.59012	.41274	.60455	.74825	1.0927	.52265
#1	.49815	12.351	.49381	1.2447	.63123	2.5024	1.0114
#2	.49480	12.273	.49203	1.2319	.62246	2.4707	1.0010
#3	.49296	12.206	.48976	1.2316	.62401	2.4486	1.0046

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.99198	12.547	1.2444	2.4660	1.2381	12.996	1.0036
SDev	.00314	.100	.0071	.0135	.0096	.074	.0039
%RSD	.31639	.79431	.57061	.54611	.77776	.57140	.38796
#1	.99279	12.662	1.2523	2.4812	1.2486	13.071	1.0034
#2	.98852	12.485	1.2421	2.4615	1.2361	12.923	.99980
#3	.99464	12.494	1.2387	2.4554	1.2297	12.993	1.0076

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99658	2.5347	.62337	12.419	2.4338	1.0025	2.5320
SDev	.00476	.0232	.00313	.073	.0164	.0040	.0168
%RSD	.47779	.91354	.50238	.58753	.67247	.40008	.66203
#1	1.0018	2.5615	.62691	12.499	2.4521	1.0058	2.5513
#2	.99259	2.5213	.62228	12.401	2.4287	.99805	2.5242
#3	.99528	2.5215	.62093	12.357	2.4206	1.0036	2.5206

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.2439	1.2616	.9975	.9997	.9956
SDev	.0081	.0076	.0034	.0037	.0056
%RSD	.64893	.60539	.3366	.3673	.5608
#1	1.2532	1.2696	1.000	1.003	1.001
#2	1.2393	1.2610	.9937	.9958	.9903
#3	1.2392	1.2544	.9989	1.000	.9950

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Method: EPA Sample Name: CCB Operator: LKM
Run Time: 07/11/96 20:16:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.00704	.00039	.00024	.00345	.00053	.00013	.00047
SDev	.00099	.00077	.00094	.00056	.00012	.00002	.00004
%RSD	14.048	194.82	389.14	16.313	22.514	16.132	7.6256
#1	-.00651	-.00044	.00132	.00293	.00066	.00010	.00044
#2	-.00818	.00055	-.00020	.00337	.00049	.00014	.00051
#3	-.00643	.00107	-.00040	.00405	.00043	.00014	.00046

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00015	.00140	-.00129	.00028	.00059	-.01430	.00051
SDev	.00022	.00136	.00021	.00046	.00038	.00533	.00352
%RSD	144.24	97.454	16.351	162.10	65.196	37.255	697.77
#1	-.00021	.00238	-.00147	.00067	.00102	-.01375	-.00319
#2	.00009	.00197	-.00106	.00041	.00046	-.00927	.00086
#3	-.00034	-.00016	-.00133	-.00023	.00029	-.01989	.00384

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00013	-.00595	-.00031	.00370	-.00242	.00489	.00415
SDev	.00108	.00157	.00012	.00197	.00032	.00083	.00341
%RSD	813.47	26.428	39.233	53.305	13.063	17.045	82.033
#1	.00131	-.00505	-.00041	.00568	-.00207	.00508	.00767
#2	-.00009	-.00503	-.00017	.00369	-.00251	.00398	.00087
#3	-.00082	-.00776	-.00033	.00173	-.00268	.00561	.00391

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	.01136	.00002	-.12396	.00016	.00075	.00072
SDev	.00106	.00357	.00014	.03778	.00131	.00227	.00038
%RSD	559.69	31.398	678.63	30.475	814.90	304.27	53.758
#1	.00023	.01517	.00007	-.16032	.00165	.00335	.00113
#2	.00060	.01082	.00013	-.12665	-.00039	-.00087	.00065
#3	-.00140	.00810	-.00014	-.08491	-.00078	-.00023	.00037

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00011	.0011	.0021	.0011
SDev	.00051	.00013	.0005	.0013	.0004
%RSD	542.34	110.61	42.58	61.04	34.50
#1	-.00039	.00011	.0006	.0035	.0016
#2	.00049	-.00001	.0010	.0015	.0009
#3	-.00039	.00024	.0016	.0012	.0009

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Method: EPA Sample Name: 238917 Operator: LKM
Run Time: 07/11/96 20:22:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	37.114	-.00302	.00161	.02847	.47805	.00215	.54630
SDev	.025	.00208	.00305	.00065	.00027	.00013	.00310
%RSD	.06847	68.722	189.84	2.2937	.05580	5.9201	.56748
#1	37.092	-.00493	.00456	.02923	.47835	.00230	.54941
#2	37.108	-.00333	.00179	.02808	.47790	.00207	.54627
#3	37.142	-.00081	-.00153	.02811	.47788	.00208	.54321

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00889	51.451	.08758	.04207	.44204	100.06	.68276
SDev	.00014	.056	.00042	.00032	.00042	.10	.00216
%RSD	1.5819	.10887	.48257	.77170	.09592	.09507	.31684
#1	.00904	51.393	.08786	.04200	.44213	100.06	.68269
#2	.00886	51.504	.08779	.04242	.44240	100.16	.68496
#3	.00876	51.455	.08709	.04179	.44157	99.969	.68063

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.67926	28.278	1.3728	.00657	.11719	2.6506	.00256
SDev	.00439	.030	.0011	.00032	.00118	.0038	.00507
%RSD	.64625	.10681	.08215	4.8459	1.0084	.14469	197.83
#1	.67423	28.251	1.3719	.00632	.11814	2.6542	.00018
#2	.68234	28.311	1.3740	.00646	.11756	2.6511	-.00088
#3	.68120	28.272	1.3725	.00693	.11587	2.6466	.00838

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00786	1.6379	.00662	2.8373	.03197	.00838	4.6937
SDev	.00309	.0032	.00028	.0672	.00045	.00066	.0028
%RSD	39.305	.19419	4.2305	2.3670	1.4086	7.8616	.05963
#1	.00435	1.6342	.00692	2.9143	.03185	.00913	4.6905
#2	.00907	1.6399	.00637	2.8068	.03247	.00793	4.6958
#3	.01016	1.6395	.00657	2.7909	.03159	.00807	4.6947

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.28195	.38181	.6813	.0069	.0008
SDev	.00060	.00068	.0031	.0033	.0014
%RSD	.21351	.17948	.4599	47.84	162.9
#1	.28151	.38111	.6779	.0038	.0021
#2	.28263	.38185	.6840	.0066	.0009
#3	.28169	.38248	.6819	.0104	-.0006

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Method: EPA Sample Name: 238918 Operator: LKM
Run Time: 07/11/96 20:27:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	23.577	-.00023	.00307	.21900	.72213	.00170	.06009
SDev	.044	.00138	.00106	.00164	.00137	.00012	.00137
%RSD	.18638	605.48	34.489	.74906	.18952	7.0442	2.2747
#1	23.592	-.00179	.00387	.22065	.72322	.00181	.06163
#2	23.527	.00083	.00187	.21896	.72059	.00157	.05902
#3	23.611	.00028	.00347	.21737	.72257	.00172	.05962

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00109	2.8257	.16303	.02456	.12351	127.93	1.0581
SDev	.00008	.0040	.00037	.00068	.00033	.07	.0028
%RSD	6.9471	.14206	.22715	2.7529	.26671	.05478	.26757
#1	.00110	2.8216	.16334	.02438	.12388	127.88	1.0557
#2	.00116	2.8260	.16262	.02399	.12324	127.90	1.0612
#3	.00101	2.8296	.16312	.02530	.12342	128.01	1.0573

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.0524	10.610	.69847	.00520	.10729	6.0475	.00571
SDev	.0010	.022	.00064	.00023	.00040	.0209	.00313
%RSD	.09493	.20616	.09214	4.3896	.37363	.34572	54.736
#1	1.0533	10.619	.69798	.00501	.10710	6.0604	.00846
#2	1.0527	10.585	.69823	.00545	.10701	6.0233	.00636
#3	1.0513	10.626	.69920	.00515	.10775	6.0586	.00231

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00762	1.0750	.00189	.65626	.03503	.00983	1.0357
SDev	.00101	.0025	.00016	.01972	.00163	.00341	.0015
%RSD	13.308	.23193	8.7235	3.0048	4.6555	34.707	.14631
#1	.00833	1.0768	.00186	.67355	.03374	.00715	1.0358
#2	.00807	1.0722	.00174	.63478	.03686	.00867	1.0342
#3	.00646	1.0761	.00207	.66043	.03448	.01367	1.0372

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.12696	.26657	1.055	.0078	.0028
SDev	.00063	.00038	.001	.0017	.0005
%RSD	.49393	.14238	.1074	21.45	17.96
#1	.12624	.26700	1.055	.0091	.0028
#2	.12724	.26634	1.057	.0083	.0022
#3	.12740	.26635	1.054	.0059	.0032

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Method: EPA Sample Name: 238919 Operator: LKM
Run Time: 07/11/96 20:32:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	18.784	.01023	.01347	.33120	1.0874	.00307	.14366
SDev	.031	.00169	.00168	.00245	.0011	.00005	.00191
%RSD	.16481	16.519	12.500	.73875	.09699	1.6837	1.3271
#1	18.756	.00830	.01395	.32841	1.0866	.00311	.14567
#2	18.817	.01094	.01160	.33222	1.0886	.00301	.14187
#3	18.779	.01144	.01486	.33298	1.0870	.00309	.14344

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00421	22.774	.07841	.02905	.28727	135.60	.94683
SDev	.00023	.016	.00044	.00057	.00099	.08	.00776
%RSD	5.4397	.06808	.55451	1.9465	.34431	.05929	.81935
#1	.00419	22.772	.07891	.02967	.28745	135.52	.94436
#2	.00446	22.760	.07820	.02856	.28816	135.60	.95552
#3	.00400	22.791	.07811	.02893	.28620	135.68	.94060

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.93970	11.665	1.0471	.03094	.07488	3.8340	.03518
SDev	.00612	.017	.0006	.00061	.00021	.0090	.00168
%RSD	.65129	.14971	.05428	1.9602	.27875	.23509	4.7726
#1	.93275	11.663	1.0477	.03088	.07503	3.8251	.03365
#2	.94428	11.683	1.0466	.03037	.07464	3.8431	.03490
#3	.94208	11.648	1.0471	.03158	.07497	3.8337	.03697

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03781	2.2731	.00204	1.7861	.04569	.01316	1.8658
SDev	.00088	.0037	.00003	.0382	.00171	.00253	.0006
%RSD	2.3297	.16340	1.5889	2.1397	3.7400	19.207	.03239
#1	.03688	2.2689	.00208	1.7660	.04689	.01048	1.8663
#2	.03863	2.2760	.00203	1.8302	.04374	.01550	1.8651
#3	.03793	2.2743	.00202	1.7622	.04645	.01351	1.8661

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.14719	.29604	.9431	.0378	.0132
SDev	.00021	.00051	.0057	.0010	.0012
%RSD	.14239	.17266	.6063	2.611	9.102
#1	.14712	.29594	.9377	.0366	.0129
#2	.14703	.29660	.9491	.0382	.0122
#3	.14743	.29559	.9426	.0384	.0146

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Method: EPA Sample Name: 238920 Operator: LKM
Run Time: 07/11/96 20:38:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	14.447	.00213	.00332	.15719	.73150	.00130	.01860
SDev	.007	.00072	.00033	.00046	.00068	.00001	.00055
%RSD	.04748	33.732	9.9136	.29122	.09359	.73500	2.9531
#1	14.453	.00296	.00330	.15764	.73154	.00131	.01796
#2	14.439	.00169	.00365	.15672	.73080	.00130	.01890
#3	14.449	.00174	.00300	.15720	.73217	.00129	.01893

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00092	1.1590	.05916	.01914	.16357	153.56	1.5216
SDev	.00046	.0028	.00007	.00056	.00068	.25	.0037
%RSD	50.257	.24185	.12760	2.9226	.41549	.16550	.24642
#1	.00142	1.1559	.05921	.01863	.16435	153.34	1.5257
#2	.00052	1.1614	.05907	.01905	.16324	153.51	1.5182
#3	.00081	1.1597	.05920	.01974	.16311	153.84	1.5210

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.5063	5.3134	.59116	.00541	.09837	3.7195	.00714
SDev	.0060	.0090	.00132	.00017	.00159	.0015	.00061
%RSD	.39730	.16960	.22380	3.1774	1.6109	.04051	8.5854
#1	1.4994	5.3099	.59015	.00558	.10003	3.7208	.00771
#2	1.5090	5.3066	.59066	.00524	.09687	3.7198	.00649
#3	1.5104	5.3236	.59266	.00541	.09821	3.7179	.00722

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00899	1.1471	.00029	.95749	.03182	.01297	.93211
SDev	.00232	.0041	.00014	.06566	.00114	.00116	.00117
%RSD	25.790	.35993	48.457	6.8578	3.5976	8.9658	.12547
#1	.00763	1.1482	.00013	.99627	.03282	.01278	.93094
#2	.01167	1.1425	.00040	.88168	.03207	.01422	.93211
#3	.00767	1.1505	.00035	.99453	.03057	.01192	.93328

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.06664	.16554	1.512	.0092	.0037
SDev	.00048	.00080	.003	.0014	.0003
%RSD	.72597	.48149	.1954	15.18	7.306
#1	.06714	.16504	1.509	.0085	.0039
#2	.06618	.16513	1.513	.0108	.0038
#3	.06661	.16646	1.515	.0082	.0034

Method: EPA Sample Name: CRI Operator: LKM
Run Time: 07/11/96 20:43:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.00277	.11875	.12044	.02252	.00017	.01048	.00010
SDev	.00344	.00057	.00077	.00165	.00003	.00004	.00020
%RSD	124.19	.48050	.64236	7.3262	19.019	.36212	196.26
#1	.00090	.11941	.11985	.02170	.00015	.01047	.00026
#2	-.00592	.11849	.12016	.02442	.00015	.01052	-.00012
#3	-.00328	.11836	.12132	.02144	.00021	.01044	.00016

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01067	-.00120	.01968	.10705	.05390	.00383	.01029
SDev	.00036	.00011	.00026	.00013	.00028	.01176	.00151
%RSD	3.3372	8.7698	1.3088	.12494	.51036	306.73	14.719
#1	.01027	-.00117	.01977	.10715	.05415	.01649	.01009
#2	.01080	-.00111	.01989	.10690	.05360	.00178	.01189
#3	.01094	-.00132	.01939	.10710	.05394	-.00676	.00888

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00601	-.00482	.03165	.00030	.08325	.00196	.01134
SDev	.00125	.00108	.00003	.00056	.00133	.00532	.00313
%RSD	20.864	22.332	.08003	189.91	1.5958	271.15	27.576
#1	.00470	-.00578	.03168	.00080	.08244	.00184	.00972
#2	.00720	-.00502	.03164	.00040	.08478	.00734	.01494
#3	.00611	-.00366	.03163	-.00031	.08252	-.00330	.00936

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01041	.00989	.02128	-.02415	-.00220	.02167	.00028
SDev	.00338	.00289	.00035	.01514	.00124	.00169	.00014
%RSD	32.441	29.223	1.6331	62.704	56.027	7.7926	50.309
#1	.01152	.01320	.02167	-.04002	-.00360	.02129	.00030
#2	.00662	.00789	.02100	-.00985	-.00126	.02020	.00040
#3	.01309	.00857	.02116	-.02258	-.00175	.02351	.00013

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.10277	.04362	.0084	.0115	.1207
SDev	.00037	.00026	.0012	.0012	.0004
%RSD	.36001	.60360	14.12	10.76	.3274
#1	.10255	.04370	.0074	.0117	.1205
#2	.10319	.04383	.0097	.0102	.1204
#3	.10256	.04332	.0080	.0127	.1212

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Method: EPA Sample Name: ICSA Operator: LKM
Run Time: 07/11/96 20:49:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	427.43	.00042	-.00485	.00175	-.00153	.00148	-.00004
SDev	.63	.00229	.00189	.00625	.00001	.00009	.00017
%RSD	.14766	549.06	38.965	357.85	.33054	6.0485	461.29
#1	426.77	.00275	-.00698	-.00462	-.00153	.00158	-.00012
#2	428.03	.00034	-.00341	.00788	-.00153	.00142	.00016
#3	427.50	-.00183	-.00414	.00198	-.00154	.00143	-.00015

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00504	432.56	-.00048	.00106	.00061	185.84	.00024
SDev	.00037	1.02	.00045	.00056	.00026	.26	.00225
%RSD	7.3025	.23694	94.543	52.237	41.538	.13891	935.69
#1	.00508	431.44	-.00002	.00107	.00091	185.55	.00226
#2	.00538	432.81	-.00092	.00051	.00046	185.94	.00065
#3	.00465	433.44	-.00048	.00162	.00047	186.04	-.00219

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00396	469.90	-.00572	-.00059	.00102	.00454	.00127
SDev	.00248	.90	.00014	.00161	.00013	.00432	.00486
%RSD	62.575	.19141	2.4711	271.29	12.452	95.031	381.33
#1	.00660	469.20	-.00557	.00046	.00089	.00947	.00614
#2	.00169	470.92	-.00585	.00020	.00104	.00139	.00126
#3	.00359	469.59	-.00573	-.00244	.00114	.00277	-.00358

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00023	.03630	.00014	.10390	-.00018	.01002	-.00060
SDev	.00152	.00286	.00020	.17248	.00386	.00304	.00011
%RSD	674.98	7.8812	149.80	166.00	2197.4	30.332	18.684
#1	.00152	.03941	.00033	.26711	.00356	.01106	-.00054
#2	-.00091	.03377	-.00008	-.07655	-.00415	.01240	-.00073
#3	-.00128	.03574	.00015	.12115	.00007	.00660	-.00053

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00068	.00296	.0037	.0011	-.0022
SDev	.00084	.00042	.0021	.0025	.0008
%RSD	122.16	14.130	56.78	223.3	34.14
#1	.00026	.00319	.0062	.0038	-.0028
#2	-.00097	.00247	.0023	.0007	-.0014
#3	-.00134	.00321	.0027	-.0012	-.0025

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Method: EPA Sample Name: ICSAB Operator: LKM
Run Time: 07/11/96 20:54:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	426.84	.59683	.58518	.10143	.54703	.46301	.00282
SDev	1.15	.00281	.00452	.00427	.00034	.00104	.00074
%RSD	.26826	.47113	.77297	4.2090	.06240	.22472	26.121
#1	425.91	.59418	.58781	.10391	.54692	.46183	.00358
#2	426.50	.59654	.57995	.09650	.54675	.46342	.00211
#3	428.12	.59978	.58776	.10389	.54741	.46378	.00278

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.92393	428.83	.47446	.47044	.56340	184.64	.04510
SDev	.00290	1.39	.00168	.00200	.00039	.46	.00266
%RSD	.31414	.32469	.35395	.42535	.06849	.24793	5.9051
#1	.92113	427.24	.47252	.46846	.56346	184.12	.04816
#2	.92372	429.36	.47531	.47038	.56299	184.84	.04384
#3	.92692	429.87	.47554	.47246	.56376	184.97	.04331

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.05080	464.90	.48076	.00268	.92914	.01301	.04468
SDev	.00071	.96	.00130	.00239	.00217	.00204	.01136
%RSD	1.3877	.20746	.26957	89.354	.23339	15.687	25.430
#1	.05062	463.89	.47928	.00470	.92905	.01532	.05414
#2	.05021	464.98	.48128	.00330	.92701	.01146	.03208
#3	.05158	465.82	.48171	.00003	.93135	.01224	.04782

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04794	.04317	.21557	.06528	.00579	.09591	.00103
SDev	.00509	.00161	.00017	.03378	.00337	.00423	.00011
%RSD	10.613	3.7197	.08050	51.745	58.304	4.4061	10.136
#1	.04213	.04490	.21537	.06289	.00775	.09471	.00108
#2	.05005	.04291	.21569	.10020	.00772	.10061	.00110
#3	.05162	.04172	.21565	.03276	.00189	.09242	.00091

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.49083	.97934	.0500	.0477	.5900
SDev	.00124	.00237	.0009	.0032	.0032
%RSD	.25239	.24160	1.726	6.594	.5485
#1	.48952	.97664	.0509	.0470	.5908
#2	.49099	.98106	.0492	.0450	.5864
#3	.49198	.98031	.0500	.0511	.5927

Method: EPA Sample Name: CCV Operator: LKM
Run Time: 07/11/96 20:59:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	5.0343	.98912	.99123	.98735	5.1205	.12236	2.4837
SDev	.0094	.00413	.00258	.00044	.0032	.00030	.0005
%RSD	.18625	.41751	.26067	.04509	.06305	.24624	.01863
#1	5.0444	.98483	.99037	.98686	5.1227	.12202	2.4833
#2	5.0326	.99307	.99413	.98749	5.1220	.12246	2.4842
#3	5.0259	.98945	.98918	.98771	5.1168	.12259	2.4838

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.49391	12.231	.48856	1.2291	.62159	2.4383	.99993
SDev	.00142	.038	.00116	.0015	.00043	.0132	.00183
%RSD	.28663	.31019	.23672	.12219	.06931	.54210	.18310
#1	.49345	12.189	.48748	1.2275	.62181	2.4395	1.0020
#2	.49278	12.240	.48842	1.2293	.62186	2.4246	.99868
#3	.49550	12.263	.48978	1.2305	.62109	2.4509	.99908

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.99001	12.403	1.2370	2.4623	1.2300	12.914	.99660
SDev	.00357	.016	.0026	.0138	.0017	.031	.00309
%RSD	.36086	.12637	.21288	.55896	.14019	.24316	.30958
#1	.98601	12.385	1.2342	2.4503	1.2282	12.932	.99968
#2	.99113	12.411	1.2374	2.4591	1.2303	12.932	.99662
#3	.99288	12.413	1.2395	2.4773	1.2316	12.877	.99351

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99032	2.5076	.61741	12.244	2.4065	.99297	2.5165
SDev	.01107	.0038	.00056	.076	.0047	.00569	.0020
%RSD	1.1179	.15134	.09026	.61674	.19355	.57343	.07951
#1	.98172	2.5049	.61706	12.330	2.4019	.98654	2.5142
#2	1.0028	2.5119	.61806	12.190	2.4064	.99498	2.5178
#3	.98642	2.5059	.61712	12.212	2.4112	.99737	2.5176

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.2352	1.2562	.9943	.9932	.9913
SDev	.0014	.0027	.0019	.0072	.0028
%RSD	.11735	.21181	.1889	.7290	.2867
#1	1.2353	1.2536	.9923	.9885	.9894
#2	1.2336	1.2561	.9947	1.002	.9946
#3	1.2365	1.2589	.9960	.9896	.9901

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Method: EPA Sample Name: CCB Operator: LKM
Run Time: 07/11/96 21:05:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	.00299	.00027	.00168	.00296	.00057	.00013	-.00006
SDev	.00354	.00205	.00124	.00092	.00014	.00006	.00033
%RSD	118.34	756.26	73.743	30.944	25.310	48.042	526.93
#1	.00611	-.00059	.00226	.00335	.00072	.00017	.00005
#2	.00370	-.00121	.00026	.00362	.00055	.00015	-.00043
#3	-.00085	.00261	.00252	.00191	.00043	.00006	.00019

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00006	.00768	-.00105	.00007	.00059	-.01797	.00132
SDev	.00006	.00259	.00037	.00060	.00029	.01104	.00040
%RSD	99.008	33.689	34.669	875.84	48.554	61.433	30.147
#1	.00012	.00967	-.00092	.00054	.00072	-.00522	.00119
#2	.00004	.00863	-.00078	.00028	.00026	-.02437	.00177
#3	.00001	.00475	-.00147	-.00061	.00080	-.02431	.00101

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00043	.00409	-.00041	.00342	-.00228	.00401	.00349
SDev	.00052	.00390	.00000	.00224	.00079	.00728	.00277
%RSD	121.26	95.316	.11524	65.381	34.690	181.65	79.488
#1	.00018	.00730	-.00041	.00600	-.00207	.01063	.00267
#2	.00009	.00523	-.00041	.00205	-.00162	.00518	.00658
#3	.00104	-.00025	-.00041	.00221	-.00316	-.00379	.00122

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00142	.00649	.00002	-.07418	-.00019	.00138	.00058
SDev	.00081	.00129	.00000	.13354	.00267	.00090	.00049
%RSD	57.317	19.932	1.3270	180.03	1379.5	65.364	83.999
#1	.00124	.00715	.00002	.04750	-.00029	.00232	.00110
#2	.00231	.00731	.00002	-.05299	.00252	.00052	.00051
#3	.00071	.00500	.00002	-.21704	-.00281	.00129	.00013

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00020	.00016	.0016	.0029	.0019
SDev	.00030	.00007	.0003	.0015	.0014
%RSD	146.59	44.965	17.11	49.99	72.19
#1	.00021	.00024	.0013	.0025	.0020
#2	.00049	.00011	.0015	.0046	.0005
#3	-.00010	.00012	.0018	.0017	.0033

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Method: EPA Sample Name: 238921 Operator: LKM
Run Time: 07/11/96 21:10:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	20.158	.00089	.00731	.02211	.29359	.00178	.14943
SDev	.039	.00033	.00112	.00221	.00026	.00005	.00038
%RSD	.19191	36.493	15.386	9.9790	.09037	2.7929	.25769
#1	20.113	.00097	.00800	.02292	.29329	.00174	.14928
#2	20.181	.00117	.00601	.02381	.29370	.00183	.14986
#3	20.179	.00054	.00790	.01962	.29378	.00177	.14913

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01303	32.728	.19839	.02143	.65597	79.969	1.1570
SDev	.00024	.062	.00101	.00082	.00114	.163	.0106
%RSD	1.8260	.18997	.50636	3.8065	.17386	.20327	.91809
#1	.01305	32.750	.19895	.02182	.65501	80.013	1.1481
#2	.01278	32.775	.19898	.02197	.65723	80.104	1.1540
#3	.01326	32.657	.19723	.02049	.65568	79.789	1.1687

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.1367	14.433	1.1688	.00786	.12371	1.8295	.00029
SDev	.0064	.022	.0021	.00054	.00047	.0034	.00728
%RSD	.56549	.15293	.17581	6.8466	.38025	.18512	2490.4
#1	1.1297	14.415	1.1689	.00831	.12365	1.8260	.00652
#2	1.1423	14.458	1.1708	.00800	.12422	1.8328	-.00771
#3	1.1381	14.426	1.1667	.00726	.12328	1.8298	.00207

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00386	1.6968	.00667	1.5500	.40359	.00455	3.4755
SDev	.00108	.0064	.00025	.1023	.00121	.00370	.0042
%RSD	27.875	.37506	3.7299	6.6012	.30055	81.216	.12174
#1	.00506	1.6897	.00692	1.6069	.40225	.00188	3.4738
#2	.00355	1.6989	.00666	1.6111	.40462	.00877	3.4803
#3	.00298	1.7019	.00642	1.4319	.40390	.00301	3.4724

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.09762	1.0252	1.144	.0035	.0059
SDev	.00044	.0019	.007	.0029	.0007
%RSD	.44778	.18153	.5834	81.91	12.05
#1	.09764	1.0245	1.137	.0064	.0065
#2	.09806	1.0273	1.147	.0006	.0051
#3	.09718	1.0238	1.149	.0035	.0062

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Method: EPA Sample Name: 238922 Operator: LKM
Run Time: 07/11/96 21:16:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	50.872	.00242	.00526	.03822	.85822	.00311	.06098
SDev	.054	.00023	.00186	.00253	.00075	.00006	.00069
%RSD	.10535	9.3266	35.473	6.6179	.08697	2.0523	1.1275
#1	50.882	.00268	.00484	.04109	.85879	.00305	.06177
#2	50.814	.00232	.00363	.03632	.85738	.00317	.06058
#3	50.919	.00226	.00729	.03725	.85850	.00310	.06058

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00789	21.977	.13094	.04660	3.1435	184.31	1.5462
SDev	.00011	.016	.00044	.00072	.0031	.04	.0103
%RSD	1.4166	.07072	.33865	1.5386	.09965	.02091	.66764
#1	.00789	21.959	.13046	.04715	3.1458	184.33	1.5344
#2	.00778	21.982	.13133	.04687	3.1400	184.33	1.5507
#3	.00800	21.988	.13104	.04579	3.1448	184.27	1.5536

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.5395	28.236	3.6531	.00522	.33609	7.5572	.00327
SDev	.0115	.018	.0028	.00121	.00082	.0115	.00626
%RSD	.74953	.06395	.07606	23.131	.24451	.15212	191.51
#1	1.5262	28.251	3.6499	.00559	.33569	7.5689	.01043
#2	1.5467	28.216	3.6548	.00387	.33703	7.5460	-.00113
#3	1.5457	28.240	3.6546	.00620	.33554	7.5567	.00050

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00678	3.5085	.00525	.97898	.18992	.01441	1.4546
SDev	.00080	.0130	.00040	.06912	.00210	.00056	.0004
%RSD	11.762	.36996	7.6488	7.0600	1.1079	3.8879	.02968
#1	.00757	3.4950	.00564	.95359	.19189	.01493	1.4549
#2	.00679	3.5095	.00528	.92615	.18770	.01382	1.4541
#3	.00598	3.5209	.00484	1.0572	.19016	.01448	1.4548

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.09618	2.7944	1.543	.0065	.0052
SDev	.00002	.0035	.011	.0025	.0012
%RSD	.02433	.12600	.7209	39.14	23.72
#1	.09617	2.7919	1.530	.0094	.0050
#2	.09621	2.7985	1.549	.0050	.0040
#3	.09616	2.7929	1.549	.0050	.0065

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Method: EPA Sample Name: 238923 Operator: LKM
Run Time: 07/11/96 21:21:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	54.809	-.00746	.00274	.02107	.76364	.00235	2.4185
SDev	1.828	.00279	.00095	.00101	.02757	.00004	.0718
%RSD	3.3355	37.480	34.683	4.8010	3.6108	1.6401	2.9699
#1	55.950	-.00777	.00173	.02044	.78078	.00237	2.4584
#2	52.700	-.01008	.00287	.02224	.73184	.00237	2.3356
#3	55.776	-.00452	.00362	.02054	.77832	.00230	2.4616

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01117	77.585	.14977	.06148	.75335	135.99	.72797
SDev	.00084	.929	.00113	.00054	.02831	2.81	.01412
%RSD	7.4991	1.1976	.75377	.87517	3.7576	2.0637	1.9400
#1	.01214	77.957	.15005	.06104	.77156	137.47	.73925
#2	.01070	76.528	.14853	.06133	.72073	132.75	.71213
#3	.01068	78.271	.15074	.06208	.76774	137.74	.73251

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.72150	43.358	2.1648	.00776	.16421	3.3659	.00130
SDev	.01672	1.327	.0415	.00081	.00196	.1140	.00227
%RSD	2.3168	3.0598	1.9188	10.436	1.1904	3.3862	174.29
#1	.73063	44.175	2.1865	.00683	.16487	3.4453	.00043
#2	.70221	41.827	2.1169	.00832	.16201	3.2353	.00387
#3	.73167	44.071	2.1911	.00814	.16574	3.4171	-.00040

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00602	2.1761	.03360	3.7288	.04053	.01313	6.9426
SDev	.00140	.0506	.00018	.1475	.00214	.00261	.1819
%RSD	23.253	2.3262	.54412	3.9545	5.2875	19.863	2.6205
#1	.00446	2.2088	.03376	3.7867	.04065	.01111	7.0542
#2	.00715	2.1178	.03364	3.8385	.04261	.01221	6.7327
#3	.00646	2.2017	.03340	3.5611	.03833	.01608	7.0410

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.22852	.69732	.7247	.0052	.0002
SDev	.00411	.01272	.0158	.0014	.0014
%RSD	1.7975	1.8246	2.174	27.03	762.3
#1	.23067	.70415	.7346	.0040	-.0006
#2	.22378	.68264	.7065	.0068	-.0006
#3	.23110	.70517	.7330	.0050	.0018

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Method: EPA Sample Name: 238924 Operator: LKM
Run Time: 07/11/96 21:26:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	33.804	.00030	.00395	.15312	1.8757	.00257	.44106
SDev	.127	.00254	.00225	.00117	.0087	.00003	.00176
%RSD	.37453	855.46	57.012	.76468	.46169	1.3793	.39848
#1	33.949	.00128	.00210	.15242	1.8857	.00260	.44237
#2	33.718	.00219	.00330	.15447	1.8704	.00258	.43906
#3	33.744	-.00259	.00646	.15248	1.8711	.00253	.44175

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.09194	28.375	.32928	.03665	2.9874	126.74	1.7081
SDev	.00085	.011	.00023	.00023	.0158	.25	.0028
%RSD	.92492	.03705	.06858	.64012	.52917	.19507	.16313
#1	.09256	28.387	.32918	.03681	3.0054	127.02	1.7109
#2	.09228	28.373	.32953	.03677	2.9759	126.65	1.7053
#3	.09097	28.366	.32911	.03638	2.9809	126.56	1.7081

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.7015	12.750	1.7274	.02538	.79943	3.5324	.00277
SDev	.0066	.047	.0028	.00063	.00477	.0160	.00304
%RSD	.38508	.37181	.16394	2.4919	.59642	.45183	109.56
#1	1.7077	12.801	1.7307	.02465	.80419	3.5508	.00396
#2	1.7020	12.707	1.7256	.02582	.79466	3.5233	.00504
#3	1.6946	12.743	1.7260	.02566	.79943	3.5231	-.00068

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00525	1.4592	.03312	1.4070	.14323	.01028	1.8958
SDev	.00287	.0045	.00014	.0580	.00086	.00178	.0055
%RSD	54.549	.30678	.42886	4.1232	.60242	17.353	.28863
#1	.00737	1.4622	.03316	1.3752	.14226	.00886	1.9020
#2	.00640	1.4541	.03296	1.3719	.14352	.00970	1.8936
#3	.00199	1.4614	.03323	1.4740	.14392	.01228	1.8918

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.52482	1.8294	1.705	.0053	.0035
SDev	.00084	.0028	.005	.0029	.0009
%RSD	.15957	.15480	.2848	54.80	24.87
#1	.52563	1.8325	1.710	.0071	.0026
#2	.52488	1.8287	1.704	.0068	.0038
#3	.52396	1.8270	1.700	.0019	.0043

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Method: EPA Sample Name: 238925 Operator: LKM
Run Time: 07/11/96 21:32:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	52.125	.00015	.00710	.02242	.38380	.00154	1.7669
SDev	.210	.00121	.00305	.00100	.00129	.00030	.0091
%RSD	.40329	835.12	43.027	4.4356	.33519	19.734	.51466
#1	52.208	.00109	.01061	.02306	.38440	.00119	1.7647
#2	51.885	.00056	.00509	.02293	.38233	.00176	1.7591
#3	52.280	-.00122	.00559	.02128	.38468	.00167	1.7769

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.09269	73.595	.08790	.05843	1.9847	114.05	1.6287
SDev	.00090	.178	.00020	.00011	.0074	.35	.0107
%RSD	.97632	.24226	.22945	.19337	.37490	.30558	.65475
#1	.09373	73.554	.08812	.05842	1.9873	113.98	1.6390
#2	.09213	73.440	.08772	.05832	1.9763	113.74	1.6177
#3	.09219	73.790	.08788	.05854	1.9905	114.43	1.6296

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.6298	48.392	1.7166	.00300	.13035	2.0137	.00078
SDev	.0074	.192	.0039	.00060	.00026	.0150	.00406
%RSD	.45614	.39688	.22620	20.012	.19581	.74405	517.12
#1	1.6353	48.386	1.7163	.00266	.13059	1.9971	.00232
#2	1.6213	48.203	1.7128	.00264	.13008	2.0176	.00385
#3	1.6326	48.587	1.7206	.00369	.13038	2.0263	-.00382

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00302	1.6628	.03889	2.8659	.25954	.01045	6.4199
SDev	.00222	.0097	.00029	.0778	.00248	.00371	.0166
%RSD	73.531	.58445	.74312	2.7135	.95703	35.502	.25790
#1	.00155	1.6699	.03917	2.7821	.26220	.00680	6.4211
#2	.00557	1.6518	.03859	2.9358	.25915	.01034	6.4028
#3	.00193	1.6669	.03892	2.8799	.25728	.01422	6.4359

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.22430	.94584	1.630	.0031	.0056
SDev	.00051	.00407	.008	.0025	.0022
%RSD	.22563	.42999	.5173	81.09	40.30
#1	.22421	.94367	1.638	.0026	.0082
#2	.22385	.94332	1.621	.0058	.0044
#3	.22485	.95053	1.633	.0009	.0042

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Method: EPA Sample Name: 238926 Operator: LKM
Run Time: 07/11/96 21:37:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	96.521	.04371	.05995	.14182	2.4802	.00288	.98416
SDev	.112	.00443	.00439	.00172	.0023	.00024	.00215
%RSD	.11617	10.142	7.3257	1.2134	.09228	8.3807	.21871
#1	96.409	.04100	.06496	.13985	2.4789	.00261	.98168
#2	96.633	.04130	.05680	.14257	2.4828	.00298	.98538
#3	96.522	.04883	.05808	.14304	2.4789	.00306	.98543

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.4297	27.887	.15014	.06276	H21.196	267.83	27.414
SDev	.0023	.014	.00015	.00047	.017	.19	.061
%RSD	.15977	.05057	.09819	.74444	.07829	.07192	.22213
#1	1.4319	27.871	.14998	.06226	H21.183	267.61	27.401
#2	1.4273	27.898	.15020	.06283	H21.215	267.95	27.480
#3	1.4299	27.893	.15026	.06319	H21.190	267.94	27.360

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	27.082	16.348	2.0937	.01061	2.5735	3.6994	.00462
SDev	.051	.015	.0018	.00034	.0022	.0046	.00238
%RSD	.18904	.09374	.08608	3.2469	.08662	.12340	51.396
#1	27.024	16.334	2.0919	.01081	2.5713	3.6943	.00315
#2	27.100	16.364	2.0937	.01080	2.5734	3.7010	.00736
#3	27.122	16.346	2.0955	.01021	2.5757	3.7030	.00336

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00969	2.5867	.56677	1.2553	5.2279	.01976	1.8652
SDev	.00143	.0151	.00109	.0628	.0079	.00127	.0017
%RSD	14.787	.58343	.19311	5.0051	.15172	6.4340	.09083
#1	.00998	2.5703	.56552	1.3170	5.2204	.02120	1.8638
#2	.00813	2.5900	.56724	1.1914	5.2270	.01881	1.8671
#3	.01095	2.5999	.56756	1.2576	5.2362	.01927	1.8648

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.12919	9.2223	H27.19	.0089	.0553
SDev	.00023	.0054	.04	.0004	.0027
%RSD	.17677	.05909	.1436	4.867	4.976
#1	.12913	9.2160	H27.15	.0085	.0578
#2	.12944	9.2256	H27.23	.0087	.0524
#3	.12900	9.2253	H27.20	.0094	.0557

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Method: EPA Sample Name: 238927 Operator: LKM
Run Time: 07/11/96 21:43:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	50.588	-.00338	.00249	.01649	.44549	.00348	.43950
SDev	1.369	.00072	.00192	.00161	.01279	.00012	.00966
%RSD	2.7066	21.421	77.040	9.7867	2.8710	3.5568	2.1990
#1	52.056	-.00415	.00125	.01833	.45927	.00360	.44993
#2	50.362	-.00328	.00152	.01535	.44320	.00347	.43772
#3	49.346	-.00272	.00470	.01577	.43400	.00335	.43085

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01305	112.83	.10816	.04102	.71071	84.298	.41720
SDev	.00040	2.24	.00212	.00029	.01979	1.857	.00808
%RSD	3.0571	1.9880	1.9591	.71188	2.7842	2.2025	1.9358
#1	.01350	115.32	.11048	.04114	.73165	86.335	.42641
#2	.01288	112.19	.10770	.04124	.70817	83.856	.41391
#3	.01276	110.97	.10632	.04069	.69232	82.702	.41130

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.41588	50.247	1.9549	.00308	.14423	3.4568	.00377
SDev	.00355	1.392	.0423	.00077	.00437	.0832	.00283
%RSD	.85303	2.7710	2.1618	24.985	3.0291	2.4076	74.938
#1	.41938	51.742	2.0014	.00252	.14927	3.5441	.00375
#2	.41598	50.013	1.9442	.00276	.14174	3.4479	.00096
#3	.41229	48.987	1.9190	.00395	.14167	3.3784	.00661

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00418	7.0288	.01765	3.1734	.05505	.00791	5.5795
SDev	.00106	.1302	.00013	.0798	.00325	.00192	.1381
%RSD	25.336	1.8523	.74208	2.5154	5.9020	24.274	2.4760
#1	.00324	7.1779	.01758	3.0964	.05497	.00576	5.7298
#2	.00397	6.9712	.01780	3.1681	.05185	.00851	5.5503
#3	.00533	6.9373	.01758	3.2558	.05834	.00945	5.4582

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.17421	.41458	.4172	.0048	.0014
SDev	.00421	.00979	.0050	.0014	.0015
%RSD	2.4179	2.3625	1.198	30.01	106.4
#1	.17861	.42522	.4227	.0042	.0003
#2	.17380	.41261	.4161	.0038	.0008
#3	.17021	.40593	.4129	.0065	.0031

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Method: EPA Sample Name: 238928 Operator: LKM
Run Time: 07/11/96 21:48:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	28.260	.00502	.00821	.04734	.38739	.00201	.39678
SDev	.022	.00090	.00093	.00026	.00076	.00011	.00110
%RSD	.07817	18.000	11.379	.55826	.19730	5.4293	.27770
#1	28.285	.00419	.00714	.04708	.38816	.00213	.39643
#2	28.243	.00489	.00889	.04761	.38736	.00191	.39590
#3	28.253	.00598	.00859	.04733	.38664	.00201	.39802

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.06091	26.935	.31677	.03158	1.9928	91.329	2.2262
SDev	.00030	.096	.00147	.00026	.0037	.166	.0037
%RSD	.49903	.35478	.46324	.81687	.18436	.18171	.16703
#1	.06111	26.843	.31535	.03136	1.9970	91.175	2.2294
#2	.06056	26.927	.31667	.03151	1.9906	91.307	2.2221
#3	.06106	27.034	.31828	.03186	1.9907	91.505	2.2272

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	2.2093	17.344	.95864	.00821	.22708	2.4417	.00436
SDev	.0061	.013	.00185	.00081	.00122	.0068	.00387
%RSD	.27429	.07626	.19302	9.8860	.53774	.28000	88.764
#1	2.2055	17.356	.95684	.00742	.22612	2.4496	.00152
#2	2.2163	17.330	.95854	.00817	.22667	2.4373	.00279
#3	2.2061	17.347	.96054	.00904	.22846	2.4383	.00877

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00398	1.6332	.09510	1.5403	.29124	.00462	2.5714
SDev	.00233	.0085	.00020	.0661	.00311	.00046	.0023
%RSD	58.431	.52166	.20589	4.2884	1.0674	9.9062	.08834
#1	.00542	1.6430	.09487	1.4859	.29148	.00515	2.5701
#2	.00130	1.6290	.09522	1.5212	.28802	.00437	2.5702
#3	.00524	1.6276	.09521	1.6138	.29422	.00434	2.5741

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.37271	1.6054	2.216	.0049	.0079
SDev	.00102	.0038	.003	.0023	.0008
%RSD	.27448	.23702	.1253	46.65	10.47
#1	.37160	1.6024	2.215	.0050	.0070
#2	.37290	1.6040	2.219	.0026	.0083
#3	.37362	1.6097	2.214	.0072	.0086

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Method: EPA Sample Name: 238931 Operator: LKM
Run Time: 07/11/96 21:53:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	37.673	-.00321	.00270	.03012	.49682	.00234	.61542
SDev	.054	.00324	.00272	.00165	.00133	.00006	.00085
%RSD	.14214	101.11	100.72	5.4750	.26674	2.3749	.13779
#1	37.734	-.00679	.00580	.03121	.49835	.00237	.61590
#2	37.646	-.00234	.00068	.03093	.49604	.00237	.61592
#3	37.638	-.00048	.00164	.02822	.49607	.00228	.61444

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00983	54.334	.08234	.04152	.40649	101.12	.53839
SDev	.00033	.129	.00051	.00059	.00140	.09	.00502
%RSD	3.3897	.23793	.61356	1.4102	.34472	.09073	.93205
#1	.00976	54.184	.08220	.04192	.40803	101.03	.54419
#2	.00954	54.407	.08291	.04180	.40530	101.21	.53541
#3	.01019	54.409	.08193	.04085	.40613	101.11	.53558

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.53599	29.037	1.3760	.00698	.11420	2.8087	.00541
SDev	.00524	.021	.0004	.00054	.00022	.0110	.00688
%RSD	.97742	.07205	.03018	7.7431	.19245	.39289	127.16
#1	.52994	29.056	1.3755	.00759	.11424	2.8211	.01318
#2	.53914	29.015	1.3761	.00675	.11396	2.8051	.00295
#3	.53888	29.040	1.3763	.00659	.11439	2.8000	.00010

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00441	1.6644	.00611	2.6889	.03068	.00629	4.7251
SDev	.00299	.0040	.00013	.0714	.00143	.00332	.0031
%RSD	67.667	.23936	2.1944	2.6569	4.6725	52.730	.06604
#1	.00251	1.6687	.00612	2.7365	.03012	.00731	4.7285
#2	.00288	1.6608	.00598	2.7235	.03231	.00258	4.7245
#3	.00786	1.6637	.00624	2.6068	.02962	.00898	4.7224

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.29491	.41223	.5377	.0056	.0015
SDev	.00027	.00059	.0018	.0016	.0010
%RSD	.09038	.14302	.3385	29.46	66.18
#1	.29494	.41163	.5356	.0069	.0023
#2	.29515	.41223	.5388	.0037	.0004
#3	.29462	.41281	.5387	.0061	.0018

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Method: EPA Sample Name: 238932 Operator: LKM
Run Time: 07/11/96 21:59:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	22.841	-.00101	.00502	.23269	.73482	.00172	.05197
SDev	.010	.00127	.00223	.00305	.00029	.00006	.00040
%RSD	.04274	125.00	44.461	1.3129	.03935	3.2060	.76813
#1	22.830	-.00231	.00389	.23546	.73449	.00166	.05156
#2	22.847	-.00095	.00758	.23320	.73496	.00177	.05198
#3	22.848	.00022	.00358	.22941	.73502	.00174	.05236

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00136	6.8560	.06115	.02268	.12174	124.58	1.0365
SDev	.00044	.0072	.00030	.00011	.00045	.07	.0052
%RSD	32.572	.10475	.49209	.46739	.36964	.05470	.50078
#1	.00153	6.8596	.06124	.02278	.12223	124.64	1.0413
#2	.00170	6.8478	.06081	.02257	.12166	124.51	1.0371
#3	.00086	6.8607	.06139	.02268	.12134	124.60	1.0310

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.0264	10.345	.70555	.00402	.05833	5.9686	.00688
SDev	.0038	.008	.00024	.00049	.00081	.0084	.00488
%RSD	.37082	.07865	.03383	12.096	1.3824	.14003	71.049
#1	1.0227	10.353	.70579	.00393	.05891	5.9617	.00942
#2	1.0260	10.336	.70531	.00455	.05741	5.9661	.00996
#3	1.0303	10.346	.70556	.00359	.05868	5.9779	.00124

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00718	2.1915	.00192	.77754	.03246	.01109	1.1232
SDev	.00056	.0041	.00023	.02565	.00139	.00185	.0009
%RSD	7.8584	.18598	12.065	3.2987	4.2915	16.680	.08394
#1	.00696	2.1962	.00166	.80217	.03173	.01283	1.1237
#2	.00782	2.1892	.00203	.75098	.03407	.00915	1.1221
#3	.00675	2.1890	.00208	.77948	.03158	.01129	1.1238

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.11758	.52124	1.031	.0079	.0038
SDev	.00038	.00186	.001	.0019	.0016
%RSD	.32159	.35676	.0786	24.12	42.27
#1	.11782	.52143	1.030	.0086	.0026
#2	.11778	.51929	1.031	.0094	.0056
#3	.11714	.52300	1.032	.0057	.0032

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Method: EPA Sample Name: CCV_ _ Operator: LKM
Run Time: 07/11/96 22:04:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	5.0632	.99516	.99766	.98748	5.1884	.12295	2.5070
SDev	.0193	.00164	.00824	.00521	.0155	.00053	.0078
%RSD	.38115	.16471	.82570	.52778	.29812	.43232	.31008
#1	5.0855	.99705	1.0048	.99070	5.2060	.12352	2.5160
#2	5.0511	.99439	.98864	.98147	5.1820	.12246	2.5029
#3	5.0531	.99405	.99957	.99027	5.1771	.12288	2.5022

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.49435	12.187	.49001	1.2349	.63147	2.4349	1.0077
SDev	.00260	.067	.00187	.0053	.00164	.0201	.0024
%RSD	.52614	.54586	.38139	.43057	.25904	.82721	.24152
#1	.49735	12.257	.49216	1.2401	.63336	2.4513	1.0091
#2	.49284	12.124	.48878	1.2294	.63053	2.4124	1.0000
#3	.49285	12.180	.48909	1.2351	.63053	2.4411	1.0048

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.99478	12.583	1.2433	2.4715	1.2380	13.150	1.0011
SDev	.00378	.050	.0053	.0077	.0053	.025	.0117
%RSD	.38025	.40016	.42330	.31061	.42547	.18907	1.1669
#1	.99808	12.641	1.2491	2.4799	1.2441	13.169	1.0070
#2	.99065	12.562	1.2388	2.4647	1.2344	13.159	.98763
#3	.99559	12.547	1.2420	2.4701	1.2357	13.122	1.0086

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99931	2.5389	.62198	12.389	2.4137	1.0031	2.5318
SDev	.00657	.0132	.00305	.106	.0111	.0072	.0100
%RSD	.65757	.51854	.49053	.85485	.46039	.71876	.39470
#1	1.0020	2.5540	.62532	12.485	2.4263	1.0108	2.5432
#2	.99182	2.5302	.61934	12.275	2.4053	.99654	2.5250
#3	1.0041	2.5324	.62126	12.408	2.4095	1.0019	2.5270

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.2399	1.2572	1.000	1.001	.9976
SDev	.0053	.0057	.003	.008	.0059
%RSD	.43016	.45431	.2567	.8261	.5887
#1	1.2457	1.2631	1.003	1.005	1.003
#2	1.2353	1.2517	.9977	.9913	.9914
#3	1.2387	1.2568	.9996	1.006	.9985

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Method: EPA Sample Name: CCB Operator: LKM
Run Time: 07/11/96 22:10:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.00277	-.00119	.00064	.00145	.00053	.00029	.00059
SDev	.00107	.00121	.00085	.00040	.00021	.00015	.00037
%RSD	38.610	101.53	132.56	27.432	40.404	53.227	63.807
#1	-.00196	-.00251	-.00010	.00132	.00077	.00045	.00096
#2	-.00398	-.00013	.00157	.00114	.00044	.00027	.00059
#3	-.00237	-.00093	.00045	.00190	.00038	.00014	.00021

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00004	-.00625	-.00135	.00011	.00065	-.02733	.00103
SDev	.00019	.00126	.00028	.00052	.00012	.00113	.00028
%RSD	487.98	20.182	20.620	471.65	18.273	4.1250	27.250
#1	.00004	-.00628	-.00119	.00067	.00079	-.02863	.00118
#2	.00009	-.00498	-.00119	-.00036	.00056	-.02663	.00119
#3	-.00025	-.00750	-.00168	.00002	.00062	-.02673	.00070

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	-.00020	-.00666	-.00036	.00292	-.00261	.00273	.00193
SDev	.00133	.00325	.00005	.00190	.00067	.00836	.00197
%RSD	653.65	48.868	12.915	65.235	25.784	306.45	101.93
#1	-.00055	-.00299	-.00041	.00511	-.00196	.01017	.00378
#2	-.00133	-.00780	-.00033	.00174	-.00330	.00434	-.00014
#3	.00126	-.00918	-.00033	.00190	-.00255	-.00632	.00217

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00093	.00891	-.00005	-.05620	-.00003	.00150	.00067
SDev	.00227	.00092	.00022	.11048	.00167	.00174	.00047
%RSD	244.75	10.276	428.57	196.58	5153.2	115.99	69.468
#1	.00031	.00996	.00018	.07132	.00184	.00129	.00120
#2	.00344	.00853	-.00009	-.11675	-.00058	-.00013	.00051
#3	-.00097	.00825	-.00025	-.12318	-.00136	.00334	.00031

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	.00004	.0010	.0021	.0009
SDev	.00017	.00007	.0008	.0011	.0009
%RSD	87.449	204.38	77.51	56.23	111.8
#1	-.00010	-.00001	.0009	.0023	-.0001
#2	-.00009	.00012	.0003	.0031	.0018
#3	-.00039	-.00000	.0019	.0008	.0008

Method: EPA Sample Name: CRI Operator: LKM
Run Time: 07/11/96 22:15:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	-.00583	.12092	.11938	.02118	.00023	.01052	.00033
SDev	.00193	.00280	.00200	.00167	.00007	.00007	.00021
%RSD	33.051	2.3167	1.6730	7.9013	29.058	.67232	64.193
#1	-.00491	.11891	.12035	.01926	.00027	.01060	.00010
#2	-.00805	.11972	.11708	.02234	.00015	.01046	.00036
#3	-.00454	.12412	.12070	.02193	.00026	.01050	.00052

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01040	-.00162	.01983	.10671	.05369	-.01701	.01022
SDev	.00021	.00121	.00021	.00040	.00051	.00337	.00175
%RSD	2.0568	74.470	1.0380	.37558	.95105	19.833	17.157
#1	.01016	-.00054	.01999	.10683	.05427	-.01792	.01208
#2	.01056	-.00293	.01959	.10626	.05350	-.01328	.00860
#3	.01048	-.00140	.01990	.10704	.05331	-.01984	.00997

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00597	-.00551	.03161	.00101	.08335	.00094	.01244
SDev	.00145	.00040	.00003	.00061	.00072	.00657	.00367
%RSD	24.232	7.2827	.10093	61.154	.85860	699.01	29.492
#1	.00447	-.00576	.03158	.00151	.08288	.00825	.01131
#2	.00735	-.00573	.03164	.00119	.08301	-.00447	.00947
#3	.00609	-.00505	.03161	.00032	.08418	-.00096	.01655

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01005	.00925	.02100	-.05678	-.00184	.02130	.00030
SDev	.00011	.00235	.00022	.10369	.00271	.00250	.00035
%RSD	1.1026	25.389	1.0420	182.61	147.23	11.738	116.81
#1	.01004	.01196	.02123	.03450	.00128	.02238	.00068
#2	.00995	.00793	.02079	-.16952	-.00320	.01844	-.00001
#3	.01017	.00786	.02098	-.03533	-.00359	.02308	.00023

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.10240	.04397	.0083	.0117	.1207
SDev	.00013	.00015	.0004	.0013	.0019
%RSD	.12653	.35082	4.579	11.09	1.608
#1	.10253	.04382	.0079	.0113	.1206
#2	.10227	.04395	.0087	.0106	.1188
#3	.10240	.04413	.0083	.0131	.1227

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Method: EPA Sample Name: ICSA Operator: LKM
Run Time: 07/11/96 22:20:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	428.12	-.00121	-.00063	.00108	-.00151	.00162	.00012
SDev	.39	.00924	.00605	.00356	.00004	.00005	.00015
%RSD	.09196	765.53	957.12	328.56	2.7737	2.9509	128.62
#1	427.68	-.00405	.00615	-.00070	-.00146	.00167	.00029
#2	428.22	-.00868	-.00258	.00519	-.00153	.00163	.00004
#3	428.45	.00912	-.00547	-.00123	-.00153	.00157	.00002

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00523	431.14	-.00027	.00074	.00041	185.92	-.00413
SDev	.00038	.60	.00056	.00069	.00016	.17	.00296
%RSD	7.2295	.13975	209.82	93.196	38.821	.09397	71.601
#1	.00488	430.45	.00037	.00121	.00034	185.78	-.00230
#2	.00517	431.56	-.00070	-.00005	.00060	186.12	-.00255
#3	.00563	431.40	-.00047	.00107	.00030	185.88	-.00754

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00405	469.61	-.00582	.00152	-.00016	.00310	.00553
SDev	.00256	.47	.00009	.00176	.00067	.00032	.00869
%RSD	63.290	.10048	1.5854	115.77	410.01	10.298	157.13
#1	.00151	469.99	-.00592	.00064	.00000	.00278	.01541
#2	.00400	469.76	-.00574	.00355	.00041	.00311	-.00092
#3	.00663	469.08	-.00582	.00038	-.00090	.00341	.00210

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00327	.03701	.00026	.12450	.00108	.00666	-.00080
SDev	.00362	.00281	.00018	.07154	.00261	.00391	.00006
%RSD	110.71	7.6051	70.415	57.460	242.38	58.756	6.9312
#1	-.00658	.04026	.00045	.07877	.00243	.00226	-.00083
#2	-.00382	.03542	.00022	.20694	.00273	.00799	-.00073
#3	.00059	.03535	.00010	.08779	-.00193	.00974	-.00083

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	.00277	.0023	.0006	.0000
SDev	.00095	.00045	.0009	.0022	.0037
%RSD	496.04	16.260	40.17	390.6	9816.
#1	.00091	.00238	.0013	.0016	.0037
#2	-.00072	.00267	.0028	-.0020	-.0037
#3	-.00077	.00326	.0029	.0020	.0002

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Method: EPA Sample Name: ICSAB Operator: LKM
Run Time: 07/11/96 22:26:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	428.15	.60230	.59666	.09517	.55033	.46722	.00320
SDev	1.98	.00915	.00750	.00560	.00232	.00280	.00073
%RSD	.46298	1.5196	1.2563	5.8812	.42216	.59971	22.794
#1	427.31	.60399	.60531	.09816	.54974	.46515	.00349
#2	426.73	.61048	.59212	.08872	.54836	.46611	.00237
#3	430.41	.59241	.59254	.09864	.55289	.47041	.00373

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.93518	432.47	.47822	.47536	.56655	186.31	.04404
SDev	.00538	2.72	.00315	.00244	.00150	1.03	.00404
%RSD	.57523	.62898	.65832	.51234	.26400	.55418	9.1774
#1	.92959	430.30	.47581	.47521	.56643	185.49	.04834
#2	.93563	431.58	.47708	.47299	.56511	185.98	.04032
#3	.94032	435.52	.48178	.47786	.56809	187.47	.04346

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.05056	466.52	.48586	.00295	.93953	.01430	.04155
SDev	.00156	2.01	.00265	.00038	.00602	.00076	.00905
%RSD	3.0766	.43104	.54512	12.791	.64049	5.2958	21.783
#1	.04877	465.46	.48390	.00270	.93593	.01491	.05198
#2	.05133	465.27	.48480	.00276	.93618	.01345	.03689
#3	.05159	468.84	.48887	.00338	.94648	.01454	.03578

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04748	.04393	.21662	.06540	.00363	.08959	.00146
SDev	.00301	.00160	.00096	.12911	.00253	.00499	.00020
%RSD	6.3502	3.6440	.44231	197.41	69.805	5.5732	13.929
#1	.04404	.04551	.21622	.12300	.00527	.08414	.00152
#2	.04967	.04231	.21592	.15569	.00490	.09394	.00123
#3	.04872	.04398	.21771	-.08248	.00071	.09068	.00162

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.49454	.98673	.0495	.0464	.5994
SDev	.00375	.00589	.0006	.0011	.0062
%RSD	.75761	.59707	1.309	2.473	1.033
#1	.49122	.98266	.0497	.0476	.6058
#2	.49380	.98403	.0488	.0462	.5991
#3	.49860	.99348	.0500	.0453	.5934

Analysis Report QC Standard Thu 07-11-96 10:36:47 PM page 1

Method: EPA Sample Name: CCV_ _ Operator: LKM
Run Time: 07/11/96 22:31:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	5.0733	1.0039	.99350	.99490	5.1541	.12339	2.5034
SDev	.0215	.0022	.00743	.00297	.0117	.00026	.0040
%RSD	.42441	.21624	.74763	.29802	.22627	.20961	.15937
#1	5.0931	1.0015	.99235	.99808	5.1668	.12369	2.5041
#2	5.0765	1.0056	1.0014	.99221	5.1518	.12320	2.5070
#3	5.0504	1.0048	.98671	.99442	5.1438	.12329	2.4991

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.49717	12.334	.49266	1.2387	.62664	2.4805	1.0048
SDev	.00167	.021	.00095	.0013	.00148	.0240	.0030
%RSD	.33511	.17339	.19213	.10748	.23700	.96748	.29942
#1	.49909	12.347	.49353	1.2401	.62827	2.4780	1.0030
#2	.49607	12.310	.49165	1.2374	.62628	2.4579	1.0083
#3	.49635	12.346	.49282	1.2387	.62537	2.5057	1.0031

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.0007	12.496	1.2481	2.4793	1.2413	12.987	.99997
SDev	.0042	.023	.0017	.0079	.0008	.033	.00652
%RSD	.41560	.18351	.13389	.32020	.06201	.25495	.65231
#1	1.0042	12.522	1.2500	2.4718	1.2420	13.013	.99420
#2	.99612	12.485	1.2468	2.4787	1.2405	12.997	.99867
#3	1.0018	12.480	1.2475	2.4876	1.2415	12.950	1.0070

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99646	2.5224	.62207	12.306	2.4149	.99809	2.5318
SDev	.00274	.0085	.00043	.009	.0038	.00415	.0038
%RSD	.27481	.33777	.06910	.07020	.15858	.41569	.14874
#1	.99424	2.5304	.62202	12.300	2.4152	1.0016	2.5361
#2	.99952	2.5234	.62167	12.316	2.4109	.99351	2.5292
#3	.99562	2.5134	.62252	12.302	2.4186	.99916	2.5302

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.2435	1.2638	1.003	.9985	.9978
SDev	.0019	.0011	.002	.0029	.0053
%RSD	.15214	.08946	.1783	.2952	.5278
#1	1.2456	1.2651	1.005	.9950	.9962
#2	1.2425	1.2630	1.001	1.000	1.004
#3	1.2422	1.2634	1.003	1.000	.9934

Analysis Report Thu 07-11-96 10:42:11 PM page 1

Method: EPA Sample Name: CCB Operator: LKM
Run Time: 07/11/96 22:37:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	.00028	-.00012	.00074	.00083	.00060	.00004	.00018
SDev	.00633	.00124	.00094	.00044	.00017	.00004	.00014
%RSD	2235.6	1050.4	127.39	53.002	28.563	88.017	78.170
#1	.00668	.00093	-.00028	.00097	.00078	.00003	.00017
#2	.00014	.00019	.00092	.00034	.00060	.00008	.00004
#3	-.00597	-.00148	.00157	.00119	.00043	.00001	.00032

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00025	.00942	-.00115	.00067	.00041	-.02191	.00189
SDev	.00024	.00214	.00015	.00044	.00037	.00537	.00118
%RSD	94.849	22.698	12.697	65.670	91.240	24.486	62.570
#1	-.00011	.01100	-.00099	.00092	.00081	-.01805	.00326
#2	-.00012	.01027	-.00120	.00092	.00008	-.01964	.00119
#3	-.00053	.00699	-.00127	.00016	.00033	-.02804	.00123

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00026	.00612	-.00031	.00340	-.00229	.00179	.00296
SDev	.00099	.00278	.00005	.00235	.00078	.00215	.00200
%RSD	384.22	45.331	15.339	68.950	33.947	120.04	67.727
#1	-.00055	.00866	-.00025	.00607	-.00142	.00096	.00377
#2	.00136	.00656	-.00033	.00250	-.00254	.00423	.00068
#3	-.00004	.00316	-.00033	.00164	-.00291	.00018	.00443

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00038	.00808	.00009	-.02584	.00006	.00092	.00070
SDev	.00075	.00081	.00008	.05286	.00098	.00065	.00056
%RSD	198.63	10.066	90.772	204.52	1723.8	70.772	79.709
#1	.00102	.00859	.00018	-.08678	.00107	.00129	.00130
#2	.00056	.00714	.00002	.00154	-.00088	.00131	.00061
#3	-.00045	.00851	.00007	.00770	-.00002	.00017	.00020

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00029	.00007	.0016	.0021	.0012
SDev	.00017	.00015	.0005	.0007	.0003
%RSD	59.814	210.87	28.58	32.93	27.89
#1	.00050	.00024	.0015	.0028	.0008
#2	.00019	-.00002	.0021	.0014	.0015
#3	.00019	-.00001	.0012	.0020	.0014

1688

Lynne K. Madell
07/12/96

CLP/Task IV ICP LABORATORY CHRMONCLE: METALS DEPARTMENT

S No. NA

6 No. CDERN2

tch No. 2632

Analysis Date 7-15-96

Page 1 of 1

Run No. 2

nstrument ICAP-61E

utosampler Table 071596A

ata File CDERN2B

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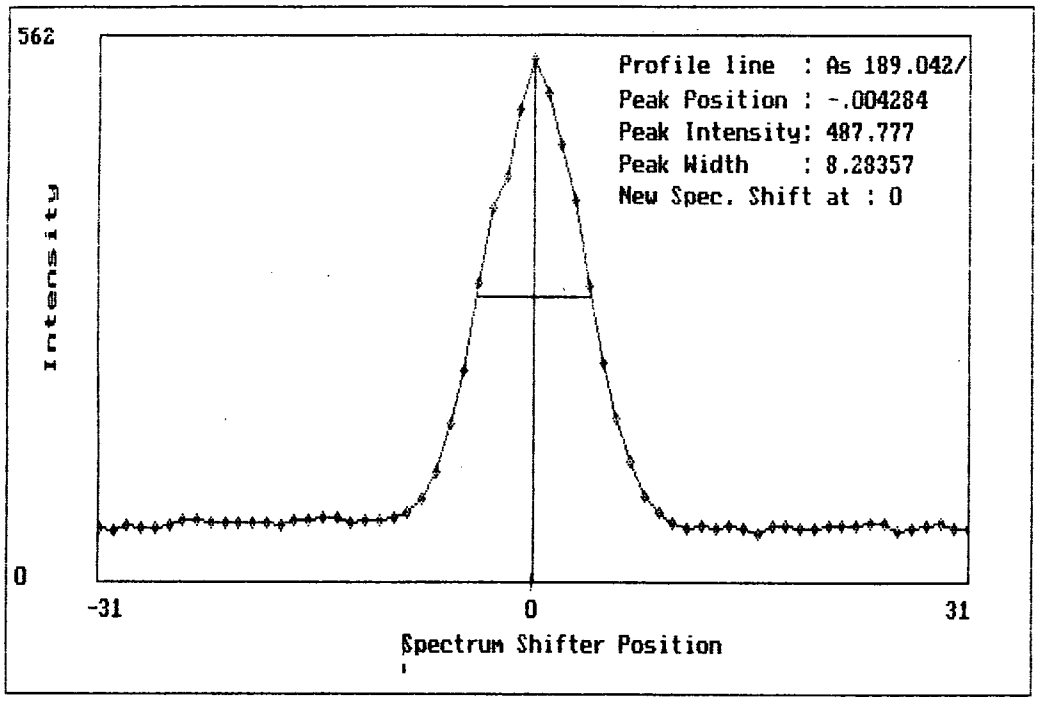
eviewed by: [signature]

Standard	Lot No.	Conc.
Blank, ICB, CCB	ISH-23-1	0
Std #2, Std*3 (S)	ISH-23-2	Multi
ICV	ISH-23-5	Multi
CCV	ISH-23-4	Multi
ICSA	ISH-204-6	Multi
ICSAB	ISH-201-3	Multi
CRI	ISH-204-4	Multi

SFA Sample No.	ICM Sample No.	Cup No.	DF	Comments
	ICV	QA3		Pb Only
	ICB	1		
	CCV	QA4		
	CCB	2		
	CRI	3		
	ICSA	4		
	ICSAB	5		
	CCV	QA4		
	CCB	6		
	238926	7	S	
	238926L	8	S	
	CRI	9		
	ICSA	10		
	ICSAB	11		
	CCV	QA4		
	CCB	12		

Paul Cowanen 7/15/96



Method: EPA Standard: S0

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Avge	.07829	-.01304	.00224	-.00656	.00000	-.00631	.00141
SDev	.00026	.00346	.00097	.00257	.00011	.00068	.00037
%RSD	.33118	26.558	43.330	39.186	86804.	10.759	26.383
#1	.07848	-.01696	.00217	-.00370	.00011	-.00554	.00098
#2	.07799	-.01040	.00130	-.00867	-.00011	-.00682	.00162
#3	.07839	-.01175	.00323	-.00733	.00000	-.00658	.00162

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Avge	.00303	.04403	.00134	-.00144	.02729	-.00372	-.00303
SDev	.00189	.00005	.00016	.00034	.00066	.00022	.00208
%RSD	62.327	.10967	12.310	23.696	2.4090	5.8181	68.632
#1	.00435	.04402	.00120	-.00120	.02804	-.00348	-.00120
#2	.00087	.04409	.00152	-.00130	.02697	-.00390	-.00260
#3	.00388	.04399	.00129	-.00183	.02685	-.00377	-.00528

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Avge	-.00635	-.00170	.00036	.00126	-.00289	-.05811	-.01410
SDev	.00101	.00007	.00013	.00052	.00062	.00150	.00469
%RSD	15.962	4.0459	34.621	40.888	21.649	2.5759	33.289
#1	-.00609	-.00174	.00043	.00185	-.00217	-.05641	-.01120
#2	-.00747	-.00173	.00022	.00108	-.00314	-.05925	-.01159
#3	-.00550	-.00162	.00043	.00086	-.00334	-.05866	-.01952

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Avge	.01018	.15740	.00054	-.05039	-.00094	-.00386	.00058
SDev	.00160	.00125	.00071	.00075	.00105	.00073	.00025
%RSD	15.673	.79215	130.98	1.4888	112.25	18.864	42.890
#1	.01098	.15880	.00065	-.05011	-.00185	-.00304	.00043
#2	.00834	.15642	-.00022	-.05124	.00022	-.00444	.00043
#3	.01121	.15699	.00119	-.04981	-.00119	-.00410	.00086

Elem	V_2924	Zn2138
Avge	.00022	.00401
SDev	.00011	.00034
%RSD	50.251	8.5074
#1	.00033	.00435
#2	.00011	.00401
#3	.00022	.00367

Method: EPA Standard: S

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Avge	2.6168	3.3867	2.3897	2.5389	20.465	1.1020	4.2829
SDev	.0047	.0102	.0126	.0056	.015	.0016	.0059
%RSD	.17944	.30060	.52862	.21936	.07548	.14392	.13771
#1	2.6130	3.3965	2.3763	2.5440	20.479	1.1037	4.2785
#2	2.6155	3.3874	2.3913	2.5329	20.449	1.1005	4.2806
#3	2.6220	3.3762	2.4014	2.5397	20.467	1.1019	4.2896

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Avge	6.4739	2.7929	1.6046	2.1436	2.7246	.26709	5.3574
SDev	.0052	.0005	.0009	.0019	.0047	.00042	.0288
%RSD	.08060	.01833	.05590	.08961	.17353	.15856	.53759
#1	6.4682	2.7926	1.6039	2.1445	2.7225	.26669	5.3450
#2	6.4751	2.7927	1.6042	2.1414	2.7213	.26707	5.3369
#3	6.4785	2.7935	1.6056	2.1449	2.7300	.26753	5.3904

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Avge	4.7538	3.9214	3.5405	7.0119	7.8410	20.531	1.8135
SDev	.0165	.0045	.0019	.0147	.0012	.078	.0052
%RSD	.34764	.11379	.05335	.20990	.01562	.38136	.28534
#1	4.7605	3.9205	3.5425	6.9965	7.8398	20.487	1.8129
#2	4.7660	3.9175	3.5403	7.0136	7.8423	20.484	1.8086
#3	4.7350	3.9263	3.5387	7.0258	7.8408	20.621	1.8189

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Avge	2.1364	3.8198	2.4396	.57793	5.4101	1.6817	16.291
SDev	.0031	.0057	.0026	.00360	.0020	.0089	.029
%RSD	.14371	.14867	.10824	.62357	.03698	.53029	.17698
#1	2.1330	3.8260	2.4376	.57765	5.4123	1.6726	16.324
#2	2.1372	3.8148	2.4387	.57448	5.4092	1.6820	16.279
#3	2.1390	3.8187	2.4426	.58167	5.4086	1.6904	16.270

Elem	V_2924	Zn2138
Avge	.94770	2.0487
SDev	.00102	.0029
%RSD	.10804	.14233
#1	.94887	2.0478
#2	.94721	2.0463
#3	.94700	2.0519

Method: EPA Sample Name: ICV Operator:
Run Time: 07/15/96 10:42:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	3.9889	.51685	.52182	.52195	4.1467	.10137	2.1039
SDev	.0137	.00195	.00099	.00134	.0166	.00057	.0056
%RSD	.34423	.37671	.19055	.25638	.39939	.56364	.26433
#1	3.9884	.51561	.52098	.52210	4.1480	.10167	2.1059
#2	4.0029	.51909	.52292	.52320	4.1626	.10174	2.1082
#3	3.9754	.51584	.52155	.52054	4.1296	.10071	2.0976

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.10242	10.038	.40092	1.0095	.49824	1.9816	.50681
SDev	.00034	.032	.00145	.0035	.00176	.0165	.00202
%RSD	.33600	.31975	.36233	.34195	.35349	.83189	.39914
#1	.10269	10.074	.40225	1.0106	.49808	1.9999	.50907
#2	.10203	10.030	.40115	1.0122	.50007	1.9771	.50618
#3	.10254	10.011	.39937	1.0056	.49656	1.9679	.50518

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.51036	10.262	1.0119	2.0719	1.0175	10.423	.53466
SDev	.00502	.028	.0035	.0071	.0031	.035	.00129
%RSD	.98335	.27072	.34770	.34110	.30499	.33572	.24192
#1	.50961	10.267	1.0143	2.0786	1.0210	10.407	.53415
#2	.51571	10.287	1.0135	2.0727	1.0152	10.463	.53613
#3	.50575	10.232	1.0078	2.0645	1.0163	10.399	.53370

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52900	1.9955	.24867	9.5906	2.0421	.52253	2.0350
SDev	.00176	.0073	.00041	.0830	.0080	.01145	.0085
%RSD	.33345	.36547	.16522	.86539	.39087	2.1911	.41836
#1	.52696	1.9993	.24854	9.6335	2.0503	.53547	2.0400
#2	.53001	2.0001	.24913	9.6434	2.0418	.51843	2.0398
#3	.53003	1.9871	.24834	9.4949	2.0343	.51370	2.0251

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.0013	1.0532	.5103	.5318	.5210
SDev	.0034	.0036	.0035	.0014	.0014
%RSD	.34158	.34641	.6864	.2598	.2583
#1	1.0040	1.0566	.5106	.5302	.5200
#2	1.0024	1.0538	.5136	.5329	.5225
#3	.99748	1.0493	.5066	.5321	.5205

Method: EPA Sample Name: ICB Operator:
Run Time: 07/15/96 10:48:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	.00355	-.00044	-.00044	-.00029	.00086	.00012	.00104
SDev	.00171	.00094	.00087	.00162	.00016	.00019	.00010
%RSD	48.269	212.42	196.71	560.56	18.683	161.45	10.059
#1	.00424	.00061	-.00144	.00150	.00101	.00033	.00115
#2	.00160	-.00122	.00015	-.00071	.00090	.00001	.00102
#3	.00481	-.00072	-.00004	-.00165	.00069	.00001	.00094

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00011	-.00134	-.00011	.00029	-.00015	-.00003	-.00207
SDev	.00027	.00144	.00047	.00013	.00009	.00667	.00119
%RSD	250.79	107.07	421.50	43.363	59.863	21362.	57.389
#1	.00003	.00026	.00038	.00029	-.00020	.00274	-.00157
#2	-.00012	-.00179	-.00056	.00042	-.00021	-.00764	-.00342
#3	.00040	-.00251	-.00016	.00017	-.00005	.00481	-.00121

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00040	.00483	.00013	.00497	-.00012	.00706	.00137
SDev	.00039	.00242	.00000	.00254	.00036	.00405	.00250
%RSD	98.776	50.146	.17997	51.152	311.56	57.380	182.40
#1	.00013	.00736	.00013	.00782	.00013	.00995	-.00127
#2	.00022	.00253	.00013	.00412	-.00053	.00878	.00169
#3	.00085	.00460	.00013	.00296	.00006	.00243	.00370

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00041	-.00115	-.00009	-.00126	.00194	-.00004	.00081
SDev	.00214	.00071	.00016	.10257	.00159	.00013	.00045
%RSD	525.00	61.491	173.90	8149.2	82.144	294.88	55.915
#1	-.00061	-.00072	.00000	.11434	.00377	.00009	.00132
#2	.00183	-.00077	.00000	-.03672	.00097	-.00017	.00065
#3	-.00244	-.00196	-.00028	-.08140	.00107	-.00004	.00045

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00009	-.00053	.0004	.0011	.0004
SDev	.00017	.00013	.0006	.0014	.0003
%RSD	175.55	24.758	130.5	133.1	64.61
#1	.00000	-.00054	.0004	.0000	.0001
#2	-.00000	-.00066	-.0001	.0026	.0006
#3	.00029	-.00040	.0010	.0005	.0006

Analysis Report QC Standard Mon 07-15-96 10:58:16 AM page 1

Method: EPA Sample Name: CCV Operator:
Run Time: 07/15/96 10:53:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	4.9998	1.0053	1.0042	1.0081	5.1660	.12475	2.4983
SDev	.0043	.0024	.0024	.0039	.0041	.00028	.0010
%RSD	.08662	.23607	.23870	.38377	.07958	.22447	.04155
#1	4.9958	1.0049	1.0067	1.0036	5.1707	.12506	2.4981
#2	4.9991	1.0031	1.0019	1.0106	5.1642	.12468	2.4995
#3	5.0044	1.0078	1.0040	1.0100	5.1631	.12452	2.4975

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.50587	12.523	.50372	1.2565	.62255	2.5178	1.0064
SDev	.00031	.007	.00053	.0007	.00056	.0031	.0015
%RSD	.06170	.05950	.10469	.05273	.08956	.12307	.14440
#1	.50551	12.531	.50433	1.2561	.62191	2.5213	1.0076
#2	.50609	12.516	.50349	1.2573	.62284	2.5161	1.0068
#3	.50602	12.523	.50335	1.2562	.62290	2.5159	1.0048

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.0053	12.481	1.2615	2.5512	1.2588	12.710	.99123
SDev	.0029	.003	.0016	.0017	.0029	.026	.00293
%RSD	.29079	.02722	.12460	.06567	.23256	.20471	.29548
#1	1.0021	12.478	1.2632	2.5493	1.2605	12.685	.98787
#2	1.0057	12.485	1.2601	2.5523	1.2554	12.707	.99260
#3	1.0079	12.481	1.2612	2.5521	1.2605	12.737	.99323

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99427	2.4844	.62369	12.261	2.5214	1.0016	2.5148
SDev	.00402	.0053	.00020	.061	.0054	.0066	.0019
%RSD	.40479	.21183	.03269	.49728	.21482	.66042	.07381
#1	.98967	2.4799	.62391	12.330	2.5260	.99448	2.5170
#2	.99710	2.4832	.62351	12.214	2.5154	1.0029	2.5135
#3	.99606	2.4902	.62365	12.239	2.5228	1.0075	2.5140

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.2517	1.2907	1.007	.9941	1.005
SDev	.0022	.0029	.002	.0036	.002
%RSD	.17323	.22260	.1491	.3659	.2055
#1	1.2542	1.2916	1.005	.9899	1.007
#2	1.2505	1.2875	1.007	.9965	1.003
#3	1.2504	1.2930	1.008	.9960	1.006

Method: EPA Sample Name: CCB Operator:
Run Time: 07/15/96 10:58:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	.00386	.00139	-.00059	-.00141	.00066	.00001	.00039
SDev	.00071	.00078	.00105	.00163	.00011	.00008	.00076
%RSD	18.304	56.001	177.92	116.00	17.020	1096.3	196.69
#1	.00315	.00213	.00045	-.00154	.00075	.00009	.00123
#2	.00386	.00058	-.00057	.00029	.00069	-.00005	-.00025
#3	.00457	.00145	-.00165	-.00297	.00053	-.00002	.00018

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00004	-.00123	.00005	.00088	-.00026	.00297	.00022
SDev	.00013	.00112	.00068	.00053	.00028	.00751	.00118
%RSD	318.16	90.913	1331.1	60.105	107.90	253.14	526.97
#1	.00019	-.00210	.00073	.00130	.00001	-.00424	-.00061
#2	-.00007	.00003	.00005	.00105	-.00055	.01075	-.00029
#3	.00000	-.00161	-.00063	.00029	-.00024	.00239	.00157

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00031	.00456	.00010	.00407	-.00009	.00288	.00363
SDev	.00192	.00208	.00009	.00216	.00081	.00104	.00301
%RSD	625.68	45.642	86.053	53.027	944.58	36.078	83.073
#1	.00015	.00455	.00021	.00650	.00082	.00265	.00312
#2	.00230	.00666	.00005	.00336	-.00033	.00401	.00687
#3	-.00153	.00249	.00005	.00236	-.00075	.00198	.00090

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00358	.00210	.00019	-.08605	.00295	-.00054	.00080
SDev	.00226	.00152	.00013	.03050	.00122	.00227	.00044
%RSD	63.279	72.179	68.106	35.446	41.288	417.36	54.549
#1	.00604	.00196	.00011	-.07738	.00410	.00056	.00126
#2	.00311	.00066	.00034	-.11995	.00308	-.00316	.00076
#3	.00158	.00368	.00011	-.06082	.00167	.00097	.00039

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00058	-.00082	.0012	.0044	.0009
SDev	.00029	.00021	.0010	.0019	.0009
%RSD	49.518	25.415	88.68	43.59	104.2
#1	.00029	-.00063	.0008	.0058	.0019
#2	.00086	-.00078	.0023	.0052	.0006
#3	.00058	-.00104	.0004	.0022	.0001

Method: EPA Sample Name: CRI Operator:
Run Time: 07/15/96 11:03:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	.03351	.11110	.10831	.01973	.00023	.00915	.00666
SDev	.00166	.00206	.00034	.00100	.00003	.00006	.00068
%RSD	4.9392	1.8553	.31070	5.0625	12.982	.69189	10.244
#1	.03496	.10945	.10869	.02077	.00021	.00922	.00589
#2	.03171	.11044	.10820	.01878	.00026	.00914	.00689
#3	.03385	.11341	.10805	.01963	.00021	.00910	.00720

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01015	.06225	.01908	.10150	.04848	.00211	.00478
SDev	.00019	.00218	.00023	.00075	.00015	.00371	.00271
%RSD	1.8774	3.5063	1.1846	.73544	.30610	175.57	56.626
#1	.01018	.06249	.01907	.10118	.04838	.00417	.00467
#2	.00994	.06430	.01931	.10235	.04865	.00434	.00754
#3	.01032	.05995	.01886	.10097	.04841	-.00217	.00213

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00692	.00877	.02978	.00105	.07961	.00282	.01098
SDev	.00120	.00180	.00009	.00023	.00217	.00170	.00145
%RSD	17.404	20.569	.28608	21.485	2.7265	60.277	13.176
#1	.00678	.00809	.02982	.00092	.07710	.00343	.01086
#2	.00579	.01081	.02984	.00092	.08077	.00412	.00960
#3	.00818	.00740	.02968	.00131	.08095	.00090	.01248

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01168	-.00171	.02006	-.07142	-.00071	.01984	.00032
SDev	.00187	.00120	.00003	.00898	.00103	.00312	.00016
%RSD	16.011	70.194	.17678	12.569	145.02	15.734	49.750
#1	.01383	-.00297	.02007	-.06110	-.00120	.02129	.00024
#2	.01043	-.00159	.02009	-.07741	.00048	.02197	.00050
#3	.01078	-.00058	.02002	-.07575	-.00141	.01626	.00021

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.09523	.04076	.0072	.0123	.1101
SDev	.00050	.00037	.0001	.0014	.0006
%RSD	.52893	.91701	2.053	10.96	.4994
#1	.09481	.04062	.0070	.0137	.1098
#2	.09579	.04119	.0073	.0110	.1097
#3	.09509	.04048	.0071	.0122	.1107

Method: EPA Sample Name: ICSA Operator:
Run Time: 07/15/96 11:08:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	423.52	.00288	-.00143	-.00496	-.00214	.00172	-.00051
SDev	.48	.00417	.00182	.00191	.00000	.00016	.00034
%RSD	.11257	144.75	127.66	38.506	.05089	9.4439	66.989
#1	423.98	.00061	-.00304	-.00485	-.00214	.00191	-.00074
#2	423.54	.00769	-.00179	-.00692	-.00214	.00166	-.00066
#3	423.03	.00034	.00055	-.00310	-.00214	.00160	-.00012

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00658	440.49	-.00011	.00146	-.00057	186.94	-.00300
SDev	.00014	1.57	.00043	.00041	.00009	.19	.00277
%RSD	2.1666	.35609	376.86	27.883	16.452	.10259	92.339
#1	.00647	438.82	-.00061	.00099	-.00051	186.72	-.00363
#2	.00674	440.70	.00006	.00169	-.00052	187.02	-.00540
#3	.00654	441.94	.00020	.00169	-.00068	187.08	.00003

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00555	461.78	-.00631	.00015	.00143	.00699	-.00407
SDev	.00125	.79	.00012	.00122	.00101	.00344	.00471
%RSD	22.500	.17131	1.8953	809.16	70.750	49.250	115.70
#1	.00522	462.52	-.00639	.00150	.00048	.01062	-.00814
#2	.00693	461.87	-.00636	-.00090	.00132	.00377	-.00515
#3	.00450	460.95	-.00617	-.00014	.00249	.00658	.00109

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00036	.03176	-.00028	.11267	.00344	-.00618	-.00080
SDev	.00461	.00259	.00011	.03302	.00265	.00824	.00014
%RSD	1273.8	8.1461	38.312	29.303	76.964	133.34	18.124
#1	.00149	.03391	-.00040	.14450	.00376	L-.01378	-.00065
#2	.00303	.02889	-.00022	.11493	.00065	-.00732	-.00094
#3	-.00561	.03249	-.00022	.07858	.00592	.00257	-.00080

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00163	.00583	.0038	-.0006	.0009
SDev	.00081	.00022	.0004	.0018	.0017
%RSD	49.689	3.8655	10.01	288.4	188.5
#1	.00085	.00583	.0034	-.0008	-.0010
#2	.00157	.00560	.0039	.0013	.0022
#3	.00247	.00605	.0041	-.0024	.0014

Method: EPA Sample Name: ICSAB Operator:
Run Time: 07/15/96 11:14:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	425.85	.62835	.61277	.10089	.56079	.48046	.00479
SDev	.23	.00318	.00407	.00276	.00081	.00112	.00072
%RSD	.05483	.50695	.66342	2.7325	.14371	.23322	14.956
#1	425.67	.63194	.61637	.09802	.56162	.47921	.00407
#2	425.77	.62728	.61357	.10111	.56002	.48080	.00550
#3	426.11	.62584	.60836	.10352	.56072	.48138	.00478

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.96463	446.13	.49078	.48395	.57002	187.88	.05161
SDev	.00110	1.50	.00147	.00083	.00118	.38	.00541
%RSD	.11353	.33721	.30013	.17188	.20709	.19998	10.475
#1	.96375	444.44	.48912	.48304	.57131	187.44	.05629
#2	.96428	446.64	.49129	.48467	.56975	188.10	.04569
#3	.96586	447.32	.49193	.48413	.56899	188.09	.05286

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.05502	461.67	.49406	.00392	.95579	.03074	.05066
SDev	.00204	.49	.00145	.00080	.00485	.00334	.01227
%RSD	3.7123	.10647	.29317	20.456	.50793	10.880	24.219
#1	.05604	461.13	.49239	.00483	.95030	.03343	.05842
#2	.05267	461.80	.49497	.00359	.95756	.02700	.03651
#3	.05635	462.09	.49482	.00333	.95952	.03180	.05704

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04592	.03908	.22874	.19321	.00866	.09172	.00468
SDev	.00120	.00087	.00052	.06632	.00401	.00092	.00017
%RSD	2.6125	2.2322	.22855	34.323	46.330	.99776	3.5697
#1	.04466	.03821	.22838	.26967	.00996	.09209	.00468
#2	.04604	.03908	.22850	.15867	.01185	.09239	.00452
#3	.04705	.03995	.22934	.15131	.00416	.09068	.00485

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.50271	1.0521	.0551	.0484	.6189
SDev	.00086	.0035	.0031	.0040	.0037
%RSD	.17178	.33144	5.637	8.356	.5966
#1	.50181	1.0481	.0573	.0502	.6225
#2	.50279	1.0538	.0515	.0438	.6190
#3	.50353	1.0544	.0564	.0513	.6151

Method: EPA Sample Name: CCV Operator:
Run Time: 07/15/96 11:19:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	5.0771	1.0048	1.0084	1.0089	5.1830	.12531	2.5142
SDev	.0044	.0094	.0038	.0038	.0087	.00026	.0026
%RSD	.08697	.93426	.37358	.37912	.16723	.20872	.10295
#1	5.0801	.99680	1.0057	1.0045	5.1845	.12560	2.5113
#2	5.0720	1.0151	1.0068	1.0109	5.1737	.12522	2.5153
#3	5.0792	1.0025	1.0127	1.0113	5.1909	.12510	2.5161

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.50757	12.578	.50431	1.2607	.62275	2.5326	1.0067
SDev	.00169	.016	.00029	.0007	.00118	.0007	.0022
%RSD	.33316	.12339	.05772	.05263	.18896	.02625	.22252
#1	.50584	12.578	.50463	1.2604	.62208	2.5326	1.0088
#2	.50922	12.594	.50406	1.2603	.62205	2.5332	1.0044
#3	.50766	12.563	.50424	1.2615	.62411	2.5319	1.0069

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.0083	12.394	1.2625	2.5504	1.2626	12.838	1.0001
SDev	.0042	.016	.0008	.0041	.0021	.046	.0038
%RSD	.41591	.12863	.06545	.16101	.16945	.35893	.38437
#1	1.0039	12.378	1.2627	2.5459	1.2603	12.831	.99565
#2	1.0088	12.392	1.2632	2.5540	1.2629	12.795	1.0018
#3	1.0122	12.410	1.2616	2.5513	1.2645	12.887	1.0027

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0023	2.4904	.62636	12.242	2.5362	1.0038	2.5214
SDev	.0049	.0010	.00020	.025	.0047	.0016	.0022
%RSD	.48633	.04045	.03152	.20547	.18516	.15910	.08831
#1	.99716	2.4900	.62633	12.259	2.5312	1.0020	2.5218
#2	1.0028	2.4915	.62618	12.254	2.5405	1.0045	2.5190
#3	1.0069	2.4897	.62657	12.213	2.5367	1.0050	2.5234

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.2552	1.2977	1.009	1.002	1.008
SDev	.0002	.0014	.002	.004	.004
%RSD	.01877	.11135	.2472	.4475	.3905
#1	1.2554	1.2986	1.007	.9975	1.003
#2	1.2549	1.2986	1.008	1.003	1.010
#3	1.2551	1.2961	1.011	1.006	1.010

Method: EPA Sample Name: CCB Operator:
Run Time: 07/15/96 11:24:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	.01230	.00186	-.00040	-.00056	.00056	.00003	.00085
SDev	.00568	.00147	.00176	.00046	.00008	.00013	.00053
%RSD	46.140	78.939	444.27	82.898	14.684	495.66	62.140
#1	.01785	.00296	.00015	-.00010	.00063	.00016	.00134
#2	.01253	.00019	.00102	-.00102	.00058	.00002	.00091
#3	.00651	.00241	-.00236	-.00056	.00047	-.00010	.00029

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00017	.00987	-.00016	.00081	-.00046	.00386	-.00294
SDev	.00023	.00250	.00020	.00026	.00015	.00689	.00072
%RSD	130.77	25.337	124.09	31.668	33.789	178.40	24.598
#1	-.00002	.01227	-.00036	.00055	-.00061	-.00112	-.00212
#2	-.00007	.01006	.00004	.00081	-.00046	.00098	-.00320
#3	-.00044	.00728	-.00017	.00106	-.00030	.01172	-.00349

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00113	.01858	.00015	.00373	-.00029	.00575	.00131
SDev	.00110	.00243	.00009	.00194	.00086	.00303	.00267
%RSD	96.958	13.082	58.120	52.032	292.69	52.654	203.76
#1	.00239	.02111	.00005	.00586	-.00094	.00367	.00210
#2	.00036	.01836	.00020	.00325	-.00063	.00436	-.00166
#3	.00065	.01627	.00020	.00207	.00068	.00923	.00349

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00145	-.00384	.00016	.01010	.00283	.00117	.00068
SDev	.00125	.00068	.00011	.02369	.00254	.00226	.00020
%RSD	85.808	17.710	67.529	234.54	89.869	192.33	29.839
#1	.00148	-.00445	.00028	.03629	.00575	.00087	.00091
#2	.00269	-.00311	.00005	-.00986	.00157	-.00092	.00058
#3	.00019	-.00397	.00016	.00388	.00117	.00357	.00055

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00028	-.00114	.0007	.0022	.0012
SDev	.00028	.00035	.0009	.0003	.0011
%RSD	100.81	30.979	138.5	11.40	89.50
#1	.00028	-.00081	.0018	.0024	.0020
#2	-.00000	-.00108	.0001	.0020	.0016
#3	.00056	-.00151	.0001	.0020	-.0000

Method: EPA Sample Name: 238926 5X Operator:
Run Time: 07/15/96 11:29:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	19.365	.01004	.00949	.03155	.49537	.00059	.20536
SDev	.024	.00152	.00052	.00262	.00062	.00007	.00121
%RSD	.12192	15.090	5.5240	8.3182	.12490	12.557	.58833
#1	19.338	.01051	.01006	.03082	.49466	.00067	.20530
#2	19.380	.01128	.00903	.02937	.49574	.00059	.20419
#3	19.377	.00835	.00938	.03446	.49572	.00052	.20660

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.29899	5.7862	.03082	.01417	4.2392	54.600	5.7150
SDev	.00094	.0147	.00018	.00041	.0080	.015	.0139
%RSD	.31389	.25438	.59692	2.8797	.18984	.02834	.24298
#1	.29791	5.8024	.03063	.01380	4.2300	54.605	5.7011
#2	.29962	5.7737	.03081	.01461	4.2431	54.611	5.7151
#3	.29945	5.7824	.03100	.01409	4.2446	54.582	5.7289

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	5.7516	3.3816	.42244	.00321	.53218	.69041	.00359
SDev	.0220	.0074	.00024	.00019	.00178	.00137	.00112
%RSD	.38292	.21779	.05768	5.8108	.33433	.19783	31.183
#1	5.7268	3.3823	.42261	.00340	.53353	.68971	.00481
#2	5.7688	3.3739	.42216	.00303	.53016	.69198	.00333
#3	5.7591	3.3886	.42255	.00319	.53284	.68954	.00262

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00489	.50973	.11264	.16829	1.1141	.00438	.36654
SDev	.00079	.00295	.00031	.06322	.0018	.00260	.00029
%RSD	16.240	.57826	.27805	37.569	.16072	59.320	.07797
#1	.00449	.50655	.11265	.23111	1.1157	.00737	.36656
#2	.00581	.51026	.11232	.16908	1.1122	.00269	.36624
#3	.00437	.51238	.11294	.10467	1.1144	.00308	.36681

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.02706	2.4423	5.740	.0053	.0105
SDev	.00057	.0015	.018	.0006	.0006
%RSD	2.1101	.06135	.3199	11.42	5.761
#1	.02769	2.4423	5.719	.0055	.0110
#2	.02689	2.4408	5.752	.0058	.0106
#3	.02659	2.4438	5.750	.0047	.0098

Method: EPA Sample Name: 238926L 5X Operator:
Run Time: 07/15/96 11:34:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	3.9160	.00224	.00143	.00244	.09968	.00024	.04074
SDev	.0042	.00100	.00201	.00133	.00014	.00004	.00131
%RSD	.10843	44.437	140.91	54.704	.13879	18.318	3.2267
#1	3.9164	.00298	.00373	.00241	.09976	.00027	.03979
#2	3.9200	.00111	.00005	.00378	.09977	.00019	.04019
#3	3.9115	.00264	.00050	.00112	.09952	.00026	.04224

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.06024	1.1652	.00570	.00364	.85472	11.004	1.1644
SDev	.00018	.0022	.00017	.00029	.00069	.025	.0034
%RSD	.30404	.19108	3.0602	8.0514	.08115	.22453	.29079
#1	.06037	1.1666	.00583	.00381	.85420	11.025	1.1666
#2	.06031	1.1664	.00577	.00381	.85551	11.011	1.1660
#3	.06003	1.1627	.00550	.00330	.85445	10.977	1.1605

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.1758	.68647	.08471	.00060	.10720	.13660	.00149
SDev	.0018	.00216	.00023	.00068	.00092	.00364	.00187
%RSD	.15544	.31484	.27152	112.81	.85982	2.6635	125.95
#1	1.1741	.68486	.08496	.00003	.10804	.13808	.00302
#2	1.1755	.68563	.08467	.00136	.10622	.13245	.00204
#3	1.1778	.68893	.08450	.00042	.10735	.13927	-.00060

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00069	.10385	.02213	-.03343	.22803	.00007	.07358
SDev	.00224	.00127	.00018	.03417	.00356	.00129	.00024
%RSD	324.10	1.2200	.81916	102.22	1.5608	1958.5	.32637
#1	.00174	.10506	.02196	-.03432	.22773	.00017	.07377
#2	-.00113	.10394	.02232	-.06715	.23173	-.00127	.07366
#3	-.00268	.10254	.02212	.00118	.22463	.00130	.07331

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00544	.51496	1.173	.0009	.0025
SDev	.00044	.00138	.000	.0021	.0016
%RSD	8.0486	.26785	.0310	228.9	64.81
#1	.00497	.51642	1.173	.0030	.0042
#2	.00583	.51476	1.173	.0008	.0012
#3	.00553	.51369	1.173	-.0011	.0020

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Method: EPA Sample Name: CRI Operator:
Run Time: 07/15/96 11:39:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	.04623	.11237	.11114	.02057	.00007	.00956	.00653
SDev	.00160	.00122	.00473	.00290	.00006	.00007	.00066
%RSD	3.4577	1.0848	4.2537	14.073	87.074	.75187	10.063
#1	.04467	.11124	.10625	.02354	.00011	.00963	.00590
#2	.04615	.11366	.11149	.01776	.00011	.00949	.00722
#3	.04786	.11220	.11568	.02041	-.00000	.00956	.00647

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00972	.05838	.01970	.10127	.04938	.01219	.00557
SDev	.00016	.00088	.00030	.00049	.00024	.00674	.00115
%RSD	1.6950	1.4991	1.5308	.48118	.49183	55.319	20.646
#1	.00958	.05929	.01956	.10172	.04911	.01991	.00656
#2	.00967	.05755	.02004	.10075	.04949	.00747	.00431
#3	.00990	.05831	.01949	.10135	.04956	.00918	.00583

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00682	.01104	.02973	.00016	.08040	.00775	.01146
SDev	.00084	.00144	.00006	.00012	.00060	.00106	.00235
%RSD	12.260	13.039	.19018	77.782	.74056	13.732	20.506
#1	.00589	.01150	.02979	.00002	.07976	.00838	.01198
#2	.00707	.00943	.02973	.00018	.08052	.00835	.00889
#3	.00751	.01220	.02968	.00026	.08093	.00652	.01350

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01022	-.00074	.02046	-.08578	-.00124	.02025	.00021
SDev	.00276	.00194	.00018	.05722	.00209	.00291	.00008
%RSD	27.009	261.19	.88719	66.711	167.57	14.389	36.585
#1	.01214	-.00110	.02031	-.07360	.00047	.01820	.00025
#2	.00705	-.00248	.02043	-.03562	-.00063	.01897	.00025
#3	.01146	.00135	.02066	-.14811	-.00357	.02359	.00012

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.09536	.04075	.0074	.0115	.1123
SDev	.00026	.00034	.0005	.0026	.0034
%RSD	.27649	.83116	6.429	22.33	3.033
#1	.09561	.04113	.0071	.0130	.1087
#2	.09509	.04049	.0071	.0085	.1130
#3	.09537	.04063	.0079	.0130	.1154

Method: EPA Sample Name: ICSA Operator:
Run Time: 07/15/96 11:45:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	423.00	.00599	-.00102	.00006	-.00174	.00210	-.00064
SDev	1.29	.00587	.00416	.00571	.00002	.00003	.00034
%RSD	.30491	98.034	407.26	8889.3	1.4120	1.2928	52.761
#1	421.59	-.00043	.00165	.00647	-.00177	.00207	-.00069
#2	423.28	.00730	.00110	-.00179	-.00173	.00212	-.00028
#3	424.12	.01110	-.00581	-.00448	-.00173	.00210	-.00095

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00725	436.93	.00071	.00165	-.00031	183.92	-.00116
SDev	.00085	3.53	.00023	.00029	.00006	1.18	.00217
%RSD	11.734	.80763	32.077	17.757	17.809	.64023	187.16
#1	.00774	433.37	.00066	.00197	-.00037	182.75	.00027
#2	.00774	436.99	.00096	.00155	-.00026	183.89	-.00009
#3	.00627	440.42	.00051	.00141	-.00030	185.11	-.00366

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00722	457.60	-.00593	-.00136	.00601	-.00409	-.00443
SDev	.00194	2.20	.00002	.00167	.00091	.01344	.00543
%RSD	26.926	.48062	.27570	123.03	15.213	328.22	122.60
#1	.00703	455.42	-.00591	.00004	.00706	-.01950	-.00491
#2	.00538	457.58	-.00593	-.00320	.00541	.00520	.00123
#3	.00925	459.81	-.00594	-.00090	.00556	.00201	-.00959

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00951	.03122	.00017	.13677	.00851	-.00823	-.00078
SDev	.00772	.00162	.00021	.06205	.00355	.00127	.00018
%RSD	81.223	5.1791	124.58	45.366	41.731	15.481	22.565
#1	-.01160	.03298	-.00003	.07444	.00929	-.00832	-.00094
#2	-.01596	.02981	.00040	.19853	.01160	-.00692	-.00059
#3	-.00095	.03085	.00015	.13735	.00463	-.00946	-.00081

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00165	.00693	.0055	L-.0069	.0023
SDev	.00035	.00054	.0008	.0035	.0017
%RSD	21.172	7.8165	13.84	51.02	74.94
#1	.00180	.00634	.0059	L-.0084	.0019
#2	.00125	.00706	.0046	L-.0094	.0041
#3	.00189	.00740	.0060	-.0029	.0008

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Method: EPA Sample Name: ICSAB Operator:
Run Time: 07/15/96 11:50:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	419.25	.60912	.60138	.09976	.55037	.46593	.00389
SDev	.67	.01544	.00460	.00317	.00079	.00140	.00055
%RSD	.16036	2.5341	.76569	3.1754	.14405	.29977	14.189
#1	418.54	.59390	.60402	.09688	.54955	.46443	.00325
#2	419.87	.60868	.60406	.10315	.55045	.46719	.00416
#3	419.34	.62476	.59606	.09925	.55113	.46617	.00425

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.93787	432.34	.47472	.46975	.56065	181.63	.04333
SDev	.00242	1.27	.00166	.00179	.00218	.50	.00307
%RSD	.25823	.29316	.34888	.38069	.38904	.27270	7.0741
#1	.93517	431.38	.47346	.46825	.55816	181.16	.04210
#2	.93986	433.78	.47660	.47173	.56153	182.15	.04682
#3	.93857	431.87	.47411	.46927	.56225	181.57	.04106

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.05753	450.55	.47796	.00296	.92830	.01542	.05154
SDev	.00538	.79	.00110	.00125	.00257	.01873	.00133
%RSD	9.3571	.17579	.23070	42.238	.27642	121.42	2.5705
#1	.05420	449.67	.47723	.00189	.92584	-.00619	.05138
#2	.05466	451.20	.47923	.00434	.92810	.02553	.05293
#3	.06374	450.78	.47743	.00266	.93096	.02693	.05030

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04569	.03657	.22350	.14958	.00591	.08507	.00419
SDev	.00489	.00168	.00065	.13050	.00424	.00628	.00022
%RSD	10.695	4.5888	.29275	87.244	71.686	7.3815	5.1557
#1	.04160	.03471	.22274	.05474	.00964	.08556	.00413
#2	.04437	.03797	.22389	.29842	.00678	.09109	.00443
#3	.05110	.03703	.22387	.09559	.00130	.07856	.00401

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.48882	1.0202	.0540	.0486	.6049
SDev	.00101	.0036	.0031	.0030	.0029
%RSD	.20589	.35045	5.710	6.201	.4736
#1	.48822	1.0173	.0514	.0458	.6016
#2	.48998	1.0242	.0532	.0482	.6065
#3	.48825	1.0191	.0574	.0518	.6066

Method: EPA Sample Name: CCV Operator:
Run Time: 07/15/96 11:55:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	5.0969	1.0013	1.0072	.99595	5.1895	.12374	2.5041
SDev	.0053	.0023	.0029	.00029	.0099	.00031	.0055
%RSD	.10393	.22902	.29243	.02950	.19142	.25100	.22122
#1	5.0913	.99885	1.0053	.99614	5.1786	.12371	2.4997
#2	5.1018	1.0018	1.0058	.99561	5.1920	.12345	2.5025
#3	5.0977	1.0034	1.0106	.99610	5.1979	.12407	2.5103

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.49867	12.301	.49364	1.2411	.62401	2.4704	.99341
SDev	.00118	.047	.00162	.0040	.00076	.0138	.00341
%RSD	.23709	.38525	.32733	.32443	.12121	.55713	.34277
#1	.49843	12.295	.49328	1.2396	.62314	2.4851	.99082
#2	.49762	12.256	.49222	1.2379	.62452	2.4579	.99727
#3	.49995	12.351	.49540	1.2456	.62436	2.4683	.99215

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	1.0020	12.332	1.2389	2.5215	1.2488	13.038	1.0012
SDev	.0008	.035	.0040	.0099	.0012	.032	.0076
%RSD	.07840	.28039	.32469	.39414	.09710	.24721	.75541
#1	1.0018	12.305	1.2371	2.5164	1.2474	13.012	.99466
#2	1.0013	12.320	1.2360	2.5152	1.2493	13.074	1.0095
#3	1.0028	12.371	1.2435	2.5330	1.2497	13.029	.99948

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0006	2.4738	.61930	12.276	2.4960	1.0003	2.4952
SDev	.0057	.0045	.00107	.049	.0114	.0114	.0046
%RSD	.56817	.18228	.17241	.40229	.45644	1.1409	.18460
#1	.99966	2.4697	.61938	12.219	2.4871	.98757	2.4932
#2	.99538	2.4732	.61819	12.308	2.4920	1.0095	2.4919
#3	1.0066	2.4786	.62032	12.300	2.5088	1.0039	2.5004

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.2384	1.2784	1.000	1.002	1.006
SDev	.0023	.0055	.001	.003	.003
%RSD	.18954	.43383	.0894	.3182	.2552
#1	1.2368	1.2752	.9994	.9989	1.004
#2	1.2374	1.2751	1.001	1.001	1.005
#3	1.2411	1.2848	1.000	1.005	1.009

Analysis Report Mon 07-15-96 12:05:33 PM page 1

Method: EPA Sample Name: CCB Operator:
Run Time: 07/15/96 12:00:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	2068-1	2068-2	As1890	Ba4934	Be3130	B_2496
Units	ppm			ppm	ppm	ppm	ppm
Avge	.02776	.00128	-.00014	-.00189	.00062	.00024	.00088
SDev	.00497	.00141	.00145	.00132	.00011	.00014	.00073
%RSD	17.888	110.55	1029.7	69.567	18.139	57.296	82.723
#1	.03258	.00050	.00154	-.00111	.00075	.00039	.00121
#2	.02804	.00043	-.00102	-.00341	.00059	.00020	.00005
#3	.02266	.00291	-.00094	-.00115	.00053	.00013	.00139

Elem	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714	2203-1
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00013	.00633	.00007	.00096	-.00067	.00510	-.00407
SDev	.00022	.00587	.00028	.00045	.00032	.00716	.00250
%RSD	176.71	92.812	389.07	46.734	47.484	140.60	61.263
#1	-.00002	.01275	.00039	.00054	-.00045	.01261	-.00119
#2	.00002	.00500	-.00015	.00092	-.00052	.00434	-.00541
#3	-.00038	.00123	-.00002	.00143	-.00103	-.00166	-.00562

Elem	2203-2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	1960-1
Units		ppm	ppm	ppm	ppm	ppm	
Avge	.00124	.02030	.00008	.00371	.00015	.00607	.00546
SDev	.00019	.00323	.00005	.00279	.00046	.00194	.00257
%RSD	15.079	15.930	57.960	75.167	315.37	31.930	46.929
#1	.00107	.02404	.00013	.00689	.00068	.00756	.00623
#2	.00120	.01845	.00005	.00260	-.00012	.00676	.00756
#3	.00144	.01842	.00005	.00165	-.00012	.00388	.00260

Elem	1960-2	Si2881	Ag3280	Na3302	Sn1899	Tl1908	Ti3349
Units		ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00135	-.00216	.00019	-.09449	.00329	.00058	.00076
SDev	.00343	.00084	.00003	.02274	.00202	.00202	.00024
%RSD	253.34	39.042	17.754	24.062	61.291	349.25	32.128
#1	-.00217	-.00136	.00023	-.10332	.00562	.00096	.00103
#2	.00468	-.00209	.00017	-.06866	.00208	.00238	.00069
#3	.00155	-.00304	.00017	-.11149	.00217	-.00160	.00056

Elem	V_2924	Zn2138	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00010	-.00140	.0003	.0036	.0012
SDev	.00044	.00034	.0007	.0026	.0008
%RSD	439.34	24.489	216.5	72.45	69.49
#1	.00058	-.00144	.0012	.0015	.0020
#2	-.00028	-.00104	-.0001	.0065	.0003
#3	.00000	-.00172	-.0000	.0028	.0012

1708 Paul Cous 7-15-96

MERCURY Chronicle: Manual/Automated

Date 7/11/96 Batch(es) 2632 SDG: RIN2 Matrix Soil/Water

Analyst [illegible] Review [illegible]

Standards Concentration ppb	Peak Height mm (Manual)	Standard Lot No.'s
0.0		Standards: MSC - 267 - 2
0.2		ICV, LCS : MSC - 267 - 4
0.5		
1.0		
5.0		
10.0		

	ICM Sample ID No.		EPA/DEP/Client Sample ID	Time (Manual)	Peak Height mm (Manual)	Concentration (Manual/Automated)
1	ICV	1				3.86
2	ICB	2				0.060
	CCV	3				5.20
	CCB	4				0.054
3	CRA	5				0.263
4	PBS	6				0.069
5	PBS2	7				0.088
6	LCSS	8				4.55
7	LCSS2	9				4.54
8	238909	10				0.302
9	238910	11				0.801
10	238911	12				0.349
11	238912	13				0.404
12	238913	14				0.395
	CCV	15				4.99
	CCB	16				0.056
13	238913D	17				0.391
14	238913S	18				1.38
15	238914	19				0.654
16	238914D	20				0.658
17	238914S	21				1.64
18	238915	22				0.239

MERCURY Chronicle: Manaual/Automated

	ICM Sample ID No.		EPA/DEP/Client Sample ID	Time (Manual)	Peak Height mm (Manual)	Concentration (Manual/Automated)
19	238916	23				0.676
20	238917	24				0.375
21	238918	25				0.346
22	238919	26				1.06
	CCV	27				5.16
	CCB	28				0.056
23	238920	29				0.964
24	238921	30				2.38
25	238922	31				13.8
26	238923	32				0.168
27	238924	33				3.10
28	238925	34				0.503
29	238926	35				3.79
30	238927	36				0.249
31	238928	37				42.1
32	238931	38				0.338
	CCV	39				5.20
	CCB	40				0.054
33	238932	41				0.455
34	PBW	42				0.075
35	LCSW	43				3.90
36	238939	44				0.066
37	238940	45				0.076
38	238941	46				1.08
	CCV	47				5.16
	CCB	48				0.056
39	238942 (2x)	49				6.84 x 2 = 13.7
40	238943 (10x)	50				4.51 x 10 = 45.1

MERCURY Chronicle: Manaual/Automated

ICM Sample ID No.	EPA/DEP/Client Sample ID	Time (Manual)	Peak Height mm (Manual)	Concentration (Manual/Automated)
CCV 51				5.18
CCB 52				0.057

SECONDARY DILUTIONS

ICM Sample ID	Preparation Initial Final	2 Volume Aliquoted	Final Volume	DF	Final Conc. ppb

#	Lab. Name	Date	Time	Type	Dil	Concentration in UG/L 1	2	3	4
1	ICV1	07/11/96	14:57:00	0	1.0	3.8600			
2	ICB1		15:00:00	0	1.0	0.0600			
3	CCV1-1		15:03:00	0	1.0	5.2000			
4	CCB1-1		15:05:00	0	1.0	0.0540			
5	CRA1		15:08:00	0	1.0	0.2630			
6	PBS		15:10:00	0	1.0	0.0690			
7	PBS2		15:13:00	0	1.0	0.0880			
8	LCSS		15:16:00	0	1.0	4.5500			
9	LCSS2		15:18:00	0	1.0	4.5400			
10	238909		15:21:00	0	1.0	0.3020			
11	238910		15:23:00	0	1.0	0.8010			
12	238911		15:26:00	0	1.0	0.3490			
13	238912		15:29:00	0	1.0	0.4040			
14	238913		15:31:00	0	1.0	0.3950			
15	CCV1-2		15:34:00	0	1.0	4.9900			
16	CCB1-2		15:37:00	0	1.0	0.0560			
17	238913D		15:39:00	0	1.0	0.3910			
18	238913S		15:42:00	0	1.0	1.3800			
19	238914		15:44:00	0	1.0	0.6540			
20	238914D		15:47:00	0	1.0	0.6580			
21	238914S		15:49:00	0	1.0	1.6400			
22	238915		15:52:00	0	1.0	0.2390			
23	238916		15:55:00	0	1.0	0.6760			
24	238917		15:57:00	0	1.0	0.3750			
25	238918		16:00:00	0	1.0	0.3460			
26	238919		16:02:00	0	1.0	1.0600			
27	CCV1-3		16:05:00	0	1.0	5.1600			
28	CCB1-3		16:08:00	0	1.0	0.0560			
29	238920		16:10:00	0	1.0	0.9640			
30	238921		16:13:00	0	1.0	2.3800			
31	238922		16:15:00	0	1.0	13.8000			
32	238923		16:18:00	0	1.0	0.1680			
33	238924		16:20:00	0	1.0	3.1000			
34	238925		16:23:00	0	1.0	0.5030			
35	238926		16:26:00	0	1.0	3.7900			
36	238927		16:28:00	0	1.0	0.2490			
37	238928		16:31:00	0	1.0	42.1000			
38	238931		16:33:00	0	1.0	0.3380			
39	CCV1-4		16:36:00	0	1.0	5.2000			
40	CCB1-4		16:39:00	0	1.0	0.0540			
41	238932		16:41:00	0	1.0	0.4550			
42	PBW		16:44:00	0	1.0	0.0750			
43	LCSW		16:46:00	0	1.0	3.9000			
44	238929		16:49:00	0	1.0	0.0660			
45	238929D		16:51:00	0	1.0	0.0760			
46	238929S		16:54:00	0	1.0	1.0800			
47	CCV1-5		16:57:00	0	1.0	5.1600			
48	CCB1-5		16:59:00	0	1.0	0.0560			
49	238922		17:21:00	0	2.0	6.8400			
50	238928		17:23:00	0	10.0	4.5100			
51	CCV1-5		17:26:00	0	1.0	5.1200			
52	CCB1-5		17:29:00	0	1.0	0.0570			
53				0	1.0				
54				0	1.0				
55				0	1.0				

*** Standard: 1 Rep: 1 Seq: 0 14:41:48 11 Jul 1996 HG

Hg .000 ppb -164
Ave. Int. = -164 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 1 14:44:24 11 Jul 1996 HG

Hg .200 ppb 3725
Ave. Int. = 3725 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 2 14:47:07 11 Jul 1996 HG

Hg .500 ppb 10509
Ave. Int. = 10509 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 3 14:49:48 11 Jul 1996 HG

Hg 1.00 ppb 21641
Ave. Int. = 21641 S. D. = 0

Line	Conc.	Units	ED/RED	1	2	3	4	5

*** Standard: 5 Rep: 1 Seq: 4 14:52:29 11 Jul 1996 HG

Hg	5.00	ppb	111014					

Ave. Int. = 111014 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 5 14:55:11 11 Jul 1996 HG

Hg	10.0	ppb	233110					

Ave. Int. = 233110 S. D. = 0

Protocol: WATERS ICM LABS

Rev: 3.001 Time: 14:55:19 11 Jul 1996

Folder: 07-11-96 Seq: 6 Print: On

User: Batch: Id: Std6Rep1 Cup: 1 43 Gas: 0.30 LPM

State: Idle Macro CAL245 51: F3 Print Xmit: Off Autosampler: On

CALIBRATION: Line Calibration

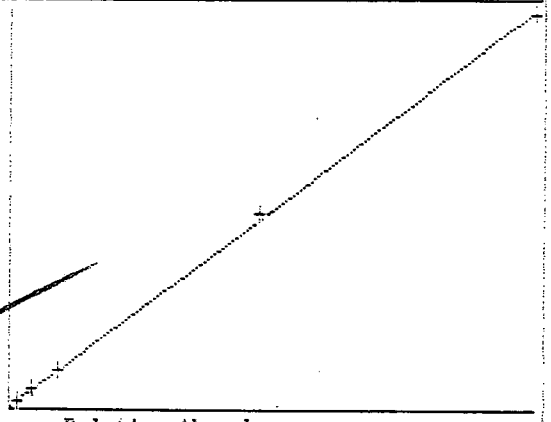
Line: Hg Not Accepted

	Conc.	Calc.	Dev.	
S1	.000	.056	.056	LiNear
S2	.200	.223	.023	Quadratic
S3	.500	.515	.015	WtdLinear
S4	1.00	.993	-.007	Accept
S5	5.00	4.83	-.167	
S6	10.0	10.1	.079	StdAdd

A .0000000 r .999761

B 4.29657e-5 C 6.33508e-2

Conc



Relative Absorbance

	Mean	%RSD	
S1	-164	0	-164
S2	3725	0	3725
S3	10589	0	10589
S4	21641	0	21641
S5	111014	0	111014
S6	233110	0	233110

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: ICV Seq: 6 14:57:50 11 Jul 1996 HG

Hg 3.86 ppb .000 3.86

*** Sample ID: ICB Seq: 7 15:00:27 11 Jul 1996 HG

Hg .060 ppb .000 .060

*** Check Standard: 2 Ck2 Seq: 8 15:03:05 11 Jul 1996 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.	5.20	5.00	ppb	.000

*** Check Standard: 1 Ck1 Seq: 9 15:05:44 11 Jul 1996 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.054	.200	ppb	.000

*** Sample ID: CRA Seq: 10 15:08:22 11 Jul 1996 HG

Hg .263 ppb .000 .263

*** Sample ID: PBS Seq: 11 15:10:58 11 Jul 1996 HG

Hg .069 ppb .000 .069

*** Sample ID: PBS Seq: 12 15:13:34 11 Jul 1996 HG

Hg .088 ppb .000 .088

*** Sample ID: LCSS Seq: 13 15:16:10 11 Jul 1996 HG

Hg 4.55 ppb .000 4.55

*** Sample ID: LCSS Seq: 14 15:18:46 11 Jul 1996 HG

Hg 4.54 ppb .000 4.54

*** Sample ID: 238909 Seq: 15 15:21:22 11 Jul 1996 HG

Hg .302 ppb .000 .302

*** Sample ID: 238910 Seq: 16 15:23:58 11 Jul 1996 HG

Hg .801 ppb .000 .801

*** Sample ID: 238911 Seq: 17 15:26:34 11 Jul 1996 HG

Hg .349 ppb .000 .349

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 238912 Seq: 18 15:29:10 11 Jul 1996 HG

Hg	.404	ppb	.000	.404

*** Sample ID: 238913 Seq: 19 15:31:45 11 Jul 1996 HG

Hg	.395	ppb	.000	.395

*** Check Standard: 2 Ck2 Seq: 20 15:34:22 11 Jul 1996 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.8	4.99	5.00	ppb	.000

*** Check Standard: 1 Ck1 Seq: 21 15:37:02 11 Jul 1996 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.056	.200	ppb	.000

*** Sample ID: 238913D Seq: 22 15:39:38 11 Jul 1996 HG

Hg	.391	ppb	.000	.391

*** Sample ID: 238913S Seq: 23 15:42:12 11 Jul 1996 HG

Hg	1.38	ppb	.000	1.38

*** Sample ID: 238914 Seq: 24 15:44:45 11 Jul 1996 HG

Hg	.654	ppb	.000	.654

*** Sample ID: 238914D Seq: 25 15:47:20 11 Jul 1996 HG

Hg	.658	ppb	.000	.658

*** Sample ID: 238914S Seq: 26 15:49:54 11 Jul 1996 HG

Hg	1.64	ppb	.000	1.64

*** Sample ID: 238915 Seq: 27 15:52:28 11 Jul 1996 HG

Hg	.239	ppb	.000	.239

*** Sample ID: 238916 Seq: 28 15:55:03 11 Jul 1996 HG

Hg	.676	ppb	.000	.676

*** Sample ID: 238917 Seq: 29 15:57:37 11 Jul 1996 HG

Hg	.375	ppb	.000	.375

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 238918 Seq: 30 16:00:12 11 Jul 1996 HG

Hg	.346	ppb	.000	.346

*** Sample ID: 238919 Seq: 31 16:02:47 11 Jul 1996 HG

Hg	1.06	ppb	.000	1.06

*** Check Standard: 2 Ck2 Seq: 32 16:05:25 11 Jul 1996 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	5.16	5.00	ppb	.000

*** Check Standard: 1 Ck1 Seq: 33 16:08:04 11 Jul 1996 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.056	.300	ppb	.000

*** Sample ID: 238920 Seq: 34 16:10:40 11 Jul 1996 HG

Hg	.964	ppb	.000	.964

*** Sample ID: 238921 Seq: 35 16:13:13 11 Jul 1996 HG

Hg	2.38	ppb	.000	2.38

*** Sample ID: 238922 Seq: 36 16:15:46 11 Jul 1996 HG

Hg	13.8	ppb	.000	13.8

*** Sample ID: 238923 Seq: 37 16:18:20 11 Jul 1996 HG

Hg	.168	ppb	.000	.168

*** Sample ID: 238924 Seq: 38 16:20:53 11 Jul 1996 HG

Hg	3.10	ppb	.000	3.10

*** Sample ID: 238925 Seq: 39 16:23:27 11 Jul 1996 HG

Hg	.503	ppb	.000	.503

*** Sample ID: 238926 Seq: 40 16:26:00 11 Jul 1996 HG

Hg	3.79	ppb	.000	3.79

*** Sample ID: 238927 Seq: 41 16:28:33 11 Jul 1996 HG

Hg	.249	ppb	.000	.249

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 238928 Seq: 42 16:31:07 11 Jul 1996 HG

Hg	42.1	ppb	.000	42.1

*** Sample ID: 238931 Seq: 43 16:33:55 11 Jul 1996 HG

Hg	.338	ppb	.000	.338

*** Check Standard: 2 Ck2 Seq: 44 16:36:32 11 Jul 1996 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.	5.20	5.00	ppb	.000

*** Check Standard: 1 Ck1 Seq: 45 16:39:11 11 Jul 1996 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.054	.200	ppb	.000

*** Sample ID: 238932 Seq: 46 16:41:47 11 Jul 1996 HG

Hg	.455	ppb	.000	.455

*** Sample ID: PBW Seq: 47 16:44:20 11 Jul 1996 HG

Hg	.075	ppb	.000	.075

*** Sample ID: LCSW Seq: 48 16:46:53 11 Jul 1996 HG

Hg	3.90	ppb	.000	3.90

*** Sample ID: 238929 Seq: 49 16:49:25 11 Jul 1996 HG

Hg	.066	ppb	.000	.066

*** Sample ID: 238929D Seq: 50 16:51:58 11 Jul 1996 HG

Hg	.076	ppb	.000	.076

*** Sample ID: 238929S Seq: 51 16:54:31 11 Jul 1996 HG

Hg	1.08	ppb	.000	1.08

*** Check Standard: 2 Ck2 Seq: 52 16:57:07 11 Jul 1996 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	5.16	5.00	ppb	.000

*** Check Standard: 1 Ck1 Seq: 53 16:59:46 11 Jul 1996 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.056	.200	ppb	.000

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 238922 Seq: 54 17:21:22 11 Jul 1996 HG

2X

Hg	6.84	ppb	.000	6.84

*** Sample ID: 238922 Seq: 55 17:23:55 11 Jul 1996 HG

10X

Hg	4.51	ppb	.000	4.51

*** Check Standard: 2 Ck2 Seq: 56 17:26:31 11 Jul 1996 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	5.12	5.00	ppb	.000

*** Check Standard: 1 Ck1 Seq: 57 17:29:10 11 Jul 1996 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.057	.200	ppb	.000

BATCH 2632

METALS SAMPLE PREPARATION LOG

Review: Lynne K. Maedel

SAMPLE ID No.	ICP		FURNACE		MERCURY		pH	COMMENTS
	Initial	Final	Initial	Final	Initial	Final		
PBS1	1.00	200			0.20	100		
PBS 2	1.00				0.20			
LCSS 1	1.00				0.20			
LCSS2	1.00				0.20			
238909	1.00				0.20			
238910	1.00				0.20			
238911	1.00				0.20			
238912	1.00				0.20			
238913	1.00				0.20			
238913D	1.00				0.20			
238913S	1.00				0.20			
238914	1.00				0.20			
238914D	1.00				0.20			
238914S	1.00				0.20			
238915	1.00				0.20			
238916	1.00				0.20			
238917	1.00				0.20			
238918	1.00				0.20			
238919	1.00				0.20			
238920	1.00				0.20			
238921	1.00				0.20			
238922	1.00				0.20			
238923	1.00				0.20			
238924	1.00				0.20			
238925	1.00				0.20			
238926	1.00				0.20			
238927	1.00				0.20			
238928	1.00				0.20			
238931	1.00				0.20			
238932	1.00				0.20			
Analyst	[illegible]				[illegible]			
Prep Date	7-10-96				7/10-96			
					07/11/96			Samples: Aliquoted Samples: Digested / Analyzed

Sample Spiked	Spike Added		Spike Added		Spike Added	
	Lot #	ml	Lot #	ml	Lot #	ml
238913 238914	SA-20-1	1.00			MS-267-2	1.0
	SA-20-3	2.00				
	SA-20-4	0.100				
	B-R-A-13	0.100				

Sample Spiked	Spike Added		Spike Added		Spike Added	
	Lot #	ml	Lot #	ml	Lot #	ml

Sample Spiked	Spike Added		Spike Added		Spike Added	
	Lot #	ml	Lot #	ml	Lot #	ml
LCSS1/LCSS2	B-R-23-5				B-R-23-5	

BATCH 2632 CONT

METALS SAMPLE PREPARATION LOG

Review: Gene K. Maedl

SAMPLE ID No.	ICP		FURNACE		MERCURY		pH	COMMENTS
	Initial	Final	Initial	Final	Initial	Final		
PBW	100	100			100	100	<2	
LCSW	↓	↓			↓	↓	↓	
238929								
238929D								
238929S	↓	↓			↓	↓	↓	

Analyst	[illegible]				[illegible]			
Prep Date	7.10.96				7.10.96			
					07/11/96	Samples: Aliquoted		
						Samples: Digested/Analyzed		
Sample Spiked	Spike Added		Spike Added		Spike Added			
	Lot #	ml	Lot #	ml	Lot #	ml		
238929	SA-20-1	0.50			MSC-267-2	1.0		
	SA-20-3	1.00						
	SA-20-4	0.05						
	B-R-19-13	0.05						
Sample Spiked	Spike Added		Spike Added		Spike Added			
	Lot #	ml	Lot #	ml	Lot #	ml		
Sample Spiked	Spike Added		Spike Added		Spike Added			
	Lot #	ml	Lot #	ml	Lot #	ml		
LCSW	B-R-23-10	0.100			MSC-267-4	4.0		
	B-R-19-1	0.100						
	SA-20-5	0.250						
	B-R-22-10	0.0125						

ICP Standard Preparation Log

Units: mg/L

Date 07/10/96

Analyst Grace K. Mandel

Lot Number IS.H. - 22 -1
Standard Name Std1/Blank/ICB/CCB
Final Volume 500mL
Preservatives 25mL HCl
5.0mL HNO

Lot Number IS.H - 22 -2
Standard Name Std2
Final Volume 200mL
Preservatives 10.0mL HCl
2.0mL HNO

Stock Added	mL	Conc.	Lot Number
CLPP-CAL-1	1.0	Multi	B-R-20 - 1
ICM-CLP-4	1.0	Multi	B-R-21 - 6

Lot Number IS.H - 07/10/96 -3
Standard Name Std3
Final Volume 200mL
Preservatives 10.0mL HCl
2.0mL HNO

Stock Added	mL	Conc.	Lot Number
CLPP-CAL-2	0.40	Sb 1000	B-R-20 - 3
CLPP-CAL-3	0.40	Multi	B-R-20 - 2

Lot Number IS.H - 22 -4
Standard Name CCV
Final Volume 400mL
Preservatives 20.0mL HCl
4.0mL HNO

Stock Added	mL	Conc.	Lot Number
CLPP-CAL-1	1.0	Multi	B-R-20 - 1
CLPP-CAL-2	0.40	Sb 1000	B-R-20 - 3
CLPP-CAL-3	0.40	Multi	B-R-20 - 2
ICM-CLP-4	1.0	Multi	B-R-21 - 6

Lot Number IS.H - 22 - 5
Standard Name ICV
Final Volume 200mL
Preservatives 10.0mL HCl
2.0mL HNO

Stock Added	mL	Conc.	Lot Number
ICM-CLP3T-1A	0.40	Multi	B-R-18 - 6
Silver	0.50	100	ISH-201 - 1
ICM-ICV-4	0.40	Multi	B-R-19 - 6
FES	1.0	Multi	ISH-201 - 2

Lot Number IS.H - 22 -6
Standard Name ICSAB
Final Volume 100mL
Preservatives 5.0mL HCl
1.0mL HNO

(Not for EPA CLP use)

Stck Added	mL	Conc.	Lot Number
CLPP-ICS-A	10.0	Multi	B-R-24 - 4
CLPP-ICS-B4	1.0	Multi	B-R-22 - 14

ICP Standard Preparation Log

Units: mg/L

Date 07-15-96

Analyst Paul [illegible]

Lot Number ISH - 23 -1
Standard Name Std1/Blank/ICB/CCB
Final Volume 500mL
Preservatives 25mL HCl
5.0mL HNO

Lot Number ISH - 23 -2
Standard Name Std2
Final Volume 200mL
Preservatives 10.0mL HCl
2.0mL HNO

Stock Added	mL	Conc.	Lot Number
CLPP-CAL-1	1.0	Multi	B-R-~~20~~ 27 -11
ICM-CLP-4	1.0	Multi	B-R-21 -6

Lot Number ISH - ~~23~~ 2 7-15 -3
Standard Name Std3
Final Volume 200mL
Preservatives 10.0mL HCl
2.0mL HNO

Stock Added	mL	Conc.	Lot Number
CLPP-CAL-2	0.40	Sb 1000	B-R-~~25~~ 24 -~~3~~ 2
CLPP-CAL-3	0.40	Multi	B-R-~~25~~ 24 -~~2~~ 1

Lot Number ISH - 23 -4
Standard Name CCV
Final Volume 400mL
Preservatives 20.0 mL HCl
4.0 mL HNO

Stock Added	mL	Conc.	Lot Number
CLPP-CAL-1	1.0	Multi	B-R-~~20~~ 24 - 11
CLPP-CAL-2	0.40	Sb 1000	B-R-~~20~~ 24 - ~~3~~ 2
CLPP-CAL-3	0.40	Multi	B-R-~~20~~ 24 -~~2~~ 1
ICM-CLP-4	1.0	Multi	B-R-21 -6

Lot Number ISH - 23 -5
Standard Name ICV
Final Volume 200mL
Preservatives 10.0mL HCl
2.0mL HNO

Stock Added	mL	Conc.	Lot Number
ICM-CLP3T-1A	0.40	Multi	B-R-~~18~~ 23 -~~6~~ 10
Silver	0.50	100	~~ISB~~ 07/15/96 201 - 1
ICM-ICV-4	0.40	Multi	B-R- 19 - 6
FES	1.0	Multi	~~ISB~~ 07/15/96 201 - 2

Lot Number ISH - 23 - 6
Standard Name ICSAB
Final Volume 100mL
Preservatives 5.0mL HCl
1.0mL HNO

Stck Added	mL	Conc.	Lot Number
CLPP-ICS-A	10.0	Multi	B-R- 24 - 4
CLPP-ICS-B4	1.0	Multi	B-R- 22 - 14

ICP Standard Preparation Log Units: mg/L

Date _____ Analyst _____

Lot Number ISH - 201 -1
Standard Name Silver @ 100ppm
Final Volume 100 mL
Preservatives — mL HCl
2.0 mL HNO_3

Stock Added	mL	Conc.	Lot Number
Silver	10.0	1000ppm	B-R-22-10

Lynne K. Maedel 06/06/96

Lot Number ISH - 201 -2
Standard Name FES
Final Volume 100 mL
Preservatives — mL HCl
2.0 mL HNO_3

Stock Added	mL	Conc.	Lot Number
Antimony	10.0	1000 ppm	B-R-19-6
Arsenic	1.0	10 000	B-R-18-7
Lead	10.0	1000	B-R-18-9
Selenium	1.0	10 000	B-R-18-10
Thallium	1.0	10 000	B-R-18-18

Lot Number ISH - 201 -3
Standard Name ICSAB (4.0 CLP Only)
Final Volume 500 mL
Preservatives — mL HCl
5.0 mL HNO_3

Stock Added	mL	Conc.	Lot Number
CLPP-ICS-A	50.0	Multi	B-R-23-9
CLPP-ICS-4B	5.0	Multi	B-R-22-14

06/13/96 Lynne K. Maedel

Lot Number ISH - 201 -4
Standard Name ICSA
Final Volume 100 mL
Preservatives — mL HCl
1.0 mL HNO_3

Stock Added	mL	Conc.	Lot Number
CLPP-ICS-A	10.0	Multi	B-R-23-9

06/13/96

Lot Number ISH - 201 -5
Standard Name CRI
Final Volume ~~100~~ 200 mL
Preservatives — mL HCl
2.0 mL HNO_3

Stock Added	mL	Conc.	Lot Number
CRDL Stock	0.20	Multi	B-R-21-5

06/13/96

Lot Number ISH - 201 -6
Standard Name CRI
Final Volume 100 mL
Preservatives — mL HCl
2.0 mL HNO_3

Stock Added	mL	Conc.	Lot Number
CRDL Stock	0.10	Multi	B-R-21-5

Lynne K. Maedel 06/26/96

ICP Standard Preparation Log Units: mg/L

Date _____ Analyst _____

Lot Number ISH - 203 -1
Standard Name CRI
Final Volume 200 mL
Preservatives ____ mL HCl
2.0 mL HNO_3

Stock Added	mL	Conc.	Lot Number
CRDL Stock	0.200	Multi	B-R-21-5

07/01/96 Jeanne K. Moedl

Lot Number ISH - 203 -2
Standard Name ICSA
Final Volume 100 mL
Preservatives ____ mL HCl
____ mL HNO_3

Stock Added	mL	Conc.	Lot Number
CLPP-ICS-A	~~Multi~~ 10.0 07/01/96 JK	Multi	B-R-24-4

Lot Number ISH - 203 -3
Standard Name ICSA
Final Volume 100 mL
Preservatives ____ mL HCl
2 mL HNO_3

Stock Added	mL	Conc.	Lot Number
ICS (0194)	10.0	Multi	B-R-24-7

07/02/96 Jeanne K. Moedl

Lot Number ISH - 203 -4
Standard Name ICSAB
Final Volume 100 mL
Preservatives ____ mL HCl
2 mL HNO_3

Stock Added	mL	Conc.	Lot Number
ICSB (0596)	10.0	Multi	B-R-24-8

Lot Number ISH - ~~CRI~~ 203 -5 07/01/96 JK
Standard Name CRI
Final Volume 200 mL
Preservatives 5 mL HCl
2 mL HNO_3

Stock Added	mL	Conc.	Lot Number
CRDL Stock	0.20	Multi	B-R-21-5

Lot Number ISH - ~~IC~~ 203 -6 07/01/96
Standard Name ICSA
Final Volume 100 mL
Preservatives 5 mL HCl
2 mL HNO_3

Stock Added	mL	Conc.	Lot Number
CLPP-ICS-A	10.0	Multi	B-R-24-4

07/03/96 Jeanne K. Moedl

ICP Standard Preparation Log Units: mg/L

Date _____ Analyst _____

Lot Number IS" - 204 -1
Standard Name ICSA
Final Volume ____ mL
Preservatives 5 mL HCl
2 mL HNO_3

Stock Added	mL	Conc.	Lot Number
~~CLP-ICS 07/03/96~~			
ICSA(0194)	10.0	Multi	B-R-24-7

07/03/96 Grace K. Moedl

Lot Number ISH 204 -2
Standard Name ICSAB
Final Volume 100 mL
Preservatives 5 mL HCl
2 mL HNO_3

Stock Added	mL	Conc.	Lot Number
ICSB(0596)	10.0	Multi	B-R-24-8

Lot Number ISH - ~~CRI~~ 204 07/03/96 -3
Standard Name CRI
Final Volume 100 mL
Preservatives 5 mL HCl
2 mL HNO_3

Stock Added	mL	Conc.	Lot Number
CRDL Stock	0.100	Multi	B-R-21-5

Lot Number IS^H - 204 -4
Standard Name CRI
Final Volume 100 mL
Preservatives 5 mL HCl
2 mL HNO

Stock Added	mL	Conc.	Lot Number
CRDL STOCK	0.100	MULTI	B-R-21.5

Lot Number ISH - 204 -5
Standard Name ICSAB
Final Volume 100 mL
Preservatives 5 mL HCl
2 mL HNO

Stock Added	mL	Conc.	Lot Number
ICSAB	10.0	MULTI	B-R-24-8

Lot Number IS^H - 204 -6
Standard Name ICSA
Final Volume 100 mL
Preservatives 5 mL HCl
2 mL HNO

Stock Added	mL	Conc.	Lot Number
ICSA	10.0	MULTI	B-R-24-7

Mercury Standard Preparation Log

Date 7/11/96

Analyst [illegible]

Lot Number MS C267 1
Std Name Hg Standards A
Final Volume 100 mL
Preservative 5.0 mL HNO_3

Stock Added	mL Added	Conc.	Lot No.
Mercury	1.0	1000 mg/L	B-R-23-8

Lot Number MS C267 2
Std Name Hg Standards B
Final Volume 200 mL
Preservative 10.0 mL HNO_3

Stock Added	mL Added	Conc.	Lot No.
Hg Standards B	2.0	10 mg/L	MS C-267-1

Working Standards Preparation

Blank = 0.0 mL Hg Standards B + 100 mL DI Water
0.0002 mg/L = 0.2 mL Hg Standards B + 100 mL DI Water
0.0005 mg/L = 0.5 mL Hg Standards B + 100 mL DI Water
0.0010 mg/L = 1.0 mL Hg Standards B + 99 mL DI Water
~~0.0020 mg/L = 2.0 mL Hg Standards B + 98 mL DI Water~~ 07/11/96
0.0050 mg/L = 5.0 mL Hg Standards B + 95 mL DI Water (Also CCV)
0.0100 mg/L = 10.0 mL Hg Standards B + 90 mL DI Water

Initial Calibration Verifier (ICV)

Lot Number MS C267 3
Std Name Hg ICV A
Final Volume 100 mL
Preservative 5.0 mL HNO_3

Stock Added	mL Added	Conc.	Lot No.
Mercury	1.0	1000 mg/L	B-R-19-8

Lot Number MS C267 4
Std Name Hg ICV B
Final Volume 100 mL
Preservative 5.0 mL HNO_3

Stock Added	mL Added	Conc.	Lot No.
Hg ICV A	1.0	10 mg/L	MS C-267-3

Working ICV Standard

0.0040 mg/L = 4.0 mL Hg ICV B + 96 mL DI Water

Page _____

PAGE 20

SPIKE STANDARD PREPARATION LOG - ICP

LOT NUMBER SA-20-1
STANDARD NAME TRACE 1
DATE PREPARED 06-04-96
ANALYST INIT. PR
FINAL VOL. (ML) 100
PRESERVATIVE(S)
ML HCL
2.0 ML HNO3

STOCK ADDED	ML	CONC.	LOT #
ICM-CLP-3T1A	20.0	MULTI	B-R-23-10
ICM-CLP4	20.0	MULTI	B-R-21-6

LOT NUMBER SA-20-2
STANDARD NAME TRACE 2
DATE PREPARED 06-04-96
ANALYST INIT. PR
FINAL VOL. (ML) 100
PRESERVATIVE(S)
ML HCL
2.0 ML HNO3

STOCK ADDED	ML	CONC.	LOT #
ARSENIC	2.0	10,000	B-R-18-7
LEAD	5.0	1000	B-R-22-11
SELENIUM	2.0	10,000	B-R-18-10
THALLIUM	2.0	10,000	B-R-18-8

LOT NUMBER SA-20-3
STANDARD NAME TRACE 3
DATE PREPARED 06-04-96
ANALYST INIT. PR
FINAL VOL. (ML) 100
PRESERVATIVE(S)
ML HCL
2.0 ML HNO3

STOCK ADDED	ML	CONC.	LOT #
ICM-3T-2	10.0	MULTI	B-R-18-5

LOT NUMBER SA-20-4
STANDARD NAME SILVER @ 100
DATE PREPARED 06-04-96
ANALYST INIT. PR
FINAL VOL. (ML) 100
PRESERVATIVE(S)
ML HCL
2.0 ML HNO3

STOCK ADDED	ML	CONC.	LOT #
SILVER @ 1000	10.00	1000	BR-22-10

LOT NUMBER SA-20-5
STANDARD NAME FES
DATE PREPARED 06-04-96
ANALYST INIT. PR
FINAL VOL. (ML) 100
PRESERVATIVE(S)
ML HCL
2.0 ML HNO3

STOCK ADDED	ML	CONC.	LOT #
ANTIMONY	10.0	1000	B-R-19-13
ARSENIC	1.0	10000	B-R-18-7
LEAD	10.0	1000	B-R-22-11
SELENIUM	1.0	10000	B-R-18-10
THALLIUM	1.0	10000	B-R-18-8

LOT NUMBER
STANDARD NAME
DATE PREPARED
ANALYST INIT.
FINAL VOL. (ML) 100
PRESERVATIVE(S)
ML HCL
ML HNO3

STOCK ADDED	ML	CONC.	LOT #

Lynn K. Mack

ICM STANDARD RECEIPT

ICM Lot # - B-R-24-1
Standard - CLPP-CAL-3
Conc. - Inorganic Ventures
Manufacturer - Multi
Mfr. Lot # - L-CICP04118
Date Rec.- 05/17/96
Exp. Date - 06/01/97

ICM Lot # - B-R-24-2
Standard - CLPP-CAL-2
Conc. - Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - ~~K-SB02~~ K-SB02037
Date Rec.- 05/17/96
Exp. Date -

ICM Lot # - B-R-24-2
Standard - CLPP-CAL-2
Conc. - Antimony @ 1000 ppm
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-SB02037
Date Rec.- 05/17/96
Exp. Date - 06/01/97

ICM Lot # - B-R-24-3
Standard - Sodium
Conc. - 9988 ppm
Manufacturer - Inorganic Ventures
Mfr. Lot # - L-NA02070
Date Rec.- 05/17/96
Exp. Date - 06/01/97

ICM Lot # - B-R-24-4
Standard - CLPP-ICS-A
Conc. - Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - L-MEB25128
Date Rec.- 06/05/96
Exp. Date - 07/01/97

ICM Lot # - B-R-24-5
Standard - CLPP-ICS-A
Conc. - Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - L-MEB25128
Date Rec.- 06/05/96
Exp. Date - 07/01/97

ICM Lot # - B-R-24-6
Standard - CLPP-ICS-B4
Conc. - Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-MEB25107
Date Rec.- 06/01/96
Exp. Date - 07/01/97

ICM Lot # - B-R-24-7
Standard - ICS (0194) Part A
Conc.- Multi
Manufacturer - ICF
Mfr. Lot # - ICSA0194
Date Rec. - 06/28/96
Exp. Date - Unknown

ICM Lot # - B-R-24-8
Standard - ICS (0596) Part B
Conc.- Multi
Manufacturer - ICF
Mfr. Lot # - ICSB0596
Date Rec. - 06/28/96
Exp. Date - Unknown

ICM Lot # - B-R-24-9
Standard - ~~IC~~ CLPP-ICS-B4
Conc.- ~~07/01/96~~ 07/01/96 Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-MEB25107
Date Rec. - 07/01/96
Exp. Date - 07/01/97

ICM Lot # - B-R-24-10
Standard - Copper
Conc.- 1006 µg/mL
Manufacturer - Inorganic Ventures
Mfr. Lot # - L-CU02031
Date Rec. - 07/02/96
Exp. Date - ~~08~~ 08/01/97

ICM Lot # - B-R-24-11
Standard - CLPP-CAL-1
Conc.- Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - L-CICP04129
Date Rec. - 07/02/96
Exp. Date - 07/01/96

ICM Lot # - B-R-24-12
Standard - LEAD
Conc.- 999 µg/ml
Manufacturer - INORGANIC VENTURES
Mfr. Lot # - L-PB02078
Date Rec. - 7-17-96
Exp. Date - 08-01-97

ICM Lot # - B-R-24-13
Standard - LITHIUM
Conc.- 10,078 µg/ml
Manufacturer - INORGANIC VENTURES
Mfr. Lot # - L-LI02002
Date Rec. - 7-17-96
Exp. Date - 08-01-97

ICM STANDARD RECEIPT

ICM Lot # - B-R-23-1
Standard - CLPP-CAL-1
Conc. - Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - L-MEB-25093
Date Rec.- 2/9/96
Exp. Date - 2/8/97

ICM Lot # - B-R-23-2
Standard - ICM-CLP-4
Conc. - Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - L-MEB52027
Date Rec.- 2/9/96
Exp. Date - 2/8/97

ICM Lot # - B-R-23-3
Standard - ICM-CLP-3
Conc. - Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - L-MEB52028
Date Rec.- 2/9/96
Exp. Date - 2/8/97

ICM Lot # - B-R-23-4
Standard - Yttrium
Conc. - 10,000
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-Y09049
Date Rec.- 3/26/96
Exp. Date - 3/25/97

ICM Lot # - BR-23-5
Standard - Cert. Ref. Material
Conc. - Multi
Manufacturer - ERA
Mfr. Lot # - 22
Date Rec.- 03/28/96
Exp. Date - 03/28/97

ICM Lot # - B-R-23-6
Standard - ICM-200TSPK-1
Conc. - Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - L-NEB54069
Date Rec.- 04/22/96
Exp. Date - 04/22/97

ICM Lot # - B-R-23-7
Standard - ICM-200TSPK-2
Conc. - Multi
Manufacturer - L-NEB54070
Mfr. Lot # - Inorganic Ventures
Date Rec.- 04/22/96
Exp. Date - 04/22/97

ICM Lot # - BR-23-8
Standard - 1007 ug/mL
Conc.- 1007 ppM
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-HG201126
Date Rec. - 5/15/96
Exp. Date - 6/1/97

ICM Lot # - B-R-23-9
Standard - CLPP-ICS-A
Conc.- Multi
Manufacturer - Inorganic Ven
Mfr. Lot # - L-MEB25120
Date Rec. - 05/17/96
Exp. Date - 06/01/97

ICM Lot # - ICM-CLP3T-1A
Standard -
Conc.-
Manufacturer 05/17/96
Mfr. Lot # -
Date Rec. -
Exp. Date -

ICM Lot # - B-R-23-10
Standard - ICM-CLP3T-1A
Conc.- Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - L-MEB55062
Date Rec. - 05/17/96
Exp. Date - 06/01/97

ICM Lot # - B-R-23-11
Standard - Lithium
Conc.- 10,0TB
Manufacturer - Inorganic Ventures
Mfr. Lot # - L-LI02002
Date Rec. - 05/17/96
Exp. Date - ~~06/01/96~~ 06/01/97

ICM Lot # - B-R-23-12
Standard - Lithium
Conc.- 10,0TB
Manufacturer - Inorganic Ventures
Mfr. Lot # - L-LI02002
Date Rec. - 05/17/96
Exp. Date - 06/01/97

ICM Lot # - B-R-23-~~12~~13
Standard - CLPP-ICS-B
Conc.- Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-MEB25100
Date Rec. - 05/17/96
Exp. Date - 06/01/97

ICM STANDARD RECEIPT

ICM Lot # - B-R-22-1
Standard - Lithium
Conc. - 1000 ~~mg~~ ug/mL
Manufacturer - Plasma Chem
Mfr. Lot # - N5J03015
Date Rec.- 11/30/95
Exp. Date - 11/30/97

ICM Lot # - B-R-22-2
Standard - Lithium
Conc. - 1000 ~~mg~~ ug/mL
Manufacturer - Plasma Chem
Mfr. Lot # - N5J03015
Date Rec.- 11/30/95
Exp. Date - 11/30/97

ICM Lot # - B-R-22-3
Standard - Lithium
Conc. - 1000 ug/mL
Manufacturer - Plasma Chem
Mfr. Lot # - N5J03015
Date Rec.- 11/30/95
Exp. Date - 11/30/97

ICM Lot # - B-R-22-4
Standard - Selenium
Conc. - 1000 ug/mL
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-SEB1073
Date Rec.- 12/15/95
Exp. Date - 12/15/97

ICM Lot # - B-R-22-5
Standard - Lithium
Conc. - 10,000 ug/mL
Manufacturer - Plasma Chem
Mfr. Lot # - D5J03105
Date Rec.- JAN 26 1996
Exp. Date - SEpt 30 1997

ICM Lot # - B-R-22-6
Standard - Lithium
Conc. - 10,000 ug/mL
Manufacturer - Plasma Chem
Mfr. Lot # - D5J03105
Date Rec.- JAN 26 1996
Exp. Date - SEpt 30 1997

ICM Lot # - B-R-22-7
Standard - Lithium
Conc. - 10,000 ug/mL
Manufacturer - Plasma Chem
Mfr. Lot # - D5J03105
Date Rec.- JAN 26 1996
Exp. Date - SEpt 30 1997

ICM Lot # - B-R-22-8
Standard - 10,000 ug/mL
Conc.- Lithium
Manufacturer - Plasma Chem
Mfr. Lot # - D5J03105
Date Rec. - JAN 29 1996
Exp. Date - SEpt 30 1997

ICM Lot # - B-R-22-9
Standard - Arsenic
Conc.- 1000 ug/mL
Manufacturer - Plasma Chem
Mfr. Lot # - N5J33N15
Date Rec. - JAN 26 1996
Exp. Date - Jun 30 1997

ICM Lot # - B-R-22-10
Standard - Silver
Conc.- 1000 ug/mL
Manufacturer - Plasma Chem
Mfr. Lot # - J6J47N14
Date Rec. - JAN 26 1996
Exp. Date - SEp 30 1997

ICM Lot # - B-R-22-~~10~~ 11 1/26/96 DN
Standard - LEAD
Conc.- J6J82N15
Manufacturer - Plasma Chem
Mfr. Lot # - J6J82N15
Date Rec. - JAN 26 1996
Exp. Date - SEpt 30 1997

ICM Lot # - B-R-22-12
Standard - Thallium
Conc.- 1000 ug/mL
Manufacturer - Plasma Chem
Mfr. Lot # - N5J81N15
Date Rec. - JAN 26 1996
Exp. Date - Jun 30 1997

ICM Lot # - B-R-22-13
Standard - CLPP-ICS-A
Conc.- Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-MEB25117
Date Rec. - 2/9/96
Exp. Date - 2/8/97

ICM Lot # - B-R-22-14
Standard - CLPP ICS-B4
Conc.- Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-MEB25107
Date Rec. - ~~2/9/96~~ 2/9/96 2/9/96 DN
Exp. Date - 2/8/97

ICM STANDARD RECEIPT

ICM Lot # - B-R-21-1
Standard - MOLYBDENUM
Conc. - 1000 us/mL
Manufacturer - Plasma Chem
Mfr. Lot # - C05J42W14
Date Rec.- 10/2/95
Exp. Date - 3/30/97

ICM Lot # - B-R-21-2
Standard - BERYLLIUM
Conc. - 1000 us/mL
Manufacturer - Plasma Chem
Mfr. Lot # - S5J04N14
Date Rec.- 10/2/95
Exp. Date - 6/30/95

ICM Lot # - B-R-21-3
Standard - TITANIUM
Conc. - 1000 us/mL
Manufacturer - Plasma chem
Mfr. Lot # - S5J22W14
Date Rec.- 10/2/95
Exp. Date - 6/30/95

ICM Lot # - B-R-21-4
Standard - VANADIUM
Conc. - 1000 us/mL
Manufacturer - Plasma Chem
Mfr. Lot # - S5J23N14
Date Rec.- 10/2/95
Exp. Date - 6/30/97

ICM Lot # - B-R-21-5
Standard - CRDL Stock
Conc. - Multi
Manufacturer - Plasma chem
Mfr. Lot # - L4IDL2N1-10
Date Rec.- 10/04/95
Exp. Date - 11/30/96

ICM Lot # - B-R-21-6
Standard - Icm-CLP-4
Conc. - Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-MEB48027
Date Rec.- 10/4/95
Exp. Date - 9/30/96

~~ICM Lot # - B-R-21-7~~
~~Standard - CLPP-ICS-B4~~
~~Conc. - Multi~~
~~Manufacturer - Inorganic Ven~~
~~Mfr. Lot # - K-MEB2F107~~
~~Date Rec.- 10/5/95~~
~~Exp. Date - 9/30/96~~

~~ICM Lot # - B-R-21-8~~
~~Standard - CLPP-ICS-A~~
~~Conc.- Multi~~
~~Manufacturer - Inorganic Ventures~~
~~Mfr. Lot # - K-MEB25101~~
~~Date Rec. - 10/5/95~~
~~Exp. Date - 9/30/96~~

ICM Lot # - B-R-21-9
Standard - POTASSIUM
Conc.- 10,000 us/mL
Manufacturer - Plasm Chem
Mfr. Lot # - 05J19N104
Date Rec. - 10/6/95
Exp. Date - 6/30/97

ICM Lot # - B-R-21-10
Standard - NICKEL
Conc.- 1000 us/mL
Manufacturer - Plasma chem
Mfr. Lot # - 05J28N14
Date Rec. - 10/16/95
Exp. Date - 6/30/95

ICM Lot # - B-R-21-~~10~~11
Standard - CHROMIUM
Conc.- Plasma Chem
Manufacturer - Plasma Chem
Mfr. Lot # - 05J24N14
Date Rec. - 10/16/95 10/16/95
Exp. Date - ~~6/30~~ 6/30/97

ICM Lot # - B-R-21-12
Standard - Zinc
Conc.- 1000 µg/mL
Manufacturer - Plasma-Chem
Mfr. Lot # - S5J30N13
Date Rec. - 10-25-1995
Exp. Date - 03-30-97

ICM Lot # - B-R-21-13
Standard - Yttrium
Conc.- 1000 µg/mL
Manufacturer - Plasma chem
Mfr. Lot # - S5J03014
Date Rec. - 10-25-1995
Exp. Date - 09-30-1997

ICM Lot # - B-R-21-14
Standard - Lithium
Conc.- 1000 ms/mL
Manufacturer - Plasma Chem
Mfr. Lot # - M5J03015
Date Rec. - 11/30/95
Exp. Date -

ICM STANDARD RECEIPT

ICM Lot # - ICM ICV-4
Standard - B-R-19-1 ek 7/10
Conc. - multi
Manufacturer - Inorganic Venture
Mfr. Lot # - K-MEB44144
Date Rec.- 7/10/95
Exp. Date - 7/10/97

ICM Lot # - B-R-19-2
Standard - CLPP-CICV-3
Conc. - Multi
Manufacturer - Environmental
Mfr. Lot # - Inorganic venture
Date Rec.- KMEB25096 7/10/95
Exp. Date - 7/10/97

ICM Lot # - B-R-19-3
Standard - Lithium.
Conc. - 10000
Manufacturer - plasmachem
Mfr. Lot # - Y5J03104
Date Rec.- Nicolas
Exp. Date - 30-sept 1996

ICM Lot # - B-R-19-4
Standard - Boron
Conc. - 1007 ug/mL
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-B01105
Date Rec.- 07/13/95 07/14/95
Exp. Date - 07/31/96

ICM Lot # - B-R-19-5
Standard - Copper
Conc. - J-CU02004
Manufacturer - Inorganic Ventures
Mfr. Lot # - 1002 ug/mL
Date Rec.- 07/13/95
Exp. Date - 07/31/96

ICM Lot # - B-R-19-6
Standard - Antimony
Conc. - 1004 ug/mL
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-SB02026
Date Rec.- 07/13/95
Exp. Date - 07/31/96

ICM Lot # - B-R-19-7
Standard - Lithium
Conc. - 10,022 ug/mL
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-LI01094R
Date Rec.- 07/13/95
Exp. Date - 07/31/96

ICM Lot # - B-R-19-8
Standard - Mercury
Conc.- 1000 ug/mL
Manufacturer - Plasma Chem
Mfr. Lot # - G5J80N14
Date Rec. - 08/09/95
Exp. Date - 03/30/97

ICM Lot # - B-R-19-9
Standard - Mercury
Conc.- 1000 ug/mL
Manufacturer - Inorganic Ventures
Mfr. Lot # - J-HG01093
Date Rec. - 08/10/95
Exp. Date - 09/96

ICM Lot # - B-R-19-10
Standard - CLPP-ICS-A
Conc.- Multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-MEB25099
Date Rec. - 7/95
Exp. Date - 6/31/96

ICM Lot # - B-R-19-11
Standard - CLP ICS-B
Conc.- multi
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-MEB25100
Date Rec. - 7/95
Exp. Date - 6/31/96

ICM Lot # - B-R-19-12
Standard - CLP Inorganic Soil / LCSS
Conc.- Multi
Manufacturer - ERA
Mfr. Lot # - 223
Date Rec. - 09/20/95
Exp. Date - 09/30/96

ICM Lot # - B-R-19-13
Standard - Antimony
Conc.- 1004 ug/mL
Manufacturer - Inorganic Ventures
Mfr. Lot # - K-SB02026
Date Rec. - 09/22/95
Exp. Date - 09/31/96

ICM Lot # - B-R-19-14
Standard - Cadmium
Conc.- 1002 ug/mL
Manufacturer - K-CD01090
Mfr. Lot # - Inorganic Ventures
Date Rec. - 09/27/95
Exp. Date - 09/31/96