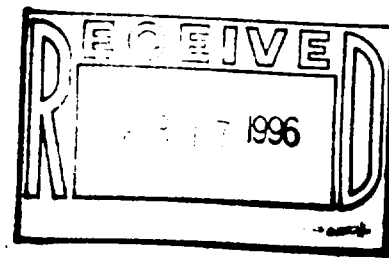




IEA
An Aquarion Company

628 Route 10
Whippany, New Jersey 07981

Phone 201-428-8181
Fax 201-428-5222



CLP DATA PACKAGE

SAMPLING DATE MARCH 12, 13, 15, 18 & 19, 1996

WESTON TAT

PROJECT: EOOT3

PREPARED BY:

INDUSTRIAL ENVIRONMENTAL ANALYSTS (IEA)

(CERTIFICATION NUMBER 14530)

IEA JOB NO: 20960-61186

VOLUME I OF I

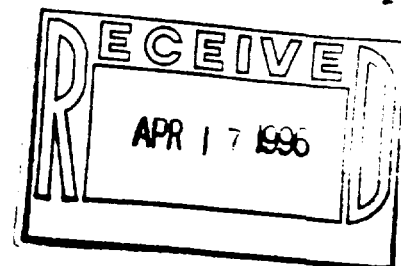
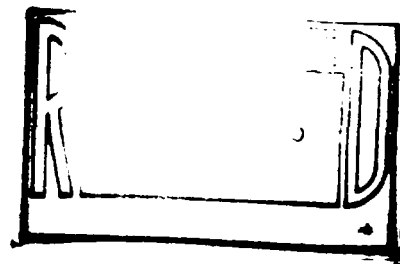


IEA

An Aquarion Company

APRIL 12, 1996

20960-61186
WESTON TAT
1090 KING GEORGES POST ROAD
EDISON, NJ 08837



ATTENTION: MS. SMITA SUMBALY

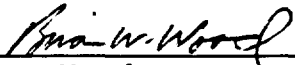
Thirty-four (34) soil samples, including two (2) matrix spikes and two (2) matrix duplicates, were received on March 28, 1996 for analysis by IEA (NJ Certification #14530). These samples were labelled as follows:

<u>LAB ID</u>	<u>CLIENT ID</u>	<u>DATE COLLECTED</u>
61186001	Z1-1	3/12/96
61186002	Z1-2	3/12/96
61186003MS	Z1-2MS	3/12/96
61186004DUP	Z1-2DUP	3/12/96
61186005	Z1-3	3/12/96
61186006	Z1-4	3/12/96
61186007	Z1-5	3/12/96
61186008	Z1-8	3/12/96
61186009	Z2-1	3/13/96
61186010	Z2-3	3/13/96
61186011MS	Z2-3MS	3/13/96
61186012DUP	Z2-3DUP	3/13/96
61186013	Z2-2	3/13/96
61186014	Z2-5	3/13/96
61186015	Z2-4	3/13/96
61186016	Z2-6	3/13/96
61186017	Z2-8	3/13/96
61186018	Z2-9	3/13/96
61186019	Z1-1A	3/13/96
61186020	Z3-9	3/13/96
61186021	Z3-2	3/13/96
61186022	Z3-4	3/13/96
61186023	Z3-5	3/13/96
61186024	Z3-6	3/13/96
61186025	Z4-17A	3/18/96
61186026	Z4-5B	3/19/96
61186027	RD-2	3/19/96
61186028	Z3-6B	3/19/96
61186029	Z3-8D	3/19/96

200057

61186030	Z4-6C	3/19/96
61186031	Z3-5C	3/19/96
61186032	Z4-8B	3/19/96
61186033	Z4-7	3/18/96
61186034	Z3-8A	3/15/96

DATA RELEASE AUTHORIZED BY:



Brian Wood
Laboratory Manager

TABLE OF CONTENTS

	PAGE
VOLUME I	
Case Narrative	1
Qualifiers Code.	3
Methodology Summary.	4
Chain-of-Custody	5
Metals	11

000001

CASE NARRATIVE

200060

000002

Client: WESTON TAT

Job No: 20960-61186

CASE NARRATIVE

METALS

Lead was detected in a preparation blank. The sample concentration was greater than ten-times that of the blank.

Sample 61186004DUP (Z1-2DUP) was not digested due to insufficient sample volume.

200061

**METALS ANALYSIS
DATA QUALIFIERS****C indicates concentration qualifier column**

- U - Result is below the instrument detection limit (IDL).
- B - Result is between the EQL (Estimated Quantitation Limit) and the IDL (Instrument Detection Limit). (Note that this flag does not have the same meaning as in Organics analysis).

Q indicates QC qualifier column

- E - Serial dilution is not within control limits.
- N - Spiked sample recovery not within control limits.
- * - Duplicate analysis not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- + - Correlation coefficient for the MSA is less than 0.995.
- W - Analytical spike for furnace AA analysis recovers at greater than 40% (but not within 85% - 115%) and the sample concentration is less than half the spike value.

M indicates method qualifier column

- P - Inductively Coupled Argon Plasma.
- F - Graphite Furnace Atomic Absorption.
- CV - Cold Vapor Atomic Absorption.
- NR - Not Requested.

METHODOLOGY SUMMARY**METALS**

Metals analysis is based on USEPA CLP ILM01.3 Arsenic, selenium, thallium and lead maybe analyzed by furnace AA with Zeeman background correction. Mercury is analyzed by cold vapor technique. All other metals are analyzed by Inductively Coupled Argon Plasma emission spectroscopy (if the ICP61E Trace is used, Arsenic, Selenium, Thallium and Lead can be analyzed by ICP). Samples for ICP analysis are digested with hydrochloric and nitric acids. Samples for furnace analysis are digested with nitric acid. Samples for mercury analysis are digested with potassium permanganate and nitric acid. The holding time for mercury is twenty-six (26) days from collection. The holding time for all other metals is six (6) months.

000005

CHAIN OF CUSTODY

200064

RFP No.:

CHAIN OF CUSTODY RECORD

PO No.:



6/1/86

MANAGERS DESIGNERS/CONSULTANTS

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

EPA CONTRACT 68-W5-0019

Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:

Preservative Box No.:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinse
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

1. HNO3
2. Na2SO4
3. H2SO4
4. Other (Specify)
5. Ice Only
6. Not Preserved
7. See Comments

Send verbal and written results to:

Roy F. Weston, Inc., USEPA Region II START

Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703

Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Mod-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	ENA	PST	PCBs	TAL	CN	IGN	COR	REAC	
Z1-1	3/12/96	5	M/H	G	N										Cu, Pb
Z1-2		5	L/M	G	N										Cu, Pb (MS/MSD INCLUDED)*
Z1-3		5	L/M	G	N										
Z1-4		5	L/M	G	N										
Z1-5		5	M/H	G	N										
Z1-8		5	M/H	G	N										
Z2-1	3/13/96	5	M/H	G	N										
Z2-3		5	M/H	G	N										Cu, Pb (MS/MSD INCLUDED)*
Z2-2		5	M/H	G	N										
Z2-5		5	L/M	G	N										
Z2-4		5	L/M	G	N										

Comments: EXTRA VOLUME WAS NOT COLLECTED IN THE FIELD, THEREFORE, IF SAMPLE ANALYZED IN CUPS CONTAIN INSUFFICIENT VOLUME TO PERFORM THESE GC ANALYSIS, THE LABORATORY SHOULD PERFORM A SOIL BLANK SPIKE ANALYSIS.

Person Assuming Responsibility for Sample:

HEMENDRA MORADIA - START PM

Time

10:00

Date (MM/DD/YY)

3/19/96

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	H. MORADIA	1500	3/28/96	<i>[Signature]</i> 4/28/96 1630	LAB ANALYSIS
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
				PASSED RAD SCREENING DATE: 7/17/97 INITIALS: <i>[Signature]</i>	
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

LIMITED VOLUME FOR ALL SAMPLES

PAGE 1 OF 3

VOLUME SOME SAMPLES FOR TOTAL

RFP No.:

CHAIN OF CUSTODY RECORD

PO No.:



61186

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

EPA CONTRACT 68-W3-0019

Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinse
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

Preservative Box No.:

1. HCl
2. HNO3
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
- N. Not Preserved
- * See Comments

Send verbal and written results to:

Roy F. Weston, Inc., USEPA Region II START

Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703

Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	INA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
Z2-6	3/13/96	5	L/M	G	N										Cu, Pb
Z2-8		5	M/H	G	N										
Z2-9		5	M/H	G	N										
Z1-1A		5	L/M	G	N										
Z3-9		5	M/H	G	N										
Z3-2		5	M/H	G	N										
3-4		5	M/H	G	N										
Z3-5		5	M/H	G	N										
Z3-6		5	M/H	G	N										
Z4-17A	3/18/96	5	L/M	G	N										
Z4-5B	3/19/96	5	L/M	G	N										

Comments:

Person Assuming Responsibility for Sample:

HEMENDRA MORADIA - START PM

Time

1000

Date (MM/DD/YY)

3/19/96

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	H. MORADIA	1000	3/20/96	gsk/hh 3/20/96	LAS ANALYSIS
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
				PASSED RAD SCREENING DATE: 4/18/96 INITIALS:	

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

 In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental
 Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

PAGE 2 OF 3

200066

RFP No.:

CHAIN OF CUSTODY RECORD

Matrix Box No.:

Preservative Box No.:

PO No.:

WESTON.
 MANAGERS DESIGNERS/CONSULTANTS

6/1/86

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

EPA CONTRACT 68-W5-0019

Phone: 908-225-6116 Fax: 908-225-7037

1. Surface Water
2. Ground Water
3. Leachate
4. Rinseate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

1. HCl
2. HN03
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
- N. Not Preserved
- * See Comments

Send verbal and written results to:

Roy F. Weston, Inc., USEPA Region II START

Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703

Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
RD-2	3/19/96	5	L/M	G	N										Cu, Pb
Z3-6B	3/19/96	5	L/M	G	N										
Z3-8D	3/19/96	5	L/M	G	N										
Z4-6C	3/19/96	5	M/H	G	N										
Z3-5C	3/19/96	5	L/M	G	N										
Z4-8B	3/19/96	5	L/M	G	N										
4-7	3/18/96	5	M/H	G	N										
Z3-8A	3/15/96	5	M/H	G	N										↓

Comments: 1) SAMPLES IN XRF CUPS - ANALYZE FOR LEAD & COPPER
 2) 3 OF THE SAMPLES MAY BE > 10,000 PPM FOR LEAD
 3)

Person Assuming Responsibility for Sample:

HEMENDRA MORADIA - START PM

Time

1000

Date (MM/DD/YY)

3/19/96

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	H. MORADIA	1500	3/28/96	<i>[Signature]</i> 1630 3/28/96	LAB ANALYSIS
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
				PASSED RAD SCREENING DATE: 3/28/96 INITIALS: <i>[Signature]</i>	
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental
 Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

PAGE 3 OF 3

200067

IEA OF NEW JERSEY
SAMPLE CONTROL CHRONICLE

000009

Sampling Date: 7/17/56 Job #: 61186
 Receipt Date: 7/18/56 Signature: [Signature]
 Custody Seal: Present/Absent Cooler Temp: 20
Intact/Not Intact
 Chain of Custody: Present/Absent
 Sample Tags: Present/Absent Preservative Ck: OK
 Shipping Bill: Present/Absent Airbill #: _____
 Comments: 02

Subcontracting

Parameter	Sample ID	Parameter	Sample ID
<u>MBAS</u>	_____	<u>TKN</u>	_____
<u>AMMONIA</u>	_____	<u>O-PHOSPHATE</u>	_____
<u>COD</u>	_____	<u>SULFIDE</u>	_____
<u>SULFATE</u>	_____	<u>COLIFORM</u>	_____
<u>NITRATE</u>	_____	<u>ALKALINITY</u>	_____
<u>BOD</u>	_____	<u>TURBIDITY</u>	_____
<u>NITRATE</u>	_____	<u>COLOR</u>	_____
<u>NITRITE</u>	_____	<u>TOC</u>	_____
<u>RADIUM</u>	_____	<u>TOX</u>	_____
<u>THORIUM</u>	_____	<u>OTHER</u>	_____
<u>URANIUM</u>	_____	<u>OTHER</u>	_____

Subcontract Lab: _____ Date: _____
 Signature: _____

Sample Prep

Sample #

PASSED RAD SCREENING

DATE: _____

INITIALS: _____

Compositing: _____

Percent Solids: _____

pH Performed: _____

Signature: _____ Date: _____

Form# SMF00601.NJ

Page _____ OF 98
 IEA Logbook# SM6

200068



IEA

An Aquarion Company

000010

IEA, INC. - NEW JERSEY
INTERNAL CHAIN OF CUSTODY CHRONICLE
METALS

JOB/CASE NUMBER: 61186

MATRIX: WATER SOIL TCLP/EP OTHER: _____

I confirm that I have performed the analysis below following SOP guidelines:

Analysis: ICP

	Analyst Signature	Date
<u>1 - 34</u>	<u>E.H. Gierhalter</u>	<u>4-10-96</u>
_____	_____	_____
_____	_____	_____

Preparation: ICP

Consumed

<u>1 - 22</u>	<u>M.G. Gierhalter for M. Heany</u>	<u>4-4-96</u>	_____
<u>22 - 34</u>	<u>M.G. Gierhalter for M. Heany</u>	<u>4-4-96</u>	_____

Preparation/Analysis: Cyanide

_____	_____	_____	_____
_____	_____	_____	_____

Preparation/Analysis: Hexavalent Chromium

_____	_____	_____	_____
-------	-------	-------	-------

Analysis: Furnace

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Preparation: Furnace

_____	_____	_____	_____
_____	_____	_____	_____

Preparation/Analysis: Mercury

_____	_____	_____	_____
_____	_____	_____	_____

I confirm that I have reviewed all associated data and authorize the release of this job:

AUTHORIZATION:	<u>Gierhalter</u>	<u>4-11-96</u>
	Group Leader/Lab Director	Date
	SSC	

200069

000011

METALS

200070

U.S. EPA - CLP
1
INORGANIC ANALYSES DATA SHEET

000012
EPA SAMPLE NO.

Z1-1

Lab Name: IEA NJ Contract: _____

Lab Code: IEANJ Case No.: 61186

SAS No.: _____ SDG No.: Z1-1

Matrix (soil/water): SOIL

Lab Sample ID: 61186001

Level (low/med): LOW

Date Received: 03/28/96

% Solids: 74.8

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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	13000		*E J	P
7439-89-6	Iron				NR
7439-92-1	Lead	6970		E J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z1-2

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186002Level (low/med): LOWDate Received: 03/28/96% Solids: 72.9Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	559		*E T	P
7439-89-6	Iron				NR
7439-92-1	Lead	103		E T	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: IEA NJ Contract: _____

Z1-2 MS

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186003

Level (low/med): _____

Date Received: 03/28/96% Solids: 72.9Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	829		*E	P
7439-89-6	Iron				NR
7439-92-1	Lead	255		E	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MColor After: YELLOW Clarity After: C Artifacts: N

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET000015
EPA SAMPLE NO.

Z1-3

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186005Level (low/med): LOWDate Received: 03/28/96% Solids: 81.1Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	170		*E J	P
7439-89-6	Iron				NR
7439-92-1	Lead	77.0		E J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSES DATA SHEET

000016
EPA SAMPLE NO.

Z1-4

Lab Name: IEA NJ Contract: _____

Lab Code: IEANJ Case No.: 61186

SAS No.: _____ SDG No.: Z1-1

Matrix (soil/water): SOIL

Lab Sample ID: 61186006

Level (low/med): LOW

Date Received: 03/28/96

% Solids: 65.9

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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	126		*E T	P
7439-89-6	Iron				NR
7439-92-1	Lead	83.1		E T	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z1-5

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186007Level (low/med): LOWDate Received: 03/28/96% Solids: 74.5Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	4860		*E J	P
7439-89-6	Iron				NR
7439-92-1	Lead	243		E J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z1-8

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186008Level (low/med): LOWDate Received: 03/28/96% Solids: 61.0Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	258000		*E I	P
7439-89-6	Iron				NR
7439-92-1	Lead	19800		E I	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z2-1

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186009Level (low/med): LOWDate Received: 03/28/96% Solids: 87.0Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	14200		*E J	P
7439-89-6	Iron				NR
7439-92-1	Lead	1140		E J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z2-3

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186010Level (low/med): LOWDate Received: 03/28/96% Solids: 87.6Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	7520		*E	P
7439-89-6	Iron				NR
7439-92-1	Lead	884		E	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z2-3 MS

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186011

Level (low/med): _____

Date Received: 03/28/96% Solids: 87.6Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	2800		*E I	P
7439-89-6	Iron				NR
7439-92-1	Lead	5710		E I	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MColor After: YELLOW Clarity After: C Artifacts: N

Comments:

000022

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z2-3 DUP

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186012

Level (low/med): _____

Date Received: 03/28/96% Solids: 87.6Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	2710		*E T	P
7439-89-6	Iron				NR
7439-92-1	Lead	895		E T	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BR Clarity Before: _____ Texture: _____Color After: YE Clarity After: _____ Artifacts: _____

Comments: _____

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z2-2

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186013Level (low/med): LOWDate Received: 03/28/96% Solids: 88.8Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	47100		*E J	P
7439-89-6	Iron				NR
7439-92-1	Lead	3890		E J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

000024

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z2-5

Lab Name: IEA_NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186014Level (low/med): LOWDate Received: 03/28/96% Solids: 89.8Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	79.9		*E J	P
7439-89-6	Iron				NR
7439-92-1	Lead	26.6		E J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z2-4

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186015Level (low/med): LOWDate Received: 03/28/96% Solids: 85.9Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	187		*E J	P
7439-89-6	Iron				NR
7439-92-1	Lead	48.2		E J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z2-6

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186016Level (low/med): LOWDate Received: 03/28/96% Solids: 89.7Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	48100		*E J	P
7439-89-6	Iron				NR
7439-92-1	Lead	12800		E J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

000027

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z2-8

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186017Level (low/med): LOWDate Received: 03/28/96% Solids: 82.8Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	900		*E T	P
7439-89-6	Iron				NR
7439-92-1	Lead	1490		E T	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z2-9

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186018Level (low/med): LOWDate Received: 03/28/96% Solids: 86.1Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	11200		*E J	P
7439-89-6	Iron				NR
7439-92-1	Lead	6550		E J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

U.S. EPA - CLP

000029

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z1-1A

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186019Level (low/med): LOWDate Received: 03/28/96% Solids: 87.1Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	260		*E T	P
7439-89-6	Iron				NR
7439-92-1	Lead	165		E T	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z3-9

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186020Level (low/med): LOWDate Received: 03/28/96% Solids: 90.9Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	58000		*E T	P
7439-89-6	Iron				NR
7439-92-1	Lead	33500		E T	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z3-2

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186021Level (low/med): LOWDate Received: 03/28/96% Solids: 91.2Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	6890		*E T	P
7439-89-6	Iron				NR
7439-92-1	Lead	1200		E T	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

000032

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z3-4

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186022Level (low/med): LOWDate Received: 03/28/96% Solids: 87.3Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	44700		*E J	P
7439-89-6	Iron				NR
7439-92-1	Lead	3060		E J	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z3-5

Lab Name: IEA_NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186023Level (low/med): LOWDate Received: 03/28/96% Solids: 90.0Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	224			P
7439-89-6	Iron				NR
7439-92-1	Lead	610			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z3-6

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186024Level (low/med): LOWDate Received: 03/28/96% Solids: 88.8Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	1230			P
7439-89-6	Iron				NR
7439-92-1	Lead	793			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z4-17A

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186025Level (low/med): LOWDate Received: 03/28/96% Solids: 96.3Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	60.0			P
7439-89-6	Iron				NR
7439-92-1	Lead	380			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z4-5B

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186026Level (low/med): LOWDate Received: 03/28/96% Solids: 68.0Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	62.8			P
7439-89-6	Iron				NR
7439-92-1	Lead	86.9			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RD-2

Lab Name: IEA_NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186027Level (low/med): LOWDate Received: 03/28/96% Solids: 93.7Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	650			P
7439-89-6	Iron				NR
7439-92-1	Lead	405			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z3-6B

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186028Level (low/med): LOWDate Received: 03/28/96% Solids: 93.5Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	2350			P
7439-89-6	Iron				NR
7439-92-1	Lead	452			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z3-8D

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186029Level (low/med): LOWDate Received: 03/28/96% Solids: 77.8Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	130			P
7439-89-6	Iron				NR
7439-92-1	Lead	116			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z4-6C

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186030Level (low/med): LOWDate Received: 03/28/96% Solids: 71.4Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	338			P
7439-89-6	Iron				NR
7439-92-1	Lead	5300			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NOComments:

1
INORGANIC ANALYSES DATA SHEET

000041
EPA SAMPLE NO.

Z3-5C

Lab Name: IEA_NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186031Level (low/med): LOWDate Received: 03/28/96% Solids: 74.8Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	116			P
7439-89-6	Iron				NR
7439-92-1	Lead	105			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z4-8B

Lab Name: IEA NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186032Level (low/med): LOWDate Received: 03/28/96% Solids: 71.7Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	89.0			P
7439-89-6	Iron				NR
7439-92-1	Lead	183			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z4-7

Lab Name: IEA_NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186033Level (low/med): LOWDate Received: 03/28/96% Solids: 97.3Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	69.0			P
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				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Z3-8A

Lab Name: IEA_NJ Contract: _____Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Matrix (soil/water): SOILLab Sample ID: 61186034Level (low/med): LOWDate Received: 03/28/96% Solids: 76.5Concentration 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
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	482			P
7439-89-6	Iron				NR
7439-92-1	Lead	2070			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEARArtifacts: NO

Comments:

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: IEA_NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Initial Calibration Source: SPEXContinuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper	2500	2496.70	99.9	5000.0	5113.80	102.3	5006.00	100.1	P
Iron									NR
Lead	2500	2503.70	100.1	5000.0	5039.90	100.8	4918.20	98.4	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;

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: IEA_NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Initial Calibration Source: SPEXContinuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper				5000.0	4900.90	98.0	5067.10	101.3	P
Iron									NR
Lead				5000.0	4822.80	96.4	4992.70	99.8	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;

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: IEA_NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Initial Calibration Source: SPEXContinuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper				5000.0	5048.30	101.0	5094.30	101.9	P
Iron									NR
Lead				5000.0	4969.40	99.4	4840.70	96.8	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;

000048

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: IEA_NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Initial Calibration Source: SPEXContinuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper				5000.0	5169.80	103.4	5078.90	101.6	P
Iron									NR
Lead				5000.0	4909.30	98.2	4827.90	96.6	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;

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: IEA_NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Initial Calibration Source: SPEXContinuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper				5000.0	5119.60	102.4			P
Iron									NR
Lead				5000.0	4847.60	97.0			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;

000050

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Initial Calibration Source: SPEXContinuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper	2500	2521.40	100.8	5000.0	5004.80	100.1	4954.20	99.1	P
Iron									NR
Lead	2500	2471.00	98.8	5000.0	4922.70	98.4	4895.00	97.9	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;

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: IEA_NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Initial Calibration Source: SPEXContinuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper				5000.0	4855.80	97.1	4956.40	99.1	P
Iron									NR
Lead				5000.0	4786.50	95.7	4823.30	96.5	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;

U.S. EPA - CLP

3
BLANKSLab Name: IEA_NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank	
	C		1	C	2	C	3	C	C	M
Aluminum										NR
Antimony										NR
Arsenic										NR
Barium										NR
Beryllium										NR
Calcium										NR
Chromium										NR
Cobalt										NR
Copper	1.6	U	1.6	U	1.6	U	2.4	B	0.977	B P
Iron										NR
Lead	1.4	B	1.6	B	1.0	U	3.1	B	0.136	B 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

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Z1-2

S

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJCase No.: 61186

SAS No.: _____

SDG No.: Z1-1Matrix: SOILLevel (low/med): 61186v2% Solids for Sample: 72.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	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
Calcium							NR
Chromium							NR
Cobalt							NR
Copper		828.8694	559.0285	68.60	393.4		P
Iron							NR
Lead	75-125	254.7585	102.8513	137.21	110.7		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

Comments:

000000

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Z3-5

S

b Name: IEA_NJ

Contract: _____

Lab Code: IEANJ

Case No.: 61186

SAS No.: _____

SDG No.: Z1-1

Matrix: SOIL

Level (low/med): 61186 23

% Solids for Sample: 90.0

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

Analyte	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
Calcium							NR
Chromium							NR
Cobalt							NR
Copper		255.2023	224.5665	55.58	55.1		P
Iron							NR
Lead		600.0445	610.0711	111.16	-9.0		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

Comments:

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Z1-2

.b Name: IEA NJ

Contract: _____

Lab Code: IEANJCase No.: 61186

SAS No.: _____

SDG No.: Z1-1Matrix: SOILLevel (low/med): 6118602

Concentration Units: 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
Calcium							NR
Chromium							NR
Cobalt							NR
Copper		3765.70	2037.10	2000.0	86.4		P
Iron							NR
Lead							NR
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Cyanide							NR

Comments:

5B
 POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Z2-3

Name: IEA NJ

Contract: _____

Lab Code: IEANJCase No.: 61186

SAS No.: _____

SDG No.: Z1-1
6118640Matrix: SOIL

Level (low/med): _____

Concentration Units: 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
Calcium							NR
Chromium							NR
Cobalt							NR
Copper		90549.00	32930.00	60000.0	96.0		P
Iron							NR
Lead							NR
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Cyanide							NR

Comments:

EPA SAMPLE NO.

Z3 - 5

SDG No.: Z1-1

Level (low/med): 01107043

[illegible]

6
DUPLICATES

EPA SAMPLE NO.

Z3-5

D

Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186

SAS No.: _____

SDG No.: Z1-1

Matrix: SOIL

Level (low/med):

61186023

% Solids for Sample: 90

% Solids for Duplicate: 90

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
Calcium						NR
Chromium						NR
Cobalt						NR
Copper		224.5665	217.4166	3.2		P
Iron						NR
Lead		610.0711	583.0814	4.5		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

6
DUPLICATES

EPA SAMPLE NO.

Z2-3

D

b Name: IEA NJ

Contract: _____

Lab Code: IEANJ

Case No.: 61186

SAS No.: _____

SDG No.: Z1-1

Matrix: SOIL

Level (low/med): _____

% Solids for Sample: 87.6

% Solids for Duplicate: 87.6

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper		7516.5487		2712.1662		93.9	*	P
Iron								NR
Lead		884.5012		894.8642		1.2		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

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Solid LCS Source: VENTURES

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Calcium								
Chromium								
Cobalt								
Copper				25.0	26.3		20.0 30.0	105.2
Iron								
Lead				50.0	46.7		40.0 60.0	93.4
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								
Cyanide								

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Solid LCS Source: VENTURES

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Calcium									
Chromium									
Cobalt									
Copper				25.0	24.4		20.0	30.0	97.6
Iron									
Lead				50.0	47.4		40.0	60.0	94.8
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

9
ICP SERIAL DILUTIONS

EPA SAMPLE NO.

Z1-2

L

Lab Name: IEA_NJ

Contract: _____

Lab Code: IEANJCase No.: 61186

SAS No.: _____

SDG No.: Z1-1

(1186002)

Matrix(soil/water): SOIL

Level (low/med): _____

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper	2037.10		2256.10		10.8	E	P
Iron							NR
Lead	374.79		431.40		15.1	E	P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR

9
ICP SERIAL DILUTIONS

EPA SAMPLE NO.

Lab Name: IEA NJ

Contract: _____

Z2-3

L

Lab Code: IEANJ Case No.: 61186

SAS No.: _____

SDG No.: Z1-1
61186.010Matrix(soil/water): SOIL

Level (low/med): _____

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper	32930.00		34640.50		5.2		P
Iron							NR
Lead	3875.00		4823.25		24.5	E	P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR

U.S. EPA - CLP

9
ICP SERIAL DILUTIONS

EPA SAMPLE NO.

Z3-5

L

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186

SAS No.: _____

SDG No.: Z1-1Matrix(soil/water): SOIL

Level (low/med):

61186-3

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper	1010.10		1005.60		0.4		P
Iron							NR
Lead	2744.10		2862.10		4.3		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

ILM03.0

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1ICP ID Number: TJA61E TRACEDate: 04/06/96

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum					NR
Antimony					NR
Arsenic					NR
Barium					NR
Beryllium					NR
Calcium					NR
Chromium					NR
Cobalt					NR
Copper					
Copper	324.70		25	1.6	P
Iron					NR
Lead	220.30		3	1.0	P
Lead					
Magnesium					NR
Manganese					NR
Mercury					NR
Nickel					NR
Potassium					NR
Selenium					NR
Silver					NR
Sodium					NR
Thallium					NR
Vanadium					NR
Zinc					NR
Cyanide					NR

Comments:

600072

U.S. EPA - CLP

11A

ICP Interelement Correction Factors (Annually)

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJCase No.: 61186

SAS No.: _____

SDG No.: 21-1ICP ID Number: TJA61E TraceDate: 04/23/95

Analyte	Wave - length (nm)	Interelement Correction Factors for :				
		Al	Ca	Fe	Mg	As
Aluminum	308.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189	0.0000000	0.0000000	-0.0000380	0.0000000	0.0000000
Barium	493.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.5	0.0000000	0.0000100	0.0001720	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000360	0.0000540	0.0000000
Chromium	298.9	0.0000000	0.0000000	-0.0003010	0.0000000	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	221.8	0.0000000	0.0000000	-0.0011070	0.0000000	0.0000000
Copper	324.7	0.0000000	0.0000000	-0.0000310	0.0000000	0.0000000
Iron	259.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3 - 1	0.0002750	0.0000000	0.0001260	0.0000140	0.0000000
Lead	220.3 - 2	-0.0001980	-0.0000090	0.0000560	0.0000130	0.0000000
Lead	283.3	0.0000000	0.0000000	0.0016500	0.0000000	0.0000000
Magnesium	383.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	-0.0001140	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	243.7	0.0000000	0.0000000	-0.0025570	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196 - 1	0.0000110	0.0000000	-0.0000220	0.0000000	0.0000000
Selenium	196 - 2	-0.0000110	0.0000000	-0.0002180	0.0000000	0.0000000
Silver	328	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0042690	0.0027360	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	-0.0003700	0.0000000	0.0000000
Titanium	334.9	0.0000000	0.0000000	0.0000000	0.0000200	0.0000000
Vanadium	292.4	0.0000000	0.0000000	-0.0000750	0.0000000	0.0000000
Zinc	206.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

11B

ICP Interelement Correction Factors (Annually)

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJCase No.: 61186

SAS No.: _____

SDG No.: 21-1ICP ID Number: TJA61E TraceDate: 04/23/95

Analyte	Wave - length (nm)	Interelement Correction Factors for :				
		Mn	V	Co	Ni	Ti
Aluminum	308.2	0.0000000	0.0244780	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313	0.0000000	0.0005310	0.0000000	0.0000000	0.0000000
Cadmium	226.5	0.0000000	0.0000000	-0.0001970	-0.0000600	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	298.9	0.0000000	0.0075580	0.0000000	0.0000000	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	221.8	0.0000000	0.0000000	0.0009730	0.0000000	0.0000000
Copper	324.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0093180	0.0797100	0.0000000	0.0000000
Lead	220.3 - 1	0.0002360	0.0000000	0.0003960	0.0002550	0.0000000
Lead	220.3 - 2	0.0001690	-0.0002550	0.0000000	0.0000560	0.0000000
Lead	283.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	383.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	-0.0014300	0.0000000	0.0000000
Nickel	243.7	0.1280340	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196 - 1	0.0001480	0.0001430	0.0000000	0.0000000	0.0000000
Selenium	196 - 2	0.0002020	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328	0.0002370	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.1820270
Thallium	190.8	0.0004000	-0.0013920	0.0039740	0.0000000	-0.0011300
Titanium	334.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.2	0.0000000	0.0000000	0.0000000	-0.0001500	0.0000000

Comments:

U.S. EPA - CLP

11B

ICP Interelement Correction Factors (Annually)

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJCase No.: 61186

SAS No.: _____

SDG No.: 21-1ICP ID Number: TJA61E TraceDate: 04/23/95

Analyte	Wave - length (nm)	Interelement Correction Factors for :				
		Ag	K	B	Na	Pb
Aluminum	308.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	298.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	221.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3 - 1	0.0000000	0.0000840	0.0000000	0.0000000	0.0000000
Lead	220.3 - 2	0.0000000	0.0000700	0.0000000	0.0000000	0.0000000
Lead	283.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	383.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	243.7	0.1822640	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196 - 1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196 - 2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.2	0.0000000	0.0000000	0.0019170	0.0001500	0.0001590

Comments:

000075

U.S. EPA - CLP

11B

ICP Interelement Correction Factors (Annually)

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJCase No.: 61186

SAS No.: _____

SDG No.: 21-1ICP ID Number: TJA61E TraceDate: 04/23/95

Analyte	Wave - length (nm)	Interelement Correction Factors for :				
		Ba	Cd	Sn	Zn	Cr
Aluminum	308.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0029700
Arsenic	189	0.0000000	0.0000000	0.0000000	0.0000000	-0.0025710
Barium	493.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	298.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	221.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0031650
Lead	220.3 - 1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000830
Lead	220.3 - 2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	283.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0012090
Magnesium	383.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury		0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0014880
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	243.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0113830
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196 - 1	-0.0001530	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196 - 2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328	0.0000000	0.0000000	0.0000000	0.0000000	-0.0016950
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.1879120	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0003730
Titanium	334.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0001730
Vanadium	292.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0023860

Comments:

12
ICP Linear Ranges (Quarterly)Lab Name: IEA_NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1ICP ID Number: TJA61Date: 04/06/96

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

Comments:

000077

U.S. EPA - CLP

13
PREPARATION LOGLab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	04/04/96	1.00	200
LCSS	04/04/96	1.00	200
PBS	04/04/96	1.00	200
PBS	04/04/96	1.00	200
RD-2	04/04/96	1.00	200
Z1-1	04/04/96	1.00	200
Z1-1A	04/04/96	1.00	200
Z1-2	04/04/96	1.00	200
Z1-2S	04/04/96	1.00	200
Z1-3	04/04/96	1.00	200
Z1-4	04/04/96	1.00	200
Z1-5	04/04/96	1.00	200
Z1-8	04/04/96	1.00	200
Z2-1	04/04/96	1.00	200
Z2-2	04/04/96	1.00	200
Z2-3	04/04/96	1.00	200
Z2-3S	04/04/96	1.00	200
Z2-3D	04/04/96	1.00	200
Z2-4	04/04/96	1.00	200
Z2-5	04/04/96	1.00	200
Z2-6	04/04/96	1.00	200
Z2-8	04/04/96	1.00	200
Z2-9	04/04/96	1.00	200
Z3-2	04/04/96	1.00	200
Z3-4	04/04/96	1.00	200
Z3-5	04/04/96	1.00	200
Z3-5S	04/04/96	1.00	200
Z3-5D	04/04/96	1.00	200
Z3-5C	04/04/96	1.00	200
Z3-6	04/04/96	1.00	200
Z3-6B	04/04/96	1.00	200
Z3-8A	04/04/96	1.00	200
Z3-8D	04/04/96	1.00	200

14
ANALYSIS RUN LOGLab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Instrument ID Number: TJA61Method: PStart Date: 04/10/96End Date: 04/10/96

EPA Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N					
BLANK-STD1	1	0816		X				X				X		X			X			X											
STD3D	1	0821		X				X				X		X			X			X											
STD1-BLANK	1	0826			X	X	X	X		X	X	X		X		X		X		X		X	X	X	X						
STD2A	1	0831			X	X	X	X		X	X	X		X		X		X		X		X	X	X	X						
STD2B	1	0836			X	X	X	X		X	X	X		X		X		X		X		X	X	X	X						
STD2C	1	0841			X	X	X	X		X	X	X		X		X		X		X		X	X	X	X						
CCV	1	0842										X		X																	
LCB	1	0847										X		X																	
CRI-I	1	0852										X		X																	
CSA-I	1	0857		X				X				X	X	X	X																
AB-I	1	0902		X				X				X	X	X	X																
	1	0907										X		X																	
CCB	1	0912										X		X																	
BW	1	0917																													
CSW	1	0922																													
ZZZZZZ	10	0927																													
ZZZZZZ	S	10	0932																												
ZZZZZZ	D	10	0937																												
ZZZZZZ	L	10	0942																												
ZZZZZZ	5	0947																													
ZZZZZZ	10	0952																													
ZZZZZZ	1	0957																													
ZZZZZZ	1	1002																													
CCV	1	1008										X		X																	
LCB	1	1013										X		X																	
ZZZZZZ	1	1018																													
ZZZZZZ	50	1023																													
ZZZZZZ	S	50	1028																												
ZZZZZZ	D	50	1033																												
ZZZZZZ	L	50	1037																												
ZZZZZZ	1	1042																													
CRI-F	1	1047																													
CSA-F	1	1052																													

14
ANALYSIS RUN LOG

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Instrument ID Number: TJA61Method: PStart Date: 04/10/96End Date: 04/10/96

EPA Sample No.	D/F	Time	% R	Analytes																					
				A L	S B	A S	B A	B E	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N T	V L	Z N	C N
ICSAB-F		1 1057																							
CCV		1 1102										X	X												
CCB		1 1107										X	X												
CCV		1 1113										X	X												
CCB		1 1118										X	X												
PBS		1 1123										X	X												
CCSS		1 1128										X	X												
Z1-1		1 1133																							
Z1-2		1 1138										X	X												
Z1-2	S	1 1143										X	X												
Z1-2	D	1 1148																							
Z1-2	L	1 1153										X	X												
Z1-3		1 1158										X	X												
Z1-4		1 1203										X	X												
Z1-5		1 1208											X												
CCV		1 1213										X	X												
CCB		1 1218										X	X												
Z1-8		1 1223																							
Z2-1		1 1228											X												
Z2-3		1 1234											X												
Z2-3	S	1 1239																							
Z2-3	D	1 1244											X												
Z2-3	L	1 1249											X												
Z2-2		1 1254																							
Z2-5		1 1259										X	X												
Z2-4		1 1304										X	X												
Z2-6		1 1309																							
CCV		1 1314										X	X												
CCB		1 1319										X	X												
Z2-8		1 1324										X	X												
Z2-9		1 1329																							
Z1-1A		1 1334										X	X												
Z3-9		1 1339																							

14
ANALYSIS RUN LOGLab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Instrument ID Number: TJA61Method: PStart Date: 04/10/96End Date: 04/10/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	A L	T L	V	Z N	C N	
Z3-2		1	1344									X															
Z3-4		1	1349																								
PBS		1	1355									X															
LCSS		1	1400								X	X															
Z3-5		1	1405								X	X															
Z3-5	S	1	1410								X	X	X														
CCV		1	1415								X	X															
CCB		1	1421								X	X															
Z3-5	D	1	1426								X	X															
Z3-5	L	1	1431								X	X															
		1	1436								X	X															
Z4-17A		1	1441								X	X															
Z4-5B		1	1447								X	X															
UD-2		1	1452								X	X															
Z3-6B		1	1457									X															
Z3-8D		1	1502								X	X															
Z4-6C		1	1507								X																
Z3-5C		1	1512								X	X	X														
CCV		1	1517								X	X															
CCB		1	1522								X	X															
Z4-8B		1	1527								X	X															
Z4-7		1	1532																								
Z3-8A		1	1537								X	X															
Z1-2	A	1	1542																								
TRI-F		1	1547								X	X															
ICSA-F		1	1552		X				X		X	X	X	X													
ICSAB-F		1	1557		X				X		X	X	X	X													
CCV		1	1603								X	X															
CCB		1	1608								X	X															
250 PPM FE		1	1613																								
500 PPM AL		1	1618																								
500 PPM CA		1	1623																								
500 PPM MG		1	1628																								

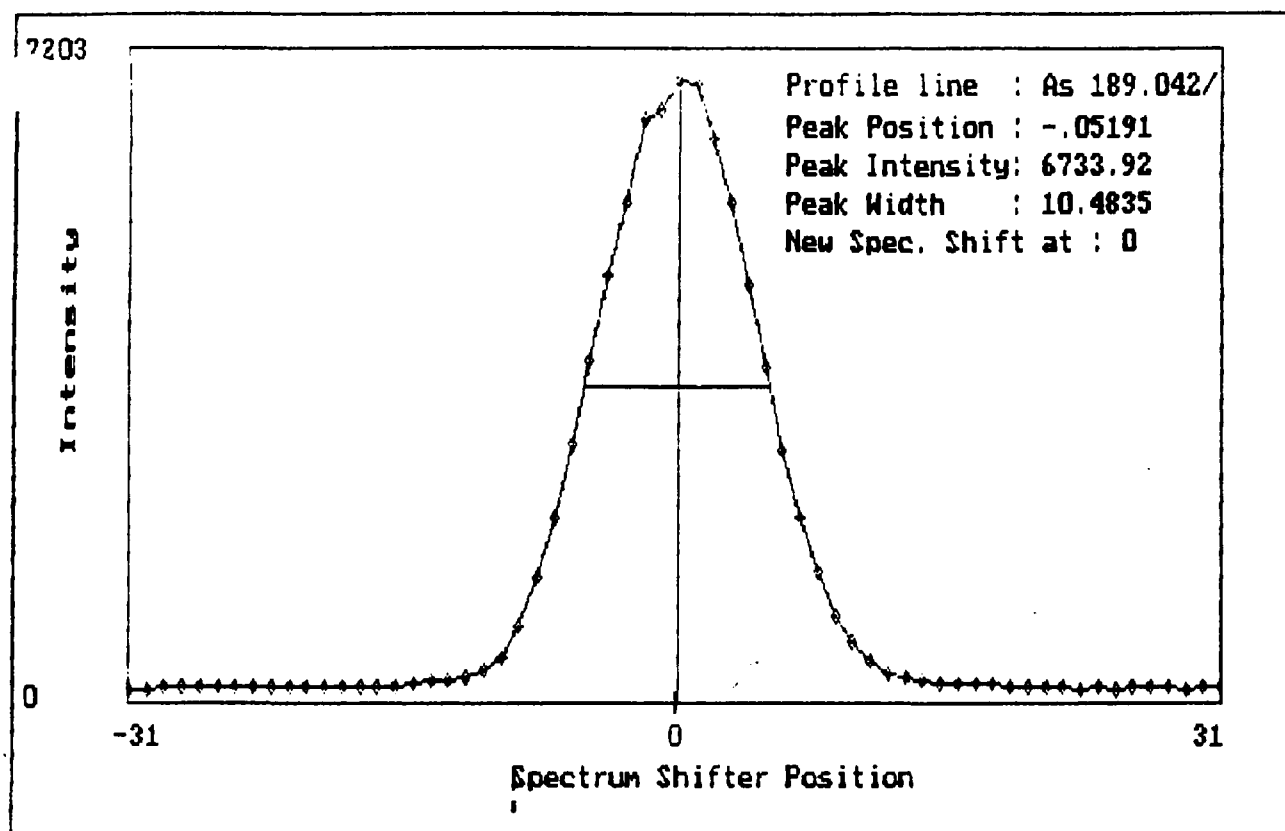
14
ANALYSIS RUN LOG

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1.Instrument ID Number: TJA61Method: PStart Date: 04/10/96End Date: 04/10/96

EPA Sample No.	D/F	Time	% R	Analytes																				
				A L	S B	A S	B A	B E	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N T	T V	Z N
250 PPM K	1	1633																						
250 PPM NA	1	1638																						
BLANK-STD1	1	1711		X					X				X		X			X			X			
STD3D	1	1716		X					X				X		X			X			X			
STD1-BLANK	1	1721			X	X	X	X		X	X	X		X		X		X	X		X	X	X	
STD2A	1	1726			X	X	X	X		X	X	X		X		X		X	X		X	X	X	
STD2B	1	1732			X	X	X	X		X	X	X		X		X		X	X		X	X	X	
STD2C	1	1737			X	X	X	X		X	X	X		X		X		X	X		X	X	X	
ICV	1	1739										X		X										
STD3D	1	1744																						
	1	1749										X		X										
CR1-I	1	1755										X		X										
CSA-I	1	1800		X					X			X	X	X	X									
CSAB-I	1	1805		X					X			X	X	X	X									
ICV	1	1810										X		X										
CCB	1	1816										X		X										
ZZZZZ	1	1821																						
1-1	10	1826										X		X										
1-2	A 1	1831										X												
1-5	5	1837										X												
1-8	100	1842										X		X										
1-1	25	1847										X												
12-3	10	1852										X												
12-3	S 10	1858										X		X										
1-3	D 10	1903										X												
1-3	A 10	1908										X												
ICV	1	1913										X		X										
CCB	1	1919										X		X										
1-3	L 10	1924										X												
12-2	25	1929										X		X										
12-6	25	1934										X		X										
1-9	10	1940										X		X										
1-9	50	1945										X		X										



000085

Wed Oct 10 2007 07:50:20 AM

Page 1

Method: 101 Standard Name: BLANK-STD1

Operator: jmb

Time: 04/10/07 07:50:20

Comment:

Correction Factor: 1

Elem	Al3082	Ca3179	Fe2714	Mg3832	K_7664	Na3302
Avge	.0114452	.0063510	.0000768	.0002953	1.002803	.4146959
SDev	.0003123	.0003513	.0001330	.0001319	.002089	.0015411
%RSD	2.728614	5.531492	173.2051	44.66354	.2083134	.3716181

#1	.0112157	.0066901	.0000000	.0001640	1.003083	.4147509
#2	.0113191	.0059886	.0002303	.0004278	1.004738	.4162087
#3	.0118009	.0063744	.0000000	.0002942	1.000588	.4131281

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
--------	----------	----------	----------	----------	----------	----------

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30492	--	--	--	--	--	--
SDev	100.0067	--	--	--	--	--	--
%RSD	.3279803	--	--	--	--	--	--

#1	30493	--	--	--	--	--	--
#2	30391	--	--	--	--	--	--
#3	30591	--	--	--	--	--	--

200139

Method: TAL Standard Name: STD3A

Operator: jmb

Run Time: 04/10/96 07:56:38

Comment:

Correction Factor: 1

Elem	Al3082	Ca3179	Fe2714	Mg3832	K_7664	Na3302
Avge	.1074378	.1557356	.0653735	.0615250	1.177920	.4276139
SDev	.0003197	.0002261	.0002217	.0002893	.001844	.0006970
%RSD	.2976141	.1451702	.3392110	.4702658	.1565380	.1629935

#1	.1077960	.1558865	.0655780	.0617934	1.178056	.4276276
#2	.1073364	.1558446	.0654046	.0615630	1.179692	.4283040
#3	.1071810	.1554757	.0651378	.0612185	1.176011	.4269102

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
--------	----------	----------	----------	----------	----------	----------

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30747	--	--	--	--	--	--
SDev	114.2763	--	--	--	--	--	--
%RSD	.3716707	--	--	--	--	--	--

#1	30650	--	--	--	--	--	--
#2	30716	--	--	--	--	--	--
#3	30873	--	--	--	--	--	--

Method: TAL Standard Name: STD3E

Operator: jmb

Run Time: 04/10/96 07:59:53

Comment:

Correction Factor: 1

Elem	Al3082	Ca3179	Fe2714	Mg3832	K_7664	Na3302
Avg	1.012664	1.536029	.6536079	.6330263	3.444335	.6483236
SDev	.000561	.001589	.0007641	.0008926	.006445	.0006108
%RSD	.0553555	.1034346	.1169074	.1410113	.1871241	.0942116

#1	1.013078	1.537684	.6540717	.6338816	3.441789	.6476338
#2	1.012897	1.535886	.6540260	.6330967	3.451664	.6485413
#3	1.012026	1.534516	.6527260	.6321005	3.439551	.6487957

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
--------	----------	----------	----------	----------	----------	----------

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	29719	--	--	--	--	--	--
SDev	50.50082	--	--	--	--	--	--
%RSD	.1699296	--	--	--	--	--	--

#1	29668	--	--	--	--	--	--
#2	29719	--	--	--	--	--	--
#3	29769	--	--	--	--	--	--

000088

CALIBRATION REPORT

04/10/96 08:03:10 AM

Method: IAL Standard Name: STD10

Operator: jrb

Run Time: 04/10/96 08:03:10

Comment:

Correction Factor: 1

Elem	Al3082	Ca3179	Fe2714	Mg3832	K_7664	Na3302	
Avge	10.23858	14.55073	6.200257	6.316948	33.27990	3.182610	
SDev	.06665	.09276	.037816	.041896	.14698	.017932	
%RSD	.6509415	.6375061	.6099164	.6632327	.4416500	.5634421	
#1	10.26830	14.60017	6.220753	6.336697	33.26786	3.188493	
#2	10.28519	14.60831	6.223401	6.345321	33.43253	3.196861	
#3	10.16224	14.44373	6.156617	6.268828	33.13931	3.162475	
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29614	--	--	--	--	--	--
SDev	101.6923	--	--	--	--	--	--
%RSD	.3433967	--	--	--	--	--	--
#1	29635	--	--	--	--	--	--
#2	29503	--	--	--	--	--	--
#3	29703	--	--	--	--	--	--

200142

Calibration Report

Wavelength 04/10/96 08:04:17

Page 1

Method: TAL Standard Name: STDSC

Operator: jmb

Time: 04/10/96 08:04:17

Comment:

Correction Factor: 1

Elem	Al3082	Ca3179	Fe2714	Mg3832	K_7664	Na3302
Avge	50.54196	67.05437	14.73179	31.75890	85.19849	8.379804
SDev	.11133	.06065	.00693	.06287	.36105	.013366
%RSD	.2202697	.0904432	.0470149	.1979657	.4237704	.1595056

#1	50.66800	67.12217	14.73979	31.82851	85.58832	8.394820
#2	50.50086	67.03562	14.72796	31.74196	84.87560	8.375381
#3	50.45703	67.00530	14.72763	31.70624	85.13155	8.369208

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
--------	----------	----------	----------	----------	----------	----------

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	26345	--	--	--	--	--	--
SDev	111.2006	--	--	--	--	--	--
%RSD	.4220912	--	--	--	--	--	--

#1	26217	--	--	--	--	--	--
#2	26402	--	--	--	--	--	--
#3	26416	--	--	--	--	--	--

Method: TAL

Standard: BLANK-STD1

Elem	Al3082	Ca3179	Fe2714	Mg3832	K_7664	Na3302
Avge	.01352	.00690	.00121	.00173	1.0046	.41433
SDev	.00049	.00051	.00039	.00030	.0012	.00129
%RSD	3.6146	7.4091	31.938	17.026	.11541	.31106
#1	.01396	.00739	.00153	.00205	1.0059	.41531
#2	.01361	.00693	.00078	.00146	1.0042	.41482
#3	.01300	.00637	.00133	.00169	1.0037	.41287

07-01-1971

07-01-1971 08:01:00 AM

Page 1

ANALYSIS

Standard: 17050

Elem	Al3082	Ca3179	Fe2714	Mg3832	K_7664	Na3302
Avge	51.913	68.462	15.077	32.626	87.723	8.6221
SDev	.172	.032	.011	.110	.383	.0230
%RSD	.33202	.04646	.07381	.33623	.43632	.26723
#1	52.107	68.497	15.090	32.744	88.097	8.6413
#2	51.778	68.453	15.068	32.527	87.740	8.5965
#3	51.853	68.435	15.073	32.607	87.332	8.6284

Method: IAL

Standard: STD1-BLANK

Elem	Sb2068	As1890	Ba4934	Be3130	Cd2265	Cr2677	Co2286
Avge	.00047	-.00032	-.00010	.00965	.00178	.00181	-.00016
SDev	.00013	.00159	.00003	.00004	.00016	.00037	.00011
%RSD	28.099	494.46	33.228	.38019	8.8510	20.683	67.268
#1	.00033	-.00211	-.00007	.00969	.00182	.00221	-.00016
#2	.00058	.00024	-.00013	.00963	.00161	.00174	-.00026
#3	.00050	.00091	-.00010	.00963	.00191	.00147	-.00005
Elem	Cu3247	Mn2576	Ni2316	Ag3280	Tl1908	V_2924	Zn2062
Avge	.00130	.00056	-.00035	-.00009	-.00307	.00004	.00065
SDev	.00004	.00002	.00024	.00010	.00103	.00004	.00009
%RSD	2.8211	3.2762	69.048	114.59	33.472	86.603	14.181
#1	.00128	.00055	-.00016	.00000	-.00189	.00007	.00060
#2	.00135	.00058	-.00062	-.00019	-.00360	.00000	.00060
#3	.00128	.00055	-.00026	-.00006	-.00373	.00006	.00076
Elem	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2	1960/1
Avge	.04835	.00168	.00127	.00014	.00177	.00156	-.00227
SDev	.00016	.00248	.00074	.00004	.00337	.00248	.00014
%RSD	.34076	147.84	58.372	26.694	190.10	159.00	6.3071
#1	.04846	.00439	.00198	.00016	.00140	.00351	-.00237
#2	.04842	.00114	.00133	.00010	-.00139	.00240	-.00211
#3	.04816	-.00049	.00050	.00016	.00532	-.00123	-.00233
Elem	1960/2						
Avge	.00148						
SDev	.00111						
%RSD	74.974						
#1	.00114						
#2	.00272						
#3	.00058						

Method: IAL

Standard: STD2A

Elem	Sb2068	As1890	Ba4934	Be3130	Cd2265	Cr2677	Co2286
Avge	.07626	.06193	.06275	.30421	.99293	.13342	.04707
SDev	.00063	.00108	.00003	.00015	.00077	.00025	.00001
%RSD	.82448	1.7410	.04013	.04900	.07756	.19038	.01981

#1	.07663	.06275	.06277	.30437	.99330	.13334	.04708
#2	.07661	.06232	.06272	.30419	.99204	.13370	.04707
#3	.07553	.06071	.06276	.30407	.99344	.13321	.04706

Elem	Cu3247	Mn2576	Ni2316	Ag3280	Tl1908	V_2924	Zn2062
Avge	.02768	.10338	.20874	.00922	.04592	.04822	.05384
SDev	.00009	.00017	.00023	.00008	.00035	.00011	.00008
%RSD	.32377	.16379	.11083	.91432	.76798	.22761	.14223

#1	.02760	.10353	.20897	.00923	.04552	.04819	.05389
#2	.02767	.10342	.20874	.00913	.04605	.04834	.05375
#3	.02778	.10320	.20851	.00930	.04619	.04812	.05387

Elem	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2	1960/1
Avge	.12765	.30339	.09542	.12061	.24374	.27378	.02731
SDev	.00049	.00345	.00063	.00002	.00044	.00119	.00113
%RSD	.38709	1.1383	.66391	.01947	.17876	.43579	4.1412

#1	.12821	.30421	.09470	.12064	.24421	.27505	.02734
#2	.12745	.30635	.09571	.12061	.24335	.27269	.02842
#3	.12729	.29960	.09587	.12059	.24366	.27360	.02616

Elem	1960/2
Avge	.02417
SDev	.00083
%RSD	3.4261

#1	.02499
#2	.02418
#3	.02333

Method: TAL

Standard: STD2B

Elem	Sb2068	As1890	Ba4934	Be3130	Cd2265	Cr2677	Co2286
Avge	.74949	.64111	.62763	2.9677	9.9140	1.3351	.47326
SDev	.01041	.00465	.00667	.0315	.1019	.0141	.00492
%RSD	1.3895	.72536	1.0628	1.0600	1.0280	1.0535	1.0398
#1	.74796	.64114	.62572	2.9563	9.8772	1.3294	.47143
#2	.73992	.63644	.62212	2.9435	9.8356	1.3248	.46951
#3	.76058	.64574	.63505	3.0033	10.029	1.3511	.47883
Elem	Cu3247	Mn2576	Ni2316	Ag3280	Tl1908	V_2924	Zn2062
Avge	.26983	1.0234	2.0994	.09507	.50025	.48192	.53273
SDev	.00279	.0105	.0205	.00101	.00551	.00553	.00581
%RSD	1.0351	1.0255	.97414	1.0606	1.1009	1.1481	1.0906
#1	.26916	1.0201	2.0924	.09468	.49883	.47953	.52972
#2	.26743	1.0150	2.0834	.09432	.49559	.47798	.52905
#3	.27290	1.0352	2.1224	.09622	.50633	.48824	.53943
Elem	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2	1960/1
Avge	.84896	3.0155	.95827	1.2041	2.4250	2.7430	.30665
SDev	.00816	.0324	.01006	.0130	.0220	.0231	.00579
%RSD	.96127	1.0748	1.0501	1.0762	.90683	.84344	1.8895
#1	.84474	3.0045	.95680	1.1997	2.4151	2.7338	.30340
#2	.84377	2.9900	.94902	1.1939	2.4096	2.7258	.30322
#3	.85837	3.0520	.96899	1.2187	2.4502	2.7693	.31334
Elem	1960/2						
Avge	.22763						
SDev	.00283						
%RSD	1.2441						
#1	.22767						
#2	.22478						
#3	.23045						

Identification Rpt.

Mod on 10-26-00 11:55 AM

Page 1

Method: TAL

Standard: STD20

Elem	Sb2068	As1890	Ba4934	Be3130	Cd2265	Cr2677	Co2286
Avge	7.3911	6.3246	6.1209	28.627	97.038	13.359	4.7062
SDev	.0446	.0322	.0351	.147	.486	.080	.0262
%RSD	.60291	.50978	.57347	.51498	.50118	.59553	.55615

#1	7.3492	6.3026	6.0886	28.471	96.521	13.271	4.6773
#2	7.4379	6.3616	6.1582	28.765	97.486	13.425	4.7283
#3	7.3861	6.3095	6.1160	28.644	97.108	13.382	4.7130

Elem	Cu3247	Mn2576	Ni2316	Ag3280	Tl1908	V_2924	Zn2062
Avge	2.7089	9.8772	20.764	.95715	5.0170	4.8538	5.2294
SDev	.0146	.0495	.119	.00475	.0310	.0310	.0251
%RSD	.53946	.50160	.57217	.49653	.61825	.63873	.47907

#1	2.6955	9.8271	20.634	.95204	4.9816	4.8197	5.2011
#2	2.7245	9.9262	20.867	.96144	5.0394	4.8802	5.2487
#3	2.7067	9.8783	20.792	.95796	5.0301	4.8616	5.2385

Elem	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2	1960/1
Avge	8.0593	29.992	9.5585	12.052	24.124	27.302	3.0796
SDev	.0417	.186	.0626	.081	.085	.073	.0096
%RSD	.51767	.62077	.65473	.67612	.35135	.26811	.31306

#1	8.0166	29.802	9.4954	11.962	24.030	27.234	3.0691
#2	8.1000	30.174	9.6206	12.121	24.194	27.380	3.0817
#3	8.0613	30.001	9.5596	12.074	24.148	27.291	3.0881

Elem	1960/2
Avge	2.2481
SDev	.0059
%RSD	.26179

#1	2.2441
#2	2.2549
#3	2.2453

Analytical Report

MS100-10-96 00:44:59 AM

page 1

Method: IAL Sample Name: ICV

Operator: tap

Run Time: 04/10/96 08:42:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	23.949	2.6071	2.6426	2.5459	2.6628	2.4850	24.540
SDev	.043	.0045	.0057	.0029	.0031	.0021	.039
%RSD	.18130	.17320	.21434	.11330	.11788	.08609	.15856

#1	23.978	2.6107	2.6424	2.5466	2.6654	2.4872	24.583
#2	23.899	2.6087	2.6370	2.5427	2.6593	2.4829	24.508
#3	23.971	2.6021	2.6483	2.5484	2.6637	2.4851	24.530

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5163	2.5076	2.4967	26.554	24.557	2.4785	2.4780
SDev	.0034	.0045	.0051	.061	.058	.0029	.0036
%RSD	.13650	.17892	.20269	.22812	.23443	.11844	.14549

#1	2.5179	2.5109	2.4977	26.615	24.591	2.4813	2.4808
#2	2.5124	2.5025	2.4912	26.494	24.490	2.4755	2.4739
#3	2.5186	2.5094	2.5012	26.552	24.590	2.4786	2.4792

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	22.567	.25206	2.5037	2.5854	24.702	2.5170	2.5826
SDev	.152	.00024	.0117	.0181	.102	.0049	.0035
%RSD	.67512	.09545	.46604	.69965	.41260	.19445	.13373

#1	22.735	.25205	2.5149	2.6044	24.818	2.5225	2.5855
#2	22.438	.25182	2.4916	2.5684	24.627	2.5153	2.5788
#3	22.527	.25230	2.5047	2.5833	24.660	2.5131	2.5836

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4938	2.7179	2.5565	2.6167	2.5945	2.5047	2.5026
SDev	.0043	.0065	.0032	.0026	.0030	.0109	.0121
%RSD	.17150	.24079	.12570	.10038	.11739	.43395	.48346

#1	2.4963	2.7231	2.5539	2.6182	2.5960	2.5157	2.5139
#2	2.4901	2.7106	2.5555	2.6181	2.5910	2.4940	2.4898
#3	2.4928	2.7201	2.5601	2.6136	2.5965	2.5045	2.5042

Elem	1360/1	1360/2
Units	ppm	ppm
Avge	2.6192	2.5681
SDev	.0196	.0174
%RSD	.74924	.67863

#1	2.6385	2.5869
#2	2.5993	2.5525
#3	2.6197	2.5648

Anl 10/10/96

Wed 10/10/96 08:57:03 AM

page 1

Method: IAL Sample Name: icb

Operator: tep

Run Time: 04/10/96 08:47:03

Comment: Calibration Blank

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08208	.00206	.00057	.00117	.00113	.00106	-.13016
SDev	.00181	.00077	.00112	.00012	.00011	.00017	.00147
%RSD	2.2009	37.585	195.12	10.390	9.7567	16.269	1.1306

#1	.08010	.00264	.00171	.00125	.00122	.00119	-.13153
#2	.08249	.00235	.00055	.00124	.00118	.00113	-.12861
#3	.08364	.00118	-.00053	.00103	.00101	.00086	-.13034

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00085	.00117	.00091	-.08742	-.01883	.00097	.00094
SDev	.00084	.00014	.00044	.00817	.00285	.00011	.00022
%RSD	97.828	11.929	48.097	9.3435	15.132	11.688	23.594

#1	.00008	.00113	.00135	-.09567	-.01798	.00104	.00093
#2	.00174	.00129	.00090	-.07934	-.02201	.00103	.00117
#3	.00074	.00102	.00047	-.08725	-.01651	.00084	.00072

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.89305	.00022	.00135	-.00039	.65148	.00786	.00106
SDev	.00520	.00011	.00088	.00068	.02056	.00150	.00016
%RSD	.58232	50.471	65.091	174.20	3.1553	19.031	14.725

#1	.89843	.00027	.00117	-.00106	.66870	.00834	.00097
#2	.88805	.00009	.00058	.00031	.65701	.00905	.00124
#3	.89265	.00030	.00231	-.00042	.62872	.00618	.00097

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00108	.00630	.00318	.00118	.00119	.00246	.00036
SDev	.00016	.00121	.00079	.00061	.00006	.00079	.00099
%RSD	15.143	19.277	24.798	52.261	4.9274	32.220	275.28

#1	.00115	.00712	.00407	.00121	.00124	.00171	-.00002
#2	.00110	.00607	.00287	.00178	.00120	.00157	-.00036
#3	.00090	.00521	.00259	.00055	.00112	.00309	.00148

Elem	1860/1	1860/2
Units	ppm	ppm
Avg	-.00227	.00015
SDev	.00431	.00201
%RSD	190.21	1304.5

#1	-.00632	.00117
#2	-.00275	.00144
#3	.00227	-.00216

Method: IAL Sample Name: CRT

Operator: jmb

Time: 04/10/96 08:52:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08273	.12083	.02177	.00057	.01113	.01132	-.13195
SD	.00152	.00093	.00338	.00009	.00009	.00012	.00049
%RSD	1.8310	.77236	15.525	15.960	.83935	1.0600	.37230

#1	.08117	.12137	.02169	.00062	.01123	.01146	-.13208
#2	.08419	.12136	.01842	.00062	.01110	.01125	-.13237
#3	.08282	.11975	Q.02518	.00046	.01105	.01125	-.13141

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02173	.10296	.05117	-.08210	-.02031	.03123	.08320
SD	.00087	.00011	.00020	.00799	.00203	.00008	.00022
%RSD	4.0008	.10654	.39886	9.7372	10.000	.26810	.26525

#1	.02094	.10303	.05125	-.08875	-.02249	.03132	.08303
#2	.02158	.10283	.05131	-.08432	-.01847	.03123	.08345
#3	.02266	.10301	.05093	-.07323	-.01996	.03115	.08313

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.92209	.02088	.00692	Q.00705	.77812	Q.02400	.10467
SD	.01346	.00023	.00085	.00063	.03396	.00145	.00019
%RSD	1.4593	1.1210	12.237	8.8775	4.3639	6.0284	.18353

#1	.92318	.02088	.00710	Q.00777	.77887	.02367	.10471
#2	.90813	.02112	.00600	Q.00669	.74380	.02276	.10484
#3	.93497	.02065	Q.00767	Q.00669	.81170	Q.02559	.10446

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03961	.00550	.00170	-.00133	.00050	.00653	.00663
SD	.00007	.00006	.00061	.00038	.00004	.00089	.00151
%RSD	.16771	1.0958	35.762	28.947	8.1292	13.615	22.768

#1	.03958	.00546	.00215	-.00176	.00054	.00736	.00665
#2	.03970	.00557	.00196	-.00121	.00051	.00662	.00520
#3	.03956	.00547	.00101	-.00102	.00045	.00560	.00821

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00260	.00888
SD	.00414	.00113
%RSD	159.01	12.798

#1	.00736	.00758
#2	-.00014	.00971
#3	.00058	.00934

Analytical Report of Standard

Wed 04-10-96 09:02:10 AM

page 1

Method: IAL Sample Name: ICSA

Operator: jmb

Time: 04/10/96 08:57:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	477.64	.00097	.00106	.00185	.00194	.00287	478.02
SD	1.30	.00098	.00169	.00007	.00005	.00010	2.15
%RSD	.27240	101.46	159.86	3.6794	2.6160	3.4291	.45051

#1	478.80	.00008	-.00053	.00190	.00199	.00298	480.16
#2	477.89	.00203	.00086	.00177	.00193	.00281	478.05
#3	476.23	.00081	.00285	.00187	.00189	.00282	475.85

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00338	.00107	.01186	187.13	496.40	.00843	.00191
SD	.00034	.00016	.00016	.70	.69	.00007	.00023
%RSD	9.9806	15.288	1.3573	.37320	.13946	.86898	12.333

#1	.00357	.00125	.01204	187.80	496.95	.00850	.00214
#2	.00299	.00102	.01181	187.18	496.63	.00844	.00167
#3	.00359	.00094	.01172	186.40	495.62	.00835	.00190

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0340	.00020	-.00246	.00072	3.2589	-.00285	-.01080
SD	.0154	.00056	.00038	.00265	.1343	.00483	.00013
%RSD	1.4930	286.49	15.519	368.18	4.1206	169.37	1.2358

#1	1.0508	.00071	-.00256	.00375	3.3902	-.00376	-.01068
#2	1.0307	.00028	-.00204	-.00120	3.2647	.00237	-.01079
#3	1.0205	-.00040	-.00279	-.00039	3.1218	-.00717	-.01095

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00525	.01039	.01809	.00012	.00007	.03599	-.02218
SD	.00068	.00057	.00096	.00356	.00012	.00162	.00132
%RSD	12.955	5.5354	5.2815	2870.8	173.62	4.4944	5.9545

#1	.00576	.01103	.01838	.00401	.00019	.03725	.02035
#2	.00446	.01020	.01687	-.00292	.00007	.03417	-.02066
#3	.00553	.00993	.01702	-.00074	-.00005	.03656	-.02292

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00397	-.00133
SD	.00686	.00447
%RSD	172.84	335.13

#1	.00497	.00270
#2	-.00334	-.00056
#3	.01027	-.00614

Daily Report

QC Standard

Wed 04/10/96 09:07:13 AM

Page 1

Method: IAL Sample Name: icosab

Operator: jmb

Run Time: 04/10/96 09:02:14

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	Q492.92	Q.00352	Q-.00295	Q.53675	Q.54675	Q.94835	Q501.92
SDev	.84	.00260	.00134	.00004	.00049	.00114	.92
%RSD	.17052	73.868	45.460	.00767	.08867	.12061	.18422

#1	Q493.70	Q.00158	Q-.00413	Q.53679	Q.54731	Q.94953	Q502.89
#2	Q493.03	Q.00648	Q-.00149	Q.53671	Q.54648	Q.94724	Q501.05
#3	Q492.03	Q.00251	Q-.00324	Q.53673	Q.54645	Q.94828	Q501.82

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	Q.49556	Q.47254	.53941	Q194.01	Q509.19	Q.49041	Q.91575
SDev	.00093	.00162	.00093	.22	.80	.00048	.00232
%RSD	.18745	.34203	.17269	.11434	.15649	.09811	.25357

#1	Q.49660	Q.47384	.54015	Q194.25	Q510.01	Q.49096	Q.91799
#2	Q.49479	Q.47073	.53972	Q193.81	Q509.16	Q.49008	Q.91336
#3	Q.49530	Q.47304	.53837	Q193.96	Q508.41	Q.49020	Q.91589

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	Q1.1329	Q1.1193	Q.93648	Q.00292	Q3.7995	Q-.00527	Q.51246
SDev	.0111	.0008	Q.00450	.01140	.0727	.00387	.00060
%RSD	.98263	.06727	.48063	390.94	1.9147	73.374	.11806

#1	Q1.1438	Q1.1202	Q.93907	Q.00794	Q3.8615	Q-.00551	Q.51302
#2	Q1.1216	Q1.1192	Q.93129	Q-.01013	Q3.7194	Q-.00129	Q.51254
#3	Q1.1334	Q1.1187	Q.93909	Q.01094	Q3.8175	Q-.00901	Q.51181

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	Q.95067	Q.00672	Q.01778	Q.00185	Q.00025	.97222	.91809
SDev	.00024	.00026	.00212	.00269	.00010	.00400	.00487
%RSD	.02851	3.8073	11.923	145.43	40.230	.41159	.53021

#1	Q.95067	Q.00672	Q.01778	Q.00185	Q.00025	.97222	.91809
#2	Q.95067	Q.00672	Q.01778	Q.00185	Q.00025	.97222	.91809
#3	Q.95170	Q.00691	Q.01533	Q.00319	Q.00037	.97329	.92146

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00188	.00293
SDev	.01241	.01118
%RSD	623.47	381.13

#1	.00407	.00942
#2	-.01133	-.00998
#3	.01323	.00936

Analytical Report

01 Standard

Method: TAL

Page: 1

Sample Name: QCV

Operation: Job

Time: 04/10/96 09:07:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.297	5.2939	5.3748	5.1969	5.3756	4.9876	50.010
SDev	.146	.0091	.0189	.0096	.0129	.0095	.112
%RSD	.29647	.17196	.35192	.18463	.23995	.18992	.22390

#1	49.453	5.3026	5.3890	5.2069	5.3886	4.9977	50.123
#2	49.274	5.2947	5.3821	5.1960	5.3753	4.9861	50.008
#3	49.163	5.2845	5.3534	5.1877	5.3628	4.9789	49.899

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.1291	5.0627	5.1138	54.148	50.394	4.9567	5.0062
SDev	.0093	.0097	.0126	.130	.125	.0130	.0099
%RSD	.18218	.19215	.24734	.23976	.24709	.26236	.19755

#1	5.1385	5.0722	5.1268	54.260	50.531	4.9695	5.0162
#2	5.1287	5.0632	5.1129	54.177	50.363	4.9570	5.0059
#3	5.1199	5.0528	5.1015	54.006	50.288	4.9435	4.9964

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.216	.51943	5.0399	5.2732	52.293	5.0193	5.2891
SDev	.146	.00140	.0127	.0032	.285	.0014	.0091
%RSD	.29650	.26991	.25203	.06095	.54556	.02731	.17197

#1	49.385	.52104	5.0517	5.2741	52.605	5.0207	5.2984
#2	49.137	.51848	5.0414	5.2696	52.229	5.0180	5.2886
#3	49.128	.51877	5.0265	5.2759	52.046	5.0191	5.2802

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0269	Q5.5357	5.2328	5.3665	5.3157	5.0281	5.0452
SDev	.0093	.0093	.0048	.0092	.0092	.0199	.0097
%RSD	.18526	.16721	.09162	.17157	.17277	.19505	.19206

#1	5.0288	Q5.5461	5.2310	5.3645	5.3250	5.0400	5.0554
#2	5.0374	Q5.5326	5.2288	5.3765	5.3153	5.0358	5.0437
#3	5.0173	Q5.5284	5.2381	5.3584	5.3067	5.0055	5.0364

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	5.3280	5.2453
SDev	.0268	.0160
%RSD	.50274	.00597

#1	5.3521	5.2347
#2	5.3333	5.2374
#3	5.2992	5.2638

Anal. File: 00102

Date: 04-10-96 09:12:21

Page: 1

Method: ICP Sample Name: CRF

Operator: Jmb

Run Time: 04/10/96 09:12:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12523	.00362	.00157	.00129	.00136	.00117	-.08626
SDev	.01008	.00086	.00226	.00058	.00054	.00058	.01230
%RSD	8.0505	23.800	143.94	44.845	39.745	49.756	14.259

#1	.11595	.00344	-.00069	.00067	.00077	.00054	-.09750
#2	.13595	.00285	.00384	.00182	.00183	.00169	-.07312
#3	.12378	.00455	.00157	.00140	.00147	.00127	-.08816

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	.00131	.00083	-.07172	.02279	.00111	.00103
SDev	.00072	.00052	.00064	.00924	.01273	.00054	.00084
%RSD	246.44	39.936	77.601	12.883	55.885	48.528	81.916

#1	.00049	.00075	.00013	-.08171	.01168	.00052	.00024
#2	.00091	.00178	.00140	-.06348	.03668	.00158	.00191
#3	.00045	.00140	.00095	-.06998	.01999	.00122	.00093

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.92115	.00028	.00155	.00131	.70890	.00560	.00124
SDev	.00427	.00014	.00033	.00090	.04231	.00413	.00055
%RSD	.46351	51.654	21.219	68.726	5.9679	73.682	44.412

#1	.92395	.00023	.00118	.00027	.73825	.00952	.00064
#2	.92326	.00016	.00182	.00191	.72804	.00598	.00172
#3	.91623	.00044	.00163	.00175	.66040	.00130	.00137

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00129	.00732	.00421	.00113	.00125	.00300	.00038
SDev	.00067	.00103	.00106	.00111	.00049	.00135	.00028
%RSD	52.043	14.071	25.204	98.248	39.254	44.850	73.1034

#1	.00056	.00822	.00526	.00186	.00072	.00178	.00044
#2	.00168	.00754	.00398	-.00015	.00169	.00445	.00006
#3	.00144	.00619	.00328	.00169	.00134	.00277	.00062

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	-.00188	.00251
SDev	.00311	.00210
%RSD	165.91	83.674

#1	-.00204	.00104
#2	-.00490	.00492
#3	.00131	.00158

Analysis Report

Wed Oct 10 '96 09:12:24 AM

Page: 1

Method: IAL Sample Name: pbwwg4434:ire A

Operator: jmb

Run Time: 04-10-96 09:12:25

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10110	.00168	.00149	.00044	.00046	.00026	-.09851
SDev	.00067	.00167	.00237	.00008	.00002	.00008	.00232
%RSD	.66548	99.309	158.53	17.431	4.4205	31.187	2.3531

#1	.10179	.00358	.00233	.00051	.00047	.00033	-.09593
#2	.10044	.00094	.00333	.00036	.00048	.00028	-.09916
#3	.10106	.00051	-.00118	.00046	.00044	.00017	-.10043

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00024	.00055	.00118	-.07899	-.00136	.00087	.00072
SDev	.00016	.00016	.00018	.00201	.00510	.00025	.00018
%RSD	66.297	29.690	14.937	2.5446	374.24	28.367	25.079

#1	-.00007	.00060	.00139	-.07702	.00424	.00114	.00076
#2	-.00039	.00068	.00110	-.08104	-.00574	.00079	.00087
#3	-.00027	.00037	.00106	-.07891	-.00259	.00067	.00052

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97988	.00021	.00036	.00020	.91073	.00367	.00032
SDev	.04734	.00028	.00060	.00130	.23803	.00175	.00020
%RSD	4.8309	131.88	163.89	653.95	26.136	47.690	62.615

#1	.92643	-.00008	.00087	.00120	.64881	.00554	.00049
#2	.99671	.00023	.00051	.00067	.96952	.00341	.00037
#3	1.0165	.00048	-.00029	-.00127	1.1139	.00207	.00010

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00283	.01033	.00111	-.00076	.00036	.00024	-.00002
SDev	.00008	.00085	.00071	.00046	.00006	.00158	.00047
%RSD	2.6802	8.2062	63.903	60.461	16.253	644.65	2648.4

#1	.00273	.00943	.00191	-.00111	.00038	.00071	.00030
#2	.00278	.01045	.00084	-.00024	.00040	.00151	-.00040
#3	.00292	.01111	.00057	-.00095	.00029	-.00152	-.00013

Elem	1860/1	1860/2
Units	ppm	ppm
Avg	.00315	-.00167
SDev	.00268	.00311
%RSD	84.996	186.63

#1	.00010	.00136
#2	.00425	-.00151
#3	.00510	-.00485

Method: TAL Sample Name: loww4434; jre K, Se Operator: jmb

Time: 04/10/99 09:22:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0380	.53738	.04504	2.0489	.05502	.05158	9.9684
SDev	.0151	.00232	.00100	.0137	.00039	.00028	.0722
%RSD	.73968	.43091	2.2179	.66803	.70361	.53707	.72438

#1	2.0211	.53508	.04475	2.0336	.05459	.05127	9.8879
#2	2.0432	.53734	.04421	2.0533	.05512	.05180	9.9899
#3	2.0499	.53971	.04615	2.0599	.05534	.05168	10.027

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20413	.51351	.25014	.89955	10.228	.50572	.51822
SDev	.00157	.00377	.00170	.00621	.076	.00342	.00323
%RSD	.76925	.73487	.68101	.69017	.74027	.67632	.62228

#1	.20239	.50925	.24822	.89415	10.145	.50192	.51451
#2	.20459	.51486	.25074	.89817	10.246	.50670	.51977
#3	.20543	.51642	.25146	.90633	10.294	.50854	.52037

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.957	.05281	.51638	.00846	10.459	.05447	.53041
SDev	.220	.00068	.00540	.00075	.215	.00270	.00357
%RSD	1.2956	1.2798	1.0462	8.8939	2.0573	4.9584	.67252

#1	16.704	.05204	.51046	.00868	10.226	.05147	.52643
#2	17.061	.05314	.51765	.00762	10.501	.05525	.53148
#3	17.105	.05326	.52104	.00908	10.650	.05670	.53332

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52780	.57193	.52553	.54275	.53378	.51415	.51705
SDev	.00427	.00465	.00286	.00463	.00353	.00442	.00590
%RSD	.80956	.81269	.54416	.85334	.66229	.85812	1.1400

#1	.5191	.56685	.52224	.53828	.52932	.50711	.51832
#2	.52864	.57299	.52696	.54243	.53487	.51542	.51832
#3	.53158	.57596	.52740	.54753	.53665	.51780	.52221

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.01112	.00674
SDev	.00165	.00195
%RSD	14.871	28.980

#1	.01055	.00736
#2	.01298	.00455
#3	.00982	.00831

Lab Report

Wed 04-10-96 09:30:00 AM

page: 1

Method: IAL Sample Name: 61347001:10x

Operator: jmb

Run Date: 04/10/96 09:27:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.8154	.00191	.00424	.01279	.00099	.00299	60.281
SDev	.0130	.00025	.00223	.00006	.00002	.00006	.242
%RSD	.46341	12.931	52.686	.46166	2.1211	2.1173	.40131

#1	2.8304	.00164	.00352	.01285	.00100	.00295	60.560
#2	2.8069	.00212	.00674	.01278	.00101	.00296	60.137
#3	2.8089	.00199	.00245	.01273	.00097	.00306	60.146

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00224	.00284	.00805	3.8314	121.69	.58493	.00307
SDev	.00017	.00018	.00013	.0201	.45	.00259	.00015
%RSD	7.7093	6.3680	1.6215	.52587	.36946	.44259	5.0038

#1	.00240	.00305	.00794	3.8530	122.21	.58792	.00314
#2	.00227	.00274	.00820	3.8280	121.41	.58363	.00289
#3	.00206	.00273	.00802	3.8132	121.45	.58326	.00318

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.214	.00013	.00114	-.00204	603.37	.00434	.00603
SDev	.169	.00028	.00010	.00149	1.57	.00195	.00020
%RSD	.55826	212.57	8.9389	72.999	.26013	44.812	3.2734

#1	30.397	-.00008	.00115	-.00109	605.09	.00325	.00602
#2	30.065	.00003	.00103	-.00128	602.01	.00659	.00624
#3	30.179	.00045	.00123	-.00375	603.00	.00319	.00584

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00808	.28636	.00167	-.00193	.02801	.00431	-.00095
SDev	.00010	.00109	.00036	.00108	.00017	.00084	.00039
%RSD	1.1769	.37888	21.453	56.219	.61994	19.465	40.931

#1	.00819	.28756	.00208	-.00199	.02821	.00348	-.00050
#2	.00804	.28606	.00145	-.00212	.02789	.00430	-.00114
#3	.00801	.28546	.00147	-.00076	.02793	.00516	-.00121

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00082	-.000390
SDev	.00226	.00216
%RSD	275.38	55.493

#1	.00334	-.00373
#2	-.00104	-.00182
#3	.00017	-.00614

Sample Name: 61347001ms;10x
 Time: 04/10/96 09:32:34

Operator: jml

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0073	.04649	.00794	.20545	.00598	.00755	59.246
SDev	.0087	.00097	.00120	.00070	.00002	.00007	.100
%RSD	.28817	2.0812	15.182	.34150	.30839	.92199	.16900

#1	3.0166	.04672	.00931	.20626	.00598	.00752	59.361
#2	3.0057	.04732	.00744	.20501	.00596	.00763	59.189
#3	2.9995	.04543	.00706	.20508	.00600	.00750	59.187

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02119	.04935	.03151	3.5615	118.74	.61141	.04966
SDev	.00017	.00013	.00015	.0194	.35	.00123	.00015
%RSD	.79165	.25327	.48900	.54444	.29892	.20177	.29933

#1	.02112	.04946	.03163	3.5824	119.14	.61280	.04949
#2	.02106	.04939	.03133	3.5579	118.60	.61101	.04976
#3	.02138	.04922	.03156	3.5441	118.47	.61043	.04972

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	32.119	.00522	.04807	.00173	590.78	.00853	.05617
SDev	.046	.00015	.00094	.00187	.80	.00055	.00022
%RSD	.14432	2.9535	1.9523	108.05	.13506	6.4864	.40016

#1	32.173	.00535	.04872	.00305	591.70	.00805	.05615
#2	32.098	.00526	.04699	.00255	590.42	.00842	.05640
#3	32.088	.00505	.04848	-.00041	590.24	.00914	.05596

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05544	.33075	.04976	.05055	.07160	.05002	.04656
SDev	.00008	.00001	.00137	.00034	.00076	.00093	.00127
%RSD	.13032	.00306	2.7463	.67116	1.0651	1.8682	2.7215

#1	.05536	.33075	.04941	.05004	.07201	.04955	.04773
#2	.05548	.33074	.05127	.05040	.07072	.04941	.04525
#3	.05549	.33076	.04861	.05031	.07207	.05110	.04664

Elem	1860/1	1860/2
Units	ppm	ppm
Avg	.00320	.00056
SDev	.00301	.00347
%RSD	93.356	620.61

#1	.00541	.00144
#2	-.00001	.00351
#3	.00446	-.00327

Analysis Report

Date: 04/10/96 09:37:37

Page: 1

Method: IAL

Sample Name: 61347001dup.110

Operator: jmb

Run Time: 04/10/96 09:37:37

Element:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4641	.00102	.00424	.01165	.00082	.00288	57.939
SDev	.0083	.00084	.00355	.00002	.00001	.00008	.229
%RSD	.33583	82.564	83.616	.17708	.68160	2.7372	.39557

#1	2.4737	.00020	.00833	.01167	.00082	.00297	58.202
#2	2.4588	.00097	.00218	.01164	.00082	.00283	57.832
#3	2.4599	.00188	.00221	.01163	.00083	.00284	57.783

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00188	.00260	.00745	3.4894	117.29	.56411	.00294
SDev	.00011	.00022	.00012	.0123	.47	.00203	.00013
%RSD	5.9022	8.6032	1.6511	.35153	.40178	.36034	4.3854

#1	.00193	.00249	.00754	3.5035	117.33	.56645	.00279
#2	.00195	.00245	.00731	3.4829	117.04	.56307	.00304
#3	.00175	.00286	.00750	3.4817	117.00	.56281	.00298

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	29.211	.00044	.00171	-.00161	589.53	.00394	.00560
SDev	.201	.00013	.00045	.00150	1.48	.00123	.00014
%RSD	.68966	30.239	26.057	93.175	.25147	31.159	2.4994

#1	29.429	.00029	.00177	-.00158	591.22	.00253	.00544
#2	29.174	.00055	.00124	-.00013	588.44	.00472	.00564
#3	29.031	.00048	.00213	-.00314	588.94	.00458	.00571

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00717	.27300	.00008	-.00082	.02506	.00440	-.00012
SDev	.00021	.00109	.00103	.00151	.00029	.00093	.00045
%RSD	2.9264	.39729	1378.7	182.60	1.1439	21.005	360.09

#1	.00712	.27410	-.00072	-.00246	.02506	.00535	.00041
#2	.00740	.27193	-.00029	-.00042	.02504	.00341	-.00032
#3	.00699	.27299	.00124	.00044	.02479	.00455	.00039

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00261	-.00415
SDev	.00317	.00230
%RSD	121.50	55.404

#1	-.00083	-.00237
#2	.00542	-.00332
#3	.00329	-.00674

Analysis Report

Wed 04/10/96 09:42:43

Page 1

Method: IAL Sample Name: JES-0011:10x

Operator: Job:

Run Time: 04/10/96 09:42:43

Element:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.35231	.00117	-.00032	.00135	.00028	.00035	5.8472
SDev	.00123	.00069	.00064	.00003	.00000	.00011	.0200
%RSD	.35029	59.622	200.00	2.3073	.98232	31.949	.34161

#1	.35131	.00130	.00029	.00137	.00028	.00025	5.8699
#2	.35369	.00041	-.00099	.00137	.00028	.00047	5.8321
#3	.35193	.00178	-.00026	.00132	.00029	.00034	5.8398

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.00047	.00019	.30277	12.151	.05837	.00016
SDev	.00045	.00009	.00015	.00550	.036	.00018	.00010
%RSD	730.23	19.667	79.838	1.8178	.29539	.30449	60.655

#1	-.00053	.00040	.00018	.29651	12.192	.05858	.00018
#2	.00037	.00044	.00035	.30685	12.127	.05830	.00024
#3	-.00003	.00058	.00005	.30494	12.134	.05825	.00005

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6907	.00026	.00042	.00102	68.480	.00219	.00076
SDev	.0151	.00007	.00024	.00043	.260	.00083	.00004
%RSD	.56061	27.605	57.730	42.482	.37969	38.009	5.2315

#1	2.7062	.00033	.00017	.00123	68.742	.00192	.00074
#2	2.6760	.00025	.00043	.00052	68.222	.00153	.00074
#3	2.6900	.00018	.00066	.00130	68.476	.00313	.00081

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00094	.02852	.00000	-.00213	.00285	.00136	-.00049
SDev	.00013	.00026	.00068	.00148	.00017	.00086	.00078
%RSD	13.316	.92676	35454	69.538	5.8170	63.314	157.55

#1	.00081	.02868	.00003	-.00091	.00267	.00234	-.00136
#2	.00096	.02821	-.00069	-.00171	.00289	.00094	-.00027
#3	.00105	.02866	.00067	-.00378	.00300	.00079	.00015

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00443	-.00108
SDev	.00058	.00060
%RSD	13.072	55.096

#1	.00399	-.00054
#2	.00421	-.00172
#3	.00508	-.00099

Analysis Report

Wed 04-10-96 09:52:44 AM

000109

Method: IAL

Sample Name: 61169004;5x;ire Fe

Operator: jmb

Time: 04/10/96 09:47:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.4209	.00495	.11628	.71566	.00114	.00189	69.479
SDev	.0374	.00070	.00061	.00326	.00001	.00011	.262
%RSD	.44361	14.199	.52421	.45505	.39376	5.9369	.37702

#1	8.4534	.00520	.11690	.71850	.00115	.00200	69.743
#2	8.3801	.00415	.11568	.71211	.00114	.00190	69.219
#3	8.4293	.00549	.11625	.71638	.00115	.00177	69.476

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08754	.01903	.29800	369.07	17.066	1.8496	.12090
SDev	.00044	.00017	.00123	1.47	.103	.0075	.00052
%RSD	.50252	.87336	.41324	.39724	.60567	.40345	.43198

#1	.08805	.01892	.29892	370.43	17.159	1.8573	.12140
#2	.08728	.01894	.29660	367.52	16.955	1.8424	.12036
#3	.08729	.01922	.29848	369.26	17.083	1.8492	.12094

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.0835	.00028	.10439	.01399	139.33	.00483	.00965
SDev	.0290	.00031	.00018	.00512	.62	.00094	.00068
%RSD	.40923	108.76	.17232	36.607	.44433	19.383	7.0354

#1	7.0524	.00001	.10458	.00808	139.53	.00376	.01042
#2	7.0884	.00061	.10423	.01684	138.63	.00549	.00913
#3	7.1097	.00022	.10435	.01706	139.82	.00525	.00941

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09309	.15760	.04384	.04474	.03341	.10743	.10236
SDev	.00018	.00089	.00077	.00188	.00101	.00060	.00052
%RSD	.19741	.56729	1.7551	4.2066	3.0290	.56271	.50577

#1	.09325	.15780	.04467	.04502	.03276	.10682	.10296
#2	.09304	.15663	.04315	.04273	.03458	.10744	.10212
#3	.09293	.15838	.04370	.04646	.03291	.10803	.10201

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00818	.01649
SDev	.00573	.00485
%RSD	70.098	29.436

#1	.00160	.01091
#2	.01207	.01882
#3	.01087	.01975

Analysis Report

Wed 04 10:04 AM 04/10/96

Page 1

Method: TAL Sample Name: 61169004:10x3:Fe Fe

Operator: Jmb

Time: 04/10/96 09:52:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.2334	.00270	.05822	.35929	.00066	.00152	34.960
SDev	.0244	.00069	.00265	.00137	.00002	.00016	.158
%RSD	.57616	25.395	4.5583	.38233	3.1908	10.662	.45221

#1	4.2573	.00315	.05832	.36074	.00069	.00171	35.140
#2	4.2086	.00304	.06083	.35801	.00066	.00144	34.843
#3	4.2342	.00191	.05552	.35912	.00064	.00142	34.896

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04382	.00961	.14822	175.23	8.5611	.93849	.06172
SDev	.00009	.00025	.00039	.87	.0389	.00419	.00010
%RSD	.20630	2.6016	.26591	.49567	.45427	.44596	.15671

#1	.04387	.00978	.14863	176.21	8.6050	.94322	.06169
#2	.04388	.00972	.14784	174.58	8.5309	.93528	.06163
#3	.04372	.00932	.14818	174.88	8.5475	.93697	.06182

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.5420	.00030	.05322	.00386	68.401	.00172	.00304
SDev	.0284	.00023	.00027	.00195	.264	.00086	.00006
%RSD	.80098	77.246	.51035	50.469	.38535	50.170	1.9472

#1	3.5743	.00057	.05352	.00227	68.650	.00145	.00298
#2	3.5309	.00019	.05314	.00329	68.125	.00103	.00310
#3	3.5209	.00015	.05299	.00603	68.428	.00268	.00303

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04706	.08060	.02202	.02146	.01643	.05467	.05205
SDev	.00050	.00059	.00025	.00047	.00155	.00071	.00066
%RSD	1.1310	.73372	1.1449	2.2004	9.4201	1.2919	1.2735

#1	.04758	.08128	.02173	.02160	.01560	.05444	.05261
#2	.04708	.08022	.02213	.02178	.01548	.05410	.05222
#3	.04652	.08030	.02220	.02092	.01822	.05546	.05132

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00300	.00390
SDev	.00330	.00162
%RSD	110.120	41.706

#1	.00062	.00331
#2	.00377	.00265
#3	.00584	.00573

Analysis Report

Wed 04/10/96 10:01 AM

C00111

Page 1

Method: IAL

Sample Name: A1107009 Line 1

Operator: Job

Run Time: 04/10/96 09:57:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	533.35	.00263	.12546	12.442	.06850	.00996	343.12
SDev	1.96	.00239	.00100	.010	.00015	.00018	1.05
%RSD	.36743	90.913	.80002	.08249	.21508	1.7735	.30535

#1	534.99	.00474	.12502	12.445	.06860	.01002	343.77
#2	533.88	.00003	.12475	12.449	.06857	.00976	343.69
#3	531.18	.00313	.12661	12.430	.06833	.01010	341.91

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50067	.35507	.48818	523.71	74.691	14.308	.42991
SDev	.00128	.00051	.00077	1.58	.082	.040	.00015
%RSD	.25548	.14385	.15744	.30170	.11021	.28297	.03569

#1	.50137	.35532	.48881	524.71	74.762	14.334	.42998
#2	.50146	.35541	.48839	524.53	74.709	14.329	.43001
#3	.49920	.35448	.48732	521.89	74.601	14.261	.42973

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.801	-.00650	.68226	.01227	-.68805	.00809	.58587
SDev	.151	.00009	.00343	.00216	.04763	.00183	.00077
%RSD	.52275	1.3711	.50227	17.614	6.9231	22.621	.13138

#1	28.890	-.00642	.68462	.01004	-.65166	.00997	.58649
#2	28.885	-.00648	.68383	.01435	-.67051	.00799	.58611
#3	28.627	-.00659	.67833	.01242	-.74196	.00632	.58501

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3223	.00733	.04843	.00387	.01283	.74387	.65134
SDev	.0036	.00038	.00048	.00194	.00148	.00358	.00358
%RSD	.27136	5.2036	.98857	50.149	11.530	.48088	.54972

#1	1.3238	.00717	.04809	.00321	.01448	.74477	.65443
#2	1.3250	.00776	.04823	.00234	.01166	.74691	.65216
#3	1.3182	.00705	.04898	.00605	.01233	.73993	.64742

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00660	.01495
SDev	.00270	.00200
%RSD	40.876	13.359

#1	.00352	.01316
#2	.00853	.01711
#3	.00774	.01459

C00112

Analysis Report

Date: 04/10/96 10:07:50 AM

Page: 1

Method: ICP Sample Name: 011490111111

Operator: jmb

Run Time: 04/10/96 10:02:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29746	.00043	-.00109	.00477	.00004	-.00007	.10228
SDev	.01425	.00084	.00262	.00034	.00000	.00008	.01187
%RSD	4.7905	194.04	239.82	7.1214	7.4423	108.70	11.602

#1	.30344	.00087	.00006	.00492	.00004	-.00005	.10645
#2	.30774	.00097	-.00409	.00501	.00004	-.00001	.11151
#3	.28119	-.00054	.00075	.00439	.00004	-.00016	.08889

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00058	.00010	-.00035	.08793	.01348	.00646	.00018
SDev	.00026	.00017	.00020	.01858	.00498	.00051	.00031
%RSD	44.181	164.38	57.363	21.131	36.966	7.9327	169.70

#1	-.00073	.00026	-.00020	.09691	.01689	.00666	.00034
#2	-.00028	.00013	-.00028	.10033	.01578	.00685	.00038
#3	-.00072	-.00008	-.00058	.06657	.00776	.00588	-.00017

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.85560	-.00030	.00019	.00041	.39021	.00071	.00020
SDev	.00760	.00023	.00030	.00272	.04866	.00110	.00007
%RSD	.88840	76.828	159.88	669.87	12.471	155.16	35.356

#1	.84684	-.00035	.00032	-.00038	.33657	.00197	.00020
#2	.85964	-.00005	.00040	-.00184	.40250	.00010	.00027
#3	.86034	-.00049	-.00016	.00344	.43154	.00005	.00013

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00294	.00035	-.00049	-.00031	.00002	.00062	-.00046
SDev	.00008	.00015	.00076	.00116	.00010	.00141	.00057
%RSD	2.8069	43.793	153.53	380.47	569.69	228.33	125.00

#1	.00230	.00039	.00021	-.00165	.00010	-.00025	.00017
#2	.00303	.00018	-.00040	.00040	.00004	.00225	-.00039
#3	.00287	.00048	-.00129	.00033	-.00009	-.00015	-.00060

Elem	1860/1	1860/2
Units	ppm	ppm
Avg	-.00074	.00209
SDev	.00049	.00438
%RSD	66.449	209.49

#1	-.00081	-.00050
#2	-.00555	-.00037
#3	-.00473	.00715

200166

Sample: 5-10-96 On Standard

Wed 01/10/96 10:13:00 AM

page 1

Method: EAL Sample Name: CCV

Operator: jmb

Run Time: 04/10/96 10:08:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.296	5.1620	5.2188	5.0760	5.2851	4.8306	48.919
SDev	.086	.0122	.0095	.0050	.0032	.0039	.056
%RSD	.17894	.23701	.18113	.09917	.06019	.08164	.11413

#1	48.390	5.1695	5.2294	5.0809	5.2839	4.8281	48.874
#2	48.220	5.1479	5.2113	5.0708	5.2827	4.8285	48.902
#3	48.278	5.1686	5.2157	5.0763	5.2887	4.8351	48.982

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0247	4.9414	5.0060	52.966	49.456	4.8189	4.8598
SDev	.0050	.0036	.0080	.036	.076	.0038	.0048
%RSD	.09920	.07272	.16061	.06823	.15267	.07836	.09791

#1	5.0200	4.9380	5.0144	52.947	49.536	4.8162	4.8550
#2	5.0241	4.9409	4.9984	52.944	49.386	4.8173	4.8599
#3	5.0299	4.9452	5.0053	53.008	49.445	4.8232	4.8645

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.577	.50894	4.9182	5.1230	51.021	4.9154	5.1691
SDev	.091	.00048	.0023	.0133	.014	.0101	.0050
%RSD	.18760	.09481	.04678	.25885	.02687	.20487	.09731

#1	48.547	.50937	4.9164	5.1215	51.012	4.9040	5.1674
#2	48.680	.50841	4.9208	5.1369	51.037	4.9192	5.1651
#3	48.505	.50903	4.9175	5.1105	51.014	4.9230	5.1748

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8825	5.4073	5.0884	5.2074	5.2153	4.9105	4.9216
SDev	.0091	.0076	.0093	.0124	.0040	.0035	.0050
%RSD	.18606	.14139	.18236	.23758	.07758	.07044	.10236

#1	4.8737	5.4113	5.0780	5.2157	5.2150	4.9143	4.9170
#2	4.8819	5.3985	5.0958	5.1932	5.2114	4.9075	4.9270
#3	4.8918	5.4121	5.0915	5.2134	5.2195	4.9098	4.9208

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	5.1711	5.0986
SDev	.0144	.0133
%RSD	.27913	.26145

#1	5.1752	5.0943
#2	5.1830	5.1135
#3	5.1550	5.0879

Method: ICP Sample Name: CCB

Operator: jab

Run Time: 04/10/96 10:13:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10551	.00251	.00193	.00121	.00073	.00070	-.11201
SDev	.00441	.00086	.00249	.00016	.00013	.00014	.00241
%RSD	4.1816	34.228	129.21	13.043	17.458	19.792	2.1499

#1	.11007	.00238	.00133	.00118	.00058	.00054	-.11079
#2	.10519	.00172	.00466	.00138	.00083	.00081	-.11046
#3	.10127	.00342	-.00021	.00107	.00076	.00075	-.11479

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.00093	.00030	-.07023	-.01183	.00126	.00068
SDev	.00042	.00013	.00031	.00406	.00413	.00009	.00028
%RSD	753.58	13.665	104.64	5.7833	34.934	7.0816	40.873

#1	-.00054	.00084	-.00005	-.06574	-.01659	.00127	.00036
#2	.00023	.00088	.00054	-.07366	-.00918	.00135	.00085
#3	.00014	.00108	.00040	-.07128	-.00971	.00117	.00082

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.84091	.00022	.00051	-.00000	.30269	.00732	.00067
SDev	.00937	.00015	.00013	.00160	.03128	.00293	.00021
%RSD	1.1145	70.504	24.933	119520.	10.333	40.036	31.453

#1	.85162	.00006	.00039	.00032	.27138	.00818	.00043
#2	.83691	.00036	.00064	-.00174	.33394	.00973	.00076
#3	.83421	.00023	.00051	.00141	.30276	.00406	.00082

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00075	.00440	.00363	.00114	.00074	.00103	-.00017
SDev	.00024	.00160	.00198	.00097	.00017	.00156	.00063
%RSD	31.544	36.365	54.484	84.914	22.825	152.26	358.54

#1	.00043	.00611	.00589	.00225	.00055	.00026	.00001
#2	.00067	.00416	.00276	.00068	.00087	.00282	-.00085
#3	.00090	.00294	.00224	.00049	.00081	-.00001	.00033

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	-.00108	.00045
SDev	.00073	.00427
%RSD	225.29	946.60

#1	-.00170	.00095
#2	.00211	-.00405
#3	-.00545	.00445

Analysis Report

Wed 04-10-96 10:18:07 AM

Page 1

Method: TAL Sample Name: 61266001::ire

Operator: jmb

Time: 04/10/96 10:18:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09329	.00186	.00051	.00061	.00030	.00016	-.05815
SDev	.00181	.00075	.00195	.00015	.00003	.00004	.00116
%RSD	1.9439	40.392	384.78	24.639	10.724	24.655	2.0015

#1	.09521	.00102	-.00165	.00076	.00032	.00021	-.05681
#2	.09160	.00209	.00103	.00061	.00026	.00014	-.05870
#3	.09308	.00247	.00215	.00046	.00032	.00014	-.05894

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00040	.00046	-.00043	-.07342	-.01447	.00043	.00043
SDev	.00015	.00016	.00020	.00666	.00537	.00009	.00012
%RSD	37.679	34.976	45.615	9.0668	37.080	20.194	26.854

#1	-.00028	.00033	-.00026	-.06593	-.00926	.00053	.00055
#2	-.00034	.00064	-.00038	-.07569	-.01418	.00041	.00040
#3	-.00056	.00040	-.00065	-.07864	-.01998	.00036	.00033

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.87125	.00003	.00016	.00034	.40973	.00470	.00025
SDev	.04302	.00023	.00034	.00092	.21182	.00153	.00023
%RSD	4.9377	665.14	215.05	275.48	51.699	32.471	92.631

#1	.84800	-.00004	.00010	-.00038	.27841	.00528	.00049
#2	.84486	.00030	-.00015	.00001	.29668	.00297	.00003
#3	.92089	-.00015	.00051	.00138	.65409	.00585	.00023

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00510	.00231	.00043	-.00122	.00031	-.00056	.00008
SDev	.00014	.00041	.00026	.00136	.00012	.00043	.00041
%RSD	2.7511	17.729	60.229	111.73	38.148	76.119	515.08

#1	.00522	.00206	.00013	.00032	.00044	-.00020	-.00017
#2	.00495	.00207	.00060	-.00170	.00028	-.00103	-.00013
#3	.00515	.00278	.00057	-.00227	.00021	-.00045	.00055

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00359	-.00168
SDev	.00598	.00168
%RSD	166.29	99.806

#1	.00025	-.00108
#2	.00004	-.00038
#3	.01050	-.00357

Analysis Report

Wed 04/10/96 10:23:17 AM

Page 1

Method: TAL Sample Name: 61347001;50x;pre Na Operator: jmb

Time: 04/10/96 10:23:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.62468	.00093	-.00108	.00270	.00042	.00057	12.129
SDev	.00227	.00071	.00325	.00003	.00002	.00011	.043
%RSD	.36386	76.300	300.28	1.1476	3.5638	19.747	.35078

#1	.62211	.00012	-.00436	.00271	.00042	.00055	12.110
#2	.62550	.00141	-.00103	.00272	.00044	.00070	12.178
#3	.62643	.00125	.00214	.00266	.00041	.00048	12.099

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00034	.00058	.00141	.71351	24.793	.11911	.00053
SDev	.00028	.00018	.00023	.00693	.074	.00037	.00012
%RSD	82.746	30.413	16.504	.97153	.30030	.30822	23.167

#1	-.00041	.00075	.00119	.71046	24.744	.11901	.00056
#2	-.00003	.00058	.00166	.72144	24.878	.11951	.00064
#3	-.00059	.00040	.00140	.70862	24.756	.11880	.00040

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.1274	.00029	.00046	-.00316	139.97	.00295	.00130
SDev	.0361	.00032	.00062	.00251	.52	.00286	.00026
%RSD	.70346	111.14	135.92	79.453	.36804	97.056	20.494

#1	5.0967	.00024	.00083	L-.00509	139.65	.00266	.00118
#2	5.1671	.00063	.00080	-.00032	140.57	.00594	.00160
#3	5.1184	-.00001	-.00026	-.00406	139.71	.00024	.00111

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00205	.05774	.00016	-.00123	.00580	.00200	-.00077
SDev	.00015	.00093	.00026	.00083	.00011	.00174	.00007
%RSD	7.1174	1.6106	159.94	67.776	1.8261	86.764	9.5152

#1	.00208	.05696	.00045	-.00068	.00574	.00000	-.00086
#2	.00218	.05877	-.00005	-.00082	.00574	.00303	-.00077
#3	.00190	.05749	.00008	-.00219	.00592	-.00000	-.00084

Elem	2203/1	2203/2
Units	ppm	ppm
Avg	-.000583	-.000223
SDev	.000140	.000432
%RSD	23.994	193.80

#1	-.000423	-.000593
#2	-.000681	.000251
#3	-.000645	-.000327

Analysis Report

Date: 10/27/10 10:31:54 AM

Page: 1

Method: IAL Sample Name: 61347001mc, SOX 131eNa Operator: Jmb

Time: 09/10/2010 10:28:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.68007	.00967	.00109	.04273	.00145	.00158	12.273
SDev	.00231	.00185	.00120	.00006	.00001	.00008	.025
%RSD	.33949	19.141	109.56	.14129	.66802	4.9163	.20523

#1	.68108	.01179	.00083	.04279	.00146	.00161	12.301
#2	.68170	.00886	.00005	.04267	.00144	.00164	12.252
#3	.67743	.00836	.00240	.04272	.00145	.00149	12.265

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00373	.01075	.00606	.68280	24.833	.12788	.01066
SDev	.00013	.00017	.00011	.00471	.040	.00022	.00036
%RSD	3.5527	1.5796	1.7370	.68952	.16228	.17483	3.3287

#1	.00388	.01095	.00611	.68823	24.878	.12814	.01035
#2	.00368	.01066	.00613	.67989	24.800	.12781	.01105
#3	.00363	.01066	.00594	.68028	24.822	.12771	.01060

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.5828	.00105	.01030	-.00151	139.50	.00365	.01172
SDev	.0392	.00023	.00073	.00299	.22	.00164	.00018
%RSD	.70218	21.828	7.1142	198.32	.15827	44.880	1.5108

#1	5.6278	.00132	.01090	-.00037	139.75	.00387	.01185
#2	5.5649	.00092	.01050	.00075	139.43	.00517	.01152
#3	5.5558	.00092	.00948	-.00491	139.32	.00191	.01180

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01171	.06943	.01003	.01064	.01476	.01205	.00897
SDev	.00015	.00063	.00021	.00132	.00013	.00199	.00084
%RSD	1.2511	.90349	2.1358	12.382	.85069	16.543	9.3888

#1	.01173	.07013	.01027	.00917	.01485	.01435	.00873
#2	.01184	.06892	.00987	.01147	.01482	.01080	.00990
#3	.01155	.06924	.00995	.01133	.01462	.01100	.00827

Elem	Bi2071	1960/2
Units	ppm	ppm
Avg	.00056	-.00295
SDev	.00243	.00419
%RSD	436.174	142.128

#1	.00335	-.00263
#2	.00073	.00108
#3	.00095	-.00728

Method: TAL Sample Name: A1347001dup150x11Na Operator: Jmb

Time: 04/10/96 10:33:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.56980	.00088	.00131	.00260	.00040	.00071	12.105
SDev	.00097	.00086	.00219	.00004	.00002	.00006	.045
%RSD	.17065	97.196	166.88	1.5772	5.1366	8.6270	.37028

#1	.56971	.00044	-.00056	.00262	.00040	.00075	12.135
#2	.56867	.00034	.00372	.00255	.00038	.00064	12.053
#3	.57081	.00187	.00077	.00263	.00042	.00074	12.126

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	.00083	.00129	.66856	24.707	.11827	.00064
SDev	.00023	.00019	.00036	.00218	.087	.00046	.00005
%RSD	110.33	22.575	27.578	.32589	.35013	.38945	8.3500

#1	-.00000	.00097	.00142	.67034	24.779	.11854	.00069
#2	-.00045	.00090	.00089	.66613	24.611	.11774	.00059
#3	-.00016	.00062	.00156	.66921	24.731	.11854	.00064

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1518	.00040	.00023	.00135	140.30	.00241	.00152
SDev	.0371	.00024	.00066	.00418	.27	.00135	.00032
%RSD	.71981	59.709	288.93	309.34	.18966	55.972	20.938

#1	5.1783	.00067	.00096	.00104	140.36	.00297	.00187
#2	5.1094	.00028	.00004	-.00267	140.01	.00339	.00144
#3	5.1676	.00024	-.00032	.00568	140.54	.00087	.00125

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00156	.05731	.00021	-.00084	.00530	.00157	-.00090
SDev	.00010	.00054	.00021	.00046	.00014	.00097	.00079
%RSD	.22994	.33661	100.93	54.608	2.5603	61.519	87.795

#1	.00147	.05736	.00041	-.00131	.00542	.00199	-.00001
#2	.00155	.05674	.00022	-.00082	.00533	.00206	-.00151
#3	.00166	.05781	-.00001	-.00039	.00516	.00047	-.00116

Elem	1180/1	1180/2
Units	ppm	ppm
Avge	.00110	.00108
SDev	.00497	.00475
%RSD	450.29	442.18

#1	.00472	-.00120
#2	-.00457	-.00212
#3	.00317	.00654

Method: AAL Sample Name: 413070011:50x:re Na Operator: jmb
 Date Time: 04/10/96 10:37:56
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19509	.00137	-.00043	.00066	.00024	.00010	2.4135
SD	.00138	.00066	.00135	.00003	.00002	.00001	.0036
%RSD	.70998	48.328	316.92	4.8616	8.3498	13.797	.15029

#1	.19460	.00085	-.00196	.00068	.00024	.00012	2.4170
#2	.19402	.00212	.00011	.00062	.00022	.00009	2.4098
#3	.19666	.00114	.00057	.00068	.00026	.00010	2.4136

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00071	.00045	-.00034	.07142	5.1463	.02448	.00022
SD	.00011	.00015	.00030	.00695	.0091	.00006	.00023
%RSD	15.029	32.473	87.275	9.7271	.17745	.24561	101.69

#1	-.00083	.00033	-.00017	.06371	5.1560	.02448	.00048
#2	-.00062	.00040	-.00068	.07336	5.1379	.02442	.00013
#3	-.00068	.00061	-.00017	.07719	5.1449	.02454	.00005

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5914	.00026	-.00021	.00054	27.809	.00135	.00045
SD	.0146	.00013	.00099	.00319	.088	.00224	.00014
%RSD	.91658	47.937	475.02	590.25	.31494	165.33	31.795

#1	1.6037	.00012	.00028	.00312	27.845	.00021	.00034
#2	1.5753	.00037	.00044	-.00302	27.710	-.00008	.00041
#3	1.5953	.00030	-.00134	.00153	27.874	.00393	.00061

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.01342	.00075	-.00096	.00122	-.00003	-.00074
SD	.00026	.00028	.00032	.00131	.00006	.00134	.00087
%RSD	57.347	2.1046	41.907	136.74	4.7486	3694.4	117.52

#1	.00017	.01369	.00044	-.00003	.00116	.00102	.00055
#2	.00050	.01313	.00108	-.00245	.00120	.00042	.00001
#3	.00066	.01344	.00072	-.00039	.00129	-.00154	-.00169

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	-.00206	.00144
SD	.00780	.00338
%RSD	378.70	233.77

#1	-.00206	.00530
#2	-.00989	.00001
#3	.00575	-.00098

Analytical Report

Wed 04-10-96 10:44:22 AM

Page: 1

Method: IAL Sample Name: 61144001:::re Al Operator: jmb

Time: 04-10-96 10:42:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08904	.00202	.00280	.00009	.00014	-.00005	-.04183
SDev	.00497	.00068	.00148	.00005	.00005	.00008	.00098
%RSD	5.5795	33.484	52.730	56.823	37.467	169.91	2.3520

#1	.09172	.00144	.00278	.00009	.00017	-.00001	-.04215
#2	.09210	.00276	.00133	.00015	.00018	.00001	-.04260
#3	.08331	.00185	.00429	.00004	.00008	-.00013	-.04072

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00048	.00009	-.00042	-.08910	-.00387	-.00006	.00002
SDev	.00020	.00023	.00015	.00736	.00182	.00001	.00025
%RSD	41.094	266.16	34.376	8.2557	47.012	16.412	1009.7

#1	-.00035	.00005	-.00058	-.08993	-.00399	-.00006	.00016
#2	-.00038	.00033	-.00040	-.08137	-.00199	-.00005	.00017
#3	-.00070	-.00012	-.00029	-.09601	-.00563	-.00007	-.00026

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96265	.00023	.00005	.00229	1.1204	.00103	.00035
SDev	.00608	.00018	.00004	.00224	.0759	.00049	.00016
%RSD	.63184	75.198	81.853	97.624	6.7708	47.696	45.814

#1	.96893	.00006	.00008	.00347	1.1534	.00104	.00044
#2	.96224	.00041	.00001	-.00029	1.1742	.00152	.00044
#3	.95678	.00023	.00005	.00369	1.0336	.00053	.00017

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00242	.00286	.00047	.00116	.00011	.00168	-.00122
SDev	.00015	.00026	.00038	.00119	.00006	.00067	.00031
%RSD	6.1406	8.9743	81.649	102.62	51.131	39.749	25.786

#1	.00235	.00303	.00021	.00190	.00012	.00160	-.00111
#2	.00230	.00298	.00029	.00179	.00016	.00105	-.00099
#3	.00244	.00256	.00021	-.00022	.00005	.00238	-.00157

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00474	.00067
SDev	.00343	.00211
%RSD	72.478	313.24

#1	.00815	.00074
#2	.00128	-.00147
#3	.00478	.00275

April 10 Report QC Standard

Wed 04/10/96 10:50:09 AM

Page: 1

Method: IAL Sample Name: ori

Operator: jmb

In Time: 04/10/96 10:47:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06848	.11949	.02030	.00027	.01070	.01095	-.13140
SDev	.00069	.00184	.00107	.00011	.00004	.00008	.00094
%RSD	1.0088	1.5426	5.2497	40.365	.41013	.70982	.71914

#1	.06769	.11870	.02007	.00015	.01073	.01086	-.13111
#2	.06883	.12160	.01937	.00035	.01071	.01099	-.13064
#3	.06893	.11818	.02146	.00030	.01065	.01099	-.13246

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02038	.10068	.05029	-.08899	-.01971	.03036	.07979
SDev	.00012	.00063	.00025	.00152	.00382	.00008	.00023
%RSD	.60512	.62392	.49796	1.7084	19.373	.25481	.28379

#1	.02033	.10133	.05041	-.09035	-.02054	.03032	.07985
#2	.02052	.10064	.05046	-.08927	-.01554	.03044	.07997
#3	.02029	.10007	.05001	-.08735	-.02304	.03030	.07954

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.85699	.02031	.00619	.00971	.38776	.02030	.10239
SDev	.00697	.00047	.00052	.00053	.06236	.00169	.00042
%RSD	.81298	2.2962	8.3306	5.4383	16.081	8.3388	.41380

#1	.84969	.02014	.00571	.01011	.36592	.01973	.10285
#2	.86357	.02084	.00673	.00991	.45810	.01898	.10232
#3	.85771	.01995	.00611	.00911	.33927	.02221	.10201

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03836	.00166	.00051	-.00162	.00003	.00574	.00593
SDev	.00014	.00039	.00023	.00064	.00004	.00085	.00068
%RSD	.37450	23.506	45.979	39.506	155.28	14.863	11.499

#1	.03820	.00130	.00027	-.00034	-.00001	.00536	.00514
#2	.03840	.00208	.00073	-.00172	.00007	.00651	.00636
#3	.03847	.00160	.00052	-.00221	.00002	.00482	.00628

Elem	1360/1	1360/2
Units	ppm	ppm
Avg	.00645	.01095
SDev	.00356	.00133
%RSD	55.091	12.121

#1	.00620	.01167
#2	.01013	.00942
#3	.00303	.01176

000122

Analysis Report

QC Standard

Wed 04-10-96 10:52:14 AM

Page 1

Method: TAL

Sample Name: JCCA

Operator: jmb

n Time: 04/10/96 10:52:14

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	494.07	.00358	.00114	.00172	.00185	.00433	500.69
SDev	1.53	.00298	.00235	.00004	.00002	.00023	1.63
%RSD	.30889	83.044	206.93	2.2751	1.1291	5.2628	.32543
#1	495.39	.00120	-.00145	.00176	.00186	.00435	501.81
#2	494.43	.00263	.00315	.00170	.00185	.00455	501.44
#3	492.40	.00692	.00170	.00169	.00182	.00410	498.82
Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00481	.00101	.01290	193.84	517.00	.00864	.00190
SDev	.00030	.00018	.00047	.58	.84	.00002	.00022
%RSD	6.1788	17.499	3.6105	.29867	.16259	.25605	11.661
#1	.00512	.00085	.01344	194.27	517.49	.00863	.00197
#2	.00478	.00120	.01264	194.06	517.48	.00863	.00165
#3	.00452	.00100	.01262	193.18	516.03	.00867	.00208
Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1250	.00003	-.00256	.00153	3.7550	-.00330	-.01097
SDev	.0156	.00034	.00056	.00275	.0810	.00328	.00031
%RSD	1.3866	1306.1	22.069	179.32	2.1569	99.171	2.8068
#1	1.1099	.00041	-.00317	.00455	3.7632	-.00038	-.01118
#2	1.1411	-.00007	-.00206	-.00085	3.8316	-.00268	-.01112
#3	1.1241	-.00026	-.00244	.00091	3.6703	-.00684	-.01062
Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00573	.01032	.01784	.00155	.00001	.03625	-.02243
SDev	.00009	.00065	.00082	.00431	.00012	.00101	.00124
%RSD	1.5005	6.3327	4.5772	279.16	992.29	2.7907	5.5350
#1	.00573	.01005	.01735	-.00178	.00012	.03728	.00787
#2	.01564	.01107	.01739	-.00006	.00004	.03622	-.00167
#3	.00581	.00985	.01878	.00643	-.00012	.03526	-.02176
Elem	1960/1	1960/2					
Units	ppm	ppm					
Avge	-.01049	.00709					
SDev	.00349	.00354					
%RSD	33.272	49.965					
#1	-.00960	.01116					
#2	-.01433	.00543					
#3	-.00753	.00468					

200176

Analytical Report

17 Standard

10-10-96 11:02:17 AM

Page 1

Method: TAL Sample Name: 17std

Operator: Jmk

Time: 08/10/96 10:57:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q484.08	Q.00231	Q.00038	Q.51733	Q.55097	Q.90604	Q499.21
SDev	1.37	.00128	.00167	.00133	.00140	.00199	1.12
%RSD	.28226	55.192	439.82	.25745	.25412	.21953	.22485

#1	Q485.66	Q.00360	Q.00149	Q.51887	Q.55259	Q.90832	Q500.48
#2	Q483.32	Q.00105	Q.00119	Q.51661	Q.55010	Q.90468	Q498.35
#3	Q483.27	Q.00228	Q-.00154	Q.51651	Q.55022	Q.90512	Q498.80

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.48938	Q.46082	Q.52527	Q190.51	Q504.38	Q.48188	Q.88038
SDev	.00066	.00071	.00165	.52	.98	.00120	.00220
%RSD	.13407	.15297	.31399	.27307	.19335	.24866	.24968

#1	Q.49011	Q.46163	Q.52707	Q191.11	Q505.50	Q.48326	Q.88284
#2	Q.48883	Q.46045	Q.52490	Q190.15	Q503.68	Q.48106	Q.87966
#3	Q.48919	Q.46038	Q.52384	Q190.27	Q503.76	Q.48133	Q.87862

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q1.1042	Q1.0871	Q.90785	Q.00256	Q3.5134	Q-.00518	Q.50018
SDev	.0054	.0030	.00191	.00481	.0263	.00238	.00103
%RSD	.49326	.27354	.20990	187.66	.74990	46.013	.20485

#1	Q1.0980	Q1.0905	Q.90943	Q-.00278	Q3.5399	Q-.00793	Q.50130
#2	Q1.1063	Q1.0848	Q.90838	Q.00392	Q3.4872	Q-.00389	Q.49995
#3	Q1.1082	Q1.0861	Q.90573	Q.00656	Q3.5133	Q-.00371	Q.49929

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.92458	Q.00431	Q.01748	Q.00150	Q.00007	.95525	.88363
SDev	.00231	.00014	.00215	.00185	.00013	.00224	.00333
%RSD	.25941	3.1587	12.318	123.87	185.67	.23409	.37736

#1	Q.92371	Q.00417	Q.01911	Q-.00064	Q.00012	.95302	.88711
#2	Q.92218	Q.00444	Q.01833	Q.00239	Q-.00008	.95750	.88331
#3	Q.92480	Q.00431	Q.01504	Q.00273	Q.00016	.95524	.88047

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00318	.00182
SDev	.00539	.00455
%RSD	169.81	249.80

#1	.00226	.00313
	.00535	.00276
	.00714	.00582

Sample Name: 000124

Operator: jsh

Run Time: 11/02/96 11:02:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.658	5.1229	5.1122	4.9222	5.3286	4.6733	48.936
SDev	.083	.0111	.0114	.0097	.0120	.0066	.075
%RSD	.17509	.21670	.22336	.19793	.22591	.14218	.15418

#1	47.751	5.1346	5.1146	4.9335	5.3417	4.6800	49.013
#2	47.633	5.1214	5.1222	4.9173	5.3259	4.6733	48.931
#3	47.589	5.1125	5.0997	4.9160	5.3181	4.6667	48.863

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9813	4.8563	4.9009	52.370	49.107	4.8017	4.7283
SDev	.0080	.0066	.0091	.090	.082	.0089	.0075
%RSD	.16157	.13661	.18519	.17253	.16648	.18470	.15937

#1	4.9901	4.8634	4.9114	52.464	49.201	4.8113	4.7362
#2	4.9797	4.8550	4.8957	52.362	49.068	4.8000	4.7274
#3	4.9742	4.8503	4.8957	52.284	49.052	4.7938	4.7212

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.825	.49664	4.8228	5.0485	48.934	4.9394	5.0757
SDev	.296	.00048	.0266	.0251	.061	.0039	.0067
%RSD	.61844	.09595	.55208	.49689	.12402	.07975	.13152

#1	48.149	.49718	4.8530	5.0763	49.002	4.9351	5.0833
#2	47.759	.49626	4.8127	5.0417	48.886	4.9429	5.0730
#3	47.569	.49649	4.8027	5.0275	48.913	4.9401	5.0709

Elem	Zn2062	B_2486	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.8023	5.3188	4.8924	5.0172	5.1749	4.8707	4.7985
SDev	.0069	.0055	.0027	.0092	.0071	.0205	.0298
%RSD	.14313	.10425	.05528	.18378	.13657	.42041	.62006

#1	4.8091	5.3251	4.8903	5.0189	5.1800	4.8242	4.8300
#2	4.8015	5.3168	4.8955	5.0255	5.1709	4.8615	4.7879
#3	4.7959	5.3146	4.8915	5.0073	5.1707	4.8564	4.7754

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	5.0882	5.0283
SDev	.0229	.0265
%RSD	.45099	.52607

#1	5.1146	5.0567
#2	5.0772	5.0236
#3	5.0728	5.0045

2001179 11:11:19 AM

Page 1

Element: Pb

Operator: jmb

In File: 04/10/96 11:07:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12421	.00481	.00449	.00243	.00258	.00245	-.07885
SD	.01820	.00198	.00187	.00161	.00171	.00145	.01993
%RSD	14.650	41.279	41.630	66.132	66.457	59.166	25.279

#1	.10634	.00262	.00475	.00072	.00072	.00090	-.09837
#2	.14272	.00649	.00621	.00391	.00410	.00377	-.05853
#3	.12358	.00531	.00250	.00266	.00291	.00269	-.07965

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00155	.00241	.00238	-.05750	.02927	.00217	.00219
SD	.00185	.00148	.00154	.01940	.01748	.00162	.00169
%RSD	119.30	61.162	64.480	33.743	59.719	74.676	77.173

#1	-.00046	.00085	.00068	-.07874	.01067	.00043	.00039
#2	.00318	.00378	.00366	-.04071	.04535	.00363	.00375
#3	.00192	.00261	.00281	-.05304	.03178	.00245	.00244

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.92465	.00053	H.00309	.00107	.68115	.00867	.00249
SD	.01238	.00051	.00204	.00104	.03051	.00132	.00151
%RSD	1.3384	95.303	66.189	97.863	4.4794	15.265	60.876

#1	.92198	-.00001	.00073	.00136	.71121	.00716	.00084
#2	.93814	.00061	H.00438	-.00009	.68204	.00965	.00382
#3	.91382	.00099	H.00416	.00193	.65021	.00919	.00280

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00241	.00737	.00572	.00162	.00261	.00347	.00246
SD	.00162	.00117	.00066	.00098	.00166	.00182	.00022
%RSD	67.384	15.809	11.609	60.938	63.654	54.206	90.220

#1	.00071	.00730	.00535	.00066	.00080	.00147	.00035
#2	.00395	.00853	.00649	.00263	.00407	.00390	.00115
#3	.00257	.00620	.00530	.00157	.00296	.00511	.00335

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	-.00064	.00153
SD	.00093	.00195
%RSD	144.81	127.75

#1	-.00022	.00176
#2	-.00000	-.00053
#3	-.00171	.00336

Date: 04/10/96

QC Standard

Wed 04/10/96 11:13:02 AM

Page: 1

Method: ICP

Sample Name: CCV

Operator: jmb

Time: 04/10/96 11:13:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.257	5.3044	5.2990	5.1035	Q5.5065	4.8438	50.602
SDev	.072	.0088	.0120	.0059	.0065	.0058	.065
%RSD	.14707	.16665	.22569	.11650	.11782	.12033	.12771

#1	49.325	5.3131	5.2916	5.1094	Q5.5123	4.8444	50.640
#2	49.265	5.3047	5.3128	5.1036	5.4995	4.8377	50.527
#3	49.181	5.2954	5.2926	5.0975	Q5.5076	4.8493	50.639

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.1639	5.0276	5.0671	54.208	50.737	4.9606	4.9064
SDev	.0058	.0039	.0071	.086	.056	.0058	.0044
%RSD	.11286	.07790	.13935	.15855	.10966	.11739	.09016

#1	5.1685	5.0298	5.0745	54.267	50.797	4.9662	4.9103
#2	5.1573	5.0230	5.0661	54.109	50.729	4.9546	4.9016
#3	5.1658	5.0299	5.0605	54.247	50.687	4.9608	4.9073

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.419	.51334	4.9927	5.2445	51.063	5.1067	5.2617
SDev	.098	.00093	.0103	.0054	.035	.0135	.0040
%RSD	.19732	.18157	.20590	.10262	.06805	.26434	.07518

#1	49.502	.51435	5.0005	5.2402	51.102	5.0918	5.2648
#2	49.312	.51251	4.9811	5.2428	51.053	5.1182	5.2573
#3	49.445	.51316	4.9967	5.2505	51.035	5.1099	5.2632

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.9752	Q5.5026	5.0737	5.2112	5.3709	5.0436	4.9668
SDev	.0095	.0057	.0056	.0020	.0039	.0150	.0087
%RSD	.19073	.10342	.11093	.03820	.07281	.29755	.17531

#1	4.9776	Q5.5078	5.0776	5.2130	5.3750	5.0499	4.9753
#2	4.9648	5.4965	5.0672	5.2116	5.3676	5.0285	4.9579
#3	4.9834	Q5.5036	5.0761	5.2090	5.3700	5.0545	4.9673

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	5.2941	5.2193
SDev	.0076	.0056
%RSD	.14393	.10661

#1	5.2932	5.2133
	5.2971	5.2203
	5.2920	5.2243

Analysis Report

Wed 04/10/96 11:23:05 AM

Page 1

Method: TAL Sample Name: CCB

Operator: jmb

Run Time: 04/10/96 11:18:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09654	.00415	.00520	.00253	.00262	.00243	-.09898
SDev	.01365	.00173	.00176	.00157	.00159	.00151	.01397
%RSD	14.143	41.641	33.871	62.008	60.748	62.356	14.117

#1	.08115	.00216	.00567	.00077	.00081	.00073	-.11470
#2	.10721	.00527	.00668	.00378	.00378	.00363	-.08798
#3	.10124	.00502	.00325	.00305	.00327	.00293	-.09425

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00175	.00267	.00247	-.06908	.00253	.00225	.00240
SDev	.00157	.00159	.00135	.01422	.01558	.00153	.00136
%RSD	89.391	59.634	54.560	20.590	615.62	68.050	56.652

#1	.00002	.00088	.00093	-.08534	-.01407	.00051	.00084
#2	.00307	.00392	.00340	-.06292	.01683	.00340	.00336
#3	.00217	.00320	.00309	-.05897	.00483	.00284	.00300

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.89418	.00047	H.00300	.00180	.55866	.00851	.00275
SDev	.00480	.00029	.00103	.00061	.04342	.00080	.00139
%RSD	.53698	62.341	34.333	33.890	7.7730	9.3720	50.687

#1	.89224	.00050	.00183	.00218	.56047	.00910	.00116
#2	.89065	.00074	H.00376	.00212	.60114	.00760	.00378
#3	.89965	.00016	H.00341	.00109	.51435	.00884	.00330

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00234	.00766	.00562	.00030	.00270	.00318	.00248
SDev	.00154	.00118	.00077	.00126	.00159	.00173	.00143
%RSD	64.103	15.384	13.675	419.34	58.994	54.405	57.834

#1	.00057	.00754	.00600	-.00077	.00090	.00269	.00096
#2	.00345	.00689	.00613	.00169	.00393	.00510	.00266
#3	.00299	.00655	.00474	-.00002	.00326	.00175	.00381

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00106	.00178
SDev	.00594	.00214
%RSD	560.04	120.35

#1	.00240	.00167
#2	.00622	-.00031
#3	-.00544	.00397

Analysis Report

Wed 04/10/96 11:23:09 AM

Page 1

Method: IRL

Sample Name: pbwww4350

Operator: jmb

Run Time: 04/10/96 11:23:09

Element:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09533	.00230	.00117	.00118	.00100	.00086	-.06865
SDev	.00242	.00036	.00078	.00018	.00021	.00020	.00211
%RSD	2.5366	15.646	67.062	15.690	20.745	22.874	3.0714

#1	.09474	.00206	.00207	.00098	.00077	.00065	-.07072
#2	.09799	.00213	.00073	.00135	.00118	.00104	-.06651
#3	.09327	.00271	.00070	.00119	.00103	.00089	-.06872

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00060	.00101	.00977	-.06145	-.00068	.00114	.00570
SDev	.00018	.00032	.00029	.00505	.00204	.00016	.00014
%RSD	30.527	31.775	2.9590	8.2186	300.68	14.277	2.4313

#1	.00039	.00064	.00952	-.05879	-.00288	.00097	.00562
#2	.00074	.00123	.01008	-.05829	-.00033	.00130	.00586
#3	.00066	.00116	.00971	-.06727	.00117	.00114	.00562

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.93956	-.00006	.00136	.00251	.74029	.00596	.00100
SDev	.00827	.00010	.00071	.00002	.03717	.00104	.00026
%RSD	.87995	175.50	51.996	.91104	5.0208	17.513	25.531

#1	.94645	-.00011	.00157	.00252	.76971	.00481	.00071
#2	.94184	-.00011	.00194	.00253	.75263	.00625	.00118
#3	.93039	.00006	.00057	.00249	.69852	.00684	.00111

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01095	.00267	.00179	.00987	.00115	.00165	.00078
SDev	.00029	.00035	.00104	.00058	.00026	.00105	.00121
%RSD	2.6180	12.961	58.123	5.8778	22.995	63.791	155.25

#1	.01066	.00301	.00217	.01043	.00086	.00046	.00163
#2	.01123	.00268	.00259	.00991	.00137	.00244	.00125
#3	.01095	.00232	.00061	.00927	.00121	.00204	-.00060

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00049	.00313
SDev	.00386	.00195
%RSD	782.70	62.260

#1	.00344	.00510
#2	.00062	.00309
#3	.00427	.00120

Analysis Report

Wed 04/10/90 11:23:12 AM

page 1

Method: IAL Sample Name: lcsdwg4350

Operator: jmb

Time: 04/10/90 11:28:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8811	.48475	.04070	1.9042	.05046	.04588	9.5169
SDev	.0278	.00894	.00178	.0304	.00085	.00055	.1463
%RSD	1.4796	1.8437	4.3679	1.5984	1.6900	1.2014	1.5368

#1	1.9133	.49499	.04255	1.9393	.05145	.04651	9.6857
#2	1.8652	.48073	.04052	1.8877	.04997	.04560	9.4363
#3	1.8650	.47853	.03901	1.8856	.04997	.04552	9.4286

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19527	.47553	.24405	.88261	9.1940	.48039	.47180
SDev	.00280	.00647	.00403	.00863	.1472	.00725	.00708
%RSD	1.4322	1.3599	1.6523	.97782	1.6013	1.5085	1.5013

#1	.19850	.48299	.24869	.89147	9.3640	.48876	.47997
#2	.19371	.47203	.24137	.87423	9.1125	.47638	.46804
#3	.19361	.47156	.24210	.88212	9.1055	.47604	.46739

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.970	.04742	.47356	.00799	9.2704	.05200	.50159
SDev	.259	.00062	.00696	.00222	.2899	.00121	.00732
%RSD	1.6221	1.3165	1.4697	27.772	3.1268	2.3325	1.4591

#1	16.257	.04784	.48151	.00710	9.6047	.05108	.51004
#2	15.754	.04671	.46855	.00635	9.1181	.05337	.49733
#3	15.898	.04773	.47063	.01051	9.0885	.05155	.49739

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48811	.49089	.47966	.50008	.51360	.47774	.47102
SDev	.00715	.00808	.00629	.00843	.00802	.00770	.00678
%RSD	1.4653	1.6466	1.3112	1.6866	1.5619	1.6112	1.4365

#1	.48637	.50022	.48690	.50938	.52286	.48658	.47852
#2	.48399	.48643	.47650	.49294	.50922	.47411	.46533
#3	.48397	.48601	.47558	.49790	.50872	.47254	.46922

Elem	1860/1	1860/2
Units	ppm	ppm
Avge	.00672	.00822
SDev	.00375	.00165
%RSD	55.719	20.038

#1	.00405	.00821
#2	.00511	.00657
#3	.01100	.00987

Analysis Report

Wed 04-10-96 11:38:15 AM

page 1

Method: ICL Sample Name: 61186001

Operator: jmb

Run Time: 04/10/96 11:33:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	71.019	.14151	.16120	.17106	.00232	.02428	26.263
SDev	.015	.00168	.00609	.00006	.00002	.00014	.039
%RSD	.02107	1.1869	3.7776	.03368	.81245	.58177	.14796

#1	71.033	.14195	.15728	.17113	.00234	.02439	26.304
#2	71.021	.13966	.16821	.17105	.00231	.02433	26.226
#3	71.003	.14293	.15810	.17102	.00230	.02412	26.259

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.35071	.05281	44.283	401.19	3.3171	4.4997	.09286
SDev	.00036	.00004	.014	.45	.0087	.0064	.00032
%RSD	.10421	.07436	.03070	.11111	.26084	.14214	.34707

#1	.35098	.05282	44.296	401.65	3.3267	4.5071	.09266
#2	.35029	.05276	44.269	400.76	3.3098	4.4954	.09270
#3	.35085	.05284	44.284	401.16	3.3149	4.4967	.09324

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3199	.00612	23.012	.02636	.89089	.01012	.42464
SDev	.0034	.00036	.021	.00307	.02057	.00420	.00083
%RSD	.14739	5.8285	.09146	11.631	2.3094	41.506	.19616

#1	2.3180	.00653	23.036	.02421	.88149	.01255	.42557
#2	2.3178	.00586	23.007	.02987	.87670	.01254	.42397
#3	2.3239	.00598	22.995	.02500	.91448	.00527	.42438

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.0402	.04062	.05211	.95117	.43732	23.142	22.947
SDev	.0094	.00032	.00043	.00290	.00060	.034	.034
%RSD	.11700	.80089	.82733	.30451	.13795	.14740	.14797

#1	8.0501	.04078	.05225	.95010	.43763	23.157	22.975
#2	8.0314	.04025	.05163	.94896	.43663	23.103	22.958
#3	8.0390	.04084	.05246	.95445	.43771	23.166	22.909

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.01055	.03389
SDev	.00534	.00639
%RSD	50.647	18.870

#1	.00829	.03179
#2	.00671	.04107
#3	.01665	.02881

Method: IAL

Sample Name: 61186002

Operator: jmb

Time: 04/10/96 11:38:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	64.810	.01933	.17705	.11590	.00253	.00475	29.805
SDev	.156	.00159	.00158	.00021	.00001	.00015	.074
%RSD	.24142	8.2071	.88992	.18519	.52876	3.2018	.24901

#1	64.975	.02073	.17879	.11612	.00254	.00492	29.889
#2	64.790	.01761	.17665	.11588	.00253	.00469	29.776
#3	64.664	.01965	.17572	.11569	.00251	.00464	29.749

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.35707	.04623	2.0371	157.19	4.7268	4.2920	.06494
SDev	.00126	.00018	.0035	.37	.0141	.0091	.00036
%RSD	.35205	.40068	.17048	.23297	.29866	.21267	.54862

#1	.35838	.04645	2.0411	157.59	4.7385	4.3019	.06523
#2	.35696	.04610	2.0358	157.11	4.7307	4.2900	.06454
#3	.35588	.04616	2.0345	156.88	4.7111	4.2840	.06503

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.5633	-.00007	.37479	.00809	.33535	.00878	.51375
SDev	.0179	.00019	.00241	.00286	.05555	.00214	.00109
%RSD	.50370	294.91	.64313	35.390	16.566	24.401	.21218

#1	3.5836	-.00023	.37682	.01061	.39186	.00806	.51497
#2	3.5571	-.00011	.37544	.00868	.33339	.00709	.51339
#3	3.5493	.00014	.37213	.00498	.28080	.01120	.51288

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.31695	.00901	.02642	.06277	.31537	.38261	.37049
SDev	.00080	.00013	.00120	.00342	.00054	.00152	.00287
%RSD	.25224	1.4812	4.5455	5.4427	.17062	.39817	.77508

#1	.31785	.00901	.02778	.06269	.31584	.38362	.37302
#2	.31670	.00913	.02594	.06623	.31549	.38335	.37109
#3	.31632	.00888	.02553	.05940	.31478	.38086	.36737

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00364	.00995
SDev	.00684	.00266
%RSD	187.13	26.749

#1	.01155	.00979
	-.00005	.01269
	-.00053	.00737

Analysis Report

Wed Oct-10-96 11:40:22 AM

page 1

Method: IAL Sample Name: 61186003ms

Operator: jmb

Run Time: 04/10/96 11:43:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	84.230	.33405	.20931	1.8466	.04781	.04506	40.040
SDev	.065	.00200	.00527	.0011	.00009	.00004	.067
%RSD	.07773	.59789	2.5199	.06189	.19612	.08469	.16741

#1	84.258	.33181	.21068	1.8461	.04792	.04508	40.110
#2	84.276	.33469	.21376	1.8480	.04778	.04501	40.035
#3	84.155	.33564	.20348	1.8459	.04774	.04508	39.976

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.54379	.46255	3.0204	161.34	13.954	4.6727	.48323
SDev	.00082	.00042	.0028	.20	.013	.0060	.00104
%RSD	.15148	.09181	.09145	.12517	.09415	.12747	.21575

#1	.54468	.46296	3.0194	161.53	13.961	4.6784	.48426
#2	.54363	.46212	3.0235	161.37	13.962	4.6730	.48326
#3	.54305	.46258	3.0183	161.13	13.938	4.6665	.48217

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.126	.04326	.92834	.01847	8.2793	.04866	.98330
SDev	.113	.00059	.00449	.00199	.0614	.00278	.00091
%RSD	.56057	1.3671	.48392	10.794	.74149	5.7145	.09293

#1	20.244	.04389	.93312	.01653	8.3489	.04987	.98429
#2	20.116	.04272	.92769	.01836	8.2566	.04548	.98313
#3	20.019	.04317	.92421	.02051	8.2326	.05062	.98249

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.78042	.39786	.43472	.50802	.85284	.94182	.92121
SDev	.00156	.00078	.00094	.00114	.00175	.00628	.00373
%RSD	.20054	.19638	.21602	.22352	.20565	.66670	.40489

#1	.78222	.39842	.43556	.50673	.85465	.94895	.92431
#2	.77959	.39697	.43489	.50884	.85271	.93941	.92144
#3	.77944	.39817	.43371	.50847	.85115	.93710	.91737

Elem	1980/1	1980/2
Units	ppm	ppm
Avg	.01936	.01936
SDev	.00503	.00134
%RSD	26.509	6.9331

#1	.01282	.01802
#2	.01329	.02053
#3	.02176	.01953

Analysis Report

Wed 04-10-96 11:53:30 AM

Page 1

Method: TAL

Sample Name: 61186094dup

Operator: jmb

Time: 04/10/96 11:48:26

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10308	.00103	-.00046	.00052	.00006	-.00003	-.02915
SDev	.00091	.00161	.00343	.00009	.00002	.00001	.00026
%RSD	.88146	156.05	742.76	17.851	26.700	45.985	.89040

#1	.10360	-.00081	-.00203	.00041	.00004	-.00003	-.02894
#2	.10360	.00215	.00347	.00057	.00007	-.00005	-.02907
#3	.10203	.00176	-.00282	.00057	.00006	-.00002	-.02944

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	-.00003	.01049	-.03012	-.00161	.00210	.00002
SDev	.00011	.00020	.00020	.00130	.00578	.00009	.00043
%RSD	48.813	700.92	1.9467	4.3324	358.86	4.1167	2150.0

#1	-.00032	-.00026	.01043	-.03076	-.00827	.00217	-.00043
#2	-.00011	.00009	.01072	-.02862	.00144	.00213	.00042
#3	-.00022	.00009	.01032	-.03098	.00201	.00201	.00007

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.93649	.00010	.00217	-.00244	.80500	.00146	.00016
SDev	.00802	.00036	.00067	.00173	.09912	.00042	.00034
%RSD	.85610	340.46	30.964	70.627	12.313	28.447	214.62

#1	.93797	-.00015	.00294	-.00389	.69198	.00116	-.00023
#2	.92784	-.00005	.00180	-.00292	.84587	.00128	.00038
#3	.94367	.00051	.00176	-.00053	.87715	.00194	.00032

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01109	.00099	.00067	.00911	.00028	.00296	.00133
SDev	.00005	.00024	.00027	.00090	.00018	.00183	.00085
%RSD	.40763	24.845	40.262	9.8989	62.604	61.862	64.081

#1	.01104	.00081	.00040	.00845	.00010	.00430	.00182
#2	.01111	.00088	.00068	.01014	.00046	.00087	.00182
#3	.01113	.00127	.00094	.00874	.00029	.00371	.00035

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00460	-.00176
SDev	.00157	.00279
%RSD	34.187	158.51

#1	-.00569	-.00338
#2	-.00280	-.00337
#3	-.00532	.00146

000134

Analysis Report

Date: 01-10-96 11:53:30 AM

Method: TAL Sample Name: 611860001

Operator: jmb

Run Time: 04/10/96 11:53:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.426	.00522	.03963	.02603	.00068	.00102	6.6900
SDev	.049	.00196	.00134	.00013	.00001	.00005	.0262
%RSD	.33973	37.586	3.3718	.48051	1.6107	5.1604	.39098

#1	14.482	.00725	.04118	.02614	.00069	.00106	6.7188
#2	14.393	.00333	.03887	.02590	.00067	.00104	6.6677
#3	14.402	.00508	.03885	.02606	.00068	.00096	6.6836

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08029	.01079	.45122	34.440	1.0651	.99032	.01499
SDev	.00043	.00032	.00155	.118	.0069	.00329	.00029
%RSD	.54082	3.0154	.34277	.34122	.65033	.33223	1.9141

#1	.08079	.01088	.45300	34.571	1.0731	.99387	.01484
#2	.08001	.01106	.45043	34.343	1.0620	.98737	.01532
#3	.08007	.01043	.45023	34.405	1.0603	.98972	.01480

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4219	.00011	.08628	.00234	.98553	.00164	.11534
SDev	.0140	.00053	.00079	.00153	.06553	.00085	.00055
%RSD	.98440	477.62	.91377	65.275	6.6491	52.158	.47641

#1	1.4201	.00072	.08715	.00265	1.0417	.00069	.11596
#2	1.4089	-.00011	.08605	.00068	.91353	.00235	.11491
#3	1.4367	-.00028	.08562	.00368	1.0014	.00188	.11515

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07305	.00452	.00607	.01357	.07077	.08943	.08426
SDev	.00053	.00040	.00036	.00196	.00027	.00224	.00045
%RSD	.72290	8.9675	5.9400	14.474	.38080	2.5031	.50131

#1	.07347	.00463	.00647	.01500	.07109	.09147	.08411
#2	.07251	.00407	.00579	.01343	.07076	.08960	.08375
#3	.07307	.00486	.00595	.01168	.07051	.08703	.08448

Elem	1330/1	1330/2
Units	ppm	ppm
Avg	.00000	.00271
SDev	.00017	.00340
%RSD	267.81	125.26

#1	.00292	-.00037
#2	-.00007	.00216
#3	.00245	.00635

200188

Analysis Report

Wed 04-10-96 11:03:33 PM

Page 1

Method: IAL Sample Name: 61186005

Operator: jmb

n Time: 04/10/96 11:58:33

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	67.539	.02067	.19321	.13894	.00256	.00467	38.278
SDev	.061	.00036	.00337	.00012	.00002	.00003	.020
%RSD	.08968	1.7413	1.7432	.08447	.64469	.72042	.05286

#1	67.594	.02029	.19275	.13902	.00254	.00471	38.280
#2	67.474	.02101	.19010	.13881	.00255	.00465	38.257
#3	67.550	.02070	.19679	.13899	.00257	.00465	38.298

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.35914	.05104	.68964	253.21	4.7166	4.2801	.07993
SDev	.00049	.00020	.00153	.22	.0058	.0031	.00006
%RSD	.13793	.38342	.22189	.08676	.12208	.07296	.07099

#1	.35948	.05096	.69051	253.20	4.7189	4.2819	.07988
#2	.35857	.05126	.68787	252.99	4.7101	4.2765	.07994
#3	.35936	.05089	.69053	253.43	4.7209	4.2819	.07999

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.8844	.00022	.31229	.01344	.61660	.00650	.51980
SDev	.0081	.00038	.00077	.00209	.09668	.00115	.00049
%RSD	.28133	173.56	.24706	15.574	15.679	17.666	.09348

#1	2.8763	.00058	.31268	.01560	.50619	.00703	.51969
#2	2.8926	.00024	.31140	.01143	.68608	.00728	.51937
#3	2.8841	.00017	.31278	.01328	.65754	.00518	.52033

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.38452	.00998	.03785	.93447	.34303	.31994	.30806
SDev	.00056	.00040	.00052	.00207	.00088	.00236	.00124
%RSD	.14652	4.0495	1.3610	.22177	.25776	.73659	.40210

#1	.38307	.00978	.03891	.93456	.34307	.31307	.30911
#2	.38465	.01045	.03730	.93235	.34207	.31897	.30912
#3	.38485	.00972	.03795	.93650	.34381	.32262	.30747

Elem	Al3082	B_2496
Units	ppm	ppm
Avg	.00648	.01657
SDev	.00185	.00224
%RSD	28.549	13.528

#1	.00847	.01886
#2	.00481	.01438
#3	.00616	.01648

Analysis Report

Wed 04-10-96 12:08:36 PM

page 1

Method: TAL Sample Name: 61186006

Operator: jmb

Time: 04/10/96 12:08:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	47.546	.01277	.12107	.11208	.00198	.00450	45.423
SDev	.124	.00125	.00247	.00025	.00002	.00009	.112
%RSD	.26135	9.8192	2.0397	.22422	.94418	2.0911	.24668

#1	47.684	.01421	.11822	.11229	.00199	.00460	45.525
#2	47.509	.01199	.12242	.11215	.00197	.00441	45.439
#3	47.444	.01210	.12256	.11180	.00196	.00448	45.303

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22231	.03426	.41655	102.65	4.6674	4.5980	.05947
SDev	.00033	.00024	.00130	.24	.0140	.0104	.00030
%RSD	.14804	.70091	.31142	.23145	.30053	.22697	.50252

#1	.22255	.03444	.41792	102.90	4.6821	4.6080	.05913
#2	.22244	.03434	.41638	102.64	4.6657	4.5988	.05959
#3	.22193	.03399	.41534	102.42	4.6542	4.5872	.05969

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1893	-.00006	.27377	.00618	.71331	.00455	.31977
SDev	.0220	.00034	.00160	.00303	.07527	.00124	.00059
%RSD	.68935	579.98	.58248	48.972	10.552	27.218	.18516

#1	3.2121	.00030	.27558	.00489	.77808	.00315	.32045
#2	3.1874	-.00011	.27255	.00965	.73112	.00551	.31945
#3	3.1683	-.00036	.27319	.00402	.63074	.00499	.31940

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25382	.01620	.01940	.02396	.21155	.27992	.27030
SDev	.00039	.00050	.00090	.00063	.00054	.00265	.00106
%RSD	.15412	3.1003	4.6267	2.6404	.25348	.94818	.39393

#1	.25401	.01675	.01906	.02308	.21176	.27992	.27191
#2	.25402	.01607	.02042	.02407	.21185	.27787	.26950
#3	.25337	.01577	.01872	.02453	.21094	.27898	.26989

Elem	1360/1	1360/2
Units	ppm	ppm
Avg	.00496	.00644
SDev	.00537	.00211
%RSD	107.28	32.687

#1	.00429	.00483
#2	.01058	.00882
#3	.00001	.00566

Method: TAL Sample Name: 61186007

Operator: jmb

Time: 04/10/96 12:08:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	69.612	.02182	.16895	.33526	.00271	.00458	242.96
SDev	.229	.00066	.00419	.00078	.00001	.00014	.58
%RSD	.32946	3.0293	2.2191	.23161	.27495	3.0056	.23813

#1	69.876	.02245	.19359	.33615	.00270	.00474	243.62
#2	69.488	.02186	.18543	.33474	.00270	.00448	242.67
#3	69.471	.02113	.18782	.33487	.00272	.00453	242.58

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39539	.03929	16.540	151.84	4.0967	2.8407	.06673
SDev	.00095	.00026	.054	.42	.0165	.0070	.00042
%RSD	.24037	.66287	.32396	.27754	.40384	.24504	.63613

#1	.39649	.03947	16.602	152.32	4.1152	2.8487	.06718
#2	.39492	.03942	16.513	151.62	4.0833	2.8376	.06668
#3	.39477	.03899	16.506	151.57	4.0915	2.8359	.06634

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5358	.00002	.90525	.00454	1.2257	.00686	.54020
SDev	.0082	.00009	.00257	.00093	.0228	.00033	.00110
%RSD	.32152	622.92	.28421	20.357	1.8610	4.7910	.20376

#1	2.5451	-.00004	.90771	.00444	1.2006	.00648	.54146
#2	2.5323	-.00004	.90257	.00368	1.2312	.00703	.53947
#3	2.5299	.00017	.90546	.00552	1.2452	.00706	.53966

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5580	.00899	.02498	.02685	.38653	.91401	.90042
SDev	.0048	.00020	.00038	.00127	.00091	.00061	.00382
%RSD	.18195	2.2556	1.5201	4.7088	.23590	.06708	.42443

#1	2.5636	.01317	.02701	.02794	.38740	.91371	.90406
#2	2.5562	.00902	.02534	.02547	.38587	.91361	.89662
#3	2.5543	.00877	.02458	.02716	.38642	.91472	.90038

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00579	.00356
SDev	.00379	.00211
%RSD	65.560	59.158

#1	.00143	.00558
#2	.00757	.00137
#3	.00836	.00373

Anal. of: 130008

QC Standard

Wed 04-10-96 12:13:44 PM

page 1

Method: ICP

Sample Name: cov

Operator: jmb

Run Time: 04/10/96 12:13:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.700	5.2478	5.2343	5.1032	5.4525	4.8299	50.309
SD	.049	.0095	.0147	.0083	.0066	.0050	.030
%RSD	.10135	.18183	.28141	.16292	.12190	.10434	.06008

#1	48.692	5.2584	5.2492	5.1127	5.4592	4.8356	50.315
#2	48.753	5.2454	5.2198	5.1000	5.4459	4.8260	50.277
#3	48.655	5.2398	5.2338	5.0971	5.4523	4.8281	50.336

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.1541	4.9941	5.0483	53.945	50.491	4.8966	4.9024
SD	.0032	.0047	.0049	.039	.047	.0035	.0067
%RSD	.06186	.09360	.09689	.07174	.09385	.07147	.13615

#1	5.1555	4.9986	5.0531	53.989	50.514	4.8993	4.9081
#2	5.1505	4.9893	5.0484	53.930	50.522	4.8926	4.8951
#3	5.1564	4.9944	5.0434	53.917	50.436	4.8977	4.9041

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.216	.51077	4.9694	5.1723	51.636	5.0403	5.2219
SD	.185	.00035	.0152	.0169	.087	.0081	.0050
%RSD	.37526	.06925	.30579	.32651	.16934	.16164	.09631

#1	49.052	.51041	4.9542	5.1580	51.543	5.0329	5.2260
#2	49.416	.51112	4.9846	5.1909	51.651	5.0389	5.2163
#3	49.181	.51079	4.9692	5.1679	51.716	5.0490	5.2234

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.9580	5.4438	5.0721	5.2111	5.3444	4.9872	4.9600
SD	.0068	.0025	.0041	.0073	.0051	.0031	.0219
%RSD	.13680	.04658	.08104	.14071	.09559	.06191	.44154

#1	4.9511	5.4450	5.0680	5.2036	5.3494	4.9867	4.9175
#2	4.9519	5.4453	5.0709	5.2180	5.3392	4.9908	4.9810
#3	4.9653	5.4409	5.0767	5.2115	5.3447	4.9843	4.9610

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	5.2050	5.1555
SD	.0110	.0229
%RSD	.22316	.44456

#1	5.2079	5.1326
#2	5.2150	5.1785
#3	5.1923	5.1554

Analysis Report

Net 01-10-96 12:18:49 PM

Page 1

Method: ICP Sample Name: cob

Operator: Juh

Time: 04/10/96 12:18:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09555	.00263	.00405	.00157	.00169	.00134	-.10121
SDev	.00255	.00115	.00190	.00027	.00027	.00026	.00272
%RSD	2.6682	43.625	47.027	17.122	15.924	19.540	2.6890

#1	.09413	.00131	.00482	.00130	.00140	.00110	-.10084
#2	.09850	.00328	.00188	.00184	.00193	.00162	-.09869
#3	.09403	.00331	.00544	.00157	.00172	.00131	-.10409

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00059	.00153	.00250	-.06854	-.00909	.00182	.00142
SDev	.00040	.00046	.00047	.00186	.00344	.00024	.00059
%RSD	67.487	30.035	18.789	2.7127	37.810	12.964	41.554

#1	.00017	.00110	.00218	-.06913	-.01288	.00163	.00077
#2	.00096	.00201	.00304	-.06646	-.00616	.00209	.00192
#3	.00066	.00148	.00227	-.07004	-.00825	.00175	.00157

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96751	.00066	.00108	-.00096	.88568	.00794	.00178
SDev	.01184	.00050	.00082	.00390	.14018	.00191	.00033
%RSD	1.2240	75.675	75.953	407.18	15.827	24.064	18.464

#1	.95513	.00009	.00040	-.00001	.77804	H.01014	.00153
#2	.97873	.00104	.00085	.00238	H1.0442	.00704	.00215
#3	.96866	.00086	.00199	L-.00524	.83481	.00664	.00167

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00152	.00719	.00392	-.00027	.00173	.00290	-.00029
SDev	.00022	.00152	.00186	.00175	.00029	.00062	.00101
%RSD	14.437	21.168	47.455	609.17	16.152	21.235	952.95

#1	.00133	.00635	.00572	-.00229	.00147	.00289	-.00104
#2	.00174	.00775	.00404	.00058	.00202	.00229	-.00032
#3	.00130	.00547	.00200	.00089	.00174	.00352	.00074

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00073	-.00145
SDev	.00066	.00411
%RSD	502.18	283.52

#1	.00135	-.00109
#2	.00141	.00247
#3	-.00495	-.00573

Analysis Report

Date: 04-10-2012 12:13:53

Page: 1

Method: TAL Sample Name: 10000140

Operator: Juh

Run Time: 04/10/2012 12:13:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	226.09	.82732	.10397	1.8547	.00241	.12845	132.96
SDev	.18	.00064	.00083	.0009	.00006	.00056	.30
%RSD	.07744	.07693	.79867	.04757	2.2870	.43937	.22753

#1	225.89	.82662	.10492	1.8537	.00246	.12880	133.01
#2	226.16	.82746	.10354	1.8553	.00240	.12875	133.24
#3	226.23	.82787	.10344	1.8550	.00235	.12780	132.64

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44171	.03705	454.45	356.62	9.4309	2.3498	.34150
SDev	.00086	.00032	1.89	.71	.0092	.0044	.00083
%RSD	.19528	.87464	.41640	.20039	.09712	.18662	.24299

#1	.44138	.03674	452.27	356.62	9.4237	2.3507	.34177
#2	.44269	.03738	455.49	357.34	9.4412	2.3536	.34217
#3	.44106	.03703	455.60	355.91	9.4279	2.3450	.34057

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7135	.02168	55.203	.01871	8.2875	.00879	.10446
SDev	.0177	.00025	.084	.00269	.1186	.00144	.00051
%RSD	.65340	1.1465	.15293	14.364	1.4312	16.420	.48759

#1	2.7112	.02191	55.155	.01617	8.3292	.00749	.10464
#2	2.7322	.02173	55.300	.01843	8.3795	.00854	.10485
#3	2.6970	.02142	55.154	.02153	8.1536	.01034	.10388

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	18.379	.06623	.14854	1.1050	3.5625	55.419	55.095
SDev	.062	.00048	.00179	.0032	.0050	.058	.093
%RSD	.33784	.72694	1.2092	.38922	.14116	.10491	.17741

#1	18.391	.06581	.14777	1.1021	3.5617	55.392	55.076
#2	18.433	.06612	.15016	1.1075	3.5625	55.486	55.207
#3	18.311	.06476	.14725	1.1014	3.5577	55.380	55.040

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00876	.01327
SDev	.00449	.00552
%RSD	51.256	23.723

#1	.00841	.01363
#2	.01341	.02057
#3	.00446	.02363

Method: IAL Sample Name: 61186009

Operator: Jabo

Run Time: 04/10/96 12:03:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	73.270	.05728	.19053	.42754	.00327	.01252	26.388
SDev	.120	.00147	.00124	.00076	.00006	.00006	.101
%RSD	.16368	2.5650	.65121	.17792	1.6836	.46405	.38089

#1	73.395	.05815	.18997	.42817	.00333	.01255	26.504
#2	73.156	.05810	.18967	.42669	.00324	.01256	26.323
#3	73.258	.05558	.19195	.42776	.00324	.01246	26.338

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.41022	.06126	67.681	197.06	2.9445	6.3465	.07856
SDev	.00132	.00022	.114	.72	.0034	.0225	.00033
%RSD	.32125	.35731	.16896	.36546	.11389	.35415	.41945

#1	.41170	.06146	67.775	197.88	2.9474	6.3724	.07841
#2	.40917	.06103	67.554	196.55	2.9408	6.3317	.07834
#3	.40978	.06130	67.714	196.74	2.9453	6.3354	.07894

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7031	.00272	4.9541	.01179	L-2.1714	.00739	.55566
SDev	.0322	.00007	.0347	.00098	.1418	.00094	.00115
%RSD	1.8902	2.7678	.70043	8.3001	6.5317	12.667	.20660

#1	1.7398	.00278	4.9942	.01097	L-2.0080	.00812	.55684
#2	1.6900	.00263	4.9334	.01152	L-2.2431	.00770	.55454
#3	1.6795	.00275	4.9348	.01287	L-2.2630	.00633	.55559

Elem	Zn2062	P_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.1809	.00756	.03503	.35485	.36130	4.9795	4.9411
SDev	.0094	.00049	.00095	.00240	.00117	.0365	.0340
%RSD	.42915	6.5186	2.7151	.67684	.32449	.73333	.68794

#1	2.1817	.00700	.03587	.35762	.36255	5.0216	4.9802
#2	2.1753	.00777	.03400	.35358	.36023	4.9622	4.9187
#3	2.1757	.00791	.03523	.35334	.36110	4.9549	4.9244

Elem	1360/1	1360/2
Units	ppm	ppm
Avg	.01066	.01205
SDev	.00036	.00131
%RSD	3.4013	10.857

#1	.01054	.01090
#2	.01041	.01179
#3	.01109	.01348

Analysis Report

Wed 04-10-97 12:34:00 PM

Page 1

Method: 701 Sample Name: 81106010

Operator: jmb

In Time: 04-10-97 12:34:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	80.473	.03516	.20375	.20497	.00323	.00663	48.502
SDev	.126	.00095	.00187	.00038	.00000	.00009	.060
%RSD	.15714	2.6925	.91591	.18561	.13872	1.2937	.12291

#1	80.478	.03434	.20382	.20492	.00324	.00671	48.561
#2	80.344	.03494	.20185	.20462	.00323	.00664	48.442
#3	80.597	.03620	.20558	.20537	.00323	.00654	48.502

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.42131	.05716	28.359	188.40	4.7752	5.8856	.09005
SDev	.00046	.00015	.063	.23	.0122	.0066	.00034
%RSD	.10863	.25531	.22239	.12466	.25595	.11259	.37471

#1	.42177	.05701	28.347	188.58	4.7733	5.8835	.09042
#2	.42086	.05717	28.303	188.13	4.7641	5.8780	.08994
#3	.42130	.05730	28.428	188.49	4.7883	5.8902	.08977

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.6828	.00016	3.8750	.01108	-.55820	.00958	.56183
SDev	.0069	.00020	.0089	.00194	.04546	.00368	.00049
%RSD	.18626	127.72	.23012	17.510	8.1437	38.441	.08810

#1	3.6905	.00040	3.8851	.00896	-.50572	.01269	.56234
#2	3.6807	.00006	3.8717	.01276	-.58501	.00551	.56135
#3	3.6773	.00003	3.8682	.01153	-.58389	.01054	.56179

Elem	Zn1060	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3716	.00416	.03092	.12242	.32059	3.8829	3.8706
SDev	.0015	.00015	.00027	.00015	.00051	.0151	.0058
%RSD	.10676	3.7258	.87555	.12232	.15896	.38981	.15024

#1	1.3733	.00398	.03105	.12258	.32101	3.9001	3.8777
#2	1.3709	.00422	.03110	.12229	.32003	3.8770	3.8686
#3	1.3706	.00427	.03061	.12237	.32075	3.8717	3.8661

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00979	.01141
SDev	.00346	.00251
%RSD	35.388	22.032

#1	.00894	.00864
#2	.01360	.01202
#3	.00683	.01356

Method: ICP Sample Name: 6316601mg

Operator: jmb

Run Time: 06/10/96 12:39:04

Element:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	93.761	.36978	.25512	1.8021	.04336	.04245	96.463
SDev	.147	.00193	.00326	.0009	.00004	.00025	.150
%RSD	.15652	.52310	1.2789	.04975	.10241	.59906	.15542

#1	93.929	.36758	.25819	1.8030	.04341	.04266	96.635
#2	93.700	.37124	.25548	1.8022	.04333	.04217	96.364
#3	93.655	.37052	.25169	1.8012	.04333	.04253	96.390

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.61104	.42591	10.6817	250.58	13.238	6.3213	.46567
SDev	.00102	.00061	.006	.33	.025	.0016	.00102
%RSD	.16749	.14278	.05187	.13365	.18513	.02516	.21956

#1	.61211	.42661	10.687	250.96	13.267	6.3228	.46640
#2	.61007	.42562	10.680	250.33	13.225	6.3196	.46450
#3	.61094	.42551	10.676	250.45	13.223	6.3214	.46610

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.331	.03907	19.574	.02018	6.9197	.04541	1.0344
SDev	.119	.00014	.091	.00204	.0702	.00146	.0001
%RSD	.61514	.35698	.46581	10.125	1.0143	3.2068	.01210

#1	19.462	.03919	19.679	.01932	7.0000	.04396	1.0346
#2	19.299	.03892	19.534	.02252	6.8702	.04540	1.0343
#3	19.231	.03911	19.510	.01871	6.8890	.04687	1.0345

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.1524	.35762	.39798	3.0150	.94223	19.582	19.570
SDev	.0030	.00143	.00128	.0057	.00165	.082	.096
%RSD	.13814	.39835	.32260	.19070	.17499	.42533	.48918

#1	2.1550	.35926	.39907	3.0210	.94403	19.678	19.670
#2	2.1509	.35694	.39670	3.0143	.94189	19.533	19.535
#3	2.1504	.35667	.39797	3.0096	.94078	19.535	19.498

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.01736	.02127
SDev	.00169	.00230
%RSD	9.7245	10.801

#1	.01604	.02064
#2	.01926	.02382
#3	.01676	.01936

000144

M-104 10-86 12:44:08 000144

Method: EIL Sample Name: 81186012dup

Operator: Job

Time: 04/10/96 12:44:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	73.741	.04744	.20574	.19799	.00314	.00618	51.294
SDev	.101	.00060	.00561	.00022	.00000	.00003	.067
%RSD	.13649	1.2595	2.7252	.11174	.13578	.56919	.13092

#1	73.649	.04705	.20103	.19775	.00314	.00620	51.217
#2	73.727	.04714	.20426	.19803	.00315	.00614	51.343
#3	73.849	.04813	.21195	.19819	.00314	.00621	51.321

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41329	.05691	10.197	182.06	4.8256	5.5261	.08821
SDev	.00056	.00012	.009	.26	.0038	.0081	.00014
%RSD	.13613	.21529	.08757	.14018	.07840	.14636	.15290

#1	.41264	.05698	10.188	181.78	4.8215	5.5167	.08807
#2	.41364	.05677	10.199	182.27	4.8288	5.5303	.08834
#3	.41359	.05698	10.205	182.15	4.8266	5.5311	.08822

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9425	.00010	3.9204	.01064	-.77312	.00721	.57486
SDev	.0046	.00020	.0046	.00340	.00528	.00086	.00109
%RSD	.09258	201.17	.11617	31.975	.68242	11.950	.18910

#1	4.9478	-.00000	3.9255	.00689	-.77100	.00625	.57361
#2	4.9397	-.00003	3.9168	.01353	-.76923	.00748	.57555
#3	4.9401	.00034	3.9189	.01151	-.77913	.00791	.57542

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2323	.00878	.03215	.07605	.33803	3.9167	3.9219
SDev	.0040	.00036	.00089	.00109	.00056	.0020	.0076
%RSD	.18023	4.1008	2.7566	1.4371	.16560	.05141	.19337

#1	2.2277	.00889	.03119	.07621	.33740	3.9147	3.9200
#2	2.2355	.00911	.03306	.07706	.33613	3.9167	3.9165
#3	2.2335	.00839	.03211	.07489	.33854	3.9187	3.9187

Elem	1810/1	1860/2
Units	ppm	ppm
Avge	.01104	.01012
SDev	.00360	.00449
%RSD	32.606	44.346

#1	.00800	.00601
#2	.01011	.01491
#3	.01502	.00944

200198

000145

Analytical Report

Wed Oct 10 12:49:11 PM

Page 1

Method: IAL Sample Name: 611860101

Operator: jmh

Time: 04/10/96 12:49:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.096	.00959	.04654	.04917	.00093	.00170	11.717
SDev	.090	.00099	.00113	.00023	.00001	.00009	.059
%RSD	.47210	10.298	2.4248	.47251	.89305	5.1239	.50434

#1	19.194	.00883	.04769	.04943	.00092	.00175	11.783
#2	19.076	.01071	.04650	.04910	.00094	.00160	11.697
#3	19.017	.00923	.04543	.04899	.00092	.00174	11.670

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10208	.01400	6.8653	44.070	1.1546	1.4696	.02227
SDev	.00047	.00006	.0341	.235	.0073	.0070	.00028
%RSD	.46014	.45515	.49621	.53238	.62918	.47446	1.2395

#1	.10262	.01399	6.9044	44.339	1.1630	1.4776	.02253
#2	.10183	.01394	6.8495	43.966	1.1503	1.4666	.02231
#3	.10179	.01407	6.8419	43.905	1.1506	1.4647	.02198

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.4572	-.00002	.96465	-.00068	.81745	.00299	.13483
SDev	.0014	.00007	.00051	.00351	.00367	.00160	.00083
%RSD	.09755	344.06	.05284	517.72	.44943	53.695	.61246

#1	1.4588	-.00002	.96407	.00317	.81322	.00383	.13576
#2	1.4567	-.00009	.96502	-.00151	.81926	.00114	.13455
#3	1.4561	.00005	.96485	-.00370	.81986	.00399	.13418

Elem	Zn2062	S_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.33687	.00334	.00765	.03075	.07716	.96797	.96256
SDev	.00131	.00016	.00042	.00057	.00012	.00286	.00204
%RSD	.38858	4.9018	5.5504	1.8466	.16058	.29551	.21228

#1	.33815	.00345	.00809	.03107	.07730	.96990	.96073
#2	.33693	.00315	.00764	.03108	.07707	.96468	.96476
#3	.33554	.00341	.00724	.03009	.07711	.96933	.96219

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00168	-.00056
SDev	.00560	.00317
%RSD	333.63	565.00

#1	.00465	.00206
#2	-.00598	.00034
#3	-.00370	-.00408

200199

Analysis Report

Method: IAL

Page: 1

Sample Name: 00186013

Operator: Job

Time: 04/10/96 12:54:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	89.868	.12609	.17576	.36221	.00330	.01078	259.34
SDev	.061	.00114	.00460	.00016	.00001	.00014	.48
%RSD	.06841	.90217	2.6164	.04439	.26862	1.2774	.18344

#1	89.938	.12724	.17818	.36239	.00330	.01070	259.78
#2	89.842	.12606	.17865	.36213	.00330	.01070	259.38
#3	89.823	.12497	.17046	.36210	.00329	.01094	258.84

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.36793	.05436	165.26	223.27	4.3621	5.0120	.55240
SDev	.00046	.00039	.06	.36	.0052	.0072	.00029
%RSD	.12421	.71209	.03386	.16168	.11901	.14294	.05290

#1	.36843	.05478	165.30	223.64	4.3681	5.0191	.55272
#2	.36783	.05427	165.29	223.25	4.3588	5.0120	.55215
#3	.36753	.05403	165.20	222.92	4.3594	5.0048	.55232

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.1048	.00419	14.144	.01401	1.8298	.00896	.48282
SDev	.0220	.00006	.051	.00244	.0990	.00140	.00070
%RSD	.70940	1.4741	.35767	17.393	5.4124	15.611	.14473

#1	3.1135	.00415	14.169	.01536	1.9063	.00793	.48332
#2	3.1212	.00416	14.177	.01120	1.8652	.00840	.48311
#3	3.0798	.00426	14.085	.01548	1.7179	.01055	.48202

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.657	.01354	.04066	.86198	.48526	14.147	14.142
SDev	.026	.00066	.00120	.00188	.00158	.059	.047
%RSD	.20852	4.8694	2.9615	.21808	.32462	.41466	.33183

#1	12.681	.01341	.04048	.86007	.48689	14.168	14.168
#2	12.661	.01425	.03956	.86204	.48374	14.192	14.169
#3	12.629	.01295	.04195	.86383	.48514	14.081	14.087

Elem	1860/1	1860/2
Units	ppm	ppm
Avge	.01473	.01330
SDev	.00804	.00214
%RSD	54.580	16.091

#1	.02281	.01128
	.00673	.01307
	.01465	.01554

Analytical Report

Wed 04-10-96 01:04:13 PM

Page 1

Method: TAL Sample Name: 01186014

Operator: jmb

Run Time: 04/10/96 12:59:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	45.952	.03340	.20445	.14157	.00465	.00509	68.375
SDev	.135	.00145	.00083	.00030	.00002	.00008	.130
%RSD	.29415	4.3340	.40689	.20849	.32307	1.6095	.19066

#1	46.090	.03206	.20353	.14190	.00467	.00516	68.525
#2	45.946	.03493	.20514	.14145	.00464	.00510	68.316
#3	45.820	.03322	.20468	.14135	.00464	.00500	68.285

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39097	.06439	.35876	173.47	3.0864	7.1265	.07524
SDev	.00049	.00022	.00132	.36	.0082	.0135	.00021
%RSD	.12522	.34419	.36892	.20704	.26422	.18944	.28556

#1	.39151	.06426	.35943	173.87	3.0953	7.1414	.07547
#2	.39083	.06427	.35962	173.36	3.0845	7.1228	.07521
#3	.39056	.06465	.35724	173.17	3.0793	7.1152	.07504

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.7914	-.00097	.11961	.00817	L-3.1672	.01085	.61430
SDev	.0138	.00004	.00028	.00093	.0395	.00032	.00108
%RSD	.77123	4.5981	.23844	11.401	1.2480	2.9935	.17497

#1	1.8074	-.00093	.11983	.00924	L-3.1333	.01102	.61550
#2	1.7836	-.00097	.11929	.00769	L-3.2106	.01106	.61398
#3	1.7833	-.00102	.11971	.00757	L-3.1577	.01048	.61343

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.30558	-.00664	.04031	.01199	.34490	.12480	.11669
SDev	.00043	.00063	.00045	.00085	.00106	.00104	.00013
%RSD	.14024	9.4164	1.1091	7.0850	.30703	.83649	.10897

#1	.30530	-.00603	.04025	.01102	.34595	.12545	.11670
#2	.30563	-.00728	.03990	.01262	.34494	.12360	.11681
#3	.30512	-.00661	.04079	.01232	.34383	.12536	.11656

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00713	.00840
SDev	.00119	.00184
%RSD	16.608	21.894

#1	.00622	.01048
#2	.00851	.00701
#3	.00680	.00770

01/10/96 13:04:22

01/10/96 13:04:22

Page 1

Sample Name: 8118601

Operator: jmh

Time: 01/10/96 13:04:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	58.626	.04289	.19057	.09500	.00295	.00468	379.13
SDev	.171	.00125	.00073	.00023	.00001	.00005	.63
%RSD	.29153	2.9136	.38185	.24598	.43043	1.1420	.16595

#1	58.816	.04236	.19140	.09525	.00297	.00474	379.86
#2	58.578	.04431	.19021	.09496	.00294	.00463	378.78
#3	58.484	.04199	.19008	.09479	.00295	.00467	378.76

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.32896	.03839	.80211	139.30	5.5389	3.6323	.07155
SDev	.00052	.00013	.00447	.29	.0136	.0051	.00034
%RSD	.15854	.33215	.55790	.20706	.24591	.14102	.48282

#1	.32956	.03853	.80690	139.63	5.5542	3.6382	.07194
#2	.32863	.03829	.80137	139.19	5.5281	3.6298	.07133
#3	.32870	.03833	.79805	139.08	5.5342	3.6289	.07136

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.4526	-.00021	.20694	.00711	1.6408	.00319	.48555
SDev	.0306	.00024	.00050	.00176	.0596	.00156	.00076
%RSD	.56128	113.73	.24140	24.801	3.6324	48.784	.15592

#1	5.4879	.00000	.20752	.00685	1.6601	.00224	.48642
#2	5.4337	-.00016	.20662	.00549	1.5739	.00499	.48507
#3	5.4362	-.00047	.20669	.00899	1.6883	.00235	.48516

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27505	.03540	.02730	.02114	.34574	.21335	.20328
SDev	.00059	.00034	.00058	.00122	.00115	.00031	.00089
%RSD	.21458	.95412	2.1351	5.7627	.33400	.14462	.43537

#1	.27560	.03574	.02681	.02084	.34690	.21300	.20409
#2	.27445	.03506	.02713	.02248	.34567	.21164	.20094
#3	.27506	.03539	.02794	.02009	.34462	.21340	.20291

Elem	1060/1	1060/2
Units	ppm	ppm
Avg	.00445	.00806
SDev	.00088	.00265
%RSD	19.750	32.885

#1	.00344	.00917
#2	.00501	.00535
#3	.00490	.01065

Sample Name: 61186016

Wed 04-10-96 01:14:25 PM

Page 1

Method: ICP

Sample Name: 61186016

Operator: jmb

Run Time: 04/10/96 13:09:26

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	109.41	k.50143	k.25894	.67898	k.00327	k.09224	27.991
SDev	.36	.00255	.00530	.00186	.00002	.00063	.087
%RSD	.32657	.50817	2.0469	.27427	.46110	.68658	.31166

#1	109.78	k.50410	k.25371	.68061	k.00328	k.09295	28.061
#2	109.39	k.50118	k.26431	.67938	k.00329	k.09173	28.018
#3	109.07	k.49902	k.25879	.67695	k.00326	k.09204	27.893

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49507	.08942	k159.61	C.00000	2.4013	7.7215	.27762
SDev	.00136	.00028	.31	.00000	.0114	.0201	.00095
%RSD	.27533	.30779	.19261	.00000	.47359	.26031	.34059

#1	.49614	.08955	k159.88	C.00000	2.4141	7.7370	.27792
#2	.49552	.08960	k159.66	C.00000	2.3975	7.7287	.27838
#3	.49353	.08910	k159.27	C.00000	2.3922	7.6988	.27656

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0426	.01172	k43.433	k-.26896	k4.3498	k-.06901	k.09276
SDev	.0103	.00032	.208	.00178	.0756	.00076	.00054
%RSD	.50327	2.6999	.47866	.66184	1.7369	1.0988	.57865

#1	2.0513	.01202	k43.609	k-.27097	k4.3999	k-.06968	k.09228
#2	2.0451	.01175	k43.487	k-.26758	k4.3865	k-.06819	k.09267
#3	2.0312	.01139	k43.204	k-.26833	k4.2629	k-.06916	k.09334

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	45.390	k.12787	k.03947	2.2912	.64800	k43.339	k43.480
SDev	.160	.00051	.00036	.0039	.00257	.145	.240
%RSD	.35235	.39464	.91809	.16916	.39684	.33371	.56104

#1	45.521	k.12845	k.03933	2.2956	.64816	k43.467	k43.532
#2	45.438	k.12764	k.03970	2.2869	.64880	k43.368	k43.517
#3	45.212	k.12752	k.03905	2.2890	.64505	k43.182	k43.214

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	k.02698	k-.41704
SDev	.00180	.00197
%RSD	6.6841	.46355

#1	k.02542	k-.41927
#2	k.02895	k-.41596
#3	k.02657	k-.41589

Daily In Control

QC Standard

Wed 04-10-96 01:10:00 PM

page 1

Method: TAL Sample Name: ccv

Operator: jmb

Time: 04/10/96 13:14:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.236	5.0693	5.0559	4.9919	5.2688	4.6984	48.754
SDev	1.728	.1800	.1761	.1789	.1903	.1672	1.785
%RSD	3.6591	3.5512	3.4824	3.5832	3.6113	3.5594	3.6617

#1	48.147	5.1608	5.1601	5.0877	5.3722	4.7875	49.697
#2	45.243	4.8619	4.8526	4.7855	5.0492	4.5055	46.695
#3	48.319	5.1852	5.1549	5.1024	5.3849	4.8022	49.870

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0207	4.8545	5.0943	52.571	49.116	4.7369	4.7760
SDev	.1833	.1740	.1833	1.935	1.810	.1708	.1733
%RSD	3.6508	3.5839	3.5973	3.6814	3.6846	3.6052	3.6282

#1	5.1167	4.9472	5.1867	53.607	50.077	4.8248	4.8680
#2	4.8094	4.6538	4.8833	50.338	47.028	4.5400	4.5752
#3	5.1361	4.9625	5.2130	53.768	50.243	4.8458	4.8840

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.100	.49949	4.8407	4.9989	50.805	4.8643	5.0815
SDev	1.635	.01725	.1594	.1598	2.219	.1698	.1859
%RSD	3.3998	3.4536	3.2925	3.1968	4.3674	3.4898	3.6577

#1	49.053	.50872	4.9269	5.0926	51.966	4.9529	5.1767
#2	46.211	.47958	4.6567	4.8144	48.247	4.6686	4.8673
#3	49.034	.51015	4.9383	5.0898	52.203	4.9714	5.2004

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.7876	5.2802	4.9469	5.0653	5.2086	4.8316	4.8447
SDev	.1741	.1866	.1819	.1771	.1889	.1638	.1572
%RSD	3.6360	3.5332	3.6762	3.4963	3.6267	3.3912	3.2481

#1	4.8797	5.3778	5.0428	5.1803	5.3051	4.9157	4.9517
#2	4.5869	5.0651	4.7371	4.8610	4.9910	4.6427	4.7807
#3	4.6964	5.3976	5.0609	5.1747	5.3298	4.9356	4.9282

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	5.0220	4.9870
SDev	.1706	.1545
%RSD	3.3960	3.1041

#1	5.1001	5.0844
#2	4.8254	4.8085
#3	5.1324	5.0681

Analysis Report

Wed 04/10/96 01:23:33 PM

Page: 1

Method: TAL Sample Name: ocb

Operator: jmb

Time: 04/10/96 13:19:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10417	.00252	.00376	.00171	.00178	.00154	-.10729
SDev	.00567	.00112	.00114	.00051	.00043	.00047	.00672
%RSD	5.4411	44.268	30.361	29.529	23.958	30.409	6.2639

#1	.11011	.00368	.00488	.00228	.00226	.00206	-.09978
#2	.10357	.00244	.00259	.00157	.00164	.00139	-.10935
#3	.09882	.00145	.00382	.00130	.00145	.00116	-.11273

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00074	.00171	.01250	-.03526	-.00793	.00242	.00154
SDev	.00038	.00053	.00256	.01563	.00406	.00062	.00019
%RSD	52.058	31.000	20.493	44.334	51.196	25.537	12.463

#1	.00118	.00232	.01534	-.01818	-.00453	.00311	.00175
#2	.00055	.00144	.01177	-.03872	-.00683	.00224	.00136
#3	.00049	.00137	.01038	-.04887	-.01243	.00191	.00152

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.93124	.00031	H.00489	.00162	.80159	.00793	.00177
SDev	.01934	.00012	.00028	.00133	.15636	.00242	.00031
%RSD	2.0767	39.125	5.6615	82.333	19.506	30.553	17.555

#1	.91283	.00020	H.00516	.00058	.63380	.00755	.00212
#2	.95139	.00030	H.00460	.00310	.94322	H.01053	.00153
#3	.92949	.00044	H.00490	.00116	.82774	.00572	.00166

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00443	.00667	.00432	.00317	.00179	.00584	.00397
SDev	.00101	.00175	.00103	.00100	.00046	.00072	.00077
%RSD	22.815	26.268	23.712	31.644	25.780	12.336	19.391

#1	.00355	.00812	.00545	.00259	.00230	.00505	.00477
#2	.00415	.00718	.00405	.00403	.00165	.00646	.00324
#3	.00355	.00472	.00344	.00260	.00140	.00602	.00391

#1	.00015	.00097
#2	.00031	.00135
#3	.00015	.00097

#1	-.00166	.00131
#2	.00437	.00211
#3	.00374	-.00052

Analysis Report

Unit: 04/10/96 09:00:00

Method: IAL Sample Name: 61100017

Operator: jmb

Time: 04/10/96 13:24:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.307	.03470	.18394	.13270	.00339	.00487	15.010
SDev	.176	.00070	.00113	.00035	.00005	.00006	.070
%RSD	.36373	2.0089	.61714	.26484	1.4930	1.2932	.46337

#1	48.502	.03537	.18301	.13306	.00345	.00490	15.086
#2	48.257	.03398	.18520	.13269	.00337	.00492	14.993
#3	48.162	.03475	.18360	.13236	.00335	.00480	14.950

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.34895	.05039	3.7280	174.88	2.6571	5.4377	.07746
SDev	.00149	.00032	.0111	.76	.0106	.0237	.00008
%RSD	.42666	.63143	.29696	.43367	.40010	.43663	.10072

#1	.35057	.05065	3.7393	175.70	2.6688	5.4632	.07744
#2	.34862	.05048	3.7275	174.74	2.6542	5.4338	.07755
#3	.34765	.05003	3.7172	174.21	2.6482	5.4162	.07740

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.83832	-.00047	6.1576	.00885	L-5.7554	.01014	.48855
SDev	.02313	.00010	.0450	.00147	.1001	.00150	.00188
%RSD	2.7593	20.358	.73146	16.608	1.7400	14.753	.38428

#1	.86385	-.00036	6.2087	.00723	L-5.6443	.00958	.49048
#2	.83235	-.00053	6.1402	.00923	L-5.7832	.01184	.48843
#3	.81876	-.00052	6.1238	.01010	L-5.8387	.00901	.48673

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4639	L-.01938	.04156	.06998	.27729	6.1375	6.1674
SDev	.00074	.00044	.00041	.00057	.00052	.0334	.0508
%RSD	.00611	2.2477	.96933	.82060	.18650	.54450	.82446

#1	1.47001	L-.01988	.04100	.07064	.27770	6.1754	6.2250
#2	1.4417	L-.01964	.04158	.06969	.27746	6.1237	6.1482
#3	1.4578	L-.01963	.04112	.06961	.27671	6.1131	6.1289

Elem	1310/1	1310/2
Units	ppm	ppm
Avg	.00116	.00749
SDev	.00366	.00115
%RSD	31.644	15.425

#1	.00837	.00645
#2	.00980	.00873
#3	.01531	.00727

Anal. M. F. 1.1

H. H. 01-10-96 01:29:41 PM

Page 1

Method: IAI Sample Name: 01186013

Operator: Jmb

Time: 00/10/96 13:29:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	468.06	.57466	.01215	.26872	.00193	.02300	41.986
SDev	1.65	.00178	.00327	.00076	.00003	.00022	.131
%RSD	.35158	.30952	26.880	.28145	1.3793	.97694	.31102
#1	469.74	.57262	.01010	.26953	.00196	.02325	42.127
#2	467.99	.57551	.01591	.26862	.00194	.02282	41.964
#3	466.45	.57585	.01043	.26803	.00190	.02292	41.868
Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04920	.00737	50.555	28.697	1.0502	.28775	.04337
SDev	.00012	.00018	.179	.071	.0096	.00072	.00019
%RSD	.23644	2.4453	.35426	.24904	.91064	.25013	.43105
#1	.04930	.00723	50.743	28.768	1.0612	.28848	.04357
#2	.04922	.00758	50.535	28.698	1.0456	.28774	.04320
#3	.04907	.00731	50.386	28.625	1.0439	.28704	.04336
Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.6888	.00181	27.437	.00557	3.8031	.00169	.10421
SDev	.0057	.00009	.089	.00724	.0399	.00212	.00058
%RSD	.33462	4.9850	.32598	129.98	1.0498	112.42	.55613
#1	1.6950	.00192	27.532	.01393	3.8482	.00151	.10481
#2	1.6839	.00176	27.423	.00135	3.7887	.00417	.10418
#3	1.6876	.00176	27.355	.00143	3.7724	-.00002	.10365
Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	18.339	.02529	.00636	.06620	.67461	27.346	27.481
SDev	.058	.00061	.00132	.00170	.01024	.107	.081
%RSD	.31789	2.4073	20.711	2.5626	1.5182	.38950	.29447
#1	18.401	.02549	.00595	.06765	.68600	27.460	27.517
#2	18.334	.02489	.00634	.06662	.66617	27.331	27.468
#3	18.290	.02498	.00768	.06433	.67165	27.248	27.407
Elem	2203/1	2203/2					
Units	ppm	ppm					
Avge	.00238	.00207					
SDev	.00067	.00063					
%RSD	283.39	66.523					
#1	.00887	.01603					
#2	-.00742	.00530					
#3	-.00830	.00586					

Anal. File: 000154

Wed Aug-10 01:11:46 PM

Page 1

Method: ICP Sample Name: 61186019

Operator: jad

Time: 04/10/96 13:34:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	80.350	.01630	.23280	.11063	.00364	.00418	60.948
SDev	.781	.00063	.00204	.00091	.00008	.00008	.637
%RSD	.97236	3.8503	.87760	.82501	2.1452	1.9614	1.0453

#1	80.780	.01672	.23092	.11114	.00370	.00417	61.391
#2	80.820	.01660	.23497	.11117	.00366	.00427	61.236
#3	79.448	.01558	.23250	.10957	.00355	.00411	60.218

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.54007	.06336	1.1328	214.78	4.3416	4.5374	.08204
SDev	.00564	.00083	.0102	2.34	.0436	.0452	.00073
%RSD	1.0438	1.3055	.90006	1.0884	1.0041	.99638	.88957

#1	.54365	.06404	1.1384	216.40	4.3649	4.5676	.08252
#2	.54298	.06360	1.1390	215.84	4.3687	4.5592	.08239
#3	.53357	.06244	1.1211	212.10	4.2913	4.4854	.08120

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3422	-.00029	.71974	.00583	.39474	.00939	.75656
SDev	.0561	.00017	.00982	.00358	.24261	.00217	.00721
%RSD	2.3957	58.652	1.3641	61.506	61.461	23.146	.95308

#1	2.3962	-.00014	.72983	.00850	.64484	.00851	.76121
#2	2.3462	-.00048	.71918	.00722	.37899	.00780	.76023
#3	2.2842	-.00026	.71022	.00176	.16039	.01187	.74826

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41719	.00266	.03338	.03610	.40653	.72291	.71774
SDev	.00460	.00055	.00131	.00101	.00444	.00738	.01106
%RSD	1.1030	20.753	3.9148	2.8034	1.0920	1.0295	1.5414

#1	.41719	.00266	.03338	.03727	.40887	.73088	.72084
#2	.41670	.00249	.03453	.03544	.40922	.72153	.71756
#3	.41200	.00221	.03196	.03560	.40141	.71632	.70675

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00370	.00651
SDev	.00637	.00458
%RSD	173.153	70.434

#1	.00150	.01165
#2	.01097	.00500
#3	-.00114	.00286

04/10/96

Wed 04-10-96 01:44:49 PM

page 1

Method: ICP Sample Name: 61196020

Operator: jmb

Time: 04/10/96 13:39:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	61.198	.39705	.22722	.41629	.00339	.00841	143.49
SDev	.052	.00188	.00352	.00017	.00002	.00007	.20
%RSD	.08575	.47451	1.5510	.04027	.49210	.84405	.13612

#1	61.257	.39579	.23128	.41636	.00340	.00847	143.69
#2	61.155	.39921	.22541	.41609	.00337	.00843	143.30
#3	61.184	.39613	.22498	.41640	.00340	.00833	143.47

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.42139	.06402	194.39	203.88	3.1385	6.1627	.09785
SDev	.00062	.00013	.17	.27	.0079	.0070	.00046
%RSD	.14689	.20831	.08728	.13251	.25114	.11319	.46885

#1	.42191	.06417	194.32	204.13	3.1438	6.1695	.09792
#2	.42070	.06397	194.27	203.60	3.1294	6.1556	.09826
#3	.42156	.06391	194.59	203.91	3.1422	6.1629	.09735

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.7539	.00567	122.91	.01111	1.6922	.01127	.55604
SDev	.0019	.00029	.17	.00120	.0090	.00159	.00058
%RSD	.07012	5.1708	.13605	10.782	.52950	14.106	.10484

#1	2.7561	.00600	123.10	.00975	1.6907	.01029	.55667
#2	2.7530	.00543	122.82	.01157	1.7018	.01310	.55552
#3	2.7526	.00559	122.81	.01201	1.6840	.01042	.55593

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0354	.00936	.03793	3.6623	.47120	122.57	123.07
SDev	.0074	.00043	.00055	.0050	.00088	.13	.31
%RSD	.14767	5.13095	1.4400	.13709	.18577	.10956	.25544

#1	5.0426	.00931	.03783	3.6664	.47111	122.47	123.14
#2	5.0277	.00884	.03605	3.6567	.47109	122.59	123.03
#3	5.0360	.00942	.03841	3.6637	.47039	122.69	122.86

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00885	.01189
SDev	.00669	.00175
%RSD	75.631	14.714

#1	.00214	.01320
#2	.00888	.01257
#3	.01552	.00990

Anal: 10-10-86

Wed 10-10-86 01:49:53 PM

Page: 1

Method: AAS Sample Name: S1186.021

Operator: Jml

Time: 10-10-86 10:44:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	80.720	.03183	.29266	.18789	.00395	.00435	6.9680
SDev	.133	.00236	.00267	.00020	.00002	.00009	.0067
%RSD	.16441	7.4241	.91107	.10463	.52097	2.0035	.09585

#1	80.619	.03429	.29000	.18767	.00393	.00439	6.9707
#2	80.870	.02958	.29263	.18797	.00397	.00441	6.9729
#3	80.671	.03162	.29534	.18803	.00394	.00425	6.9604

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.75300	.13201	31.613 <i>4.5</i>	324.87	1.8411	13.402	.08707
SDev	.00075	.00037	.050	.29	.0062	.010	.00013
%RSD	.09918	.28328	.15895 <i>0.15</i>	.08828	.33701	.07261	.15335

#1	.75308	.13179	31.564	324.91	1.8354	13.400	.08719
#2	.75370	.13244	31.665	325.13	1.8477	13.412	.08710
#3	.75221	.13179	31.609	324.57	1.8403	13.393	.08693

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0610	-.00104	5.4637	.02392	1.3982	.01572	1.1092
SDev	.0066	.00038	.0109	.00170	.0226	.00352	.0006
%RSD	.21555	36.078	.19931	7.1006	1.6162	22.366	.05099

#1	3.0580	-.00089	5.4631	.02589	1.3986	.01217	1.1091
#2	3.0686	-.00076	5.4748	.02294	1.4206	.01920	1.1098
#3	3.0565	-.00147	5.4531	.02295	1.3754	.01579	1.1087

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7720	.00181	.05371	.05498	.71453	5.4491	5.4704
SDev	.0018	.00006	.00006	.00120	.00160	.0116	.0126
%RSD	.10609	3.5694	.12052	2.1733	.22325	.21215	.22961

#1	1.7714	.00177	.05365	.05371	.71418	5.4571	5.4604
#2	1.7740	.00182	.05378	.05606	.71441	5.4540	5.4847
#3	1.7706	.00186	.05370	.05517	.71299	5.4359	5.4611

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.021871	.02615
SDev	.00418	.00221
%RSD	22.355	8.4711

#1	.02142	.02773
	.02081	.02362
	.01389	.02709

000157

Analysis Report

Wed 04-10-96 13:49:53 PM

Page: 1

Method: ICP Sample Name: 61166022

Operator: jmr

Run Time: 04/10/96 13:49:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	92.083	.70395	.35080	.32680	.00405	.00670	11.862
SDev	.141	.00022	.00283	.00024	.00001	.00009	.018
%RSD	.15357	.03090	.80597	.07440	.15976	1.3641	.15058

#1	91.962	.70419	.34756	.32681	.00405	.00670	11.852
#2	92.239	.70377	.35277	.32704	.00406	.00678	11.882
#3	92.049	.70388	.35207	.32655	.00404	.00660	11.851

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.76689	.12561	161.31	315.60	2.6331	9.2154	.09403
SDev	.00045	.00039	.16	.47	.0022	.0124	.00023
%RSD	.05820	.30893	.10134	.14933	.08187	.13415	.24861

#1	.76641	.12564	161.16	315.22	2.6342	9.2055	.09395
#2	.76730	.12598	161.48	316.14	2.6344	9.2292	.09429
#3	.76696	.12521	161.28	315.32	2.6306	9.2114	.09384

Elem	B_2664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6002	.00184	11.462	.02343	1.5792	.01305	1.1113
SDev	.0094	.00027	.028	.00095	.0469	.00091	.0012
%RSD	.36002	14.698	.24473	4.0607	2.9686	6.9666	.11131

#1	2.5894	.00163	11.433	.02233	1.5305	.01333	1.1110
#2	2.6063	.00215	11.490	.02402	1.6239	.01378	1.1137
#3	2.6048	.00176	11.464	.02393	1.5833	.01203	1.1102

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01199	.01201	.06465	.54521	1.1329	11.404	11.491
SDev	.00093	.00060	.00123	.00304	.0012	.025	.030
%RSD	7.7505	4.9751	1.9076	.55827	.10586	.21541	.26267

#1	.01136	.01400	.54842	1.1302	11.377	11.47
#2	.01253	.06389	.54485	1.1343	11.414	11.51
#3	.01214	.06607	.54237	1.1323	11.412	11.489

Elem	1960/2	1960/2
Units	ppm	ppm
Avg	.01199	.02880
SDev	.00093	.00110
%RSD	7.7505	3.8275

#1	.01113	.02755
#2	.01294	.02918
#3	.01173	.02966

200211

000157

Analytical Report

Date: 04/10/96 13:49:53

Page: 1

Method: ICP Sample Name: 51156022

Operator: Jml

Time: 04/10/96 13:49:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	92.083	.70395	.35080	.32680	.00405	.00670	11.862
SDev	.141	.00022	.00283	.00024	.00001	.00009	.018
%RSD	.15357	.03090	.80597	.07440	.15976	1.3641	.15058

#1	91.962	.70419	.34756	.32681	.00405	.00670	11.852
#2	92.239	.70377	.35277	.32704	.00406	.00678	11.882
#3	92.049	.70388	.35207	.32655	.00404	.00660	11.851

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.76689	.12561	161.31	315.60	2.6331	9.2154	.09403
SDev	.00045	.00039	.16	.47	.0022	.0124	.00023
%RSD	.05820	.30893	10134	.14933	.08187	.13415	.24861

#1	.76641	.12564	161.16	315.33	2.6342	9.2055	.09395
#2	.76730	.12598	161.48	316.14	2.6344	9.2292	.09429
#3	.76696	.12521	161.28	315.32	2.6306	9.2114	.09384

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6002	.00184	11.462	.02343	1.5792	.01305	1.1113
SDev	.0094	.00027	.028	.00095	.0469	.00091	.0012
%RSD	.36002	14.698	.24473	4.0607	2.9686	6.9666	.11131

#1	2.5894	.00163	11.433	.02233	1.5305	.01333	1.1110
#2	2.6063	.00215	11.490	.02402	1.6239	.01378	1.1137
#3	2.6048	.00176	11.464	.02393	1.5833	.01203	1.1102

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01201	.06465	.54521	1.1329	11.404	11.491	
SDev	.00060	.00123	.00304	.0012	.025	.030	
%RSD	4.9751	1.9076	.55827	.10586	.21541	.261.7	

#1	.01136	.06400	.54347	1.1322	11.377	11.489
#2	.01253	.06389	.54485	1.1343	11.414	11.517
#3	.01214	.06607	.54237	1.1323	11.412	11.489

Elem	1960/2
Units	ppm
Avge	.02880
SDev	.00110
%RSD	3.8275

#1	.01113
#2	.01294
#3	.01173

200212

U.S. EPA - CLP

3
BLANKSLab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
		1	C	2	C	3	C			
Aluminum										NR
Antimony										NR
Arsenic										NR
Barium										NR
Beryllium										NR
Calcium										NR
Chromium										NR
Cobalt										NR
Copper		2.5	B	2.5	B	12.5	B	0.350	B	P
Iron										NR
Lead		3.0	B	1.1	B	4.9	B	0.610		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

U.S. EPA - CLP

3
BLANKSLab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calibration Blank (ug/L)	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
		1	C	2	C	3	C			
Aluminum										NR
Antimony										NR
Arsenic										NR
Barium										NR
Beryllium										NR
Calcium										NR
Chromium										NR
Cobalt										NR
Copper		2.2	B	1.6	U	3.9	B			P
Iron										NR
Lead		2.4	B	2.7	B	2.1	B			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

U.S. EPA - CLP

3
BLANKSLab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank	
	C		1	C	2	C	3	C	C	M
Aluminum										NR
Antimony										NR
Arsenic										NR
Barium										NR
Beryllium										NR
Calcium										NR
Chromium										NR
Cobalt										NR
Copper	1.6	U	1.6	U	1.6	U	1.6	U		P
Iron										NR
Lead	1.0	U	1.7	B	1.2	B	1.1	B		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

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1ID Number: TJA61ICS Source: VENTURES

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	500000	500000	477640	492920.0	98.6	482830	484910.0	97.0
Antimony								
Arsenic								
Barium								
Beryllium								
Calcium	500000	500000	478020	501920.0	100.4	491610	501990.0	100.4
Chromium								
Cobalt								
Copper	0	500	12	539.4	107.9	14	552.8	110.6✓
Iron	200000	200000	187130	194010.0	97.0	192340	193850.0	96.9
Lead	0	1000	-2	936.5	93.6	-1	916.6	91.7✓
Magnesium	500000	500000	496400	509190.0	101.8	515230	513580.0	102.7
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: IEA NJ

Contract: _____

Lab Code: IEANJ Case No.: 61186SAS No.: _____ SDG No.: Z1-1ID Number: TJA61ICS Source: VENTURES

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	500000	500000	503650	508650.0	101.7	494810	496500.0	99.3
Antimony								
Arsenic								
Barium								
Beryllium								
Calcium	500000	500000	503420	518770.0	103.8	498890	507400.0	101.5
Chromium								
Cobalt								
Copper	0	500	13	544.8	109.0	13	529.6	105.9
Iron	200000	200000	198900	201850.0	100.9	196990	197740.0	98.9
Lead	0	1000	-2	933.2	93.3	-1	917.2	91.7
Magnesium	500000	500000	518310	519870.0	104.0	511150	509050.0	101.8
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

Sample Report

Wed 04/10/96 02:00:01 PM

Page 1

Method: TAL Sample Name: pbewg4301

Operator: Job

Run Time: 04/10/96 13:55:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13348	.00145	.00147	.00039	.00022	-.00003	-.06952
SDev	.00300	.00116	.00193	.00006	.00001	.00001	.00129
%RSD	2.2492	79.900	130.98	15.327	3.4309	38.882	1.8583
#1	.13609	.00102	.00367	.00036	.00023	-.00004	-.06825
#2	.13415	.00057	.00003	.00036	.00022	-.00002	-.06947
#3	.13020	.00276	.00073	.00046	.00021	-.00004	-.07083
Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00021	.00012	.04381 ^{10/3}	.03401	-.00871	.00424	-.00001
SDev	.00019	.00032	.00441 ⁸	.00404	.00405	.00071	.00026
%RSD	91.445	265.125	10.078	11.874	46.472	16.742	1857.7
#1	-.00043	-.00023	.04652	.03808	-.01274	.00494	.00011
#2	-.00008	.00019	.04619	.03396	-.00464	.00427	.00016
#3	-.00011	.00040	.03871	.03000	-.00877	.00352	-.00032
Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97416	-.00011	.00610	-.00062	1.0008	.00112	.00040
SDev	.01770	.00014	.00082	.00200	.0309	.00135	.00020
%RSD	1.8169	133.88	13.401	322.73	3.0871	120.55	51.116
#1	.99378	-.00026	.00686	-.00088	1.0357	-.00014	.00020
#2	.95939	.00002	.00622	.00150	.97677	.00095	.00060
#3	.96931	-.00008	.00524	-.00248	.99008	.00255	.00040
Elem	Zn0062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00966	.00139	-.00012	.00776	.00064	.00639	.00552
SDev	.00002	.00027	.00043	.00044	.00010	.00229	.00139
%RSD	.34943	19.554	358.71	5.6691	14.754	35.780	25.175
#1	.00987	.00137	-.00040	.00835	.00054	.00554	.00707
#2	.00969	.00170	-.00033	.00762	.00077	.00897	.00439
#3	.00960	.00126	.00037	.00740	.00065	.00464	.00509
Elem	1960/1	1960/2					
Units	ppm	ppm					
Avg	-.00578	.00154					
SDev	.00289	.00201					
%RSD	50.194	130.106					
#1	-.00798	.00226					
#2	-.00249	.00310					
#3	-.00678	-.00072					

Method: IAL Sample Name: 100001251

Operator: jmb

Run Time: 04/10/99 14:00:30

Parent:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8451	.47410	.03837	1.9068	.04877	.04536	9.2160
SDev	.0259	.00710	.00131	.0245	.00072	.00052	.1326
%RSD	1.4022	1.4967	3.4051	1.2859	1.4655	1.1484	1.4387

#1	1.8750	.48228	.03940	1.9351	.04959	.04594	9.3676
#2	1.8292	.46965	.03690	1.8919	.04824	.04492	9.1218
#3	1.8312	.47037	.03881	1.8935	.04849	.04522	9.1585

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19234	.46494	.26338	.86016	9.0694	.46400	.46772
SDev	.00280	.00655	.00593	.02099	.1279	.00622	.00643
%RSD	1.4549	1.4096	2.2504	2.4405	1.4100	1.3402	1.3742

#1	.19549	.47249	.27020	.88429	9.2171	.47112	.47511
#2	.19014	.46069	.26042	.84606	8.9929	.45965	.46349
#3	.19140	.46164	.25952	.85014	8.9983	.46122	.46454

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.712	.04702	.46718	.00686	9.3577	.04767	.49045
SDev	.257	.00064	.00629	.00108	.4322	.00213	.00665
%RSD	1.6370	1.3543	1.3456	15.760	4.6185	4.4683	1.3553

#1	15.986	.04773	.47426	.00643	9.8334	.05010	.49812
#2	15.476	.04651	.46327	.00607	8.9891	.04675	.48631
#3	15.675	.04682	.46500	.00810	9.2506	.04615	.48692

Elem	Zn2062	B_2496	Mn2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47081	.47835	.47445	.49709	.50559	.46509	.46760
SDev	.00637	.00557	.00588	.00949	.00649	.01037	.00418
%RSD	1.4537	1.1649	1.2403	1.9092	1.2830	2.2271	.89310

#1	.47857	.48473	.48121	.50730	.51308	.47710	.47218
#2	.46549	.47500	.46385	.48657	.50153	.45920	.46386
#3	.46836	.47407	.47326	.49539	.50218	.45945	.46737

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00750	.00618
SDev	.00251	.00203
%RSD	33.464	32.856

#1	.01019	.00420
#2	.00523	.00609
#3	.00707	.00826

Method: TAL Sample Name: 200220

Operator: jmb

Time: 04-10-95 14:05:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	89.173	.03569	.35783	.15891	.00425	.00394	13.711
SDev	.226	.00204	.00312	.00018	.00004	.00015	.034
%RSD	.25370	5.7084	.87131	.11121	.87533	3.7071	.24455

#1	88.913	.03543	.36143	.15871	.00422	.00408	13.684
#2	89.318	.03785	.35596	.15903	.00430	.00379	13.749
#3	89.289	.03380	.35610	.15898	.00424	.00396	13.700

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.81108	.13513	1.0101	341.44	2.7039	11.162	.10183
SDev	.00188	.00052	.0005	.92	.0062	.023	.00076
%RSD	.23189	.38112	.05019	.27060	.22939	.20671	.75114

#1	.80966	.13460	1.0097	340.54	2.6968	11.144	.10176
#2	.81321	.13563	1.0099	342.39	2.7075	11.188	.10263
#3	.81036	.13517	1.0107	341.39	2.7076	11.154	.10110

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0512	-.00103	2.7441	.02673	1.4025	.01477	1.1844
SDev	.0248	.00005	.0140	.00387	.1030	.00140	.0023
%RSD	.81252	4.7958	.51052	14.468	7.3419	9.4750	.19766

#1	3.0342	-.00098	2.7295	.02939	1.3210	.01627	1.1820
#2	3.0797	-.00108	2.7574	.02650	1.5182	.01454	1.1867
#3	3.0399	-.00104	2.7454	.02229	1.3684	.01350	1.1843

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45065	.00401	.05957	.04420	.80898	2.7333	2.7490
SDev	.00138	.00056	.00076	.00229	.00108	.0140	.0140
%RSD	.30640	13.922	1.2802	5.1862	.13292	.51226	.50968

#1	.44940	.00350	.06042	.04388	.80807	2.7147	2.7314
#2	.45022	.00463	.05934	.04211	.81014	2.7466	2.7503
#3	.45009	.00388	.05895	.04665	.80878	2.7346	2.7504

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.01773	.03084
SDev	.00596	.00287
%RSD	33.614	9.3112

#1	.02110	.03315
#2	.02123	.03174
#3	.01085	.02763

Date: 04-10-96

Wed 04-10-96 02:15:13 PM

page 1

Sample Name: A110002100

Operator: jmb

Time: 04/10/96 14:10:14

Comments:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	107.42	.35899	.42567	2.0677	.05122	.04685	20.974
SDev	.11	.00197	.00766	.0018	.00003	.00033	.017
%RSD	.10092	.54919	1.7984	.08893	.05229	.70642	.08101

#1	107.54	.35911	.43370	2.0694	.05124	.04722	20.990
#2	107.40	.36090	.41846	2.0680	.05123	.04673	20.977
#3	107.32	.35696	.42486	2.0657	.05119	.04658	20.956

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0166	.59279	1.1479	359.22	11.512	14.224	.53540
SDev	.0007	.00078	.0015	.21	.010	.010	.00155
%RSD	.06889	.13096	.13503	.05825	.08535	.07082	.28889

#1	1.0174	.59321	1.1489	359.39	11.523	14.231	.53474
#2	1.0164	.59327	1.1487	359.28	11.508	14.229	.53429
#3	1.0160	.59190	1.1461	358.99	11.505	14.213	.53716

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.255	.04324	2.6990	.03860	9.5635	.06262	1.7241
SDev	.006	.00021	.0024	.00161	.0490	.00314	.0010
%RSD	.02753	.48162	.08781	4.1795	.51193	5.0207	.05807

#1	20.261	.04309	2.6963	.03705	9.5682	.06091	1.7249
#2	20.255	.04348	2.7004	.04027	9.6100	.06070	1.7245
#3	20.250	.04315	2.7004	.03848	9.5124	.06625	1.7230

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.86533	.39923	.48555	.49309	1.5826	2.6884	2.7039
SDev	.00040	.00044	.00078	.00234	.0023	.0063	.0020
%RSD	.04594	.10955	.16121	.47550	.14286	.23261	.07435

#1	.86516	.39960	.48509	.49167	1.5851	2.6829	2.7025
#2	.86505	.39875	.48646	.49579	1.5818	2.6949	2.7028
#3	.86579	.39935	.48512	.49179	1.5808	2.6877	2.7063

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.02506	.04499
SDev	.00235	.00130
%RSD	9.3717	2.8968

#1	.02320	.04359
#2	.02770	.04617
#3	.02429	.04520

Analytical Report QC Standard

Wed Oct 10-PM 02:20:17 PM

page 1

Method: TAL Sample Name: ccv

Operator: jmb

Time: 04/10/96 14:15:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.773	5.1291	5.1294	5.0879	5.3060	4.7816	49.278
SDev	.244	.0160	.0191	.0193	.0200	.0137	.155
%RSD	.51138	.31250	.37295	.37993	.37786	.28577	.31429

#1	48.042	5.1438	5.1433	5.1063	5.3272	4.7947	49.451
#2	47.714	5.1315	5.1373	5.0896	5.3032	4.7827	49.230
#3	47.564	5.1120	5.1076	5.0677	5.2874	4.7674	49.153

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0975	4.9147	5.1698	53.345	49.880	4.7763	4.8612
SDev	.0160	.0159	.0245	.202	.197	.0126	.0115
%RSD	.31401	.32351	.47365	.37834	.39491	.26401	.23674

#1	5.1152	4.9313	5.1942	53.568	50.090	4.7897	4.8743
#2	5.0934	4.9133	5.1700	53.290	49.852	4.7745	4.8568
#3	5.0840	4.8996	5.1452	53.176	49.699	4.7647	4.8526

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.698	.50532	4.9093	5.0572	52.153	4.8955	5.1449
SDev	.385	.00166	.0322	.0271	.284	.0076	.0154
%RSD	.78997	.32906	.65505	.53527	.54433	.15458	.29879

#1	49.141	.50724	4.9464	5.0882	52.478	4.9040	5.1612
#2	48.456	.50445	4.8899	5.0451	51.952	4.8926	5.1429
#3	48.496	.50428	4.8916	5.0382	52.029	4.8898	5.1307

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.8499	5.3449	5.0221	5.1420	5.2854	4.8755	4.9257
SDev	.0117	.0173	.0101	.0270	.0163	.0221	.0375
%RSD	.24060	.32448	.20210	.52523	.30880	.45218	.76176

#1	4.8437	5.3618	5.0305	5.1725	5.3019	4.9005	4.9689
#2	4.8444	5.3458	5.0142	5.1323	5.2850	4.8671	4.9006
#3	4.8421	5.3271	5.0186	5.1211	5.2693	4.8589	4.9075

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	5.0850	5.0429
SDev	.0156	.0345
%RSD	.30595	.68389

#1	5.0983	5.0827
#2	5.0867	5.0229
#3	5.0679	5.0230

Analysis Report

Wed 04-10-93 00:26:41 PM

page 1

Method: IAL

Sample Name: ccb ✓

Operator: JAL

Run Time: 04/10/93 14:21:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10866	.00219	.00220	.00155	.00172	.00134	-.11774
SDev	.00490	.00030	.00191	.00038	.00035	.00033	.00348
%RSD	4.5055	13.776	86.852	24.194	20.430	24.556	2.9525

#1	.11146	.00251	.00289	.00189	.00200	.00159	-.11468
#2	.11153	.00216	.00004	.00161	.00183	.00148	-.11702
#3	.10301	.00191	.00367	.00115	.00133	.00097	-.12152

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00061	.00135	.00224	-.06499	-.00905	.00228	.00112
SDev	.00047	.00028	.00048	.00956	.00726	.00046	.00025
%RSD	77.100	20.956	21.392	14.710	80.163	20.179	22.338

#1	.00102	.00148	.00266	-.05690	-.00771	.00272	.00125
#2	.00071	.00155	.00234	-.06254	-.00256	.00233	.00128
#3	.00010	.00103	.00172	-.07554	-.01689	.00180	.00083

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99021	.00012	.00237	.00004	H1.0428	.00640	.00157
SDev	.04614	.00032	.00040	.00108	.2389	.00209	.00040
%RSD	4.6598	267.07	17.022	2850.0	22.909	32.721	25.177

#1	.96045	-.00008	.00267	.00083	.88424	.00877	.00174
#2	H1.0434	.00049	.00253	-.00119	H1.3176	.00564	.00186
#3	.96681	-.00005	.00191	.00047	.92660	.00479	.00112

Elem	Zn2062	B_2496	Mn2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00145	.00666	.00259	.00108	.00154	.00354	.00134
SDev	.00050	.00143	.00061	.00058	.00040	.00123	.00002
%RSD	35.679	21.423	23.657	53.550	26.193	34.880	1.1944

#1	.00183	.00757	.00310	.00115	.00165	.00441	.00132
#2	.00165	.00739	.00276	.00162	.00168	.00399	.00135
#3	.00086	.00501	.00191	.00047	.00109	.00214	.00136

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.000200	.00065
SDev	.000257	.00036
%RSD	128.67	54.188

#1	-.00031	.00100
#2	-.00495	.00029
#3	-.00072	.00063

Anal File: 100001

02/20/96 10:30:02 AM

Method: TAL Sample Name: 61180023dup

Operator: jmb

Run Time: 04/10/96 14:26:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	78.448	.04956	.33708	.13778	.00410	.00369	11.946
SDev	.145	.00055	.00328	.00030	.00004	.00005	.022
%RSD	.18470	1.1016	.97148	.21486	1.0483	1.3353	.18049

#1	78.546	.04976	.33912	.13806	.00415	.00368	11.968
#2	78.282	.04998	.33330	.13747	.00409	.00364	11.925
#3	78.517	.04894	.33881	.13780	.00407	.00374	11.944

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.80089	.12003	.97794	311.66	2.4082	9.4366	.08578
SDev	.00160	.00034	.00280	.55	.0080	.0160	.00034
%RSD	.19970	.28387	.28613	.17570	.33182	.17000	.40151

#1	.80255	.12036	.98049	312.22	2.4173	9.4533	.08616
#2	.79936	.12004	.97495	311.13	2.4026	9.4213	.08548
#3	.80076	.11968	.97837	311.64	2.4046	9.4352	.08572

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7752	-.00080	2.6227	.02429	1.0426	.01490	1.0972
SDev	.0055	.00020	.0089	.00197	.0213	.00139	.0017
%RSD	.19795	24.627	.33813	8.1045	2.0472	9.2989	.15544

#1	2.7754	-.00063	2.6320	.02254	1.0181	.01415	1.0990
#2	2.7696	-.00102	2.6144	.02391	1.0521	.01406	1.0956
#3	2.7806	-.00076	2.6218	.02643	1.0575	.01650	1.0971

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39481	.00355	.05608	.04772	.78848	2.6044	2.6314
SDev	.00096	.00059	.00068	.00115	.00235	.0073	.0104
%RSD	.24331	16.602	1.2052	2.4066	.29801	.27874	.39431

#1	.39572	.00349	.05583	.04730	.78086	2.6090	2.6430
#2	.39386	.00416	.05590	.04683	.78616	2.5960	2.6231
#3	.39479	.00299	.05552	.04901	.78843	2.6080	2.6282

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.01079	.03066
SDev	.00159	.00230
%RSD	14.770	7.4993

#1	.00898	.02895
#2	.01144	.02976
#3	.01196	.03327

Sample Name: 10000000

Date: 04/10/99 09:05:47 PM

Page: 1

Batch: 10000000 Sample Name: 10000000

Operator: jmb

Run Time: 04/10/99 14:31:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17.913	.00844	.07280	.03219	.00105	.00132	2.7050
SDev	.031	.00067	.00125	.00014	.00004	.00004	.0087
%RSD	.17185	7.8918	1.7187	.42583	3.6885	2.8435	.32129

#1	17.946	.00817	.07161	.03233	.00110	.00133	2.7147
#2	17.886	.00795	.07268	.03206	.00104	.00127	2.6981
#3	17.907	.00920	.07410	.03216	.00103	.00134	2.7021

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16478	.02780	.20112	63.645	.54585	2.3560	.02120
SDev	.00049	.00032	.00084	.183	.00293	.0055	.00021
%RSD	.29784	1.1634	.41804	.28709	.53605	.23416	.97890

#1	.16534	.02817	.20200	63.848	.54920	2.3619	.02141
#2	.16449	.02768	.20033	63.495	.54450	2.3510	.02099
#3	.16450	.02756	.20103	63.591	.54384	2.3552	.02120

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2035	.00002	.57242	.00404	.67292	.00607	.23839
SDev	.0216	.00047	.00449	.00147	.17119	.00173	.00063
%RSD	1.7911	1971.1	.78503	36.537	25.440	28.466	.26212

#1	1.2264	.00053	.57738	.00462	.86830	.00478	.23910
#2	1.1836	-.00006	.56862	.00513	.54923	.00540	.23794
#3	1.2007	-.00040	.57126	.00236	.60124	.00803	.23814

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08810	.00235	.01161	.00916	.16441	.56914	.57362
SDev	.00050	.00082	.00054	.00067	.00056	.00453	.00452
%RSD	.56834	34.760	4.6806	7.2787	.33746	.79617	.78828

#1	.08865	.00323	.01111	.00918	.16465	.57381	.57370
#2	.06767	.00182	.01219	.00920	.16378	.56476	.57012
#3	.08798	.00195	.01151	.00981	.16480	.56886	.57202

Elem	1860/1	1860/2
Units	ppm	ppm
Avge	.00658	.00238
SDev	.00377	.00160
%RSD	57.313	67.203

#1	.01053	.00128
#2	.00618	.00422
#3	.00302	.00164

11/10/98 14:11:51 PM

page 1

Method: 101 Sample Name: 6118e024

Operator: jmb

Run Time: 04/10/98 14:38:52

Element:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	65.250	.03688	.24759	.23341	.00454	.00535	20.145
SDev	.074	.00113	.00240	.00016	.00002	.00009	.032
%RSD	.11407	3.0788	.96868	.06883	.37423	1.6573	.15828

#1	65.322	.03591	.24508	.23341	.00456	.00543	20.182
#2	65.253	.03813	.24781	.23357	.00453	.00537	20.131
#3	65.174	.03659	.24987	.23325	.00453	.00525	20.123

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.56752	.15107	5.4596	248.34	2.8317	12.239	.08784
SDev	.00110	.00026	.0062	.34	.0081	.018	.00026
%RSD	.19398	.17519	.11434	.13693	.28583	.15033	.30151

#1	.56876	.15126	5.4633	248.73	2.8409	12.259	.08764
#2	.56713	.15076	5.4631	248.21	2.8284	12.234	.08814
#3	.56665	.15113	5.4524	248.09	2.8257	12.223	.08773

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0965	-.00132	3.5202	.01759	.19360	.01632	.85564
SDev	.0149	.00042	.0148	.00157	.09916	.00277	.00105
%RSD	.71027	31.732	.41970	8.9324	51.220	16.999	.12294

#1	2.1137	-.00083	3.5356	.01645	.30434	.01924	.85684
#2	2.0870	-.00156	3.5189	.01694	.11304	.01598	.85493
#3	2.0889	-.00156	3.5061	.01938	.16341	.01373	.85514

Elem	Sn2062	B_2496	Mo2020	Sr1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.53953	.00251	.04499	.09617	.48204	3.4923	3.5337
SDev	.00146	.00024	.00041	.00080	.00082	.0141	.0154
%RSD	.27066	9.6140	.92118	.82917	.17100	.40273	.43612

#1	.54119	.00279	.04524	.09596	.48268	3.5082	3.5406
#2	.53999	.00237	.04451	.09706	.48202	3.4873	3.5343
#3	.53843	.00237	.04522	.09551	.48123	3.4814	3.5180

Elem	1860/1	1860/2
Units	ppm	ppm
Avge	.01306	.01949
SDev	.00263	.00351
%RSD	20.137	18.022

#1	.01598	.01633
#2	.01232	.01889
#3	.01088	.02327

Analytical Report

UCL 04-10-96 02:10:55 PM

page 1

Method: TAL Sample Name: 61186025

Operator: jmb

Run Time: 04/10/96 14:41:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	54.477	.01249	.19931	.22873	.00329	.00498	31.325
SD	.032	.00160	.00304	.00007	.00002	.00005	.032
%RSD	.05952	12.831	1.5270	.03283	.50550	.96792	.10105

#1	54.466	.01174	.19772	.22865	.00327	.00492	31.289
#2	54.513	.01140	.20282	.22880	.00328	.00501	31.346
#3	54.451	.01433	.19740	.22873	.00330	.00500	31.341

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.46776	.10409	.28870	219.23	3.5354	12.655	.08633
SD	.00058	.00014	.00012	.16	.0017	.012	.00020
%RSD	.12368	.13708	.04144	.07515	.04747	.09208	.23302

#1	.46712	.10404	.28881	219.04	3.5341	12.642	.08610
#2	.46791	.10398	.28872	219.34	3.5348	12.661	.08648
#3	.46825	.10425	.28857	219.31	3.5373	12.663	.08639

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2535	-.00175	1.8314	.01683	.07729	.01406	.66230
SD	.0112	.00014	.0043	.00331	.06268	.00017	.00060
%RSD	.34532	7.9874	.23508	19.664	81.092	1.2052	.09024

#1	3.2442	-.00190	1.8288	.01583	.00496	.01391	.66196
#2	3.2504	-.00172	1.8290	.01414	.11548	.01403	.66299
#3	3.2660	-.00162	1.8364	.02053	.11145	.01425	.66196

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.33288	.00198	.04269	.04396	.38455	1.8180	1.8376
SD	.00051	.00064	.00013	.00085	.00055	.0043	.0043
%RSD	.15259	32.180	.30639	1.9338	.14191	.23614	.23613

#1	.33250	.00145	.04255	.04494	.38395	1.8160	1.8347
#2	.33347	.00181	.04274	.04349	.38501	1.8151	1.8356
#3	.33266	.00269	.04279	.04344	.38470	1.8229	1.8426

Elem	1060/1	1060/2
Units	ppm	ppm
Avg	.01209	.01885
SD	.00206	.00404
%RSD	17.019	21.406

#1	.01063	.01809
#2	.01121	.01525
#3	.01445	.02321

Data File: 000167

Wed 04-10-96 02:51:50 PM

Page 1

Method: 31 Sample Name: 61186026

Operator: jmb

Time: 04/10/96 14:47:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.177	.01183	.14596	.07546	.00223	.00335	36.908
SDev	.033	.00070	.00382	.00007	.00000	.00005	.027
%RSD	.06911	5.9262	2.6180	.09855	.13357	1.3451	.07207

#1	48.179	.01125	.15037	.07547	.00223	.00340	36.878
#2	48.209	.01162	.14381	.07553	.00224	.00334	36.918
#3	48.143	.01261	.14369	.07538	.00223	.00332	36.929

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.29748	.03555	.21357	123.58	4.4429	3.5378	.05940
SDev	.00021	.00010	.00050	.06	.0061	.0034	.00020
%RSD	.07093	.27298	.23244	.04872	.13756	.09661	.33875

#1	.29730	.03559	.21334	123.53	4.4498	3.5341	.05930
#2	.29744	.03544	.21413	123.57	4.4405	3.5386	.05926
#3	.29771	.03563	.21322	123.65	4.4383	3.5408	.05963

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5387	-.00054	.29558	.00665	.63227	.00687	.38521
SDev	.0098	.00010	.00104	.00272	.03186	.00259	.00023
%RSD	.38483	19.109	.35193	40.867	5.0395	37.724	.06029

#1	2.5292	-.00042	.29554	.00435	.61825	.00605	.38547
#2	2.5382	-.00059	.29663	.00596	.60982	.00978	.38511
#3	2.5487	-.00062	.29455	.00965	.66874	.00479	.38504

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20309	.01517	.02873	.01120	.30493	.29814	.29389
SDev	.00038	.00017	.00030	.00023	.00008	.00167	.00156
%RSD	.18559	1.1447	1.0302	2.0639	.02564	.55931	.53223

#1	.20281	.01520	.02900	.01102	.30500	.29998	.29821
#2	.20294	.01498	.02877	.01111	.30494	.29771	.29500
#3	.20352	.01532	.02842	.01146	.30434	.29673	.29306

Elem	2002/1	2002/2
Units	ppm	ppm
Avge	.00536	.00544
SDev	.00290	.00299
%RSD	45.576	46.443

#1	.00560	.00336
#2	.00392	.00662
#3	.00957	.00933

Analysis Report

Wed 04-10-96 02:57:03 PM

Page 1

Method: TAL Sample Name: 61186027

Operator: Job

n Time: 04/10/96 14:52:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.051	.02348	.17320	.14314	.00308	.00429	206.43
SDev	.071	.00093	.00295	.00008	.00002	.00006	.40
%RSD	.14276	3.9482	1.7057	.05772	.55146	1.5163	.19578

#1	49.981	.02410	.17628	.14308	.00308	.00435	205.98
#2	50.124	.02241	.17040	.14323	.00310	.00431	206.76
#3	50.049	.02392	.17291	.14310	.00307	.00422	206.54

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.35413	.04587	3.0486	148.31	4.5397	4.4269	.06711
SDev	.00085	.00019	.0034	.21	.0045	.0075	.00006
%RSD	.23898	.41034	.11061	.14116	.09943	.17020	.08447

#1	.35318	.04567	3.0461	148.07	4.5345	4.4185	.06713
#2	.35481	.04589	3.0524	148.48	4.5427	4.4329	.06715
#3	.35440	.04605	3.0471	148.36	4.5419	4.4294	.06705

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.9905	-.00065	1.9001	.00523	.59571	.00623	.49053
SDev	.0117	.00022	.0032	.00181	.04807	.00275	.00079
%RSD	.39071	33.297	.16591	34.656	8.0694	44.208	.16118

#1	2.9771	-.00089	1.8965	.00346	.54027	.00348	.48970
#2	2.9981	-.00049	1.9016	.00516	.62099	.00622	.49127
#3	2.9964	-.00055	1.9023	.00708	.62586	.00898	.49062

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.63248	.00740	.02661	.06387	.32330	1.8877	1.9059
SDev	.00160	.00059	.00064	.00058	.00013	.0049	.0033
%RSD	.25348	7.9177	2.4240	.90686	.04145	.26166	.17407

#1	.63084	.00687	.02660	.06439	.32316	1.8881	1.9028
#2	.63352	.00803	.02654	.06324	.32343	1.8929	1.9055
#3	.63330	.00730	.02728	.06396	.32332	1.8873	1.9094

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00270	.00615
SDev	.00509	.00474
%RSD	187.21	77.051

#1	.00346	.00311
#2	.00739	.00374
#3	-.00270	.01162

Analysis Report

Wed 04-10-96 03:02:00 PM

page 1

Method: TAL

Sample Name: A1186028

Operator: jmb

Run Time: 04/10/96 14:57:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	69.165	.03840	.26014	.24586	.00447	.00505	46.179
SDev	1.080	.00188	.00765	.00394	.00012	.00009	.758
%RSD	1.5610	4.8856	2.9421	1.6028	2.6177	1.8071	1.6414

#1	68.625	.03772	.25237	.24370	.00442	.00498	45.807
#2	68.462	.03696	.26039	.24347	.00439	.00501	45.680
#3	70.408	.04052	.26767	.25041	.00461	.00515	47.051

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.58458	.08940	10.417	246.89	4.0878	9.4732	.08937
SDev	.00934	.00149	.159	4.25	.0630	.1483	.00148
%RSD	1.5981	1.6636	1.5239	1.7212	1.5408	1.5658	1.6590

#1	.57981	.08836	10.336	244.73	4.0548	9.3970	.08875
#2	.57859	.08874	10.314	244.15	4.0481	9.3774	.08830
#3	.59534	.09110	10.599	251.78	4.1604	9.6441	.09106

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.8378	-.00113	2.1165	.01601	.27397	.01396	.85102
SDev	.0744	.00020	.0380	.00060	.22104	.00109	.01361
%RSD	2.6217	17.673	1.7965	3.7745	80.683	7.8015	1.5989

#1	2.8070	-.00136	2.0986	.01664	.17311	.01346	.84364
#2	2.7837	-.00103	2.0908	.01595	.12134	.01521	.84269
#3	2.9226	-.00100	2.1602	.01544	.52745	.01321	.86672

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.59226	.00753	.04333	.06439	.53202	2.1058	2.1215
SDev	.00983	.00107	.00099	.00073	.00867	.0372	.0385
%RSD	1.6600	14.237	2.2749	1.1326	1.6296	1.7646	1.8125

#1	.59771	.00753	.04333	.06518	.53756	2.0678	2.1015
#2	.59592	.00647	.04254	.06426	.52648	2.0810	2.0957
#3	.60354	.00861	.04446	.06374	.54201	2.1485	2.1656

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00977	.01878
SDev	.00298	.00120
%RSD	30.461	6.3710

#1	.01272	.01822
#2	.00684	.02016
#3	.00967	.01797

Analysis Report

Wed 04-10-96 03:07:12 PM

page 1

Method: TAL Sample Name: 01106009

Operator: jmb

Time: 04/10/96 15:02:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	64.718	.01653	.16538	.14691	.00297	.00548	197.87
SDev	.221	.00072	.00360	.00029	.00001	.00005	.57
%RSD	.34092	4.3295	2.1744	.19501	.43832	.86530	.28816

#1	64.917	.01675	.16124	.14713	.00299	.00554	198.46
#2	64.756	.01711	.16714	.14702	.00297	.00547	197.83
#3	64.481	.01573	.16776	.14659	.00296	.00544	197.33

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.31317	.04666	.50609	135.42	5.6560	6.1203	.08192
SDev	.00084	.00003	.00178	.38	.0165	.0147	.00011
%RSD	.26880	.05346	.35209	.28014	.29145	.24019	.13397

#1	.31396	.04667	.50304	135.82	5.6669	6.1340	.08193
#2	.31328	.04663	.50567	135.39	5.6641	6.1221	.08203
#3	.31228	.04668	.50455	135.06	5.6370	6.1047	.08181

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.9347	-.00045	.45325	.00741	.91238	.00544	.47350
SDev	.0304	.00013	.00254	.00179	.08945	.00145	.00114
%RSD	.77380	28.198	.55980	24.146	9.8039	26.601	.24161

#1	3.9695	-.00057	.45608	.00888	1.0092	.00578	.47462
#2	3.9213	-.00045	.45247	.00542	.83273	.00386	.47354
#3	3.9131	-.00032	.45119	.00793	.89526	.00669	.47233

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.31685	.01392	.02535	.01879	.33714	.45530	.45182
SDev	.00078	.00035	.00111	.00045	.00098	.00344	.00223
%RSD	.24639	2.5048	4.3702	2.3903	.29119	.75507	.49397

#1	.31772	.01421	.02522	.01918	.33815	.45906	.45173
#2	.31659	.01365	.02413	.01869	.33709	.45313	.45171
#3	.31623	.01361	.02565	.01830	.33619	.45351	.44963

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00749	.00701
SDev	.00237	.00279
%RSD	31.580	39.774

#1	.00965	.00814
#2	.00787	.00384
#3	.00496	.00906

Analysis Report

Wed 04-10-26 00:13:16 PM

page 1

Method: IAL Sample Name: 61186000

Operator: jmb

Run Time: 04/10/26 15:07:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	59.080	.11074	.26069	.20269	.00361	.00584	17.480
SDev	.104	.00119	.00095	.00026	.00002	.00006	.029
%RSD	.17655	1.0707	.36370	.12814	.53371	1.0747	.16626

#1	59.193	.11197	.26165	.20299	.00363	.00591	17.512
#2	59.061	.11063	.26068	.20255	.00359	.00580	17.455
#3	58.987	.10961	.25975	.20253	.00360	.00581	17.472

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.59495	.09698	1.2055	234.08	2.9773	10.553	.08303
SDev	.00153	.00018	.0012	.35	.0055	.014	.00031
%RSD	.25678	.18240	.09573	.14985	.18402	.13444	.37135

#1	.59660	.09696	1.2066	234.48	2.9835	10.569	.08269
#2	.59364	.09716	1.2054	233.82	2.9730	10.543	.08329
#3	.59459	.09681	1.2043	233.95	2.9754	10.547	.08310

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.2666	-.00130	16.305	.01502	-.19349	.01471	.86346
SDev	.0064	.00012	.035	.00116	.02822	.00145	.00102
%RSD	.28026	9.5822	.21489	7.7380	14.585	9.8689	.11789

#1	2.2732	-.00144	16.328	.01460	-.22379	.01578	.86454
#2	2.2606	-.00123	16.322	.01413	-.18874	.01305	.86252
#3	2.2659	-.00123	16.265	.01634	-.16795	.01529	.86331

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51173	-.00104	.04611	.05555	.53981	16.131	16.392
SDev	.00130	.00043	.00100	.00064	.00111	.025	.040
%RSD	.25829	41.501	2.1776	1.1462	.20629	.15734	.24331

#1	.51325	-.00062	.04672	.05502	.53977	16.147	16.410
#2	.51105	-.00148	.04495	.05538	.54095	16.144	16.410
#3	.51088	-.00102	.04666	.05626	.53872	16.102	16.346

Elem	1860/1	1860/2
Units	ppm	ppm
Avg	.00935	.01751
SDev	.00135	.00238
%RSD	14.404	13.589

#1	.01035	.01638
#2	.00968	.01591
#3	.00782	.02025

Analytical Report

Date: 04-10-96 03:17:31 PM

Page 1

Sample Name: 118500

Operator: jmb

Run Time: 04/10/96 15:12:11

mm.mt:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	61.546	.01641	.23756	.10472	.00377	.00275	20.300
SDev	.047	.00161	.00347	.00008	.00000	.00012	.013
%RSD	.07696	9.8231	1.4625	.07379	.07373	4.5031	.06349

#1	61.567	.01568	.23441	.10480	.00377	.00289	20.314
#2	61.580	.01826	.24129	.10464	.00377	.00271	20.297
#3	61.492	.01530	.23700	.10472	.00376	.00266	20.288

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.55572	.11446	.43615	234.32	2.4055	8.5234	.07190
SDev	.00026	.00009	.00052	.09	.0055	.0009	.00036
%RSD	.04712	.07703	.11868	.03934	.22840	.01033	.50410

#1	.55602	.11455	.43601	234.34	2.4115	8.5225	.07196
#2	.55559	.11443	.43673	234.22	2.4041	8.5237	.07152
#3	.55555	.11438	.43572	234.41	2.4007	8.5242	.07224

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0849	-.00141	.39170	.01768	.71654	.00982	.79393
SDev	.0093	.00028	.00161	.00174	.04442	.00105	.00040
%RSD	.44597	19.563	.41095	9.8562	6.1996	10.692	.05102

#1	2.0934	-.00115	.39331	.01597	.76209	.01103	.79439
#2	2.0864	-.00170	.39169	.01763	.71417	.00920	.79371
#3	2.0750	-.00138	.39009	.01945	.67334	.00923	.79367

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.26692	.00454	.04054	.02593	.51257	.39249	.39084
SDev	.00036	.00024	.00049	.00031	.00137	.00132	.00176
%RSD	.13636	5.3019	1.2140	1.2024	.26785	.33641	.45024

#1	.26650	.00407	.04084	.02601	.51412	.39371	.39263
#2	.26711	.00460	.04080	.02598	.51209	.39266	.39075
#3	.26715	.00474	.03997	.02559	.51150	.39109	.38913

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.01259	.01985
SDev	.00212	.00199
%RSD	16.822	10.007

#1	.01197	.01760
#2	.01086	.02064
#3	.01495	.02133

Analysis Report

QC Standard

Lab 04 10-96 00:00:25 PM

Page 1

Method: TAL

Sample Name: cov r

Operator: Jabo

Run Time: 04/10/96 15:17:25

Element:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.034	5.0367	5.0254	5.0426	5.1975	4.7069	48.396
SDev	.624	.0607	.0664	.0659	.0696	.0570	.605
%RSD	1.3275	1.2053	1.3215	1.3073	1.3392	1.2099	1.2492

#1	47.755	5.1067	5.1021	5.1187	5.2776	4.7725	49.091
#2	46.695	4.9987	4.9893	5.0028	5.1629	4.6782	48.102
#3	46.652	5.0047	4.9850	5.0062	5.1520	4.6700	47.994

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0297	4.8345	5.0789	52.515	49.169	4.6892	4.7888
SDev	.0630	.0608	.0690	.669	.599	.0577	.0611
%RSD	1.2530	1.2583	1.3576	1.2745	1.2193	1.2297	1.2769

#1	5.1024	4.9046	5.1585	53.287	49.861	4.7557	4.8594
#2	4.9963	4.8033	5.0373	52.165	48.800	4.6581	4.7558
#3	4.9904	4.7955	5.0410	52.093	48.846	4.6538	4.7512

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.006	.50001	4.8279	4.9449	52.012	4.7839	5.0723
SDev	.787	.00621	.0612	.0603	.723	.0392	.0641
%RSD	1.6399	1.2427	1.2679	1.2197	1.3898	.81892	1.2643

#1	48.871	.50718	4.8965	5.0138	52.832	4.8283	5.1463
#2	47.817	.49670	4.8082	4.9192	51.735	4.7544	5.0364
#3	47.331	.49616	4.7790	4.9016	51.468	4.7689	5.0342

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.7656	5.2557	4.9415	5.0622	5.2099	4.7776	4.8526
SDev	.0572	.0603	.0542	.0581	.0653	.0468	.0684
%RSD	1.2001	1.1467	1.0964	1.1469	1.2536	.97680	1.4103

#1	4.8314	5.3250	5.0099	5.1391	5.2850	4.8295	4.9235
#2	4.7400	5.2207	4.9135	5.0332	5.1712	4.7643	4.8097
#3	4.7261	5.2211	4.9070	5.0244	5.1732	4.7389	4.7985

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	4.9634	4.9352
SDev	.0573	.0623
%RSD	1.1549	1.2632

#1	5.0296	5.0055
#2	4.9295	4.9137
#3	4.9312	4.8865

Analysis Report

Wed 04-10-96 03:27:21 PM

page 1

Method: IAI Sample Name: Job

Operator: Job

Run Time: 04/10/96 15:23:29

Amount:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11321	.00403	.00410	.00173	.00182	.00144	-.11567
SDev	.00561	.00085	.00005	.00047	.00038	.00027	.00358
%RSD	4.9556	21.216	1.2579	27.446	20.922	19.110	3.0912

#1	.11057	.00318	.00410	.00130	.00148	.00122	-.11821
#2	.11965	.00489	.00415	.00224	.00223	.00175	-.11158
#3	.10939	.00401	.00404	.00165	.00175	.00134	-.11723

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00074	.00173	.00161	-.05823	-.00766	.00260	.00147
SDev	.00034	.00070	.00033	.00753	.00411	.00035	.00021
%RSD	45.977	40.376	20.578	12.933	53.655	13.382	14.604

#1	.00051	.00137	.00128	-.05593	-.01045	.00245	.00133
#2	.00113	.00254	.00195	-.05211	-.00294	.00299	.00171
#3	.00058	.00129	.00159	-.06664	-.00958	.00235	.00135

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.89987	.00030	.00274	.00049	.62592	.00930	.00178
SDev	.01625	.00037	.00081	.00257	.12376	.00230	.00042
%RSD	1.8063	124.65	29.382	524.23	19.772	24.742	23.731

#1	.89349	-.00001	.00195	.00112	.64410	H.01011	.00145
#2	.91834	.00071	H.00356	.00269	.73958	H.01108	.00226
#3	.88777	.00020	.00272	-.00234	.49408	.00670	.00164

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00188	.00573	.00435	.00248	.00179	.00345	.00195
SDev	.00040	.00194	.00146	.00184	.00037	.00046	.00137
%RSD	21.503	33.880	33.665	74.150	20.645	13.351	70.125

#1	.00134	.00711	.00501	.00108	.00150	.00353	.00077
#2	.00234	.00658	.00536	.00457	.00220	.00296	.00342
#3	.00165	.00351	.00267	.00179	.00165	.00387	.00171

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	-.00147	.00108
SDev	.00205	.00480
%RSD	139.43	444.43

#1	-.00096	.00177
#2	-.00373	.00550
#3	.00028	-.00403

Daily Report

Wed 04-10-96 03:32:33 PM

Page 1

Method: 101 Sample Name: 1150030

Operator: Jmb

Run Time: 04-10-96 15:27:34

Unit: ml

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.444	.02164	.20840	.13947	.00357	.00595	57.962
SDev	.118	.00092	.00357	.00022	.00003	.00011	.127
%RSD	.23336	4.2698	1.7126	.15575	.86208	1.8840	.21959

#1	50.311	.02159	.20952	.13922	.00360	.00591	57.816
#2	50.535	.02074	.21128	.13962	.00358	.00607	58.017
#3	50.486	.02259	.20441	.13958	.00354	.00586	58.052

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49455	.07368	.31876	200.06	3.1875	8.5286	.07661
SDev	.00165	.00014	.00050	.45	.0072	.0158	.00023
%RSD	.33288	.18610	.15672	.22460	.22649	.18547	.29476

#1	.49275	.07357	.31818	199.54	3.1791	8.5105	.07679
#2	.49494	.07383	.31904	200.30	3.1920	8.5355	.07636
#3	.49598	.07363	.31905	200.33	3.1913	8.5398	.07668

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2152	-.00084	.65724	.01103	.31311	.01418	.70808
SDev	.0187	.00020	.00136	.00168	.06337	.00347	.00118
%RSD	.58291	23.955	.20641	15.210	20.238	24.460	.16640

#1	3.1936	-.00107	.65592	.01295	.24025	.01781	.70672
#2	3.3251	-.00071	.65863	.00985	.34375	.01091	.70867
#3	3.2270	-.00074	.65717	.01028	.35534	.01381	.70885

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.32076	.00222	.04223	.01657	.45461	.66134	.65476
SDev	.00103	.00025	.00078	.00036	.00016	.00136	.00136
%RSD	.33626	11.176	1.8437	2.2005	.03486	.20509	.20707

#1	.31952	.00220	.04252	.01693	.45447	.66002	.65344
#2	.32148	.00194	.04281	.01620	.45457	.66273	.65615
#3	.32128	.00242	.04134	.01659	.45478	.66126	.65469

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00821	.01210
SDev	.00313	.00212
%RSD	38.080	17.481

#1	.01050	.01383
#2	.00947	.00974
#3	.00465	.01274

Sample: 011079

Wed 04-10-96 03:37:37 PM

Page: 1

Sample Name: 61180073

Operator: jmb

Run Time: 01/10/96 15:32:38

Units:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	80.355	.14797	.29318	.26714	.00446	.00905	152.17
SDev	.559	.00104	.00189	.00151	.00007	.00023	.79
%RSD	.69594	.70438	.64500	.56534	1.4878	2.5891	.52239

#1	79.777	.14738	.29375	.26547	.00439	.00902	151.34
#2	80.894	.14736	.29107	.26842	.00452	.00930	152.92
#3	80.393	.14918	.29472	.26752	.00448	.00884	152.26

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.73570	.11447	26.501	279.75	4.2660	12.333	.10581
SDev	.00430	.00052	.148	1.80	.0219	.067	.00025
%RSD	.58465	.44989	.56027	.64348	.51351	.53954	.23274

#1	.73107	.11399	26.351	277.73	4.2470	12.259	.10552
#2	.73956	.11501	26.648	281.20	4.2900	12.388	.10595
#3	.73648	.11440	26.504	280.31	4.2610	12.351	.10595

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.9778	-.00049	24.676	.02073	.84872	.01674	.97375
SDev	.0521	.00018	.259	.00474	.08453	.00117	.00447
%RSD	1.3100	36.579	1.0488	22.880	9.9596	6.9972	.45957

#1	3.9180	-.00066	24.379	.02084	.75112	.01619	.96866
#2	4.0133	-.00031	24.851	.01593	.89784	.01594	.97707
#3	4.0022	-.00048	24.799	.02542	.89721	.01808	.97552

Elem	Zn2062	Zn2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.64624	.00514	.05027	.16859	.52901	24.706	24.661
SDev	.00393	.00064	.00053	.00263	.00233	.141	.318
%RSD	.60604	12.485	1.0456	1.5569	.53532	.56948	1.2905

#1	.64204	.00458	.05070	.17134	.52607	24.541	24.701
#2	.64968	.00489	.05042	.16832	.53172	24.787	24.800
#3	.64685	.00584	.04968	.16611	.52924	24.788	24.805

Elem	1860/1	1860/2
Units	ppm	ppm
Avg	.01305	.02422
SDev	.00411	.00523
%RSD	31.524	24.469

#1	.01663	.02260
#2	.00855	.01927
#3	.01397	.03079

Method: IAL Sample Name: 61186034
 Run Time: 04/10/96 15:37:42
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: jnb

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	64.387	.13224	.22616	.24212	.00368	.00526	83.209
SDev	.118	.00150	.00222	.00042	.00001	.00016	.167
%RSD	.18389	1.1324	.98022	.17270	.34806	2.9857	.20125

#1	64.524	.13302	.22746	.24256	.00369	.00544	83.344
#2	64.327	.13319	.22360	.24208	.00369	.00517	83.261
#3	64.311	.13052	.22742	.24173	.00367	.00518	83.022

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47885	.07782	1.8440	197.96	4.0711	7.9680	.09955
SDev	.00063	.00048	.0047	.44	.0058	.0134	.00045
%RSD	.13133	.61558	.25568	.22199	.14310	.16773	.44882

#1	.47957	.07798	1.8493	198.35	4.0757	7.9781	.09937
#2	.47859	.07820	1.8424	198.05	4.0730	7.9730	.10006
#3	.47839	.07728	1.8402	197.48	4.0646	7.9528	.09922

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5675	-.00080	7.9230	.01378	.31281	.00888	.66859
SDev	.0070	.00048	.0090	.00366	.05981	.00061	.00151
%RSD	.27325	60.017	.11323	26.537	19.119	6.8452	.22642

#1	2.5747	-.00131	7.9274	.01685	.34422	.00920	.67021
#2	2.5670	-.00036	7.9290	.01476	.35037	.00818	.66836
#3	2.5607	-.00072	7.9127	.00973	.24384	.00927	.66721

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.61517	.00898	.03833	.07214	.44945	7.8863	7.9409
SDev	.00137	.00021	.00097	.00091	.00161	.0234	.0062
%RSD	.22319	2.3830	2.5177	1.2570	.35740	.29689	.07761

#1	.61505	.00880	.03821	.07318	.45010	7.8877	7.9360
#2	.61645	.00922	.03730	.07155	.45061	7.8899	7.9480
#3	.61370	.00892	.03849	.07168	.44762	7.8613	7.9380

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.01048	.01508
SDev	.00505	.00323
%RSD	48.147	22.079

#1	.01275	.01854
#2	.01399	.01480
#3	.00470	.01190

Analysis Report

Wed 04/10/96 03:17:44 PM

Method: TAL

Sample Name: 6110001p

Operator: Jmb

Run Time: 04/10/96 15:42:46

Comment:

Mode: CONC Corr. Factor: 1

CA
4/11/96 61353001

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	PPM	PPM	PPM	ppm	PPM	ppm
Avg	.13614	.00040	.00371	.00140	.00015	-.00004	3.2017
SDev	.00259	.00146	.00061	.00003	.00001	.00010	.0054
%RSD	1.9053	367.86	16.503	2.3981	6.6778	241.44	.16796

#1	.13836	-.00011	.00302	.00138	.00014	.00005	3.2063
#2	.13678	.00204	.00393	.00144	.00016	-.00015	3.2029
#3	.13329	-.00075	.00418	.00139	.00014	-.00003	3.1958

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	PPM	PPM	PPM	ppm	ppm	ppm
Avg	.00028	.00024	.01889	-.02072	.31183	.01107	.00103
SDev	.00015	.00016	.00119	.00989	.00306	.00237	.00042
%RSD	55.513	66.105	6.3198	47.705	.98208	21.458	40.815

#1	.00011	.00006	.02005	-.01284	.30832	.01362	.00055
#2	.00042	.00037	.01895	-.01752	.31322	.01066	.00123
#3	.00029	.00030	.01767	-.03181	.31395	.00892	.00131

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	PPM	PPM	PPM	ppm	ppm	ppm
Avg	2.1769	.00002	.00426	-.00031	.94477	.00215	.00042
SDev	.0087	.00021	.00009	.00171	.10382	.00143	.00015
%RSD	.39854	918.86	2.2179	558.80	10.989	66.695	36.796

#1	2.1698	-.00015	.00418	-.00185	.82925	.00337	.00024
#2	2.1866	.00026	.00424	.00153	1.0303	.00251	.00051
#3	2.1742	-.00005	.00436	-.00060	.97476	.00057	.00051

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00675	.00280	.00029	.00085	.01094	.00410	.00390
SDev	.00016	.00036	.00025	.00118	.00057	.00084	.00028
%RSD	2.4176	13.026	84.802	137.71	5.1820	20.380	7.2404

#1	.00690	.00238	.00000	.00080	.01047	.00327	.00420
#2	.00658	.00305	.00053	-.00030	.01078	.00410	.00387
#3	.00675	.00297	.00032	.00205	.01157	.00494	.00364

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00152	-.00160
SDev	.00591	.00426
%RSD	388.02	265.55

#1	-.00163	-.00234
#2	-.00214	.00297
#3	.00824	-.00544

Anal. Instrument

OL Standard

Date: 04/10/96 03:51:22 PM

Page: 1

Method: IOL

Sample Name: crl

Operator: jmb

Run Time: 04/10/96 15:47:50

Comments:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09405	.11633	.02121	.00034	.01065	.01092	-.12368
SDev	.00139	.00145	.00201	.00003	.00001	.00002	.00160
%RSD	1.4743	1.2462	9.4727	8.9678	.09758	.21868	1.2944

#1	.09547	.11766	.02323	.00036	.01066	.01089	-.12194
#2	.09396	.11478	.01921	.00030	.01064	.01092	-.12402
#3	.09271	.11655	.02118	.00035	.01065	.01094	-.12509

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01991	.09950	.05293	-.06970	-.02135	.03080	.07961
SDev	.00021	.00021	.00039	.00384	.00334	.00025	.00028
%RSD	1.0449	.21369	.73175	5.5047	15.658	.81923	.35093

#1	.02013	.09971	.05338	-.06530	-.01750	.03105	.07993
#2	.01971	.09928	.05275	-.07238	-.02353	.03082	.07941
#3	.01990	.09950	.05268	-.07141	-.02303	.03054	.07950

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.85188	.02058	Q.00777	.00805	.39818	.02192	.10172
SDev	.00978	.00035	.00040	.00103	.06982	.00179	.00007
%RSD	1.1480	1.6990	5.1269	12.824	17.534	8.1526	.06882

#1	.84922	.02082	Q.00822	.00924	.45377	.02015	.10164
#2	.84371	.02073	Q.00745	Q.00739	.31982	.02372	.10177
#3	.86272	.02018	Q.00766	Q.00753	.42094	.02190	.10175

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03766	.00160	-.00007	-.00098	.00015	.00852	.00692
SDev	.00015	.00041	.00042	.00048	.00010	.00021	.00054
%RSD	.39499	25.502	633.22	48.514	64.020	2.4904	7.8325

#1	.03778	.00125	.00018	-.00100	.00026	.00871	.00748
#2	.03772	.00150	.00016	-.00049	.00013	.00856	.00641
#3	.03749	.00205	-.00055	-.00145	.00007	.00829	.00686

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00907	.00716
SDev	.00231	.00154
%RSD	25.454	21.551

#1	.01025	.00835
#2	.01055	.00542
#3	.00641	.00770

Analysis Report GC Standard Wed Oct 10 1990 11:52:53 PM page 1

Method: GC Sample Name: 1801 Operator: Job
 Run Time: 01/10/90 15:52:53
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	482.83	.00353	.00100	.00180	.00202	.00340	491.61
SDev	5.33	.00396	.00354	.00005	.00006	.00015	5.28
%RSD	1.1042	112.16	355.20	2.6443	2.8469	4.3914	1.0742

#1	487.03	.00807	-.00282	.00183	.00206	.00358	495.45
#2	484.62	.00080	.00417	.00182	.00205	.00333	493.80
#3	476.83	.00172	.00164	.00174	.00196	.00331	485.59

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00448	.00100	.01444	192.34	515.23	.00885	.00184
SDev	.00005	.00007	.00013	2.11	5.88	.00020	.00015
%RSD	1.0978	7.3095	.93069	1.0976	1.1411	2.2757	7.9406

#1	.00443	.00104	.01456	193.91	520.18	.00903	.00176
#2	.00452	.00104	.01430	193.16	516.79	.00888	.00201
#3	.00449	.00092	.01445	189.94	508.73	.00864	.00175

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1241	.00013	-.00141	.00586	3.7801	-.00061	-.01057
SDev	.0324	.00073	.00039	.00289	.1295	.00168	.00056
%RSD	2.8789	578.47	27.687	49.262	3.4249	272.97	5.2785

#1	1.1533	-.00066	-.00113	.00254	3.8252	.00067	-.00997
#2	1.1299	.00025	-.00186	.00730	3.8810	-.00001	-.01107
#3	1.0893	.00079	-.00124	.00775	3.6341	-.00251	-.01063

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00525	.00881	.01768	.00201	-.00000	.03822	-.02170
SDev	.00054	.00032	.00271	.00182	.00004	.00189	.00048
%RSD	10.250	3.6382	15.335	90.443	855.65	4.9494	2.2196

#1	.00578	.00918	.02062	.00272	-.00004	.04013	-.02205
#2	.00470	.00863	.01716	-.00005	.00003	.03638	-.02145
#3	.00529	.00861	.01527	.00337	-.00000	.03813	-.02139

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00053	.00808
SDev	.00070	.00890
%RSD	1343.5	110.18

#1	.01073	-.00200
#2	-.00873	.01485
#3	-.00041	.01138

Unit: 04-10-96 01:03:15 PM page 1

Method: IAL Sample Name: Ioral

Operator: jmb

Time: 04/10/96 15:57:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	484.91	.00471	-.00079	.53195	.54835	.91288	501.99
SDev	1.22	.00064	.00309	.00124	.00121	.00180	1.16
%RSD	.25245	13.671	389.08	.23377	.22118	.19693	.23197

#1	485.99	.00413	-.00278	.53319	.54967	.91492	503.26
#2	485.17	.00458	.00277	.53198	.54807	.91224	501.73
#3	483.58	.00540	-.00237	.53070	.54729	.91150	500.97

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50069	.46307	.55278	193.85	513.58	.48024	.89334
SDev	.00128	.00117	.00112	.38	1.21	.00130	.00165
%RSD	.25457	.25362	.20206	.19822	.23579	.27061	.18436

#1	.50188	.46441	.55394	194.26	514.67	.48162	.89477
#2	.50085	.46255	.55269	193.79	513.80	.48008	.89371
#3	.49934	.46224	.55172	193.50	512.28	.47903	.89154

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1459	1.1061	.91655	.00743	3.8498	-.00177	.50570
SDev	.0055	.0022	.00144	.00109	.0451	.00161	.00148
%RSD	.48345	.20287	.15667	14.683	1.1703	90.853	.29329

#1	1.1511	1.1086	.91819	.00752	3.8591	-.00096	.50730
#2	1.1401	1.1054	.91553	.00630	3.8008	-.00363	.50544
#3	1.1464	1.1043	.91592	.00848	3.8895	-.00073	.50437

Elem	Zn2062	S_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.92126	.00419	.01671	.00256	.00014	.95204	.89831
SDev	.00114	.00051	.00090	.00126	.00008	.00412	.00211
%RSD	.12354	12.237	5.3799	49.237	58.625	.43255	.23464

#1	.92287	.00420	.01568	.00400	.00018	.95393	.89935
#2	.92010	.00367	.01731	.00201	.00005	.94732	.89916
#3	.92132	.00469	.01715	.00167	.00019	.95489	.89591

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00560	.00790
SDev	.00480	.00200
%RSD	87.369	25.304

#1	.01040	.00563
#2	.00063	.00869
#3	.00577	.00939

1.1.1.1.1.1.1

OF Standard

Wed 04-10-96 04:08:01 PM

Page 1

Method: 101

Sample Name: 101 ✓

Operator: jmb

Run Time: 04/10/96 16:03:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	47.629	5.0904	5.0527	5.0468	5.2781	4.7033	49.054
SDev	.114	.0110	.0031	.0077	.0125	.0094	.101
%RSD	.24008	.21678	.06134	.15289	.23739	.19948	.20566

#1	47.755	5.1015	5.0531	5.0551	5.2902	4.7106	49.137
#2	47.532	5.0794	5.0556	5.0399	5.2652	4.6927	48.942
#3	47.599	5.0905	5.0494	5.0453	5.2789	4.7066	49.084

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0683	4.8568	5.1196	53.026	49.781	4.7645	4.7811
SDev	.0109	.0100	.0086	.115	.105	.0091	.0076
%RSD	.21423	.20501	.16799	.21774	.21119	.19137	.15975

#1	5.0754	4.8644	5.1285	53.114	49.886	4.7726	4.7857
#2	5.0558	4.8455	5.1113	52.895	49.676	4.7546	4.7722
#3	5.0738	4.8604	5.1190	53.068	49.783	4.7661	4.7852

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.243	.50227	4.8476	4.9738	51.745	4.8659	5.1050
SDev	.334	.00097	.0200	.0249	.147	.0135	.0092
%RSD	.69247	.19218	.41276	.50104	.28334	.27671	.17984

#1	48.603	.50336	4.8659	4.9910	51.898	4.8580	5.1120
#2	47.943	.50153	4.8262	4.9452	51.731	4.8583	5.0946
#3	48.184	.50192	4.8507	4.9851	51.606	4.8815	5.1085

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.7706	5.2976	4.9137	5.0169	5.2601	4.8221	4.8599
SDev	.0091	.0074	.0186	.0076	.0084	.0098	.0255
%RSD	.19069	.13992	.37857	.15050	.15936	.20404	.52457

#1	4.7707	5.2904	4.9264	5.0158	5.2674	4.8179	4.8844
#2	4.7602	5.2892	4.8923	5.0100	5.2509	4.8108	4.8335
#3	4.7750	5.3031	4.9224	5.0250	5.2619	4.8277	4.8618

Elem	1000/1	1000/2
Units	ppm	ppm
Avg	4.9939	4.9633
SDev	.0140	.0312
%RSD	.28040	.62823

#1	5.0082	4.9820
#2	4.9802	4.9273
#3	4.9933	4.9807

04/10/86 16:08

Upd 04-10-86 04:13:05 PM

Page 1

Method: ICL Sample Name: ccb

Operator: jmb

n Time: 04/10/86 16:08:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12352	.00242	.00433	.00155	.00161	.00130	-.09444
SDev	.00280	.00140	.00186	.00062	.00064	.00055	.00235
%RSD	2.2630	57.647	42.952	40.013	39.716	42.599	2.4881

#1	.12314	.00087	.00218	.00083	.00087	.00066	-.09614
#2	.12648	.00280	.00532	.00188	.00202	.00168	-.09176
#3	.12093	.00359	.00548	.00193	.00193	.00155	-.09542

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00119	.00147	.00386	-.05888	.01269	.00141	.00181
SDev	.00051	.00045	.00048	.00109	.00520	.00064	.00065
%RSD	43.227	30.342	12.492	1.8507	40.965	45.110	36.167

#1	.00060	.00096	.00331	-.06000	.01505	.00068	.00108
#2	.00140	.00172	.00411	-.05783	.01630	.00183	.00234
#3	.00156	.00175	.00417	-.05882	.00673	.00172	.00201

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.91346	-.00021	.00213	.00160	.67212	.00792	.00132
SDev	.00612	.00016	.00093	.00316	.06067	.00253	.00058
%RSD	.66970	75.174	43.798	197.12	9.0271	32.015	44.133

#1	.92051	-.00022	.00116	.00005	.73091	H.01081	.00065
#2	.90950	-.00005	H.00302	-.00048	.60973	.00690	.00166
#3	.91037	-.00036	.00222	H.00524	.67573	.00605	.00166

Elem	Zn2062	E_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00180	.00577	.00393	.00134	.00142	.00218	.00167
SDev	.00067	.00164	.00018	.00067	.00067	.00113	.00102
%RSD	37.398	28.456	4.6405	50.167	47.219	51.814	60.847

#1	.00104	.00753	.00401	.00196	.00065	.00159	.00058
#2	.00233	.00547	.00372	.00138	.00183	.00349	.00235
#3	.00202	.00429	.00406	.00065	.00178	.00148	.00216

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00322	.00040
SDev	.00311	.00321
%RSD	96.473	793.62

#1	.00209	-.00136
#2	.00084	-.00153
#3	.00674	.00411

Analysis Report

Wed Oct 10 16:13:09 1996

Page: 1

Method: IAL Sample Name: 250 ppm Fe

Operator: top

Run Time: 04/10/96 16:13:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10694	.00359	.00115	.00111	.00063	.00134	-.11279
SDev	.00182	.00056	.00040	.00002	.00000	.00007	.00157
%RSD	1.6986	15.729	34.999	1.9364	.46143	4.9697	1.3949

#1	.10766	.00342	.00143	.00114	.00063	.00138	-.11122
#2	.10487	.00314	.00133	.00110	.00062	.00127	-.11279
#3	.10828	.00423	.00069	.00110	.00063	.00139	-.11436

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00058	.00109	.01196	264.93	-.01692	.00027	.00061
SDev	.00014	.00005	.00002	1.78	.00093	.00001	.00049
%RSD	24.097	4.1847	.14827	.67342	5.5226	2.9136	81.158

#1	.00044	.00105	.01195	262.87	-.01600	.00026	.00023
#2	.00058	.00106	.01198	266.02	-.01689	.00027	.00043
#3	.00073	.00114	.01195	265.89	-.01787	.00028	.00117

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.89677	.00012	-.00022	.01082	.79837	.00462	-.00739
SDev	.02917	.00018	.00073	.00192	.15972	.00096	.00024
%RSD	3.2523	153.85	326.21	17.727	20.005	20.675	3.2063

#1	.86487	.00027	-.00034	.01291	.65027	.00397	-.00764
#2	.90337	-.00008	.00056	.01043	.77725	.00417	-.00717
#3	.92208	.00016	-.00089	.00913	.96760	.00572	-.00736

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00191	.00424	.02566	.00002	.00056	.00160	-.00158
SDev	.00020	.00030	.00029	.00100	.00013	.00064	.00092
%RSD	11.457	7.0790	1.1458	6336.8	22.706	40.415	58.075

#1	.00170	.00417	.02546	.00064	.00050	.00208	.00180
#2	.00193	.00398	.02600	-.00114	.00046	.00185	-.00053
#3	.00210	.00456	.02552	.00055	.00071	.00086	-.00222

Elem	Fe	Se
Units	ppm	ppm
Avge	.00414	.01376
SDev	.00446	.00282
%RSD	107.163	20.948

#1	.00440	.01676
#2	.00847	.01101
#3	-.00044	.01351

Fe → Se t.000040841

Analysis Report

04/10/95 16:18:14

Page 1 of 1

Method: IAL Sample Name: 500 ppm Al

Operator: top

Run Time: 04/10/95 16:18:14

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	476.92	.00326	.00302	.00180	.00135	-.00003	-.11786
SDev	.73	.00176	.00295	.00012	.00003	.00010	.00086
%RSD	.15277	53.864	97.737	6.5378	2.1099	367.22	.72698

#1	477.64	.00230	.00620	.00167	.00138	-.00005	-.11729
#2	476.19	.00529	.00038	.00183	.00132	-.00012	-.11745
#3	476.92	.00219	.00246	.00189	.00136	.00009	-.11885

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00026	-.00000	.00262	-.03957	-.01886	-.00051	.00034
SDev	.00017	.00030	.00008	.00401	.00029	.00004	.00028
%RSD	68.482	24754.	2.9381	10.135	1.5475	8.4970	82.162

#1	.00016	.00007	.00260	-.04291	-.01903	-.00055	.00006
#2	.00015	-.00033	.00270	-.03512	-.01852	-.00052	.00063
#3	.00046	.00026	.00255	-.04068	-.01902	-.00047	.00034

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1161	.00091	-.00107	.00210	1.9696	-.00092	.00051
SDev	.0160	.00010	.00097	.00858	.1312	.00411	.00004
%RSD	1.4329	11.048	89.989	408.71	6.6600	446.97	8.4713

#1	1.1115	.00095	-.00138	-.00726	1.9532	.00358	.00048
#2	1.1030	.00080	-.00185	.00396	1.8474	-.00187	.00048
#3	1.1339	.00099	.00001	.00960	2.1082	-.00446	.00056

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00347	.01399	.00050	.00109	.00080	.03667	-.02039
SDev	.00034	.00016	.00037	.00179	.00015	.00076	.00175
%RSD	9.9146	1.1350	73.745	164.18	18.806	2.0752	8.6029

#1	.00337	.01400	.00030	.00011	.00071	.03740	-.02101
#2	.00385	.01382	.00092	-.00030	.00064	.03673	-.02158
#3	.00318	.01414	.00027	.00046	.00084	.03588	-.01837

Elem	1910/1	1910/2
Units	ppm	ppm
Avge	-.00018	.00402
SDev	.01377	.00471
%RSD	400.101	158.74

#1	-.01560	-.00352
#2	-.00502	.00806
#3	.01170	.00813

Analytical Report

Date: 04-10-96 04:20:13 PM

Page: 1

Method: IAL Sample Name: 500 ppm Cu

Operator: tag

Run Time: 04/10/96 16:23:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23021	.00171	-.00021	.00051	.00066	-.00003	488.64
SDev	.00413	.00048	.00248	.00003	.00004	.00006	6.68
%RSD	1.7935	28.346	1194.1	5.6583	5.7731	192.79	1.3665

#1	.22561	.00202	.00222	.00053	.00067	.00002	489.03
#2	.23359	.00195	-.00274	.00053	.00062	-.00009	481.77
#3	.23142	.00115	-.00011	.00048	.00070	-.00002	495.11

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00082	.00042	.00596	-.06017	.00676	.00010	.00010
SDev	.00010	.00002	.00004	.00430	.00265	.00001	.00033
%RSD	12.342	5.1970	.68078	7.1485	39.147	14.035	325.72

#1	-.00075	.00040	.00592	-.05687	.00820	.00009	.00039
#2	-.00078	.00040	.00600	-.06503	.00838	.00011	.00016
#3	-.00094	.00044	.00595	-.05861	.00371	.00011	-.00026

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.93543	.00021	-.00174	-.00136	2.0468	.00256	.00028
SDev	.03509	.00046	.00094	.00053	.1159	.00147	.00015
%RSD	3.7509	215.87	54.158	39.039	5.6607	57.475	52.747

#1	.92746	.00074	-.00270	-.00086	2.0538	.00186	.00040
#2	.90501	-.00001	-.00082	-.00192	1.9275	.00156	.00032
#3	.97382	-.00009	-.00170	-.00131	2.1589	.00425	.00011

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00423	.01837	.00067	.00023	.00114	.00050	-.00332
SDev	.00008	.00064	.00015	.00077	.00004	.00093	.00096
%RSD	1.8945	3.5126	21.746	336.48	3.6496	184.127	26.958

#1	.00423	.01861	.00071	.00047	.00112	.00051	.00125
#2	.00423	.01784	.00050	.00009	.00112	.00100	-.00232
#3	.00416	.01837	.00076	.00106	.00111	.00071	-.00337

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	-.00360	.00066
SDev	.00204	.00052
%RSD	56.744	79.863

#1	-.00261	-.00040
#2	-.00595	-.00031
#3	-.00224	-.00126

Analytical Report

Wed 04/10/96 04:33:22 PM

page 1

Method: 101 Sample Name: 500 ppm Mg

Operator: tap

Run Time: 04/10/96 10:28:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14743	.00090	-.00013	.00024	.00062	-.00005	-.04114
SDev	.00781	.00060	.00172	.00003	.00001	.00008	.00468
%RSD	5.2947	65.934	1289.8	13.604	2.1152	166.08	11.377

#1	.15603	.00022	-.00183	.00026	.00063	-.00001	-.04142
#2	.14548	.00120	-.00018	.00026	.00060	-.00014	-.03633
#3	.14078	.00130	.00161	.00020	.00061	.00001	-.04567

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00264	.00008	.00273	-.07067	525.50	.00924	.00167
SDev	.00017	.00009	.00009	.00409	.86	.00002	.00010
%RSD	6.4925	112.87	3.3196	5.7868	.16293	.19829	5.7345

#1	.00266	.00018	.00262	-.06877	526.38	.00924	.00156
#2	.00245	-.00000	.00277	-.06787	524.67	.00925	.00175
#3	.00279	.00007	.00278	-.07536	525.44	.00921	.00170

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0896	.00007	.00073	.00006	1.8915	.00056	.00009
SDev	.0059	.00034	.00029	.00392	.0676	.00242	.00004
%RSD	.53778	505.09	39.743	6186.7	3.5734	435.02	44.914

#1	1.0950	.00039	.00083	.00251	1.9625	.00320	.00004
#2	1.0904	-.00028	.00096	.00213	1.8280	.00002	.00012
#3	1.0834	.00009	.00040	-.00446	1.8841	-.00155	.00012

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00166	.01728	-.00015	-.00055	-.00159	.00691	-.00283
SDev	.00000	.00069	.00047	.00098	.00009	.00102	.00080
%RSD	0.0000	3.9801	324.19	177.88	5.3061	14.805	28.000

#1	.00166	.01800	.00023	.00060	-.00155	.00722	-.00117
#2	.00160	.01664	-.00015	-.00149	-.00170	.00578	-.00192
#3	.00176	.01718	-.00062	.00047	-.00155	.00717	-.00345

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00199	.00117
SDev	.00257	.00495
%RSD	3.1010	424.47

#1	-.00334	.00501
#2	-.00026	.00291
#3	-.00538	-.00442

Wed 04-10-96 04:38:27 PM

page 1

Sample Name: 250 ppm K
 Run Time: 04/10/96 16:33:27
 Comment:

Operator: lap

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11981	.00250	.00081	.00015	.00045	-.00007	-.09463
SDev	.00284	.00056	.00236	.00000	.00001	.00007	.00596
%RSD	2.3717	22.303	290.12	.00000	2.8700	101.03	6.3026

#1	.12282	.00290	-.00019	.00015	.00046	-.00004	-.08830
#2	.11718	.00274	-.00088	.00015	.00044	-.00002	-.09543
#3	.11942	.00186	.00352	.00015	.00046	-.00015	-.10015

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00033	.00006	.00184	-.08122	.03374	-.00018	-.00004
SDev	.00012	.00009	.00014	.00326	.00351	.00003	.00024
%RSD	35.251	149.09	7.6182	4.0132	10.408	16.967	597.55

#1	-.00045	.00007	.00188	-.08052	.03550	-.00019	-.00018
#2	-.00022	.00015	.00168	-.08477	.03602	-.00019	.00024
#3	-.00033	-.00004	.00195	-.07836	.02970	-.00014	-.00018

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	189.14	.00009	-.00013	-.00231	1.8404	.00160	-.00003
SDev	.24	.00016	.00043	.00393	.0316	.00244	.00012
%RSD	.12645	172.14	318.50	169.89	1.7181	152.34	369.12

#1	189.16	.00020	.00027	-.00320	1.8507	-.00086	-.00011
#2	188.89	.00017	-.00009	-.00573	1.8049	.00402	.00011
#3	189.36	-.00009	-.00058	.00198	1.8656	.00164	-.00010

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00101	.02377	-.00040	-.00060	.00049	.00359	-.00246
SDev	.00010	.00017	.00037	.00193	.00000	.00091	.00077
%RSD	9.5734	.72666	91.502	320.61	.13153	25.321	31.430

#1	.00101	.02327	.00002	.00220	.00001	.00002	.00157
#2	.00111	.02368	-.00066	.00017	.00049	.00464	-.00200
#3	.00091	.02366	-.00056	.00083	.00049	.00311	-.00285

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	-.000471	-.000153
SDev	.00510	.00388
%RSD	108.78	253.18

#1	-.00058	-.00092
#2	-.00664	-.00569
#3	.00110	.00201

Analytical Report

Wed 04-10-96 04:43:31 PM

Page 1

Method: 1 Sample Name: 250 ppm Na

Operator: jmb

Run Time: 04/10/96 18:30:00

element:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11434	.00060	.00066	.00026	.00043	-.00004	-.10908
SDev	.00179	.00178	.00263	.00000	.00005	.00007	.00267
%RSD	1.5626	296.83	398.68	.67322	10.385	149.40	2.4516

#1	.11613	.00242	-.00155	.00026	.00048	-.00004	-.10604
#2	.11434	-.00114	.00357	.00026	.00042	.00002	-.11014
#3	.11255	.00053	-.00005	.00026	.00040	-.00011	-.11107

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00060	.00015	.00151	-.06323	.00271	-.00002	.00047
SDev	.00006	.00013	.00036	.00072	.00503	.00002	.00012
%RSD	9.6219	87.006	23.912	1.1316	185.92	87.322	26.650

#1	-.00062	.00026	.00193	-.06243	.00825	-.00001	.00037
#2	-.00065	.00019	.00132	-.06380	-.00158	-.00001	.00043
#3	-.00054	.00001	.00129	-.06347	.00146	-.00005	.00061

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2067	.00002	.00082	-.00423	230.93	.00081	.00007
SDev	.0537	.00039	.00025	.00240	2.87	.00233	.00018
%RSD	4.4523	1665.3	30.500	56.904	1.2419	287.41	271.54

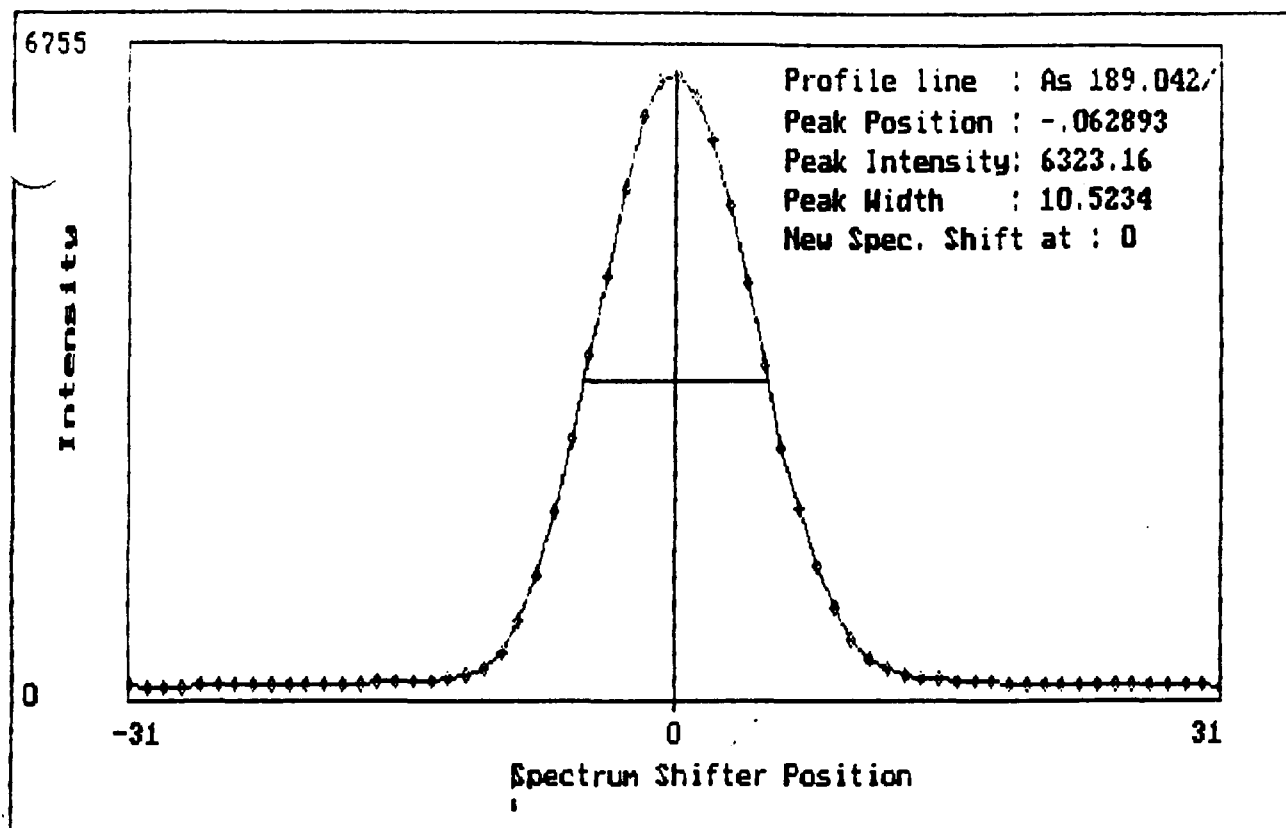
#1	1.2675	.00047	.00077	L-.00700	233.84	-.00020	.00026
#2	1.1870	-.00027	.00110	-.00293	230.84	.00348	-.00010
#3	1.1656	-.00012	.00060	-.00274	228.11	-.00084	.00004

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00110	.02496	.00065	.00012	.00022	.00180	-.00013
SDev	.00001	.00087	.00023	.00085	.00004	.00061	.00054
%RSD	1.0811	3.4896	35.077	708.53	20.076	33.909	409.96

#1	.00113	.01501	.0001	.00073	.00021	.00150	.00037
#2	.00109	.02469	.00017	.00012	.00017	.00141	.00047
#3	.00111	.02426	.00037	.00096	.00025	.00143	-.00030

Elem	1360/1	1360/2
Units	ppm	ppm
Avge	-.00342	-.00504
SDev	.00382	.00393
%RSD	111.69	77.680

#1	-.00364	-.00910
#2	-.00712	-.00126
#3	.00051	-.00476



Sample: TM

Standard: STANW 077

Al3082	Ca3179	Fe3271	Mn3600	K_7644	Na3300	
.01268	.00424	.00007	.00007	1.0255	.42216	
.00001	.00002	.00011	.00018	.0011	.00076	
%RSD	.10553	.49046	150.53	278.16	.10748	.18121
#1	.01267	.00423	.00007	.00023	1.0252	.42205
#2	.01269	.00423	.00020	-.00013	1.0267	.42145
#3	.01267	.00427	-.00003	.00010	1.0246	.42297

Method: T1

Standard: STD00

Elem	Al 0001	Ca 1179	Fe 2714	Mg 0800	K 7664	Na 3302
Wgt	50.005	67.341	14.729	32.705	87.897	8.9049
Dev	.068	.314	.057	.037	.602	.0191
%RSD	.13470	.46579	.38733	.11399	.68683	.21484
#1	50.181	66.979	14.663	32.698	87.009	8.8858
#2	50.281	67.518	14.763	32.745	88.129	8.9241
#3	50.153	67.525	14.761	32.672	87.953	8.9050

With 10000

Standard: STD1-BLANK

Elem	Cd2065	As1890	Ba4934	Ba3130	Cd2265	Cr2677	Co2286
Avge	.00096	-.00009	-.00004	.01044	.00110	.00044	-.00017
SDev	.00041	.00089	.00004	.00005	.00054	.00028	.00004
%RSD	42.579	970.68	86.603	.50317	49.111	63.328	23.731
#1	.00096	.00078	-.00007	.01047	.00164	.00073	-.00021
#2	.00137	-.00007	.00000	.01046	.00108	.00041	-.00018
#3	.00055	-.00099	-.00006	.01038	.00057	.00018	-.00013
Elem	Cu3247	Mn2576	Ni2316	Ag3280	Tl1908	V_2924	Zn2062
Avge	.00121	.00038	-.00053	-.00006	-.00281	-.00006	.00066
SDev	.00007	.00001	.00029	.00014	.00187	.00006	.00010
%RSD	5.5358	2.2538	54.592	218.21	66.426	99.837	14.427
#1	.00128	.00039	-.00070	.00000	-.00358	.00000	.00055
#2	.00121	.00037	-.00068	.00003	-.00068	-.00007	.00073
#3	.00115	.00039	-.00019	-.00023	-.00418	-.00013	.00070
Elem	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2	1960/1
Avge	.04792	.00309	-.00077	.00012	.00260	.00155	-.00296
SDev	.00037	.00150	.00188	.00011	.00169	.00072	.00025
%RSD	.77998	48.501	243.72	95.870	64.893	46.529	8.5036
#1	.04833	.00481	-.00015	.00023	.00449	.00127	-.00276
#2	.04783	.00235	.00072	.00000	.00124	.00101	-.00287
#3	.04760	.00211	-.00289	.00013	.00208	.00237	-.00324
Elem	1960/2						
Avge	.00142						
SDev	.00098						
%RSD	69.050						
#1	.00029						
#2	.00189						
#3	.00208						

Sample: 101

Standard: STDIA

Elem	Se2060	As1890	Ba4934	Ba3130	Cd2265	Cr2677	Co2286
Avge	.07480	.05981	.06328	.30637	.95897	.13690	.04658
SDev	.00032	.00300	.00019	.00087	.00441	.00027	.00008
%RSD	.42663	5.0193	.29955	.28265	.45938	.20026	.17620

#1	.07482	.06003	.06308	.30537	.95401	.13688	.04649
#2	.07447	.06270	.06330	.30686	.96047	.13663	.04665
#3	.07510	.05671	.06346	.30688	.96243	.13718	.04661

Elem	Cu3247	Mn2576	Ni2316	Ag3280	Tl1908	V_2924	Zn2062
Avge	.02820	.10049	.20657	.00922	.04553	.04812	.05264
SDev	.00009	.00029	.00066	.00006	.00130	.00014	.00022
%RSD	.31627	.29052	.32096	.62972	2.8621	.29524	.41939

#1	.02813	.10017	.20587	.00916	.04581	.04795	.05238
#2	.02816	.10054	.20718	.00923	.04667	.04819	.05277
#3	.02830	.10075	.20667	.00927	.04411	.04820	.05276

Elem	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2	1960/1
Avge	.12594	.29506	.09344	.12502	.24202	.27223	.02573
SDev	.00039	.00275	.00104	.00045	.00169	.00063	.00107
%RSD	.31089	.93228	1.1174	.35819	.69700	.23170	4.1428

#1	.12571	.29482	.09417	.12451	.24031	.27216	.02682
#2	.12573	.29793	.09224	.12527	.24207	.27164	.02567
#3	.12640	.29244	.09390	.12529	.24369	.27289	.02469

Elem	1960/2
Avge	.02328
SDev	.00017
%RSD	.74848

#1	.02308
#2	.02333
#3	.02342

Method: A7

Standard: STD00

Elem	Sb2068	As1890	Ba4934	Be3130	Cd2265	Cr2877	Co2161
Avg	.74210	.62506	.64154	3.0101	9.6785	1.3836	.47254
SDev	.00150	.00200	.00246	.0097	.0248	.0041	.00136
%RSD	.20268	.31985	.38311	.32236	.25576	.29835	.28794

#1	.74365	.62483	.64415	3.0199	9.6975	1.3878	.47372
#2	.74064	.62318	.63926	3.0005	9.6505	1.3795	.47111
#3	.74203	.62716	.64121	3.0099	9.6875	1.3834	.47308

Elem	Cu3247	Mn2576	Ni2316	Ag3280	Tl1908	V_2924	Zn2062
Avg	.27872	1.0086	2.1023	.09586	.49847	.48697	.52522
SDev	.00105	.0033	.0064	.00019	.00017	.00137	.00173
%RSD	.37782	.32256	.30425	.20165	.03320	.28093	.32934

#1	.27990	1.0118	2.1051	.09603	.49865	.48837	.52614
#2	.27787	1.0053	2.0950	.09565	.49832	.48564	.52323
#3	.27839	1.0087	2.1068	.09591	.49845	.48689	.52630

Elem	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2	1960/1
Avg	.83893	2.9738	.94944	1.2621	2.4046	2.7623	.29543
SDev	.00285	.0056	.00064	.0043	.0026	.0108	.00019
%RSD	.33940	.18745	.06685	.33751	.10973	.38994	.06605

#1	.84065	2.9758	.94986	1.2665	2.4034	2.7722	.29562
#2	.83564	2.9674	.94871	1.2580	2.4027	2.7509	.29523
#3	.84050	2.9780	.94975	1.2617	2.4076	2.7639	.29543

Elem	1960/2
Avg	.22144
SDev	.00101
%RSD	.45646

#1	.22031
#2	.22174
#3	.22227

#1	2.2066
#2	2.2016
#3	2.1417

Analysis Report

Wed Oct 10 16:05:34 2006 000435 1

Sample Name: 117 ✓

Date: 10/10/2006 17:37:21

Comment:

Unit: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.654	2.5880	2.6077	2.5545	2.6626	2.4784	25.469
SDev	.039	.0077	.0090	.0015	.0042	.0033	.049
%RSD	.15850	.29651	.34571	.05960	.15949	.13440	.19120

#1	24.615	2.5908	2.5974	2.5553	2.6578	2.4746	25.417
#2	24.654	2.5939	2.6116	2.5554	2.6640	2.4797	25.476
#3	24.693	2.5793	2.6141	2.5527	2.6659	2.4809	25.514

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5149	2.4883	2.5214	25.233	24.668	2.5050	2.4792
SDev	.0039	.0041	.0007	.035	.012	.0038	.0046
%RSD	.15341	.16550	.02777	.14051	.04921	.15120	.18697

#1	2.5109	2.4836	2.5207	25.192	24.672	2.5008	2.4739
#2	2.5152	2.4907	2.5221	25.246	24.654	2.5060	2.4824
#3	2.5186	2.4908	2.5214	25.259	24.678	2.5082	2.4813

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.613	.25461	2.4710	2.5362	25.036	2.5023	2.5969
SDev	.056	.00001	.0051	.0101	.214	.0096	.0019
%RSD	.24558	.00351	.20588	.39821	.85417	.38184	.07493

#1	22.580	.25461	2.4666	2.5414	24.795	2.5027	2.5947
#2	22.581	.25461	2.4699	2.5425	25.106	2.4926	2.5985
#3	22.677	.25462	2.4766	2.5245	25.205	2.5117	2.5974

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5052	2.6898	2.5837	2.6223	2.5997	2.4672	2.4724
SDev	.0054	.0042	.0049	.0036	.0011	.0012	.0074
%RSD	.21410	.15681	.18955	.13903	.04097	.04963	.29979

#1	2.4997	2.6861	2.5784	2.6182	2.5935	2.4677	2.4655
#2	2.5060	2.6944	2.5881	2.6251	2.6005	2.4659	2.4714
#3	2.5102	2.6982	2.5845	2.6236	2.6002	2.4682	2.4822

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	2.5487	2.5295
SDev	.0017	.0017
%RSD	.16337	.13395

#1	2.5532	2.5351
#2	2.5480	2.5394
#3	2.5450	2.5132

Analysis Report

Wed 04-10-96 05:49:47 PM

Page: 1

Method: AAS Sample Number: 10030

Run Time: 04/10/96 11:41:37

Operator: Jap

Comments:

Mode: CMMO Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	489.30	.00642	.00359	.00254	.00258	.00432	491.31
SDev	.77	.00098	.00282	.00009	.00011	.00035	1.44
%RSD	.15688	15.324	78.414	3.6643	4.2383	8.1561	.29313

#1	489.76	.00573	.00385	.00262	.00269	.00444	489.71
#2	489.73	.00598	.00066	.00256	.00259	.00459	492.50
#3	488.41	.00755	.00627	.00244	.00247	.00392	491.72

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00655	.00167	.01169	245.57	489.05	.00946	.00293
SDev	.00032	.00024	.00019	.47	.77	.00009	.00065
%RSD	4.9069	14.393	1.6178	.19008	.15835	.93279	22.370

#1	.00680	.00185	.01189	245.08	489.73	.00956	.00367
#2	.00666	.00177	.01153	246.02	489.22	.00943	.00271
#3	.00619	.00140	.01164	245.61	488.21	.00939	.00242

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	245.93	.00053	-.00113	.01022	246.24	.00018	-.00955
SDev	.83	.00032	.00105	.00440	.37	.00312	.00026
%RSD	.33619	59.607	93.394	42.998	.14979	1719.9	2.7421

#1	245.84	.00088	-.00232	.01463	246.13	-.00194	-.00930
#2	246.79	.00043	-.00073	.01021	246.65	.00377	-.00982
#3	245.15	.00027	-.00034	.00584	245.94	-.00128	-.00953

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00682	.00324	.02381	.00520	.00079	.04120	-.02280
SDev	.00038	.00125	.00094	.00209	.00025	.00176	.00238
%RSD	5.6014	38.484	3.9562	40.079	32.135	4.2684	10.434

#1	.00697	.00424	.02461	.00583	.00099	.04285	-.02540
#2	.00710	.00363	.02278	.00690	.00088	.04140	-.02228
#3	.00688	.00184	.02406	.00288	.00050	.03830	-.02072

Elem	1910/1	1960/2
Units	ppm	ppm
Avg	.00509	.01232
SDev	.00097	.00683
%RSD	17.989	55.461

#1	.00417	.01939
#2	.00600	.01185
#3	.00510	.00574

Method: 100 Sample Name: Job
 Run Date: 01-10-96 17:40:52
 Command: Calibration Blank
 Model: CONO Corr. Factor: 1

Operator: fup

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12572	.00167	-.00024	.00036	.00034	.00031	-.08834
SDev	.00206	.00083	.00116	.00008	.00002	.00005	.00159
%RSD	1.6382	49.431	493.28	22.136	6.5106	14.357	1.8031

#1	.12383	.00169	-.00147	.00038	.00032	.00036	-.08752
#2	.12791	.00084	-.00007	.00027	.00034	.00030	-.08733
#3	.12542	.00249	.00084	.00043	.00036	.00027	-.09018

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00037	.00031	-.06169	.02692	.00029	.00031
SDev	.00012	.00023	.00013	.00049	.00379	.00001	.00027
%RSD	51.344	61.804	40.747	.79534	14.096	3.2015	88.172

#1	.00012	.00041	.00027	-.06168	.02709	.00028	.00043
#2	.00023	.00058	.00021	-.06120	.03062	.00030	-.00000
#3	.00036	.00013	.00045	-.06218	.02304	.00030	.00049

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.91414	-.00009	.00036	.00225	.55415	.00085	.00044
SDev	.01339	.00024	.00057	.00173	.02854	.00194	.00010
%RSD	1.4645	257.35	157.95	76.916	5.1503	227.69	23.395

#1	.92955	-.00017	.00091	.00164	.58708	.00285	.00033
#2	.90751	.00017	.00040	.00419	.53876	-.00102	.00047
#3	.90536	-.00028	-.00023	.00090	.53661	.00072	.00053

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.00335	.00034	-.00016	.00033	-.00102	.00061
SDev	.00018	.00043	.00064	.00090	.00003	.00077	.00049
%RSD	144.05	12.874	188.39	568.77	8.0304	75.949	81.284

#1	-.00008	.00354	.00006	.00002	.00030	-.00017	.00101
#2	.00027	.00366	-.00011	.00064	.00033	-.00119	.00075
#3	.00013	.00236	.00106	-.00114	.00035	-.00166	.00066

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00184	.00205
SDev	.00610	.00301
%RSD	331.94	146.66

#1	.00695	-.00140
#2	.00348	.00415
#3	-.00492	.00341

Method: ICP

Sample Name: CSI

Operator: jmb

Run Time: 04/10/96 11:57:06

Comment:

Unit: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10987	.11737	.02054	.00020	.01044	.01121	-.10580
SDev	.00263	.00037	.00199	.00006	.00021	.00019	.00210
%RSD	2.3913	.31716	9.7008	29.527	2.0379	1.7146	1.9825

#1	.11272	.11780	.02282	.00027	.01041	.01116	-.10343
#2	.10755	.11720	.01918	.00017	.01025	.01104	-.10652
#3	.10935	.11711	.01961	.00017	.01067	.01142	-.10743

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02006	.10020	.05049	-.06713	.01433	.03061	.08011
SDev	.00031	.00151	.00088	.00375	.00120	.00047	.00101
%RSD	1.5270	1.5018	1.7431	5.5895	8.4103	1.5245	1.2599

#1	.02018	.09996	.05047	-.06302	.01535	.03055	.07991
#2	.01971	.09883	.04962	-.07037	.01463	.03018	.07922
#3	.02028	.10181	.05138	-.06800	.01300	.03111	.08121

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.83931	.02042	.00701	.00826	.37324	.02181	.10221
SDev	.03797	.00076	.00040	.00281	.22617	.00154	.00185
%RSD	4.5244	3.7177	5.7513	34.092	60.596	7.0696	1.8071

#1	.84466	.02057	.00682	Q.00748	.42318	.02358	.10169
#2	.79895	.01959	.00673	.01138	.12628	.02084	.10069
#3	.87433	.02109	Q.00747	Q.00591	.57026	.02099	.10427

Elem	Zn2062	E_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03830	.00463	-.00054	.00061	.00014	.00845	.00580
SDev	.00070	.00098	.00043	.00053	.00007	.00056	.00041
%RSD	1.8388	21.235	80.030	86.802	48.878	6.5840	7.1124

#1	.03829	.00493	-.00025	.00103	.00022	.00859	.00544
#2	.03760	.00353	-.00103	.00001	.00009	.00783	.00570
#3	.03905	.00543	-.00033	.00078	.00012	.00892	.00635

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.01043	.00678
SDev	.00031	.00420
%RSD	2.9715	61.913

#1	.01041	.00752
#2	.01235	.01055
#3	.01243	.00226

Order ref: 706

200262

Analysis Report

QC Standard

Wed 04-10-94 06:10:46 PM

page 1

Method: ICP Sample Name: ionab
 Run Time: 04/10/94 18:05:35
 Comment:
 Model: CONO Corr. Factor: 1

Operator: jml

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q508.65	Q.00207	Q-.00131	Q.53687	Q.54796	Q.95310	Q518.77
SDev	1.11	.00242	.00192	.00073	.00092	.00176	1.13
%RSD	.21780	116.91	146.18	.13614	.16857	.18467	.21720

#1	Q509.88	Q.00362	Q-.00337	.53771	Q.54889	Q.95460	Q519.85
#2	Q508.36	Q-.00072	Q.00042	Q.53656	Q.54795	Q.95353	Q518.86
#3	Q507.72	Q.00331	Q-.00099	Q.53635	Q.54704	Q.95116	Q517.61

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.49353	Q.47234	.54479	Q201.85	Q519.87	Q.49618	Q.91425
SDev	.00100	.00086	.00092	.38	.90	.00092	.00342
%RSD	.20306	.18238	.16836	.18710	.17286	.18503	.37393

#1	Q.49438	Q.47305	.54578	Q202.22	Q520.86	Q.49714	Q.91538
#2	Q.49380	Q.47259	.54460	Q201.85	Q519.63	Q.49609	Q.91695
#3	Q.49243	Q.47138	.54398	Q201.47	Q519.11	Q.49531	Q.91041

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q1.1316	Q1.1224	Q.93323	Q.00832	Q3.6598	Q-.00477	Q.51333
SDev	.0088	.0023	.00342	.00593	.0869	.00279	.00089
%RSD	.77601	.20827	.36677	71.281	2.3746	58.558	.17269

#1	Q1.1390	Q1.1250	Q.93679	Q.00228	Q3.7059	Q-.00699	Q.51434
#2	Q1.1340	Q1.1215	Q.93294	Q.00854	Q3.7140	Q-.00570	Q.51299
#3	Q1.1219	Q1.1206	Q.92996	Q.01414	Q3.5596	Q-.00163	Q.51267

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.95084	Q.00800	Q.01868	Q.00451	Q-.00016	.96815	.91528
SDev	.00098	.00049	.00173	.00178	.00008	.00224	.00462
%RSD	.10352	6.1537	9.2868	39.606	50.897	.23130	.50513

#1	Q.95155	Q.00844	Q.01928	Q.00657	Q-.00007	.97035	.91950
#2	Q.95126	Q.00809	Q.02003	Q.00355	Q-.00017	.96588	.91598
#3	Q.94972	Q.00747	Q.01472	Q.00340	Q-.00023	.96832	.91437

Elem	Se1960/1	1960/2
Units	ppm	ppm
Avge	Q.00450	.00877
SDev	.00344	.00800
%RSD	77.799	91.029

#1	.00591	-.00001
#2	.00339	.01065
#3	.01021	.01565

Analysis Report

QC Standard

Wed 04-10-2008 09:10:01 PM

page 1

Method: TAL Sample Name: QCV
 Run Time: 04/10/2008 10:10:50
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.536	5.1979	5.2516	5.0486	5.2542	4.8935	50.341
SDev	.035	.0058	.0103	.0051	.0069	.0080	.049
%RSD	.06980	.11084	.19598	.10036	.13083	.16278	.09747
#1	49.568	5.2008	5.2420	5.0543	5.2565	4.8939	50.324
#2	49.541	5.2016	5.2502	5.0468	5.2595	4.9012	50.397
#3	49.499	5.1913	5.2625	5.0446	5.2464	4.8853	50.303
Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.9655	4.9292	5.0048	54.851	50.054	4.8949	4.8585
SDev	.0057	.0044	.0062	.075	.042	.0056	.0072
%RSD	.11480	.09016	.12469	.13594	.08445	.11378	.14768
#1	4.9664	4.9291	5.0113	54.858	50.091	4.8968	4.8596
#2	4.9707	4.9337	5.0042	54.922	50.063	4.8993	4.8650
#3	4.9594	4.9248	4.9989	54.774	50.008	4.8887	4.8508
Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.899	.50699	4.9227	5.1707	51.254	4.9398	5.1362
SDev	.301	.00135	.0231	.0265	.213	.0201	.0041
%RSD	.61545	.026556	.46892	.51175	.41564	.40745	.07939
#1	49.020	.50800	4.9264	5.1660	51.435	4.9166	5.1380
#2	49.120	.50751	4.9438	5.1991	51.308	4.9509	5.1391
#3	48.556	.50546	4.8980	5.1468	51.019	4.9520	5.1316
Elem	Zn2062	Sr_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.9101	5.4078	5.0719	5.1145	5.1265	4.9119	4.9277
SDev	.0096	.0038	.0033	.0094	.0037	.0239	.0227
%RSD	.19461	.07074	.06531	.18282	.07188	.48584	.46060
#1	4.9039	5.4090	5.0681	5.1120	5.1285	4.9163	4.9310
#2	4.9168	5.4109	5.0733	5.1249	5.1289	4.9333	4.9485
#3	4.9007	5.4035	5.0743	5.1067	5.1233	4.8862	4.9035
Elem	1960/2	1960/2					
Units	ppm	ppm					
Avg	5.1078	5.1517					
SDev	.0037	.0037					
%RSD	.00723	.00713					
#1	5.1089	5.1541					
#2	5.1077	5.1535					
#3	5.1067	5.1495					

Method: IAL Sample Name: 200265
 Run Time: 04/10/96 16:11:00
 Operator: Jde
 Model: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1680	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18163	.00281	.00305	.00148	.00148	.00154	-.03168
SDev	.04243	.00139	.00090	.00068	.00066	.00063	.04587
%RSD	23.363	49.527	29.877	45.918	44.438	41.190	144.80
#1	.13589	.00268	.00239	.00080	.00083	.00092	-.07871
#2	H.21972	.00427	.00268	.00216	.00214	.00218	.01293
#3	.18927	.00150	.00408	.00148	.00147	.00151	-.02925
Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00146	.00156	.00145	-.03747	.08345	.00142	.00126
SDev	.00074	.00079	.00077	.02415	.04375	.00066	.00053
%RSD	50.568	50.755	53.411	64.468	52.419	46.617	42.460
#1	.00078	.00069	.00072	-.06520	.03799	.00077	.00076
#2	.00225	.00224	.00227	-.02104	.12525	.00210	.00182
#3	.00134	.00174	.00136	-.02616	.08712	.00140	.00119
Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.89093	.00051	.00171	.00212	.58020	.00570	.00170
SDev	.00901	.00034	.00066	.00377	.04738	.00255	.00076
%RSD	1.0116	67.124	50.395	177.98	8.1667	44.665	44.857
#1	.89676	.00035	.00073	H.00620	.62953	.00653	.00088
#2	.89547	.00028	.00233	.00137	.57605	.00774	.00238
#3	.88055	.00091	.00207	-.00122	.53504	.00285	.00184
Elem	In2062	B_2496	Mo2000	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00166	.00779	.00326	.00275	.00151	.00254	.00085
SDev	.00057	.00125	.00123	.00075	.00070	.00086	.00151
%RSD	34.261	16.062	38.573	27.121	46.276	33.924	177.99
#1	.00110	.00883	.00465	.00189	.00083	.00278	-.00075
#2	.00224	.00813	.00282	.00325	.00222	.00158	.00225
#3	.00164	.00647	.00273	.00309	.00146	.00325	.00104
Elem	1960/1	1960/2					
Units	ppm	ppm					
Avg	.00214	.00171					
SDev	.00110	.00087					
%RSD	51.706	34.152					
#1	.00118	.00331					
#2	.00334	.00001					
#3	.00189	-.00017					

Method: TAL Sample Name: 61369001;;;cr6

Operator: jmb

Run Time: 04/10/96 18:21:19

Comment:

Model: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15758	.02247	.00498	.29808	.00067	.00040	68.509
SDev	.01156	.00096	.00239	.00891	.00025	.00020	1.942
%RSD	7.3384	4.2699	48.012	2.9905	37.794	48.713	2.8345

#1	.16882	.02357	.00768	.30769	.00093	.00062	70.617
#2	.15820	.02197	.00415	.29645	.00064	.00037	68.119
#3	.14571	.02186	.00312	.29009	.00043	.00023	66.793

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00038	.00178	.00378	.06099	15.276	.09309	.01433
SDev	.00019	.00025	.00200	.00203	.423	.00678	.00106
%RSD	50.289	13.904	52.979	3.3288	2.7662	7.2799	7.4087

#1	.00059	.00203	.00604	.05900	15.747	.10053	.01554
#2	.00025	.00176	.00307	.06306	15.152	.09147	.01393
#3	.00029	.00154	.00223	.06090	14.929	.08727	.01353

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.2253	-.00054	.00034	.00448	172.27	.00420	.00347
SDev	.2470	.00059	.00021	.00061	4.66	.00334	.00047
SD	3.4179	109.18	62.937	13.515	2.7061	79.506	13.524

#1	7.5064	-.00028	.00036	.00389	177.48	.00766	.00400
#2	7.1261	-.00122	.00053	.00510	170.86	.00394	.00311
#3	7.0434	-.00013	.00011	.00446	168.48	.00100	.00329

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04374	.39671	.01149	.00442	.00058	-.00135	.00072
SDev	.00230	.01188	.00079	.00042	.00017	.00253	.00147
%RSD	5.2469	2.9939	6.8787	9.4736	29.952	188.19	203.58

#1	.04634	.41017	.01213	.00417	.00075	.00091	-.00038
#2	.04288	.39227	.01061	.00491	.00040	-.00409	.00239
#3	.04199	.38770	.01172	.00419	.00059	-.00086	.00013

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00734	.00266
SDev	.00324	.00202
%RSD	44.115	76.211

#1	.00612	.00237
#2	.00489	.00481
#3	.01101	.00079

Method: TAL Sample Name: 61186001;10x;:recupb Operator: jmb
 Run Time: 04/10/96 18:26:34
 Comment:
 de: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.8431	.01801	.01719	.01852	.00027	.00308	2.8347
SDev	.0571	.00105	.00211	.00011	.00002	.00004	.0193
%RSD	.72763	5.8131	12.281	.60840	6.9405	1.2597	.67964

#1	7.8664	.01861	.01858	.01859	.00027	.00309	2.8441
#2	7.8848	.01861	.01476	.01858	.00025	.00311	2.8475
#3	7.7780	.01680	.01823	.01839	.00028	.00303	2.8125

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03785	.00603	4.8876	39.976	.38402	.50571	.01147
SDev	.00034	.00023	.0341	.294	.00375	.00360	.00009
%RSD	.90954	3.8792	.69819	.73607	.97636	.71086	.75337

#1	.03773	.00582	4.9084	40.131	.37987	.50731	.01156
#2	.03824	.00628	4.9062	40.160	.38716	.50823	.01139
#3	.03758	.00600	4.8482	39.636	.38502	.50159	.01147

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.88447	.00078	2.6071	.00071	.25032	.00164	.04468
SDev	.02131	.00012	.0268	.00395	.11158	.00180	.00033
%RSD	2.4092	15.863	1.0262	560.41	44.576	110.36	.74641

#1	.90524	.00077	2.6280	.00195	.33277	-.00040	.04450
#2	.88553	.00090	2.6164	.00389	.29484	.00303	.04506
#3	.86266	.00066	2.5769	-.00372	.12335	.00229	.04448

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.90353	.00705	.00547	.10538	.04582	2.5965	2.6120
SDev	.00636	.00080	.00022	.00117	.00039	.0239	.0282
%RSD	.70384	11.270	4.1068	1.1077	.84985	.92217	1.0798

#1	.90584	.00764	.00522	.10543	.04604	2.6167	2.6332
#2	.90840	.00737	.00553	.10652	.04605	2.6027	2.6227
#3	.89601	.00615	.00565	.10418	.04507	2.5701	2.5700

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00148	-.00007
SDev	.00179	.00536
%RSD	120.64	8026.8

#1	.00330	.00088
#2	.00137	.00476
#3	-.00025	-.00584

Method: IAL Sample Name: 61186002p;;;+2Cu Operator: jmb
 Run Time: 04/10/96 18:31:48
 Comment:
 de: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	63.075	.01836	.17012	.11068	.00228	.00384	28.665
SDev	.504	.00055	.00392	.00091	.00005	.00012	.216
%RSD	.79935	2.9666	2.3045	.82164	1.9672	3.2168	.75285

#1	63.654	.01841	.17464	.11172	.00233	.00373	28.914
#2	62.836	.01779	.16781	.11021	.00224	.00397	28.538
#3	62.735	.01887	.16789	.11010	.00227	.00381	28.542

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.33217	.04375	3.7657	153.43	4.5246	4.1129	.06229
SDev	.00239	.00033	.0348	1.25	.0282	.0337	.00035
%RSD	.71834	.75060	.92493	.81448	.62427	.81960	.56623

#1	.33492	.04412	3.8057	154.88	4.5572	4.1518	.06266
#2	.33075	.04364	3.7491	152.71	4.5082	4.0949	.06195
#3	.33083	.04349	3.7422	152.71	4.5085	4.0920	.06227

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.3005	-.00022	.35493	.01289	-.15151	.00719	.48545
SDev	.0244	.00054	.00098	.00186	.04216	.00137	.00428
%RSD	.73780	242.09	.27650	14.443	27.827	19.034	.88185

#1	3.3274	-.00085	.35597	.01090	-.10289	.00690	.49039
#2	3.2798	.00006	.35401	.01317	-.17800	.00868	.48317
#3	3.2944	.00012	.35481	.01459	-.17363	.00599	.48278

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.30504	.00888	.02470	.06075	.29106	.35904	.35248
SDev	.00212	.00044	.00117	.00042	.00253	.00264	.00068
%RSD	.69467	4.9554	4.7256	.68647	.86815	.73472	.19387

#1	.30749	.00916	.02579	.06050	.29396	.36208	.35251
#2	.30382	.00837	.02347	.06123	.28931	.35770	.35178
#3	.30380	.00911	.02484	.06052	.28992	.35735	.35315

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00703	.01546
SDev	.00217	.00214
%RSD	30.941	13.847

#1	.00601	.01299
#2	.00556	.01662
#3	.00953	.01676

Analysis Report

Wed 04-10-96 06:42:13 PM

page 1

Method: TAL

Sample Name: 61186007:5x:recu

Operator: jmb

Run Time: 04/10/96 18:27:07

Comment:

de: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.647	.00435	.04169	.07380	.00065	.00102	54.925
SDev	.061	.00131	.00068	.00037	.00001	.00004	.257
%RSD	.39033	30.086	1.6331	.49675	1.6334	4.0386	.46838

#1	15.716	.00287	.04247	.07419	.00065	.00104	55.184
#2	15.620	.00537	.04119	.07375	.00066	.00105	54.920
#3	15.603	.00479	.04142	.07346	.00064	.00097	54.669

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08723	.00920	3.6225	34.064	.93745	.65296	.01637
SDev	.00052	.00030	.0177	.170	.00505	.00278	.00002
%RSD	.59808	3.2424	.48880	.50031	.53857	.42622	.14750

#1	.08777	.00927	3.6427	34.241	.94255	.65602	.01635
#2	.08718	.00946	3.6151	34.050	.93737	.65226	.01635
#3	.08673	.00887	3.6098	33.901	.93245	.65058	.01639

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1187	.00004	.20884	-.00009	1.4165	.00140	.11932
SDev	.0113	.00032	.00162	.00213	.1235	.00270	.00078
%RSD	1.0115	750.85	.77369	2435.0	8.7201	192.94	.65824

#1	1.1257	-.00005	.21053	.00218	1.4478	-.00139	.12008
#2	1.1248	.00040	.20869	-.00038	1.5214	.00159	.11937
#3	1.1057	-.00022	.20731	-.00206	1.2804	.00400	.11851

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.58715	.00449	.00476	.00693	.08328	.20916	.20823
SDev	.00351	.00068	.00063	.00062	.00078	.00096	.00195
%RSD	.59748	15.237	13.163	8.9661	.94281	.45825	.93525

#1	.59088	.00430	.00415	.00727	.08405	.21021	.21024
#2	.58665	.00524	.00540	.00731	.08331	.20895	.20808
#3	.58291	.00397	.00474	.00622	.08248	.20833	.20636

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00213	-.00159
SDev	.00286	.00280
%RSD	134.44	176.49

#1	.00246	.00164
#2	.00481	-.00336
#3	-.00089	-.00303

Method: TAL Sample Name: 61186006;100x;treoup Operator: jmb
 Run Time: 04/10/96 18:42:17
 Count: 11
 Lab: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3881	.01041	.00021	.01864	.00009	.00146	1.2931
SDev	.0102	.00070	.00011	.00014	.00000	.00008	.0054
%RSD	.42618	6.7518	53.528	.74372	4.6773	5.3127	.41672

#1	2.3963	.01013	.00008	.01865	.00009	.00154	1.2979
#2	2.3914	.01121	.00027	.01878	.00009	.00146	1.2940
#3	2.3767	.00988	.00027	.01850	.00009	.00139	1.2873

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00541	.00069	7.8796	3.4196	.10129	.02549	.00414
SDev	.00007	.00034	.0243	.0127	.00436	.00017	.00008
%RSD	1.3936	49.175	.30890	.37268	4.3038	.65512	2.0238

#1	.00540	.00109	7.8987	3.4181	.10090	.02564	.00404
#2	.00548	.00048	7.8879	3.4330	.09713	.02553	.00418
#3	.00533	.00051	7.8522	3.4076	.10582	.02531	.00419

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.93908	.00025	.60527	-.00005	.98241	.00081	.00147
SDev	.00540	.00021	.00048	.00136	.00761	.00054	.00012
SD	.57520	84.229	.07976	2488.5	.77426	67.440	7.9724

#1	.94089	.00028	.60578	-.00100	.98529	.00080	.00154
#2	.94335	.00003	.60521	.00150	.98816	.00027	.00133
#3	.93301	.00045	.60482	-.00067	.97379	.00136	.00153

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20087	.00396	.00147	.01206	.03513	.60235	.60627
SDev	.00068	.00029	.00048	.00110	.00002	.00191	.00056
%RSD	.33881	7.3607	32.379	9.1437	.04544	.31706	.09246

#1	.20162	.00416	.00137	.01318	.03514	.60451	.60596
#2	.20069	.00363	.00199	.01097	.03511	.60087	.60692
#3	.20030	.00410	.00105	.01201	.03512	.60169	.60593

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00163	-.00130
SDev	.00213	.00301
%RSD	130.82	232.26

#1	.00196	-.00287
#2	-.00065	.00217
#3	.00357	-.00319

Method: IAL Sample Name: A1186009;25x;;recu Operator: jmb
 Run Time: 04/10/96 18:47:21
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.7377	.00147	.00673	.01517	.00008	.00041	.87266
SDev	.0234	.00114	.00106	.00015	.00004	.00009	.00881
%RSD	.85588	77.381	15.732	.99898	46.253	20.605	1.0098
#1	2.7646	.00171	.00566	.01535	.00012	.00051	.88283
#2	2.7219	.00023	.00675	.01509	.00006	.00037	.86733
#3	2.7266	.00248	.00777	.01508	.00006	.00036	.86781

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01474	.00245	2.4722	6.8957	.11112	.24208	.00302
SDev	.00016	.00013	.0164	.0580	.00159	.00178	.00014
%RSD	1.1029	5.3887	.66342	.84147	1.4287	.73459	4.7366
#1	.01490	.00254	2.4906	6.9609	.11294	.24411	.00302
#2	.01458	.00230	2.4591	6.8498	.11007	.24079	.00289
#3	.01472	.00251	2.4668	6.8763	.11034	.24133	.00317

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.86796	-.00014	.18616	.00032	.40973	.00149	.01968
SDev	.03623	.00012	.00217	.00210	.14375	.00190	.00011
%RSD	4.1740	88.460	1.1665	657.05	35.083	127.25	.54827
#1	.90979	-.00002	.18866	-.00166	.56858	-.00069	.01959
#2	.84685	-.00012	.18471	.00251	.28860	.00243	.01980
#3	.84723	-.00026	.18511	.00011	.37202	.00275	.01965

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08105	.00126	.00147	.01300	.01227	.18540	.18610
SDev	.00077	.00103	.00028	.00126	.00018	.00174	.00238
%RSD	.94964	81.360	19.292	9.7127	1.4820	.93827	1.2808
#1	.08192	.00244	.00179	.01407	.01245	.18740	.18884
#2	.08048	.00056	.00138	.01160	.01209	.18421	.18453
#3	.08074	.00073	.00124	.01331	.01227	.18459	.18483

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00247	-.00114
SDev	.00544	.00095
%RSD	220.27	82.981
#1	-.00349	-.00114
#2	.00716	-.00020
#3	.00374	-.00210

Analysis Report

Wed 04-10-96 06:57:57 PM

page 1

Method: IAI

Sample Name: 61186010;10x;recu

Operator: jmb

Run Time: 04/10/96 18:52:46

Command:

Order CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7044	.00434	.02571	.02428	.00027	.00079	5.8295
SDev	.0152	.00110	.00220	.00005	.00001	.00003	.0139
%RSD	.15664	25.390	8.5584	.20931	3.3643	3.7401	.23877

#1	9.6939	.00559	.02598	.02423	.00026	.00080	5.8145
#2	9.7218	.00353	.02338	.02428	.00027	.00082	5.8420
#3	9.6974	.00389	.02776	.02434	.00027	.00076	5.8319

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04958	.00711	3.2930	22.234	.57927	.74178	.01129
SDev	.00026	.00021	.0041	.064	.00162	.00168	.00019
%RSD	.53159	3.0088	.12469	.28624	.27917	.22642	1.7239

#1	.04927	.00702	3.2901	22.161	.57833	.73986	.01113
#2	.04971	.00735	3.2977	22.277	.58114	.74294	.01122
#3	.04975	.00695	3.2912	22.264	.57834	.74256	.01150

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99256	.00008	.48080	.00161	.00858	.00139	.06679
SDev	.01249	.00013	.00065	.00055	.03840	.00091	.00014
%RSD	1.2579	161.51	.13551	33.984	447.78	65.724	.21581

#1	.97933	-.00004	.48078	.00129	-.02074	.00221	.06663
#2	.99423	.00023	.48015	.00224	.05204	.00040	.06690
#3	1.0041	.00006	.48146	.00129	-.00558	.00155	.06685

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16736	.00036	.00293	.01502	.03698	.47918	.48118
SDev	.00047	.00031	.00074	.00017	.00005	.00075	.00123
%RSD	.27912	84.150	25.281	1.1404	.13295	.15639	.25544

#1	.16695	.00001	.00374	.01515	.03696	.47848	.48151
#2	.16726	.00057	.00228	.01482	.03704	.47997	.47982
#3	.16787	.00051	.00276	.01508	.03694	.47910	.48021

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00348	.00029
SDev	.00078	.00174
%RSD	22.157	592.49

#1	.00613	-.00150
#2	.00515	.00040
#3	-.00085	.00198

000217A

Method: TAL Sample Name: 61186011ms;10x;recu Operator: jmb
 Run Time: 04/10/96 18:58:01
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.460	.04515	.03112	.21723	.00514	.00552	11.969
SDev	.063	.00077	.00122	.00094	.00006	.00001	.076
%RSD	.55221	1.7037	3.9145	.43086	1.2184	.20453	.63895

#1	11.387	.04444	.03019	.21621	.00507	.00552	11.882
#2	11.496	.04504	.03250	.21743	.00518	.00551	11.997
#3	11.497	.04597	.03068	.21805	.00517	.00553	12.026

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07371	.05314	1.2277	29.843	1.6460	.81715	.05952
SDev	.00042	.00051	.0052	.176	.0080	.00458	.00059
%RSD	.57459	.95443	.42165	.58969	.48341	.56049	.98666

#1	.07326	.05255	1.2218	29.645	1.6373	.81194	.05892
#2	.07376	.05346	1.2313	29.902	1.6530	.81898	.05954
#3	.07410	.05339	1.2301	29.982	1.6476	.82053	.06010

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3227	.00463	2.5001	.00131	1.0360	.00745	.12392
SDev	.0393	.00047	.0207	.00337	.1425	.00135	.00074
%RSD	1.6908	10.122	.82721	257.04	13.753	18.084	.59951

#1	2.2779	.00411	2.4764	.00518	.87402	.00640	.12308
#2	2.3391	.00503	2.5144	-.00104	1.0922	.00897	.12449
#3	2.3511	.00473	2.5095	-.00020	1.1419	.00698	.12413

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27762	.04457	.04835	.37156	.11033	2.4883	2.5055
SDev	.00193	.00114	.00023	.00230	.00070	.0181	.0224
%RSD	.69538	2.5628	.48152	.61783	.63584	.72714	.89260

#1	.27546	.04328	.04862	.36991	.10958	2.4676	2.4803
#2	.27823	.04499	.04822	.37418	.11043	2.4961	2.5230
#3	.27919	.04545	.04822	.37058	.11097	2.5012	2.5130

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00122	.00098
SDev	.00421	.00443
%RSD	345.56	452.33

#1	.00410	.00534
#2	.00317	-.00353
#3	-.00362	.00113

Analysis Report

Wed 04-10-96 07:08:27 PM 000312 1

Method: TAL Sample Name: 61186012dup;10x;1rec Operator: jmb
 Run Time: 04/10/96 19:03:16
 Comment:
 de: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.1599	.00593	.02534	.02386	.00033	.00079	6.3479
SDev	.0908	.00112	.00223	.00024	.00003	.00009	.0661
%RSD	.99113	18.816	8.7880	.99572	10.328	11.585	1.0414

#1	9.2091	.00542	.02393	.02398	.00034	.00090	6.3833
#2	9.2155	.00721	.02791	.02403	.00035	.00075	6.3887
#3	9.0552	.00516	.02419	.02359	.00029	.00072	6.2716

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04994	.00717	1.1882	22.101	.60216	.71311	.01138
SDev	.00072	.00017	.0108	.230	.00790	.00719	.00037
%RSD	1.4437	2.4283	.90875	1.0412	1.3121	1.0087	3.2651

#1	.05031	.00705	1.1942	22.237	.60863	.71712	.01116
#2	.05040	.00737	1.1946	22.230	.60450	.71740	.01181
#3	.04911	.00709	1.1757	21.835	.59336	.70480	.01117

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1367	-.00015	.49977	.00165	.15139	.00139	.06977
SDev	.0315	.00015	.00609	.00141	.18309	.00114	.00084
%RSD	2.7693	96.965	1.2196	85.484	120.94	82.210	1.2016

#1	1.1576	-.00017	.50329	.00003	.24766	.00196	.07008
#2	1.1519	.00000	.50328	.00231	.26626	.00007	.07041
#3	1.1005	-.00030	.49273	.00260	-.05975	.00213	.06882

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.28322	.00205	.00315	.01068	.03975	.49685	.50080
SDev	.00314	.00059	.00029	.00053	.00043	.00617	.00615
%RSD	1.1091	28.843	9.0870	5.0068	1.0760	1.2426	1.2279

#1	.28451	.00213	.00347	.01127	.03983	.49909	.50496
#2	.28551	.00260	.00292	.01023	.04014	.50159	.50370
#3	.27964	.00142	.00305	.01054	.03929	.48987	.49373

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00002	.00210
SDev	.00642	.00266
%RSD	29864.	126.64

#1	-.00484	.00208
#2	.00727	-.00055
#3	-.00249	.00477

Method: TAI Sample Name: 41186010p110x114Cu Operator: jmh
 Run Time: 04/10/96 19:08:31
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.6035	.00386	.02320	.02401	.00036	.00082	5.7879
SDev	.0407	.00067	.00203	.00013	.00000	.00000	.0220
%RSD	.42411	17.336	8.7323	.54429	.86056	.52801	.37957
#1	9.6496	.00312	.02261	.02416	.00036	.00083	5.8133
#2	9.5884	.00404	.02153	.02395	.00036	.00083	5.7750
#3	9.5725	.00442	.02545	.02391	.00036	.00082	5.7755

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04947	.00697	9.0549	22.014	.57690	.73448	.01118
SDev	.00047	.00019	.0494	.119	.00374	.00326	.00016
%RSD	.94392	2.7153	.54602	.53873	.64763	.44426	1.4010
#1	.04997	.00701	9.1110	22.150	.58092	.73823	.01101
#2	.04904	.00676	9.0360	21.960	.57623	.73282	.01123
#3	.04940	.00714	9.0176	21.932	.57354	.73237	.01132

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0836	-.00023	.47460	-.00056	.45947	.00139	.06578
SDev	.0106	.00021	.00348	.00428	.07842	.00084	.00042
%RSD	.98218	94.088	.73347	768.04	17.068	60.292	.63433
#1	1.0849	-.00010	.47850	.00418	.44094	.00123	.06626
#2	1.0724	-.00047	.47181	-.00415	.39197	.00229	.06556
#3	1.0936	-.00010	.47348	-.00170	.54549	.00064	.06551

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16920	.00354	.00321	.01556	.03646	.47286	.47503
SDev	.00056	.00046	.00050	.00081	.00017	.00318	.00394
%RSD	.32786	12.859	15.530	5.2376	.46113	.67227	.82959
#1	.16980	.00320	.00264	.01650	.03666	.47637	.47912
#2	.16908	.00336	.00355	.01508	.03634	.47204	.47127
#3	.16871	.00406	.00344	.01510	.03639	.47018	.47463

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	-.00285	.00025
SDev	.00279	.00610
%RSD	94.684	2401.5
#1	-.00106	.00640
#2	-.00164	-.00579
#3	-.00616	.00015

Method: ECL Sample Name: CCV

Operator: jmb

Run Time: 04/10/96 19:12:46

Comment:

Model: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	49.257	5.1827	5.2207	5.0251	5.2561	4.8700	50.349
SDev	.037	.0037	.0038	.0042	.0067	.0046	.050
%RSD	.07441	.07042	.07311	.08304	.12711	.09436	.10012

#1	49.297	5.1869	5.2164	5.0299	5.2608	4.8706	50.371
#2	49.250	5.1801	5.2221	5.0223	5.2590	4.8744	50.384
#3	49.225	5.1811	5.2236	5.0231	5.2485	4.8652	50.291

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9549	4.9036	4.9542	54.632	49.836	4.8857	4.8308
SDev	.0060	.0037	.0021	.036	.061	.0046	.0031
%RSD	.12154	.07491	.04332	.06563	.12307	.09371	.06415

#1	4.9584	4.9046	4.9565	54.653	49.885	4.8891	4.8323
#2	4.9584	4.9067	4.9539	54.652	49.855	4.8875	4.8328
#3	4.9480	4.8995	4.9522	54.590	49.767	4.8805	4.8272

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.641	.50411	4.8950	5.1403	51.073	4.9265	5.1009
SDev	.245	.00050	.0152	.0175	.112	.0141	.0021
SD	.50279	.09985	.30950	.34041	.22015	.28653	.04028

#1	48.611	.50460	4.8927	5.1478	51.194	4.9121	5.1017
#2	48.899	.50413	4.9112	5.1527	51.052	4.9272	5.1024
#3	48.413	.50360	4.8812	5.1203	50.972	4.9403	5.0986

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9001	5.3789	5.0379	5.0769	5.1079	4.8914	4.8963
SDev	.0085	.0050	.0085	.0084	.0029	.0156	.0166
%RSD	.17277	.09205	.16962	.16512	.05744	.31874	.34003

#1	4.9044	5.3732	5.0312	5.0845	5.1109	4.8989	4.8891
#2	4.9056	5.3814	5.0351	5.0783	5.1077	4.9019	4.9154
#3	4.8904	5.3821	5.0475	5.0679	5.1051	4.8735	4.8845

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	5.1817	5.1192
SDev	.0277	.0125
%RSD	.53437	.24450

#1	5.1910	5.1258
#2	5.2035	5.1270
#3	5.1505	5.1048

Method: IAL Sample Name: CCB
Run Time: 04-10-96 19:19:01
Comment:
Mode: CONC Corr. Factor: 1

Operator: jmb

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11197	.00219	.00066	.00094	.00098	.00102	-.10568
SDev	.00129	.00020	.00072	.00017	.00019	.00018	.00173
%RSD	1.1544	9.0469	108.79	17.600	19.108	17.798	1.6328
#1	.11052	.00228	.00142	.00075	.00077	.00081	-.10761
#2	.11299	.00196	.00000	.00106	.00111	.00111	-.10428
#3	.11241	.00232	.00055	.00101	.00106	.00114	-.10516
Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00093	.00107	.00133	-.06655	.00877	.00366	.00106
SDev	.00014	.00015	.00022	.00213	.00456	.00018	.00029
%RSD	15.184	13.552	16.470	3.2029	52.034	4.9795	27.507
#1	.00078	.00091	.00126	-.06715	.00590	.00346	.00138
#2	.00106	.00119	.00158	-.06419	.01403	.00381	.00081
#3	.00096	.00112	.00116	-.06832	.00637	.00372	.00100
Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.91424	.00027	.00116	.00005	.78251	.00744	.00129
SDev	.01768	.00026	.00069	.00325	.08355	.00108	.00020
%RSD	1.9339	97.926	59.574	7076.1	10.677	14.466	15.628
#1	.93091	.00028	.00099	.00155	.87813	.00810	.00109
#2	.89570	.00053	.00057	-.00368	.72358	.00801	.00149
#3	.91610	-.00000	.00193	.00227	.74583	.00619	.00129
Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00082	.00699	.00380	.00210	.00106	.00222	.00019
SDev	.00029	.00177	.00114	.00071	.00027	.00017	.00110
%RSD	35.574	25.297	30.082	33.534	25.346	7.5182	593.22
#1	.00048	.00898	.00501	.00289	.00076	.00238	-.00016
#2	.00098	.00643	.00364	.00154	.00128	.00224	-.00071
#3	.00099	.00557	.00274	.00187	.00113	.00205	.00142
Elem	1960/1	1960/2					
Units	ppm	ppm					
Avge	.00375	-.00220					
SDev	.00380	.00299					
%RSD	101.40	135.58					
#1	.00587	-.00101					
#2	-.00064	-.00560					
#3	.00602	.00001					

Method: TFL Sample Name: 611860101:10x::recu Operator: jmb
 Run Time: 04/10/96 19:24:16
 Comment:
 det: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1227	.00271	.00635	.00534	.00027	.00040	1.1487
SDev	.0565	.00182	.00177	.00015	.00011	.00011	.0337
%RSD	2.6635	67.025	27.881	2.8304	40.356	28.903	2.9378

#1	2.1773	.00457	.00737	.00551	.00038	.00051	1.1815
#2	2.0644	.00264	.00738	.00522	.00016	.00040	1.1140
#3	2.1265	.00093	.00431	.00530	.00027	.00028	1.1506

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01176	.00188	.69281	4.6439	.12595	.15848	.00297
SDev	.00049	.00019	.01818	.1244	.00229	.00419	.00063
%RSD	4.1207	10.131	2.6248	2.6792	1.8181	2.6466	21.070

#1	.01228	.00206	.70994	4.7632	.12858	.16249	.00356
#2	.01132	.00189	.67373	4.5150	.12484	.15412	.00231
#3	.01169	.00168	.69477	4.6535	.12442	.15884	.00303

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.86908	-.00005	.10209	.00177	.36032	.00125	.01427
SDev	.06427	.00024	.00228	.00122	.36672	.00152	.00043
%RSD	7.3951	432.41	2.2319	69.102	101.77	121.14	2.9969

#1	.93239	.00017	.10454	.00093	.74484	.00299	.01473
#2	.80389	-.00030	.10004	.00121	.01447	.00054	.01388
#3	.87095	-.00004	.10169	.00317	.32165	.00022	.01422

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03636	.00215	.00161	.00343	.00809	.10243	.10148
SDev	.00088	.00158	.00038	.00078	.00030	.00287	.00198
%RSD	2.4224	73.538	23.660	22.858	3.6681	2.7998	1.9473

#1	.03724	.00393	.00204	.00375	.00843	.10547	.10363
#2	.03547	.00089	.00133	.00400	.00788	.09977	.09974
#3	.03638	.00163	.00145	.00254	.00797	.10204	.10108

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00444	.00005
SDev	.00286	.00274
%RSD	67.076	5679.1

#1	.00103	.00048
#2	.00864	-.00288
#3	.00364	.00255

Method: TAL Sample Name: 61186013;25x;;recupb Operator: jmb
 Run Time: 04/10/96 19:29:30
 Comment:
 da: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.1527	.00753	.01000	.01634	.00024	.00064	12.149
SDev	.0094	.00145	.00304	.00000	.00002	.00012	.020
%RSD	.22651	19.208	30.442	.02735	10.312	19.064	.16132

#1	4.1578	.00904	.01351	.01634	.00026	.00077	12.162
#2	4.1585	.00739	.00833	.01633	.00023	.00059	12.159
#3	4.1419	.00616	.00815	.01634	.00022	.00054	12.127

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01787	.00291	8.3639	10.147	.21160	.24497	.02764
SDev	.00031	.00010	.0192	.014	.00234	.00046	.00023
%RSD	1.7349	3.3438	.22963	.13566	1.1058	.18866	.83855

#1	.01822	.00302	8.3707	10.162	.21428	.24548	.02780
#2	.01766	.00283	8.3788	10.140	.20999	.24488	.02737
#3	.01772	.00287	8.3423	10.137	.21053	.24457	.02774

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.90720	.00039	.69132	-.00196	.89396	.00199	.02213
SDev	.00067	.00019	.00248	.00112	.00071	.00107	.00026
%RSD	.07358	49.144	.35805	56.825	.07960	53.452	1.1725

#1	.90794	.00056	.69418	-.00080	.89430	.00267	.02243
#2	.90664	.00018	.69000	-.00303	.89314	.00255	.02202
#3	.90702	.00043	.68979	-.00206	.89443	.00077	.02195

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.62918	.00268	.00198	.04047	.02134	.68911	.69197
SDev	.00089	.00021	.00099	.00049	.00011	.00293	.00362
%RSD	.14188	7.7639	49.978	1.2014	.49099	.42444	.52302

#1	.63019	.00292	.00311	.04074	.02144	.69007	.69574
#2	.62868	.00260	.00128	.04076	.02123	.68582	.69165
#3	.62848	.00253	.00155	.03991	.02134	.69143	.69352

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00018	-.00342
SDev	.00140	.00214
%RSD	780.134	62.463

#1	.000121	-.00099
#2	.00016	-.00501
#3	.00159	-.00427

Analysis Report

Wed 04-10-96 07:39:56 PM 0003151

Method: TAL Sample Name: 61186016;25x;;recupb Operator: jmb
 Run Time: 04/10/96 19:34:46
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.4444	.02516	.01546	.03250	.00018	.00085	1.3360
SDev	.0067	.00033	.00204	.00003	.00001	.00005	.0016
%RSD	.12395	1.3294	13.227	.09075	5.1976	5.5582	.12178

#1	5.4417	.02479	.01723	.03250	.00017	.00085	1.3341
#2	5.4395	.02543	.01591	.03246	.00019	.00089	1.3366
#3	5.4521	.02526	.01322	.03252	.00018	.00080	1.3372

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02474	.00460	8.6340	42.429	.12542	.40874	.01476
SDev	.00014	.00018	.0182	.045	.00414	.00068	.00025
%RSD	.55968	3.9221	.21131	.10695	3.3018	.16510	1.7153

#1	.02459	.00471	8.6421	42.414	.12064	.40866	.01448
#2	.02486	.00439	8.6131	42.394	.12775	.40811	.01482
#3	.02478	.00469	8.6468	42.481	.12787	.40945	.01498

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.89428	.00057	2.2948	.00144	.60569	.00163	.01420
SDev	.01273	.00007	.0049	.00440	.10880	.00143	.00011
%RSD	1.4234	12.696	.21257	304.66	17.963	87.325	.76155

#1	.88139	.00059	2.2896	.00639	.48565	.00088	.01417
#2	.90684	.00063	2.2993	-.00203	.69782	.00328	.01412
#3	.89460	.00049	2.2954	-.00003	.63360	.00074	.01432

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5625	.00294	.00671	.11524	.03085	2.2825	2.3005
SDev	.0029	.00028	.00087	.00091	.00002	.0092	.0041
%RSD	.11413	9.3692	13.023	.79285	.06352	.40172	.18036

#1	2.5596	.00274	.00755	.11491	.03088	2.2720	2.2980
#2	2.5624	.00281	.00677	.11453	.03085	2.2866	2.3053
#3	2.5655	.00305	.00581	.11627	.03084	2.2889	2.2991

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00169	.00093
SDev	.00675	.00458
%RSD	399.16	491.54

#1	.00634	.00603
#2	-.00605	-.00041
#3	.00479	-.00283

Method: TAL Sample Name: 61186018;10x;:recuph Operator: jmb
 Run Time: 04/10/96 19:40:00
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.763	.05825	.00129	.02607	.00020	.00241	4.1509
SDev	.087	.00108	.00029	.00011	.00002	.00013	.0033
%RSD	.18305	1.8552	22.627	.42157	8.1207	5.2936	.08053
#1	47.822	.05769	.00113	.02619	.00020	.00248	4.1539
#2	47.805	.05950	.00162	.02605	.00022	.00226	4.1514
#3	47.663	.05757	.00110	.02597	.00019	.00249	4.1473

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00508	.00090	4.8177	2.8907	.11088	.02909	.00547
SDev	.00019	.00016	.0058	.0046	.00398	.00001	.00008
%RSD	3.6707	18.095	.12132	.15937	3.5917	.02816	1.4332
#1	.00528	.00108	4.8224	2.8959	.11519	.02909	.00556
#2	.00491	.00087	4.8197	2.8869	.10734	.02910	.00541
#3	.00506	.00076	4.8112	2.8895	.11011	.02908	.00545

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.94395	.00016	2.8209	.00057	1.0006	-.00026	.01040
SDev	.01314	.00028	.0021	.00064	.0679	.00224	.00002
%RSD	1.3916	179.39	.07427	112.67	6.7898	868.18	.20571
#1	.94559	.00045	2.8232	.00102	1.0762	.00138	.01042
#2	.95619	-.00011	2.8191	.00085	.98106	-.00281	.01040
#3	.93007	.00013	2.8203	-.00016	.94460	.00066	.01038

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9069	.00469	.00030	.00804	.06830	2.8101	2.8258
SDev	.0017	.00023	.00022	.00028	.00266	.0014	.0032
%RSD	.08821	4.9649	72.224	3.4747	3.8997	.04829	.11181
#1	1.9082	.00495	.00014	.00771	.07082	2.8107	2.8289
#2	1.9074	.00452	.00055	.00818	.06551	2.8111	2.8226
#3	1.9050	.00459	.00022	.00821	.06856	2.8086	2.8258

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00408	-.00159
SDev	.00493	.00277
%RSD	120.79	174.24
#1	.00088	.00156
#2	.00899	-.00362
#3	.00414	-.00271

Method: TAL Sample Name: 61186020;50x;;recupb Operator: jmb
 Run Time: 04/10/96 19:45:15
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.5310	.00969	.00547	.00953	.00007	.00024	3.3571
SDev	.0065	.00173	.00225	.00012	.00001	.00007	.0024
%RSD	.42309	17.803	41.118	1.2080	14.327	31.258	.07061

#1	1.5385	.01167	.00339	.00967	.00006	.00026	3.3597
#2	1.5275	.00851	.00516	.00946	.00007	.00030	3.3564
#3	1.5271	.00890	.00786	.00947	.00008	.00015	3.3551

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00999	.00163	5.2694	4.6901	.07990	.15531	.00294
SDev	.00006	.00014	.0140	.0056	.00031	.00028	.00018
%RSD	.63457	8.3730	.26521	.11928	.38303	.17874	6.1488

#1	.01003	.00149	5.2855	4.6953	.07998	.15561	.00315
#2	.01002	.00176	5.2628	4.6842	.07957	.15506	.00286
#3	.00992	.00163	5.2600	4.6909	.08016	.15526	.00281

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.86864	.00016	3.0428	.00246	.58051	-.00115	.01311
SDev	.01140	.00014	.0147	.00219	.06214	.00156	.00007
%RSD	1.3118	87.208	.48448	89.173	10.523	135.48	.50895

#1	.85776	.00031	3.0597	.00277	.54813	-.00004	.01317
#2	.86780	.00003	3.0322	.00013	.56156	-.00048	.01304
#3	.88050	.00014	3.0366	.00448	.66184	-.00294	.01312

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12533	.00154	-.00007	.08742	.01067	3.0168	3.0553
SDev	.00024	.00019	.00074	.00083	.00018	.0091	.0188
%RSD	.18895	12.260	1002.1	.94645	1.6672	.30324	.61598

#1	.12555	.00143	.00053	.08821	.01087	3.0259	3.0761
#2	.12503	.00143	.00015	.08749	.01052	3.0171	3.0393
#3	.12536	.00175	-.00090	.08656	.01061	3.0076	3.0506

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00245	.00207
SDev	.00321	.00363
%RSD	130.95	175.39

#1	.00614	.00070
#2	.00095	-.00067
#3	.00027	.00619

Method: TAL Sample Name: 61186021;5x;;recu Operator: jmb
 Run Time: 01/10/96 19:50:29
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.985	.00665	.06052	.03815	.00081	.00135	1.3903
SDev	.046	.00120	.00143	.00018	.00001	.00014	.0043
%RSD	.27005	18.135	2.3650	.46371	1.3925	10.480	.30923

#1	16.987	.00786	.05977	.03833	.00082	.00144	1.3927
#2	16.938	.00664	.06217	.03797	.00079	.00119	1.3854
#3	17.030	.00544	.05961	.03814	.00081	.00143	1.3930

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15268	.02775	6.2880	63.365	.39545	2.9586	.01964
SDev	.00019	.00023	.0234	.203	.00340	.0094	.00025
%RSD	.12197	.84673	.37136	.32023	.86063	.31926	1.2597

#1	.15285	.02795	6.3023	63.511	.39490	2.9669	.01981
#2	.15248	.02749	6.2611	63.133	.39235	2.9483	.01975
#3	.15270	.02782	6.3007	63.451	.39909	2.9607	.01935

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2126	-.00026	1.1616	.00263	.76762	.00258	.22538
SDev	.0076	.00038	.0049	.00110	.02923	.00265	.00099
%RSD	.62642	145.33	.41806	41.752	3.8078	102.33	.43990

#1	1.2212	-.00067	1.1659	.00390	.78099	.00262	.22611
#2	1.2098	-.00022	1.1564	.00199	.73410	-.00008	.22425
#3	1.2068	.00009	1.1626	.00200	.78777	.00521	.22578

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.37511	.00323	.01043	.01149	.14176	1.1555	1.1643
SDev	.00047	.00033	.00044	.00181	.00077	.0029	.0061
%RSD	.12473	10.301	4.2141	15.784	.54001	.24777	.52573

#1	.37540	.00358	.01054	.01074	.14260	1.1564	1.1702
#2	.37457	.00292	.01081	.01017	.14111	1.1522	1.1580
#3	.37536	.00318	.00965	.01356	.14157	1.1577	1.1647

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00200	.00255
SDev	.00661	.00200
%RSD	329.82	78.284

#1	.00376	.00107
#2	.00169	.00175
#3	-.00444	.00482

Method: ICP Sample Name: 61186022;25x;;recupb Operator: jmb
 Run Time: 04/10/96 19:55:43
 Comment:
 Model: CONCO Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.2134	.03229	.01532	.01421	.00020	.00041	.43443
SDev	.0055	.00179	.00145	.00003	.00001	.00009	.00086
%RSD	.13083	5.5475	9.4375	.19437	2.8802	20.624	.19722

#1	4.2170	.03127	.01698	.01424	.00019	.00035	.43435
#2	4.2161	.03436	.01465	.01420	.00020	.00051	.43532
#3	4.2070	.03124	.01433	.01419	.00021	.00037	.43361

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03392	.00580	7.8042	13.219	.12219	.44038	.00435
SDev	.00019	.00007	.0097	.012	.00230	.00029	.00034
%RSD	.56569	1.2387	.12412	.09346	1.8787	.06660	7.7100

#1	.03372	.00587	7.8134	13.232	.11976	.44030	.00419
#2	.03410	.00582	7.8052	13.219	.12249	.44071	.00474
#3	.03395	.00572	7.7941	13.207	.12432	.44014	.00413

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.94509	-.00014	.53513	.00111	.79730	.00165	.04858
SDev	.01144	.00049	.00106	.00299	.02906	.00098	.00030
%RSD	1.2107	355.53	.19782	268.84	3.6448	59.469	.61729

#1	.95501	-.00052	.53421	.00207	.77104	.00064	.04823
#2	.93257	.00042	.53629	-.00224	.79233	.00259	.04879
#3	.94768	-.00031	.53490	.00351	.82852	.00171	.04870

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10792	.00283	.00187	.02573	.04838	.53237	.53607
SDev	.00039	.00018	.00061	.00106	.00006	.00214	.00188
%RSD	.36433	6.2051	32.651	4.1221	.12366	.40187	.35060

#1	.10746	.00303	.00117	.02451	.04833	.53392	.53391
#2	.10817	.00269	.00225	.02642	.04844	.53326	.53736
#3	.10817	.00277	.00219	.02626	.04835	.53233	.53733

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	-.00145	.00200
SDev	.00337	.00550
%RSD	232.76	275.40

#1	.00131	.00205
#2	-.00046	-.00353
#3	-.00520	.00746

Analysis Report

Wed 04-10-96 08:06:08 PM

page 1

Method: IAL

Sample Name: pbswg4351;;;recu

Operator: jmb

Run Time: 04/10/96 20:00:58

Comments:

Model: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10691	-.00052	.00169	.00006	-.00005	.00003	-.10469
SDev	.00182	.00118	.00134	.00000	.00001	.00007	.00076
%RSD	1.6989	226.81	79.057	.00000	15.461	272.33	.73041

#1	.10813	.00050	.00160	.00006	-.00006	.00009	-.10550
#2	.10779	-.00181	.00308	.00006	-.00005	-.00005	-.10398
#3	.10482	-.00025	.00041	.00006	-.00005	.00004	-.10458

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	.00019	.00350	-.06231	.00323	.00034	.00001
SDev	.00018	.00011	.00005	.00205	.00327	.00003	.00016
%RSD	62.007	56.093	1.5279	3.2963	101.12	9.7140	1229.5

#1	.00009	.00016	.00356	-.06198	.00622	.00035	.00001
#2	.00035	.00010	.00350	-.06451	-.00026	.00037	.00017
#3	.00043	.00030	.00345	-.06044	.00374	.00031	-.00014

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.82291	-.00007	.00063	.00062	.34618	-.00002	.00024
SDev	.01253	.00018	.00071	.00177	.06812	.00053	.00010
%RSD	1.5229	271.63	112.18	286.70	19.678	2892.4	42.889

#1	.80943	-.00014	-.00016	-.00128	.26763	-.00039	.00033
#2	.82510	.00014	.00086	.00223	.38191	-.00026	.00026
#3	.83420	-.00020	.00120	.00090	.38901	.00059	.00013

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00170	.00055	-.00038	.00177	.00008	.00045	.00029
SDev	.00027	.00009	.00059	.00161	.00006	.00016	.00112
%RSD	15.934	16.554	152.71	90.969	81.243	35.908	390.32

#1	.00141	.00055	-.00091	.00061	.00014	.00053	-.00025
#2	.00175	.00045	-.00050	.00362	.00009	.00056	.00058
#3	.00191	.00063	.00025	.00109	.00001	.00027	.00123

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00068	.00020
SDev	.00307	.00105
%RSD	448.69	523.62

#1	-.00314	-.00074
#2	.00325	.00133
#3	.00192	.00001

Analysis Report

Wed 04-10-96 08:11:23 PM

page 1

Method: IAL Sample Name: 61136023;;;+1Cu+3pb Operator: jmb
 Run Time: 04/10/96 20:06:12
 Comment:
 det: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	85.033	.03310	.34310	.14631	.00368	.00394	12.963
SDev	.103	.00053	.00107	.00015	.00000	.00002	.014
%RSD	.12135	1.6178	.31197	.10295	.05314	.42630	.10769

#1	85.038	.03362	.34388	.14642	.00368	.00394	12.977
#2	84.928	.03312	.34188	.14614	.00368	.00396	12.949
#3	85.134	.03255	.34354	.14637	.00368	.00393	12.963

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.73126	.12515	1.8560	322.08	2.5348	10.541	.09495
SDev	.00098	.00045	.0021	.27	.0043	.014	.00021
%RSD	.13343	.36316	.11267	.08303	.16928	.13500	.21862

#1	.73205	.12563	1.8582	322.29	2.5319	10.557	.09483
#2	.73017	.12473	1.8541	321.78	2.5328	10.531	.09482
#3	.73155	.12507	1.8558	322.18	2.5397	10.535	.09519

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6878	-.00116	5.2227	.02493	.46535	.01381	1.0896
SDev	.0027	.00035	.0101	.00228	.02642	.00226	.0003
%RSD	.10005	30.527	.19433	9.1457	5.6783	16.389	.02846

#1	2.6853	-.00082	5.2324	.02464	.49109	.01488	1.0898
#2	2.6907	-.00152	5.2121	.02734	.43829	.01121	1.0893
#3	2.6873	-.00114	5.2236	.02281	.46667	.01534	1.0898

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.41956	.00358	.05386	.04138	.72579	5.2133	5.2269
SDev	.00058	.00068	.00064	.00093	.00178	.0061	.0124
%RSD	.13749	18.929	1.1960	2.2500	.24459	.11790	.23650

#1	.41962	.00425	.05460	.04166	.72781	5.2175	5.2394
#2	.41896	.00289	.05351	.04214	.72507	5.2062	5.2146
#3	.42011	.00360	.05346	.04034	.72448	5.2161	5.2268

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.01985	.02713
SDev	.00268	.00210
%RSD	13.507	7.7426

#1	.01909	.02704
#2	.02282	.02928
#3	.01762	.02508

Method: TAL Sample Name: 6116402511111111

Operator: Jmb

Run Time: 04/10/96 10:11:27

Comments:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	55.869	.01210	.20271	.22452	.00307	.00523	31.808
SDev	.021	.00102	.00212	.00020	.00001	.00006	.011
%RSD	.03773	8.3983	1.0437	.08743	.45340	1.1014	.03454

#1	55.850	.01094	.20398	.22473	.00306	.00517	31.805
#2	55.864	.01256	.20388	.22434	.00306	.00528	31.798
#3	55.892	.01280	.20027	.22447	.00308	.00525	31.820

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45323	.10366	.27585	224.14	3.5325	12.838	.08609
SDev	.00028	.00023	.00035	.10	.0082	.005	.00042
%RSD	.06204	.21783	.12763	.04408	.23117	.03584	.48638

#1	.45306	.10340	.27587	224.18	3.5256	12.837	.08572
#2	.45308	.10382	.27619	224.03	3.5303	12.834	.08654
#3	.45356	.10376	.27549	224.21	3.5415	12.843	.08602

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.1928	-.00170	1.8212	.01592	-.03963	.01276	.65437
SDev	.0177	.00039	.0010	.00268	.07784	.00237	.00015
%RSD	.55431	23.262	.05630	16.825	196.40	18.550	.02219

#1	3.1769	-.00181	1.8218	.01501	-.12946	.01485	.65428
#2	3.1898	-.00126	1.8200	.01894	.00283	.01019	.65429
#3	3.2119	-.00202	1.8218	.01382	.00774	.01324	.65454

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.33552	.00233	.04223	.04606	.36830	1.8165	1.8232
SDev	.00030	.00012	.00044	.00215	.00026	.0020	.0022
%RSD	.08808	5.3179	1.0531	4.6598	.07076	.11283	.11878

#1	.33520	.00245	.04270	.04414	.36800	1.8141	1.8252
#2	.33577	.00233	.04182	.04565	.36842	1.8174	1.8209
#3	.33561	.00221	.04218	.04838	.36847	1.8178	1.8234

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.01341	.01683
SDev	.00492	.00187
%RSD	36.711	11.132

#1	.01359	.01537
#2	.01823	.01895
#3	.00839	.01618

Method: TAL Sample Name: CCV
 Run Date: 04-10-96 09:16:42
 Command:
 det CONC Corr. Factor: 1

Operator: Jmb

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.243	5.0698	5.1175	4.9330	5.1252	4.7714	49.110
SDev	.131	.0117	.0170	.0086	.0045	.0065	.057
%RSD	.27245	.23064	.33144	.17349	.08810	.13632	.11580

#1	48.214	5.0667	5.0979	4.9308	5.1261	4.7691	49.085
#2	48.128	5.0600	5.1261	4.9258	5.1202	4.7663	49.069
#3	48.386	5.0827	5.1284	4.9425	5.1291	4.7787	49.174

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.8440	4.8002	4.8558	53.493	48.849	4.7524	4.7314
SDev	.0058	.0067	.0105	.088	.104	.0085	.0077
%RSD	.12052	.13879	.21622	.16504	.21256	.17793	.16218

#1	4.8412	4.7960	4.8525	53.460	48.811	4.7468	4.7256
#2	4.8401	4.7969	4.8474	53.427	48.769	4.7482	4.7284
#3	4.8507	4.8079	4.8676	53.593	48.966	4.7621	4.7401

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.517	.49417	4.7865	5.0126	49.987	4.8162	4.9879
SDev	.108	.00082	.0057	.0108	.088	.0190	.0091
%RSD	.22649	.16542	.12002	.21469	.17593	.39381	.18274

#1	47.569	.49375	4.7865	5.0178	50.040	4.7972	4.9817
#2	47.394	.49365	4.7807	5.0002	49.885	4.8162	4.9837
#3	47.589	.49511	4.7922	5.0197	50.035	4.8351	4.9984

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.7856	5.2739	4.9358	4.9718	4.9896	4.7778	4.7904
SDev	.0042	.0145	.0154	.0073	.0095	.0029	.0092
%RSD	.08861	.27468	.31213	.14686	.19049	.06026	.19287

#1	4.7821	5.2628	4.9207	4.9727	4.9858	4.7747	4.7919
#2	4.7843	5.2686	4.9351	4.9640	4.9825	4.7804	4.7805
#3	4.7903	5.2903	4.9515	4.9785	5.0004	4.7782	4.7988

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	5.0449	4.9960
SDev	.0054	.0136
%RSD	.10741	.27186

#1	5.0457	5.0034
#2	5.0392	4.9803
#3	5.0499	5.0043

Analysis Report

Wed 04-10-96 08:27:07 PM

page 1

Method: TAL Sample Name: CCE
 Run Time: 04/10/96 20:11:57
 Comment:
 Model: CONC Corr. Factor: 1

Operator: jmb

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11421	.00073	.00101	.00074	.00076	.00079	-.10717
SDev	.00256	.00119	.00099	.00009	.00007	.00009	.00083
%RSD	2.2447	163.33	97.771	12.178	9.8580	11.025	.77749

#1	.11608	.00200	.00204	.00079	.00072	.00081	-.10674
#2	.11526	-.00035	.00006	.00079	.00084	.00087	-.10663
#3	.11128	.00053	.00094	.00063	.00070	.00070	-.10813

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00091	.00093	.00063	-.05272	.01062	.00176	.00090
SDev	.00027	.00010	.00008	.00773	.00254	.00022	.00002
%RSD	29.191	11.189	12.335	14.655	23.945	12.430	1.8998

#1	.00115	.00093	.00071	-.04552	.01333	.00196	.00088
#2	.00097	.00103	.00058	-.05176	.01027	.00180	.00091
#3	.00062	.00082	.00058	-.06088	.00828	.00153	.00091

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.84372	.00029	.00110	.00161	.47668	.00676	.00125
SDev	.00362	.00028	.00024	.00132	.10114	.00260	.00011
%RSD	.42913	95.928	21.891	81.555	21.217	38.426	8.4455

#1	.84744	.00055	.00116	.00253	.57817	.00712	.00134
#2	.84352	.00000	.00131	.00011	.37590	.00916	.00127
#3	.84020	.00031	.00084	.00221	.47598	.00400	.00114

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00085	.00523	.00335	.00164	.00096	.00143	.00050
SDev	.00009	.00178	.00160	.00056	.00010	.00037	.00054
%RSD	10.961	33.974	47.789	34.155	10.293	25.571	107.96

#1	.00095	.00715	.00513	.00182	.00100	.00148	.00057
#2	.00085	.00492	.00290	.00208	.00103	.00105	.00100
#3	.00076	.00363	.00202	.00101	.00084	.00177	-.00007

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00246	.00080
SDev	.00468	.00345
%RSD	190.49	431.14

#1	-.00259	.00469
#2	.00332	-.00189
#3	.00664	-.00040

Analysis Report

Wed 04-10-96 08:32:22 PM

000225 -
page 1

Method: IAL Sample Name: 01186026:treacu
 Run Date: 04/10/96 08:27:12
 Comment:
 Model: CONC Corr. Factor: 1

Operator: jmb

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.838	.01199	.14984	.07360	.00214	.00358	37.056
SDev	.054	.00048	.00307	.00023	.00004	.00009	.027
%RSD	.10998	4.0242	2.0452	.31298	1.8668	2.4655	.07167

#1	48.900	.01250	.14633	.07384	.00219	.00368	37.083
#2	48.808	.01193	.15195	.07358	.00213	.00354	37.055
#3	48.806	.01154	.15126	.07338	.00211	.00352	37.030

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.28567	.03526	.20137	125.02	4.3857	3.5567	.05894
SDev	.00044	.00043	.00026	.16	.0023	.0045	.00042
%RSD	.15321	1.2086	.13090	.12553	.05263	.12568	.72119

#1	.28617	.03558	.20164	125.19	4.3865	3.5616	.05940
#2	.28543	.03543	.20111	124.99	4.3831	3.5555	.05883
#3	.28541	.03478	.20135	124.88	4.3875	3.5529	.05857

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3847	-.00024	.29219	.00881	.14704	.00612	.37769
SDev	.0028	.00026	.00082	.00118	.02451	.00216	.00051
%RSD	.11828	108.41	.28188	13.427	16.668	35.338	.13465

#1	2.3870	-.00030	.29280	.00978	.11884	.00816	.37820
#2	2.3855	.00005	.29251	.00749	.15903	.00385	.37767
#3	2.3816	-.00046	.29125	.00918	.16324	.00634	.37718

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20337	.01525	.02911	.01310	.29088	.29579	.28999
SDev	.00026	.00026	.00017	.00149	.00060	.00151	.00059
%RSD	.12552	1.6768	.57275	11.344	.20474	.50908	.20199

#1	.20365	.01519	.02904	.01369	.29155	.29729	.29015
#2	.20315	.01552	.02898	.01141	.29043	.29579	.29047
#3	.20331	.01502	.02923	.01430	.29065	.29428	.28934

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00631	.00971
SDev	.00215	.00280
%RSD	33.994	28.840

#1	.00533	.01164
#2	.00877	.00650
#3	.00483	.01099

Analysis Report

Wed 04-10-96 08:37:38 PM

000229
page 1

Method: IAI Sample Name: 6118602812x1:recu Operator: jah
 Run Time: 04/10/96 20:32:27
 Comment:
 det: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	38.975	.02098	.14915	.13340	.00254	.00319	26.141
SDev	.121	.00056	.00105	.00014	.00002	.00010	.071
%RSD	.31172	2.6487	.70472	.10492	.60091	3.2178	.27005

#1	38.855	.02033	.14988	.13324	.00255	.00318	26.096
#2	38.972	.02132	.14962	.13346	.00252	.00309	26.105
#3	39.098	.02128	.14794	.13350	.00255	.00330	26.222

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.31642	.04995	5.4928	136.06	2.2932	5.4728	.05035
SDev	.00091	.00026	.0128	.33	.0065	.0129	.00041
%RSD	.28895	.52204	.23256	.24020	.28184	.23495	.81070

#1	.31595	.05009	5.4816	135.87	2.2913	5.4637	.05034
#2	.31584	.04965	5.4901	135.88	2.2878	5.4672	.04995
#3	.31748	.05011	5.5067	136.44	2.3003	5.4875	.05077

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.7865	-.00049	1.1962	.00922	.67094	.00777	.46549
SDev	.0183	.00028	.0039	.00461	.12484	.00185	.00137
%RSD	1.0251	57.972	.32185	50.035	18.607	23.829	.29508

#1	1.7674	-.00041	1.1965	.01197	.58411	.00674	.46524
#2	1.7882	-.00080	1.1922	.01179	.61471	.00991	.46426
#3	1.8039	-.00025	1.1999	.00389	.81401	.00667	.46697

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.33671	.00809	.02339	.03732	.28358	1.1916	1.1981
SDev	.00115	.00015	.00110	.00028	.00088	.0057	.0032
%RSD	.34160	1.8151	4.7060	.75704	.30905	.47749	.26762

#1	.33582	.00807	.02221	.03701	.28322	1.1899	1.1994
#2	.33629	.00795	.02439	.03757	.28295	1.1870	1.1944
#3	.33801	.00825	.02357	.03738	.28458	1.1980	1.2004

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00820	.00936
SDev	.00250	.00609
%RSD	30.476	65.001

#1	.01099	.01210
#2	.00744	.01360
#3	.00617	.00239

Analysis Report

Wed 04-10-96 08:42:53 PM

600230
Page 1

Method: IAA

Sample Name: 81186030:10x:trapb

Operator: Job

Run Time: 04/10/96 20:37:42

Comment:

de: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.8686	.01388	.03247	.02242	.00043	.00091	1.9536
SDev	.0152	.00061	.00124	.00010	.00002	.00005	.0059
%RSD	.22191	4.4250	3.8236	.46485	3.7490	5.5645	.30418

#1	6.8838	.01332	.03132	.02252	.00045	.00085	1.9587
#2	6.8687	.01377	.03379	.02243	.00043	.00095	1.9550
#3	6.8533	.01454	.03232	.02231	.00041	.00092	1.9471

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06637	.01131	.12856	25.675	.34762	1.2857	.00997
SDev	.00027	.00019	.00026	.060	.00154	.0025	.00029
%RSD	.40770	1.6547	.20451	.23269	.44261	.19156	2.9493

#1	.06650	.01152	.12834	25.736	.34869	1.2879	.00974
#2	.06655	.01118	.12885	25.673	.34830	1.2861	.01030
#3	.06606	.01122	.12848	25.617	.34586	1.2830	.00987

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97668	.00011	1.8926	.00112	.57067	.00310	.09683
SDev	.00615	.00009	.0067	.00090	.01996	.00176	.00021
%RSD	.62929	84.159	.35598	80.980	3.4981	56.748	.21607

#1	.97997	.00004	1.8988	.00211	.55311	.00150	.09691
#2	.98048	.00021	1.8936	.00033	.59238	.00281	.09699
#3	.96959	.00007	1.8854	.00091	.56653	.00498	.09660

Elem	In2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06172	.00197	.00540	.00733	.05898	1.8780	1.8994
SDev	.00043	.00049	.00107	.00056	.00025	.0045	.0089
%RSD	.69374	24.912	19.882	7.6005	.42873	.23819	.47060

#1	.06200	.00253	.00656	.00788	.05923	1.8779	1.9087
#2	.06193	.00162	.00517	.00735	.05899	1.8825	1.8987
#3	.06123	.00177	.00445	.00676	.05872	1.8735	1.8900

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00247	.00005
SDev	.00245	.00052
%RSD	99.039	956.49

#1	.00529	.00013
#2	.00121	-.00050
#3	.00091	.00053

Analysis Report

Wed 04-10-96 08:48:08 PM

000231
Page 1

Method: TAL

Sample Name: 41184032:urecu

Operator: jmb

Run Time: 04/10/96 20:42:57

Comment:

da: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	51.562	.02066	.21150	.13837	.00317	.00542	58.361
SDev	.009	.00082	.00250	.00006	.00001	.00003	.008
%RSD	.01742	3.9858	1.1839	.04206	.34596	.59901	.01342

#1	51.569	.02096	.20956	.13836	.00318	.00538	58.353
#2	51.552	.01973	.21062	.13844	.00315	.00543	58.369
#3	51.567	.02129	.21433	.13832	.00317	.00544	58.360

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47834	.07310	.30458	203.96	3.1779	8.5872	.07635
SDev	.00058	.00025	.00035	.02	.0016	.0005	.00048
%RSD	.12073	.34137	.11444	.00899	.05140	.00537	.62723

#1	.47859	.07304	.30461	203.94	3.1774	8.5876	.07581
#2	.47768	.07337	.30421	203.96	3.1765	8.5867	.07654
#3	.47875	.07289	.30491	203.98	3.1797	8.5872	.07671

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1337	-.00108	.65963	.01506	.03280	.01034	.70000
SDev	.0150	.00008	.00447	.00360	.06218	.00114	.00008
%RSD	.47751	7.6198	.67781	23.874	189.60	11.074	.01127

#1	3.1510	-.00099	.66477	.01103	.10042	.01158	.69994
#2	3.1255	-.00111	.65665	.01619	.01988	.00933	.69997
#3	3.1246	-.00114	.65746	.01795	-.02191	.01010	.70009

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.32501	.00139	.04121	.01938	.43750	.65975	.65917
SDev	.00037	.00019	.00032	.00052	.00064	.00264	.00538
%RSD	.11422	13.497	.77790	2.6708	.14545	.40050	.81585

#1	.32524	.00154	.04146	.01990	.43818	.66271	.66537
#2	.32458	.00144	.04133	.01886	.43739	.65763	.65578
#3	.32520	.00118	.04085	.01938	.43692	.65391	.65635

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.01335	.01558
SDev	.00571	.00305
%RSD	41.770	20.833

#1	.00865	.01192
#2	.01169	.01810
#3	.01970	.01673

Analysis Report

Wed 04-10-96 08:53:23 PM

page 1

Method: ICP Sample Name: 61186033.5;incupb Operator: jmb
 Run Time: 04/10/96 20:46:12
 Comment:
 de: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.606	.00544	.04792	.03093	.00072	.00137	13.253
SDev	.023	.00196	.00355	.00008	.00001	.00004	.031
%RSD	.20216	35.931	7.4008	.24911	1.9037	3.1450	.23345

#1	11.632	.00752	.05190	.03099	.00074	.00136	13.288
#2	11.599	.00515	.04511	.03084	.00072	.00142	13.244
#3	11.586	.00364	.04675	.03095	.00071	.00134	13.228

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10957	.01685	.06713	44.531	.73866	2.0221	.01812
SDev	.00036	.00013	.00018	.100	.00827	.0038	.00013
%RSD	.33011	.77006	.26434	.22458	1.1200	.18582	.69157

#1	.10998	.01678	.06696	44.639	.74820	2.0264	.01823
#2	.10932	.01700	.06731	44.510	.73339	2.0204	.01798
#3	.10941	.01678	.06711	44.443	.73440	2.0195	.01815

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2220	-.00035	.15286	.00303	.50483	.00379	.15803
SDev	.0132	.00007	.00090	.00203	.05712	.00104	.00043
%RSD	1.0825	19.811	.58830	67.131	11.315	27.381	.27168

#1	1.2368	-.00038	.15363	.00093	.56616	.00335	.15853
#2	1.2176	-.00027	.15307	.00318	.49519	.00305	.15779
#3	1.2115	-.00041	.15187	.00499	.45314	.00498	.15778

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07534	.00190	.00911	.00485	.09861	.15289	.15242
SDev	.00034	.00046	.00033	.00035	.00049	.00226	.00038
%RSD	.45549	24.212	3.6038	7.1993	.50016	1.4773	.25106

#1	.07571	.00242	.00915	.00489	.09836	.15433	.15286
#2	.07528	.00174	.00877	.00517	.09917	.15405	.15216
#3	.07503	.00154	.00842	.00448	.09829	.15028	.15224

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00215	.00303
SDev	.00497	.00388
%RSD	228.95	125.28

#1	.00454	-.00126
#2	.00352	.00614
#3	.00544	.00438

Method: TOL Sample Name: 6134001p111;E10496 Operator: jmb
 Run Time: 04/10/96 20:53:27
 Comment:
 de: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	27.668	.00187	.04428	.11437	.00369	.02683	569.36
SDev	.300	.00082	.00052	.00114	.00009	.00033	7.80
%RSD	1.0827	43.880	1.1746	.99601	2.3436	1.2135	1.3700

#1	27.987	.00092	.04419	.11553	.00378	.02720	577.13
#2	27.622	.00232	.04483	.11430	.00369	.02665	569.43
#3	27.393	.00237	.04380	.11326	.00361	.02663	561.53

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02840	.02303	.08449	35.607	1167.1	5.1833	.02632
SDev	.00027	.00006	.00096	.444	12.0	.0615	.00018
%RSD	.93479	.26653	1.1314	1.2468	1.0291	1.1868	.67252

#1	.02862	.02297	.08516	36.057	1179.7	5.2448	.02652
#2	.02849	.02309	.08490	35.595	1165.8	5.1832	.02618
#3	.02811	.02302	.08339	35.170	1155.8	5.1218	.02626

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	294.93	-.00044	.01393	.42976	2429.5	.00296	.05280
SDev	2.62	.00020	.00022	.01038	14.8	.00228	.00063
%RSD	.88720	44.986	1.6117	2.4155	.61103	77.041	1.1983

#1	297.79	-.00058	.01406	.44173	2445.7	.00128	.05345
#2	294.34	-.00021	.01406	.42438	2426.1	.00555	.05278
#3	292.65	-.00052	.01367	.42318	2416.6	.00204	.05219

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07023	2.7329	.00642	-.00110	.25343	.03473	.00297
SDev	.00110	.0271	.00050	.00153	.00332	.00205	.00073
%RSD	1.5613	.99056	7.8369	138.97	1.3121	5.9002	24.731

#1	.07120	2.7625	.00607	-.00224	.25727	.03495	.00305
#2	.07044	2.7267	.00699	-.00171	.25170	.03665	.00220
#3	.06901	2.7005	.00613	.00064	.25133	.03257	.00366

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.44077	.42376
SDev	.00916	.01093
%RSD	2.1459	2.5785

#1	.45163	.43627
#2	.43434	.41889
#3	.43634	.41611

Sample Name: CRJ

Operator: jmb

Run Date: 04/10/96 20:58:42

Comment:

Unit: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10739	.11621	.01956	.00022	.01023	.01105	-.07534
SDev	.00665	.00448	.00088	.00006	.00057	.00045	.01068
%RSD	6.1939	3.8519	4.4982	25.881	5.5413	4.0533	14.180

#1	.11507	.12137	.01969	.00028	.01087	.01156	-.06315
#2	.10331	.11336	.01863	.00016	.00979	.01073	-.07981
#3	.10380	.11389	.02038	.00021	.01003	.01086	-.08307

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01987	.09878	.04940	-.05917	.07931	.03064	.07953
SDev	.00095	.00424	.00244	.00417	.01854	.00145	.00283
%RSD	4.7715	4.2923	4.9357	7.0400	23.379	4.7272	3.5612

#1	.02097	.10355	.05221	-.05438	.10057	.03228	.08273
#2	.01931	.09545	.04779	-.06193	.07089	.02955	.07734
#3	.01934	.09733	.04821	-.06122	.06648	.03009	.07853

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.80605	.02040	.00659	.00933	.67488	.02197	.10031
SDev	.11130	.00090	.00036	.00305	.63079	.00223	.00426
SD	13.809	4.4179	5.4906	32.740	93.468	10.157	4.2519

#1	.93274	.02144	.00700	Q.01247	1.4017	.02268	.10514
#2	.72398	.01993	.00631	.00915	.26988	.01947	.09705
#3	.76143	.01983	.00647	Q.00637	.35309	.02377	.09875

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03780	.00489	-.00052	.00065	.00011	.00688	.00597
SDev	.00164	.00319	.00003	.00073	.00006	.00194	.00047
%RSD	4.3520	65.353	5.6015	112.36	52.109	28.234	7.8276

#1	.03966	.00857	-.00053	.00128	.00017	.00913	.00544
#2	.03652	.00300	-.00049	.00084	.00006	.00571	.00614
#3	.03724	.00309	-.00054	-.00015	.00011	.00551	.00437

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00905	.00908
SDev	.00519	.00210
%RSD	57.419	23.132

#1	.01483	.01088
#2	.00751	.00959
#3	.00479	.00677

Method: ED Sample Name: IC5A

Operator: jmb

Run Time: 04/10/96 21:03:57

Comments:

det: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	494.81	.00184	.00053	.00183	.00188	.00306	498.89
SDev	4.68	.00094	.00106	.00001	.00004	.00006	5.71
%RSD	.94600	51.297	198.92	.71770	2.1852	1.8810	1.1455

#1	489.41	.00292	.00078	.00182	.00183	.00308	492.34
#2	497.76	.00126	-.00063	.00184	.00189	.00311	502.82
#3	497.26	.00133	.00144	.00184	.00191	.00300	501.52

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00469	.00094	.01300	196.99	511.15	.00874	.00179
SDev	.00008	.00006	.00026	1.97	4.66	.00007	.00010
%RSD	1.7789	6.8116	2.0097	1.0024	.91085	.77969	5.5886

#1	.00460	.00088	.01306	194.73	505.79	.00871	.00173
#2	.00476	.00101	.01271	198.35	514.23	.00881	.00191
#3	.00471	.00093	.01323	197.89	513.41	.00869	.00175

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1065	.00029	-.00139	-.00059	3.7301	-.00529	-.00906
SDev	.0323	.00027	.00015	.00521	.1109	.00375	.00014
%RSD	2.9190	94.465	10.773	878.38	2.9742	70.946	1.5600

#1	1.0692	.00058	-.00147	.00526	3.6295	-.00214	-.00899
#2	1.1271	.00027	-.00148	-.00471	3.8491	-.00429	-.00897
#3	1.1230	.00003	-.00121	-.00233	3.7116	-.00945	-.00923

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00486	.01184	.01670	.00231	-.00025	.03622	-.02070
SDev	.00031	.00041	.00079	.00242	.00011	.00199	.00117
%RSD	6.3156	3.4430	4.7523	104.95	45.930	5.4997	5.6404

#1	.00453	.01150	.01594	.00372	-.00017	.03554	-.02045
#2	.00490	.01229	.01752	.00370	-.00038	.03846	-.02197
#3	.00514	.01172	.01664	.00449	.00020	.03465	-.01960

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00102	-.00082
SDev	.01030	.00271
%RSD	1006.2	328.59

#1	.01072	.00209
#2	-.00850	-.00326
#3	-.00529	-.00130

Method: TAL

Sample Name: ICSAB

Operator: jmb

Run Time: 04/10/96 21:09:12

Comment:

Id: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	496.50	.00834	.00093	.52561	.53719	.93637	507.40
SDev	.30	.00366	.00496	.00056	.00046	.00144	.53
%RSD	.05986	43.831	532.76	.10642	.08570	.15361	.10460

#1	496.19	.01182	.00648	.52502	.53691	.93544	507.18
#2	496.78	.00868	-.00064	.52568	.53772	.93802	508.00
#3	496.52	.00453	-.00305	.52613	.53693	.93564	507.01

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48398	.46235	.52958	197.74	509.05	.48461	.89529
SDev	.00071	.00064	.00054	.19	.49	.00053	.00109
%RSD	.14659	.13804	.10186	.09789	.09627	.10846	.12164

#1	.48373	.46262	.52906	197.59	508.49	.48416	.89408
#2	.48478	.46280	.53013	197.96	509.42	.48519	.89561
#3	.48343	.46162	.52956	197.67	509.23	.48449	.89619

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0864	1.1005	.91718	.00525	3.4808	-.00090	.50117
SDev	.0076	.0010	.00154	.00254	.0529	.00332	.00051
%RSD	.69814	.08638	.16825	48.369	1.5204	368.80	.10243

#1	1.0871	1.0995	.91594	.00310	3.5317	-.00435	.50076
#2	1.0937	1.1007	.91891	.00460	3.4846	-.00062	.50174
#3	1.0786	1.1014	.91669	.00805	3.4261	.00227	.50100

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.93271	.00659	.01808	.00578	-.00014	.95136	.89959
SDev	.00086	.00046	.00100	.00140	.00007	.00252	.00115
%RSD	.09438	7.0390	5.5114	24.184	48.472	.26519	.12837

#1	.93178	.00694	.01912	.00525	-.00007	.94998	.89844
#2	.93353	.00678	.01713	.00472	-.00015	.95427	.90075
#3	.93289	.00607	.01801	.00736	-.00020	.94983	.89959

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00687	.00400
SDev	.00487	.00539
%RSD	71.575	134.79

#1	.00532	.00155
#2	.01238	.00027
#3	.00292	.01017

Method: TAL Sample Name: gov

Operator: jmb

Run Time: 04/10/96 21:14:27

Comment:

de: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.046	5.1201	5.1825	5.0200	5.1637	4.8347	49.938
SDev	.057	.0040	.0136	.0017	.0016	.0039	.029
%RSD	.11679	.07744	.26168	.03457	.03087	.08023	.05789

#1	49.034	5.1218	5.1841	5.0206	5.1655	4.8302	49.906
#2	49.108	5.1230	5.1952	5.0213	5.1633	4.8366	49.962
#3	48.995	5.1156	5.1683	5.0180	5.1624	4.8372	49.945

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.9258	4.8521	4.9564	51.256	49.026	4.8361	4.8087
SDev	.0020	.0020	.0066	.034	.060	.0014	.0027
%RSD	.03971	.04117	.13398	.06613	.12247	.02907	.05612

#1	4.9236	4.8498	4.9612	51.219	49.038	4.8345	4.8056
#2	4.9271	4.8534	4.9593	51.263	49.079	4.8365	4.8103
#3	4.9268	4.8531	4.9489	51.286	48.961	4.8372	4.8102

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.210	.50605	4.8233	5.0333	50.253	4.8652	5.0927
SDev	.071	.00047	.0067	.0098	.088	.0139	.0008
%RSD	.14657	.09343	.13893	.19412	.17506	.28642	.01596

#1	48.183	.50551	4.8157	5.0238	50.173	4.8492	5.0918
#2	48.156	.50627	4.8262	5.0328	50.347	4.8717	5.0934
#3	48.290	.50637	4.8281	5.0433	50.240	4.8746	5.0928

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8526	5.3127	5.0439	5.0453	5.0909	4.8020	4.8335
SDev	.0063	.0048	.0065	.0086	.0017	.0099	.0095
%RSD	.12960	.08954	.12897	.17030	.03247	.20682	.19556

#1	4.8488	5.3073	5.0371	5.0374	5.0890	4.7963	4.8249
#2	4.8493	5.3162	5.0446	5.0545	5.0917	4.8135	4.8321
#3	4.8599	5.3147	5.0501	5.0440	5.0919	4.7963	4.8436

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	5.0595	5.0198
SDev	.0193	.0176
%RSD	.39079	.35121

#1	5.0471	5.0117
#2	5.0823	5.0076
#3	5.0491	5.0400

Analysis Report

Wed 04-10-96 09:24:52 PM 006234

Method: TAL Sample Name: ccb

Operator: jmb

Run Time: 04/10/96 21:19:42

Comment:

de: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14307	.00321	.00364	.00151	.00155	.00147	-.07887
SDev	.00848	.00045	.00449	.00081	.00079	.00083	.00768
%RSD	5.9251	13.899	123.35	53.511	51.052	56.373	9.7306

#1	.14077	.00367	.00368	.00080	.00084	.00082	-.08082
#2	.15245	.00318	.00810	.00239	.00240	.00240	-.07041
#3	.13597	.00278	-.00087	.00133	.00140	.00119	-.08539

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00179	.00181	.00175	-.05648	.04032	.00140	.00152
SDev	.00089	.00102	.00074	.01056	.01159	.00078	.00074
%RSD	49.457	56.570	41.975	18.702	28.732	55.383	48.763

#1	.00100	.00105	.00106	-.05888	.03411	.00071	.00122
#2	.00275	.00297	.00252	-.04493	.05369	.00224	.00237
#3	.00163	.00141	.00168	-.06564	.03317	.00125	.00098

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.91247	.00068	.00190	.00152	.85082	.00631	.00187
SDev	.01660	.00013	.00084	.00067	.08514	.00067	.00074
%RSD	1.8190	19.680	44.228	43.873	10.007	10.540	39.466

#1	.89370	.00053	.00099	.00206	.75658	.00708	.00123
#2	.91851	.00074	.00264	.00171	.87368	.00593	.00268
#3	.92521	.00078	.00207	.00078	.92220	.00593	.00171

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00137	.00749	.00353	.00263	.00161	.00245	.00117
SDev	.00082	.00109	.00116	.00145	.00072	.00067	.00103
%RSD	59.952	14.498	32.872	55.133	44.947	27.338	87.978

#1	.00080	.00755	.00419	.00124	.00100	.00173	.00016
#2	.00231	.00854	.00419	.00413	.00241	.00255	.00223
#3	.00100	.00637	.00219	.00250	.00143	.00306	.00119

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00142	.00116
SDev	.00272	.00219
%RSD	192.29	187.79

#1	.00135	.00202
#2	-.00127	.00280
#3	.00417	-.00132

Method: IAI

Sample Name: 250 ppm Fe

Operator: tap

Run Time: 04/10/96 11:24:56

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12871	.00078	.00362	.00104	.00044	.00089	-.09968
SDev	.01598	.00131	.00300	.00008	.00006	.00010	.00173
%RSD	12.413	167.54	82.796	7.9701	12.460	10.859	1.7317

#1	.12339	.00228	.00023	.00112	.00050	.00078	-.09777
#2	.11608	.00014	.00592	.00106	.00042	.00094	-.10013
#3	.14667	-.00009	.00471	.00095	.00040	.00095	-.10114

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00114	.00089	.01165	273.26	.00263	.00025	.00033
SDev	.00016	.00012	.00029	.63	.00464	.00005	.00012
%RSD	14.048	13.832	2.5119	.22998	176.62	20.166	35.843

#1	.00120	.00090	.01191	273.77	.00791	.00031	.00023
#2	.00096	.00076	.01133	273.46	-.00078	.00022	.00030
#3	.00127	.00101	.01170	272.56	.00075	.00022	.00046

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.89103	-.00014	-.00003	.01322	.76296	.00161	-.00497
SDev	.01637	.00027	.00029	.00327	.07077	.00159	.00022
%RSD	1.8374	196.39	865.90	24.713	9.2752	98.813	4.4570

#1	.90562	.00018	.00030	.01658	.83032	.00026	-.00516
#2	.89415	-.00028	-.00021	.01304	.76934	.00120	-.00502
#3	.87332	-.00031	-.00020	.01005	.68922	.00336	-.00473

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00216	.00663	.02484	.00261	.00055	.00222	-.00160
SDev	.00001	.00071	.00048	.00068	.00001	.00072	.00074
%RSD	.45642	10.642	1.9465	25.999	2.4492	32.286	46.362

#1	.00217	.00735	.02431	.00221	.00054	.00161	-.00080
#2	.00216	.00658	.02526	.00222	.00054	.00301	-.00026
#3	.00215	.00595	.02495	.00330	.00057	.00203	-.00173

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00855	.01516
SDev	.00475	.00304
%RSD	55.548	20.036

#1	.01403	.01745
#2	.00569	.01631
#3	.00593	.01172

Method: IAL Sample Name: 500 ppm Al

Operator: tap

Run File: 04/10/96 11:30:11

Comment:

det: 0000 Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	490.72	.00160	.00253	.00258	.00117	-.00005	-.08431
SDev	3.82	.00432	.00548	.00002	.00002	.00006	.00017
%RSD	.77806	271.04	216.47	.68108	1.5710	106.22	.20403

#1	486.96	.00651	.00571	.00260	.00115	.00001	-.08442
#2	494.60	-.00009	-.00379	.00257	.00119	-.00006	-.08411
#3	490.60	-.00163	.00568	.00257	.00117	-.00011	-.08439

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00154	.00030	.00223	-.01007	.01247	-.00006	.00148
SDev	.00023	.00016	.00030	.00591	.00259	.00004	.00026
%RSD	15.088	54.610	13.460	58.731	20.790	63.381	17.893

#1	.00150	.00019	.00199	-.00344	.01042	-.00003	.00130
#2	.00134	.00022	.00212	-.01197	.01160	-.00010	.00135
#3	.00180	.00048	.00257	-.01479	.01538	-.00004	.00178

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0871	.00185	.00067	-.00024	1.9177	.00065	.00098
SDev	.0179	.00030	.00169	.00520	.1296	.00251	.00018
%RSD	1.6444	15.942	253.28	2175.1	6.7558	383.96	18.784

#1	1.0671	.00165	-.00129	-.00596	1.7800	.00319	.00078
#2	1.0925	.00171	.00164	.00421	1.9361	.00060	.00101
#3	1.1016	.00219	.00165	.00103	2.0371	-.00183	.00115

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00980	.01718	-.00090	.00629	.00103	.03859	-.01874
SDev	.00009	.00035	.00090	.00282	.00007	.00190	.00348
%RSD	.88167	2.0339	100.77	44.855	6.7924	4.9342	18.584

#1	.00972	.01718	-.00123	.00682	.00107	.04078	-.02276
#2	.00980	.01683	.00013	.00324	.00095	.03735	-.01666
#3	.00988	.01753	-.00158	.00881	.00106	.03763	-.01679

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	-.00475	.00159
SDev	.00510	.00581
%RSD	107.41	364.84

#1	-.00853	-.00510
#2	.00105	.00536
#3	-.00678	.00452

Analysis Report

Wed 04-10-96 09:40:36 PM

000241
page 1

Method: TAL

Sample Name: 500 ppm Ca

Operator: tep

Run Time: 04/10/96 21:39:26

Comment:

det: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	PPM	PPM	PPM	PPM	PPM	PPM
Avg	.23289	.00065	-.00128	.00038	.00042	.00003	480.92
SDev	.00594	.00061	.00246	.00005	.00001	.00011	.43
%RSD	2.5486	93.625	192.75	13.852	1.6976	307.86	.09021
#1	.23699	.00120	.00154	.00038	.00043	.00013	480.52
#2	.23560	-.00001	-.00235	.00044	.00041	.00005	481.38
#3	.22608	.00077	-.00301	.00033	.00042	-.00008	480.85
Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	PPM	PPM	PPM	PPM	PPM	PPM
Avg	.00011	.00044	.00504	-.03806	.02761	.00025	.00005
SDev	.00010	.00012	.00025	.00265	.00137	.00004	.00028
%RSD	89.656	27.923	5.0161	6.9622	4.9487	15.516	554.12
#1	.00000	.00052	.00476	-.03771	.02813	.00023	-.00023
#2	.00013	.00052	.00524	-.04086	.02864	.00030	.00006
#3	.00020	.00030	.00512	-.03560	.02606	.00023	.00032
Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	PPM	PPM	PPM	PPM	PPM	PPM
Avg	.85898	-.00036	-.00199	-.00022	1.5166	.00151	.00018
SDev	.00063	.00015	.00067	.00376	.0206	.00142	.00008
%RSD	.07381	43.516	33.620	1694.0	1.3578	94.134	44.657
#1	.85970	-.00025	-.00122	.00280	1.4930	-.00013	.00013
#2	.85874	-.00028	-.00230	-.00443	1.5258	.00239	.00027
#3	.85849	-.00053	-.00244	.00096	1.5309	.00226	.00013
Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00433	.02014	.00008	.00103	.00097	-.00127	-.00280
SDev	.00007	.00058	.00102	.00055	.00006	.00046	.00091
%RSD	1.5508	2.8859	1304.4	53.171	6.3674	36.258	32.423
#1	.00428	.01995	-.00108	.00164	.00090	-.00105	-.00176
#2	.00441	.01968	.00082	.00059	.00100	-.00097	-.00342
#3	.00431	.02079	.00049	.00085	.00100	-.00181	-.00321
Elem	1960/1	1960/2					
Units	ppm	ppm					
Avg	-.00023	-.00062					
SDev	.00431	.00383					
%RSD	1903.6	615.79					
#1	.00129	.00316					
#2	-.00509	-.00450					
#3	.00312	-.00052					

Analysis Report

Wed 04-10-96 09:45:51 PM

page 1

Method: IAL Sample Name: 500 ppm Mg
 Run Time: 04/10/96 21:40:41
 Count:
 100 CONC Corr. Factor: 1

Operator: tap

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15796	.00048	.00097	.00017	.00031	-.00005	-.03000
SDev	.00512	.00065	.00128	.00005	.00001	.00004	.00545
%RSD	3.2420	137.13	132.73	31.362	3.5306	86.201	18.178

#1	.16226	.00122	.00067	.00017	.00030	-.00010	-.02682
#2	.15931	.00023	.00238	.00012	.00032	-.00001	-.02689
#3	.15229	-.00002	-.00014	.00023	.00031	-.00005	-.03630

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg3832	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00332	.00007	.00167	-.05236	502.19	.00909	.00163
SDev	.00012	.00024	.00009	.00335	1.60	.00002	.00021
%RSD	3.4885	355.10	5.6288	6.3947	.31853	.23407	12.706

#1	.00319	.00023	.00167	-.05621	500.40	.00908	.00140
#2	.00340	-.00021	.00158	-.05068	503.48	.00908	.00180
#3	.00338	.00019	.00176	-.05017	502.69	.00911	.00169

Elem	K_7664	Ag3280	Pb2203	Se1960	Na3302	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.92138	-.00004	.00067	.00343	1.1466	.00245	.00036
SDev	.01927	.00028	.00020	.00350	.0514	.00272	.00018
%RSD	2.0912	693.35	29.997	102.08	4.4829	111.40	48.415

#1	.90006	.00028	.00054	.00464	1.0908	-.00001	.00055
#2	.92653	-.00022	.00090	-.00052	1.1571	.00538	.00034
#3	.93755	-.00018	.00057	.00616	1.1920	.00197	.00020

Elem	Zn2062	B_2496	Mo2020	Sn1899	Ti3349	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00151	.01810	-.00016	.00196	-.00174	.00719	-.00304
SDev	.00025	.00046	.00061	.00016	.00006	.00125	.00056
%RSD	16.389	2.5434	384.35	8.1787	3.5518	17.389	18.321

#1	.00132	.01760	-.00040	.00201	-.00168	.00788	-.00359
#2	.00179	.01851	-.00061	.00178	-.00181	.00794	-.00307
#3	.00143	.01817	.00053	.00209	-.00174	.00575	-.00247

Elem	1960/1	1960/2
Units	ppm	ppm
Avg	.00315	.00316
SDev	.00066	.00495
%RSD	20.315	156.56

#1	.00314	.00499
#2	.00252	-.00244
#3	.00379	.00693

Metals Digestion Log

Batch ID: PBSWG 4350

Method: SW-846

EPA 600

CLP

; Number: _____

Date: 04-04-96

Tape Color: pink

Instrument: Trace ICAP GFAA

Analyst: M. Geany

IEA Sample Number	Matrix	Initial Vo./Wt.	Final Volume	Furnace Analysis					ICP Analysis	Due Date	Comments
				Sb	As	Pb	Se	Tl			
PBSWG 4350			200mL								
LCSWG 4350											
101810-001	So	1.0g							Tal	04-11	
-002											Sample
-004 Dup											Dup
-003ms											ms
-005											
-006											
-007											
-008											
-009											
-010											Sample
-011ms											MS
-012 Dup											Dup
-013											
-014											
-015											
-016											
-017											
-018											
-019											
-020											
-021											
-022											

LCS Lot# _____

ml added to LCS: 10.0 mL

ml added to matrix spike: 10.0 mL

*NOT PLATE #958
M-488
R-969

200305

000345

Metals Digestion Log

Batch ID: PBSWG 435D Method: SW-846 EPA 600 (CLP) ; Number: _____

Date: 04-04-96

Tape Color: Yellow Instrument: Trace ICAP GFAA

Analyst: M. GERNY

[illegible]

LCS Lot# _____

ml added to LCS: 10 mL

ml added to matrix spike: 10 ml

HOT PLATES

$$M = 95^\circ\text{C}$$
$$A = 968$$

200306

600246