0071859

SAF-RC-051
100 & 300 Area Component of the RCBRA - Incremental Soil Sampling
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Jill Thomson H4-22 KW 12/6/2006
INITIAL/DATE

COMMENTS:

SDG P06-08-081 SAF-RC-051

Rad only X Chem only Rad & Chem

X Complete Partial

Waste Site: Riparian #13, July

RECEIVED
DEC 18 2006
EDMC

PARAGON ANALYTICS
225 Commerce Drive ✦ Fort Collins, CO 80524 ✦ (800) 443-1511 ✦ (970) 490-1511 ✦ FAX (970) 490-1522

Central Files _____
File Name: _____
Cross Reference: _____

RECEIVED
SEP 06 2006
Department of Ecology
NWP - Richland

RECEIVED
SEP 2006

September 1, 2006

Mr. Jerry Yokel
Washington State Dept. of Ecology
3100 Port of Benton Blvd.
Richland, WA 99352

Re: Paragon Workorder: 06-08-081
Client Project Name: Vernita Bridge Reference Site
Client Project Number: 100/300 RCBRA

Dear Mr. Yokel:

Six soil samples were received from Washington State Dept. of Ecology on August 9, 2006. The samples were scheduled for Inorganics (pages 1-30) and Total Metals (pages 1-366) analyses.

The results for these analyses are contained in the enclosed reports.

Thank you for your confidence in Paragon Analytics. Should you have any questions, please call.

Sincerely,

Paragon Analytics
Lance Steere
Senior Project Manager

LRS/aw
Enclosure: Report

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0608081
Client Name: Washington State Dept. of Ecology
Client Project Name: Vernita Bridge Reference Site
Client Project Number: 100/300 RCBRA
Client PO Number: C9700008

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
J12XD5	0608081-1		SOIL	26-Jul-06	9:13
J12XD6	0608081-2		SOIL	26-Jul-06	11:00
J12XD7	0608081-3		SOIL	26-Jul-06	14:00
J12XD8	0608081-4		SOIL	28-Jul-06	8:47
J12XD9	0608081-5		SOIL	28-Jul-06	10:30
J12XF0	0608081-6		SOIL	07-Aug-06	10:00

0608001

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) _____

Chain-of-Custody Date _____ Page ___ of ___

Originator: Retain pink copy

Project Name / No.: 100/300 ROBERT Sampler(s): _____ Turnaround (circle one): Standard or Rush (Due _____) Dispose: Date _____ or Return to Client

Report To: JERRY YOKEL
Phone: (509) 372-7937
Fax:
E-mail: JYOK461@ECY.WA.GOV
Company: ECOLOGY
Address: 3100 PORT OF BENTON BLVD
RICHLAND WA 99352

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type)	No. of Containers	VOCs SW8260B E624 E524.2	BTEX (only) SW8021B	SVOCs SW8270C E625	OC Pesticides SW8081A E608	PCBs SW8082 E608	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 SW6010B SW7471	Total Metals by ICP SW6010B 7470 7471 E200 ILMO	Dissolved Metals by ICP SW6010B 7470 E200 ILMO	Total Metals by ICP/MS SW6020 E200.8 ILMO	Dissolved Metals by ICP/MS SW6020 E200.8 ILMO	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH GRO DRO EW80158 (both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 SW9320 E904.0	Radium 226 E903.1	Strontium 90 D5811-00	Strontium 89 D5811-00	Gamma Isotopes E901.1
J12XD5	7/26/06	0913	1	S		1														1												
J12XD6	7/26/06	1100	2	S		1														1												
J12XD7	7/26/06	1400	3	S		1														1												
J12XD8	7/28/06	0847	4	S		1														1												
J12XD9	7/28/06	1030	5	S		1														1												

* Time Zone: EST CST MST PST Matrix Key: O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter

Comments:

Form 202r5.xls (4/6/04)

Relinquished By: (1)	Relinquished By: (2)
Signature: Jerry Yokel	Signature: REF 3A
Printed Name: J. W. YOKEL	Printed Name: MSTankovich
Date: 7/28/06 Time: 12:25	Date: 7/31/06 Time: 1500
Company: ECOLOGY	Company: WCH

Received By: (1)	Received By: (2)
Signature: REF 3A	Signature:
Printed Name: 3728 BLDG/300	Printed Name:
Date: 7/28/06 Time: 1225	Date: Time:
Company: WCH	Company: OAK Harbor Freight

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-051-307	Page 1 of 1

Collector COLLOM, L	Company Contact JOAN KESSNER	Telephone No. 375-4688	Project Coordinator KESSNER, JH	Price Code 8K 8D Data Turnaround 45 Days 21/21
Project Designation 100 & 300 Area Component of the RCBRA - Incremental So	Sampling Location RIPARIAN #13, JULY		SAF No. RC-051	Air Quality ☐
Ice Chest No.	Field Logbook No. EL-1592	COA BESRAS6520	Method of Shipment FED EX	
Shipped To Paragon Analytics	Offsite Property No.		Bill of Lading/Air Bill No. SEE OSPC	

POSSIBLE SAMPLE HAZARDS/REMARKS

NONE

Special Handling and/or Storage

Use page 3 for original material to Corvallis for MIS preparation and aliquoting, page 1 for radioanalytical fractions to Eberline, & page 2 for chemical analytical fractions to Lionville.

Preservation	None	None	None								
Type of Container	G/P	G/P	Bucket								
No. of Container(s)	7	7									
Volume	30g	30g	5gal								
SAMPLE ANALYSIS	See item (1) in Special Instructions.	Chromium Hex - 7196	MIS Preparation at Corvallis								

	Sample No.	Matrix *	Sample Date	Sample Time										
1	J12XD5	SOIL	8/7/06	1050	3	3								
2	J12XD6			1209	1	1								
3	J12XD7			1350	1	1								
4	J12XD8			1427	1	1								
5	J12XD9			1452	1	1								

CHAIN OF POSSESSION	Date/Time	Sign/Print Names: Received By/Stored In	Date/Time
Relinquished By/Removed From: Ashley Wille	8/8/06	CH2M Hill	
Relinquished By/Removed From: [illegible]	1000	Received By/Stored In: Fed Ex	8/8/06 1000
Relinquished By/Removed From: FEDEX	8/9/06 0950	Received By/Stored In: [illegible]	8/9/06 0950
Relinquished By/Removed From		Received By/Stored In	
Relinquished By/Removed From		Received By/Stored In	
Relinquished By/Removed From		Received By/Stored In	

SPECIAL INSTRUCTIONS

* These marks indicate that unless lined out, analytes to be included with Strontium-89,90 -- Total Sr analysis fraction.

^- These marks indicate that this is a non-analysis used to properly format COC form. Contact Joan Kessner for any questions.

(1) ICP Metals - 6010 (Full List) [Aluminum, Antimony, Arsenic, Barium, Beryllium, Bismuth, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Phosphorus, Potassium, Selenium, Silicon, Silver, Sodium, Strontium, Thallium, Tin, Uranium, Vanadium, Zinc]

LVL 1: NO Hg ANALYSIS REQUIRED, THEREFORE NO FRACTION OF DIGESTATE TO WCH.

Matrix *

S=Soil
SS=Sediment
SO=Solid
Sl=Sludge
W = Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
Wi=Wipe
L=Liquid
V=Vegetation
X=Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

BHI-EE-011 (08/29/2005)

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-051-312

Collector COLLOM, L	Company Contact JOAN KESSNER	Telephone No. 375-4688	Project Coordinator KESSNER, JH	Price Code ~~8L~~ 8D Data Turnaround
Project Designation 100 & 300 Area Component of the RCBRA - Incremental So	Sampling Location EQUIPMENT BLANK, RIP #13		SAF No. RC-051	Air Quality ☐ ~~45~~ 21/21 Days
Ice Chest No.	Field Logbook No. EL-1592	COA BESRAS6520	Method of Shipment FED EX	
Shipped To Paragon Analytics ~~EBERLINE SERVICES (LIONVILLE)~~	Offsite Property No.		Bill of Lading/Air Bill No. SEE OSPC	

POSSIBLE SAMPLE HAZARDS/REMARKS

NONE

Special Handling and/or Storage

Use page 3 for original material to Corvallis for MIS preparation and aliquoting, page 1 for radioanalytical fractions to Eberline, & page 2 for chemical analytical fractions to Lionville.

Preservation	None	None	None								
Type of Container	G/P	G/P	Bucket								
No. of Container(s)	1	1	1								
Volume	30g	30g	5gal								
SAMPLE ANALYSIS	See item (1) in Special Instructions	Chromium Hex - 7196	MIS Preparation at Corvallis								
Sample No. / Matrix * / Sample Date / Sample Time											
6 J12XF0 / SOIL / 8/7/06 / 1000	X	X									

CHAIN OF POSSESSION	Date/Time	Sign/Print Names	Date/Time
Relinquished By/Removed From: Ashley Wille	8/8/06	Received By/Stored In: CH2M Hill	
Relinquished By/Removed From: [illegible]	1000	Received By/Stored In: Fed Ex	8/8/06 1000
Relinquished By/Removed From: FedEx	8/9/06 0950	Received By/Stored In: [illegible]	8/9/06 0950
Relinquished By/Removed From		Received By/Stored In	
Relinquished By/Removed From		Received By/Stored In	
Relinquished By/Removed From		Received By/Stored In	

SPECIAL INSTRUCTIONS

* These marks indicate that unless lined out, analytes to be included with Strontium-89,90 – Total Sr analysis fraction.

^~ These marks indicate that this is a non-analysis used to properly format COC form. Contact Joan Kessner for any questions.

(1) ICP Metals - 6010 (Full List) [Aluminum, Antimony, Arsenic, Barium, Beryllium, Bismuth, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Phosphorus, Potassium, Selenium, Silicon, Silver, Sodium, Strontium, Thallium, Tin, Uranium, Vanadium, Zinc]

LVL1: NO Hg ANALYSIS REQUIRED, THEREFORE NO FRACTION OF DIGESTATE RETURNED TO WCH.

Matrix *

S=Soil
SE=Sediment
SO=Solid
Sl=Sludge
W = Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
Wi=Wipe
Li=Liquid
Ve=Vegetation
X=Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

BHI-EE-011 (08/29/2005)

CONDITION OF SAMPLE UPON RECEIPT FORM **Paragon Analytics**

Client: WDOE Workorder No: 0608081

Project Manager: L.S. Initials: DTW Date: 8-9-06

1. Does this project require any special handling in addition to standard Paragon procedures?		YES	NO	
2. Are custody seals on shipping containers intact?	NONE	YES	NO	
3. Are Custody seals on sample containers intact?	NONE	YES	NO	
4. Is there a COC (Chain-of-Custody) present or other representative documents?		YES	NO	1.
5. Are the COC and bottle labels complete and legible?		YES	NO	
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		YES	NO	1.
7. Were airbills / shipping documents present and/or removable?	DROP OFF	YES	NO	
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES	NO	
9. Are all aqueous non-preserved samples pH 4-9?	N/A	YES	NO	
10. Is there sufficient sample for the requested analyses?		YES	NO	
11. Were all samples placed in the proper containers for the requested analyses?		YES	NO	
12. Are all samples within holding times for the requested analyses?		YES	NO	
13. Were all sample containers received intact? (not broken or leaking, etc.)		YES	NO	
14. Are all samples requiring no headspace (VOC, GRO, Rx CN/S, radon), headspace free? Size of bubble: ____ < green pea ____ > green pea	N/A	YES	NO	
15. Were samples checked for and free from the presence of residual chlorine? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	N/A	YES	NO	
16. Were the samples shipped on ice?		YES	NO	
17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 #4	RAD ONLY	YES	NO	

Cooler #:	1							
Temperature (°C):	23.8							
No. of custody seals on cooler:	3							
DOT Survey/ Acceptance Information — External µR/hr reading:	12							
Background µR/hr reading:	12							

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO / NA (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

1. C.O.C. from client was used because it was in agreement with samples received, whereas C.O.C. from paragon was not in agreement with samples received. In regards number of samples Use Paragon COC for Dates/times. COC Says ICPMS; Change to TAL by 6010. Hold off on -06 until WDOE verifies to be run.

If applicable, was the client contacted? YES / NO / NA Contact: J. Yokel Date/Time: 8/10/06

Project Manager Signature / Date: [signature] 8/10/06

*IR Gun #2: Oakton, SN 29922500201-0066 *IR Gun #4: Oakton, SN 2372220101-0002

Form 201r19.xls (1/13/06)

FedEx. PRIORITY OVERNIGHT WED

Empl# 571315 01:47 09AUG06

Deliver By:

TRK# 6595 0633 0733 FORM 0201 DEN 09AUG06

80524-CO-US XH FTPA

[redacted]

1

CH2M HILL Soil Sampling Bench Sheet
Spring 2006

Project ID WCH

Project # 336761.AO.ZZ

Site # Riparian # 13, July

Sample # J12XD5

Tray # 72

Tare Wt. 1457 (g)

Total Dry Wt. 3097.0 (g)

Net Dry Wt. 1640.0 (g)

ALL SAMPLES COLLECTED BELOW CONSIST OF 50 SAMPLE INCREMENTS

Analyte	Total grams Collected (g)	Split collected for PARAGON (g)	Split collected for LIONVILLE (g)	Initials
ICP MET	66.6	31.1	34.6	KRM
ICP MET MS	64.7	31.3	31.4	
ICP MET MSD	64.1	30.6	33.4	
HEX CR	63.8	31.6	32.1	
HEX CR MS	65.5	30.3	35.1	
HEX CR MSD	64.5	33.0	31.3	

Comments:

Sub-Sampled Date: 8-7-06 Name (print): Katie Maxey

Sub-Sampled Time: 10:50 Signature: Katie Maxey

(2)

CH2M HILL Soil Sampling Bench Sheet
Spring 2006

Project ID WCH Project # 336761.AO.ZZ

Site # Riparian # 13, July Sample # J12XD6

Tray # 26 Tare Wt. 1451 (g)

Total Dry Wt. 3137.5 (g) Net Dry Wt. 1686.5 (g)

ALL SAMPLES COLLECTED BELOW CONSIST OF 50 SAMPLE INCREMENTS

Analyte	Total grams Collected (g)	Split collected for PARAGON (g)	Split collected for LIONVILLE (g)	Initials
ICP MET	64.6	32.7	~~33.4~~ 32.0	KRM
HEX CR	64.7	31.3	33.1	

Comments:

Sub-Sampled Date: 8-7-06 Name (print): Katie Maxey

Sub-Sampled Time: 12:09 Signature: Katie Maxey

(3)

CH2M HILL Soil Sampling Bench Sheet
Spring 2006

Project ID WCH

Project # 336761.AO.ZZ

Site # Riparian # 13, July

Sample # J12XD7

Tray # 43

Tare Wt. 1452 (g)

Total Dry Wt. 3144.7 (g)

Net Dry Wt. 1692.7 (g)

ALL SAMPLES COLLECTED BELOW CONSIST OF 50 SAMPLE INCREMENTS

Analyte	Total grams Collected (g)	Split collected for PARAGON (g)	Split collected for LIONVILLE (g)	Initials
ICP MET	66.4	~~33.2~~ 32.0 KEM	33.9	KEM
HEX CR	65.9	30.9	34.9	+

Comments:

Sub-Sampled Date: 8-7-06 Name (print): Katie Maxey

Sub-Sampled Time: ~~1450~~ 1350 KAM PM Signature: Katie Maxey

(4)

CH2M HILL Soil Sampling Bench Sheet
Spring 2006

Project ID WCH Project # 336761.AO.ZZ

Site # Riparian # 13, July Sample # J12XD8

Tray # 24 Tare Wt. 1452 (g)

Total Dry Wt. 2894.5 (g) Net Dry Wt. 1442.5 (g)

ALL SAMPLES COLLECTED BELOW CONSIST OF 50 SAMPLE INCREMENTS

Analyte	Total grams Collected (g)	Split collected for PARAGON (g)	Split collected for LIONVILLE (g)	Initials
ICP MET	67.9	33.9	33.5	ICRM
HEX CR	66.9	32.3	34.6	

Comments:

Sub-Sampled Date: 8-7-06 Name (print): Katie Maxey

Sub-Sampled Time: 14:27 Signature: Katie Maxey

CH2M HILL Soil Sampling Bench Sheet
Spring 2006

(5)

Project ID WCH

Project # 336761.AO.ZZ

Site # Riparian # 13, July

Sample # J12XD9

Tray # 28

Tare Wt. 1456 (g)

Total Dry Wt. 2986.8 (g)

Net Dry Wt. 1530.8 (g)

ALL SAMPLES COLLECTED BELOW CONSIST OF 50 SAMPLE INCREMENTS

Analyte	Total grams Collected (g)	Split collected for PARAGON (g)	Split collected for LIONVILLE (g)	Initials
ICP MET	64.2	31.3	32.9	KRM
HEX CR	65.6	31.6	34.0	I

Comments:

Sub-Sampled Date: 8-7-06 Name (print): Katie Maxey

Sub-Sampled Time: 14:52 Signature: Katie Maxey

(6)

CH2M HILL Soil Sampling Bench Sheet
Spring 2006

Project ID WCH Project # 336761.AO.ZZ

Site # Equipment Blank, RIP #13 Sample # J12XF0

Tray # 14 Tare Wt. 1456 (g)

Total Dry Wt. 2807.1 (g) Net Dry Wt. 1351.1 (g)

ALL SAMPLES COLLECTED BELOW CONSIST OF 50 SAMPLE INCREMENTS

Analyte	Total grams Collected (g)	Split collected for PARAGON (g)	Split collected for LIONVILLE (g)	Initials
ICP MET	64.2	30.7	32.7	KRM
HEX CR	64.3	29.0	35.6	KRM

Comments:

Sub-Sampled Date: 8-7-06 Name (print): Katie Maxey

Sub-Sampled Time: 10:00 Signature: Katie Maxey

Paragon Analytics

INORGANICS CASE NARRATIVE

Washington State Dept. of Ecology

Vernita Bridge Reference Site -- 100/300 RCBRA

Order Number - 0608081

1. This report consists of 5 soil samples.
2. The samples were received intact at 23.8°C on 08/09/06.
3. The samples were prepared for analysis based on SW-846, 3rd Edition procedures.
4. The samples were analyzed following SW-846 procedures for the following method:

Analyte	Method	SOP #
Hexavalent chromium	7196A	1122 Rev 4

5. All standards and solutions were used within their recommended shelf life.
6. The samples were prepared and analyzed within the established hold time for this analysis.

All in house quality control procedures were followed, as described below.

7. General quality control procedures.
   - A preparation (method) blank and laboratory control sample (LCS) were prepared and analyzed with the samples in this preparation batch. There were not more than 20 samples in this preparation batch.
   - The method blank associated with this batch was below the reporting limit for the requested analyte. This indicates that no contaminants were introduced to the samples during preparation and analysis.
   - The LCS was within the acceptance limits for this analysis.
   - All initial and continuing calibration blanks (ICB/CCB) associated with this analytical batch were below the reporting limit for the requested analyte.
   - All initial and continuing calibration verifications (ICV/CCV) associated with this analytical batch were within the acceptance criteria for the requested analyte. This indicates a valid calibration and stable instrument conditions.

8. Matrix specific quality control procedures.

   Sample 0608081-1 was designated as the quality control sample for this analysis. Similarity of matrix and therefore relevance of the QC results should not be automatically inferred for any sample other than the native sample selected for QC.

   - A matrix spike (MS) and matrix spike duplicate (MSD) were prepared and analyzed with this batch. All guidance criteria for precision and accuracy were met.

9. Sample dilutions were not required for the requested analysis.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Eric A. Lintner Inorganic Analyst	8/29/06 Date
EX Reviewer's Initials	08-28-06 Date

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0608081
Client Name: Washington State Dept. of Ecology
Client Project Name: Vernita Bridge Reference Site
Client Project Number: 100/300 RCBRA
Client PO Number: C9700008

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
J12XD5	0608081-1		SOIL	26-Jul-06	9:13
J12XD6	0608081-2		SOIL	26-Jul-06	11:00
J12XD7	0608081-3		SOIL	26-Jul-06	14:00
J12XD8	0608081-4		SOIL	28-Jul-06	8:47
J12XD9	0608081-5		SOIL	28-Jul-06	10:30
J12XF0	0608081-6		SOIL	07-Aug-06	10:00

Chain of Custody

C608081

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID)

Chain-of-Custody Date _____ Page ___ of ___ **Originator:** Retain pink copy

Project Name / No.: 200/300 ROBRA Sampler(s): _____ Turnaround (circle one): Standard or Rush (Due _____) Dispose: Date _____ or Return to Client

Report To: JERRY YOKEL
Phone: (509) 372-7937
Fax:
E-mail: JYOK461@ELY.WA.GOV
Company: ECOLOGY
Address: 3100 PORT OF BENTON BLVD
RICHLAND WA 99352

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type)	No. of Containers	VOCs SW8260B E624 E524.2	BTEX (only) SW8021B	SVOCs SW8270C E625	OC Pesticides SW8081A E608	PCBs SW8082 E608	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW5260B 8270C 8081A 8151A	TCLP Metals SW1311 SW6010B SW7470	Total Metals by ICP SW6010B 7470 7471 E200 LMC	Dissolved Metals by ICP SW6010B 7470 E200 ILMO	Total Metals by ICP/MS SW6020 E200.8 ILMC	Dissolved Metals by ICP/MS SW6020 E200.8 ILMO	Hexavalent Chromium SW7196A Alkaline Digest?	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Fixed Fixed 3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH GRO DRO SW8015B (both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu + U + Am + Th Sm	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1 Radium 228 SW9320 E904.0	Strontium 90 D5811-00 Strontium 90 D5811-00	Gamma Isotopes E901.1
J12XD5	7/26/06	0913	1	S																											
J12XD6	7/26/06	1100	2	S																											
J12XD7	7/26/06	1400	3	S																											
J12XD8	7/26/06	0847	4	S																											
J12XD9	7/26/06	1030	5	S																											

* Time Zone: EST CST MST PST Matrix Key: O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter

Comments:

Relinquished By: (1)
Signature: Jerry Yokel
Printed Name: J. W. YOKEL
Date: 7/28/06 Time: 12:25
Company: Ecology

Relinquished By: (2)
Signature: [signature] / Ref 3A
Printed Name: MStankovich
Date: 7/31/06 Time: 1500
Company: WCH

Received By: (1)
Signature: REF 3A
Printed Name: 3728 Bert/200
Date: 7/28/06 Time: 1225
Company: WCH

Received By: (2)
Signature:
Printed Name:
Date: Time:
Company: OAK Habor Freight

Form 202r5.xls (4/6/04)

5

COCA081

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-051-307	Page 1 of 1
Collector: COLLOM, L	Company Contact: JOAN KESSNER	Telephone No.: 375-4688	Project Coordinator: KESSNER, JH	Price Code: ~~8L~~ 8D; Data Turnaround: ~~45~~ 21/21 Days
Project Designation: 100 & 300 Area Component of the RCBRA - Incremental So	Sampling Location: RIPARIAN #13, JULY		SAF No.: RC-051	Air Quality: [illegible]
Ice Chest No.	Field Logbook No.: EL-1592	COA: BESRAS6520	Method of Shipment: FED EX	
Shipped To: Paragon Analytics	Offsite Property No.		Bill of Lading/Air Bill No.: SEE OSPC	

POSSIBLE SAMPLE HAZARDS/REMARKS

NONE

Special Handling and/or Storage

Use page 3 for original material to Corvallis for MIS preparation and aliquoting, page 1 for radioanalytical fractions to Eberline, & page 2 for chemical analytical fractions to Lionville.

Preservation	None	None	None
Type of Container	G/P	G/P	Bucket
No. of Container(s)	7	7	
Volume	30g	30g	5gal
SAMPLE ANALYSIS	See item (1) in Special Instructions	Chromium Hex - 7196	MIS Preparation at Corvallis

	Sample No.	Matrix *	Sample Date	Sample Time										
1	J12XD5	SOIL	8/7/06	1050	3	3								
2	J12XD6			1209	1	1								
3	J12XD7			1350	1	1								
4	J12XD8			1427	1	1								
5	J12XD9			1452	1	1								

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From: Ashley Wille	Date/Time: 8/8/06	Received By/Stored In: CH2M Hill	Date/Time:
Relinquished By/Removed From: [signature]	Date/Time: 1000	Received By/Stored In: Fed Ex	Date/Time: 8/8/06 1000
Relinquished By/Removed From: FedEx	Date/Time: 8/9/06 0950	Received By/Stored In: [signature]	Date/Time: 8/9/06 0950
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

* These marks indicate that unless lined out, analytes to be included with Strontium-89,90 -- Total Sr analysis fraction.

^ These marks indicate that this is a non-analysis used to properly format COC form. Contact Joan Kessner for any questions.

(1) ICP Metals - 6010 (Full List) [Aluminum, Antimony, Arsenic, Barium, Beryllium, Bismuth, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Phosphorus, Potassium, Selenium, Silicon, Silver, Sodium, Strontium, Thallium, Tin, Uranium, Vanadium, Zinc]

LVL 1: NO Hg ANALYSIS REQUIRED, THEREFORE NO FRACTION OF DIGESTATE TO WCH.

Matrix *: S=Soil; SE=Sediment; SO=Solid; SI=Sludge; W=Water; O=Oil; A=Air; DS=Drum Solids; DL=Drum Liquids; T=Tissue; WI=Wipe; L=Liquid; V=Vegetation; X=Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

BHI-EE-011 (08/29/2005)

06080851

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-051-312	Page 1 of 1

Collector: COLLOM, L	Company Contact: JOAN KESSNER — Telephone No.: 375-4688	Project Coordinator: KESSNER, JH	Price Code: ~~8L~~ 8D — Data Turnaround: ~~45~~ 21/21 Days
Project Designation: 100 & 300 Area Component of the RCBRA - Incremental So	Sampling Location: EQUIPMENT BLANK, RIP #13	SAF No.: RC-051	Air Quality: ☐ 4/0 2006
Ice Chest No.	Field Logbook No.: EL-1592 — COA: BESRAS6520	Method of Shipment: FED EX	
Shipped To: Paragon Analytics ~~EBERLINE SERVICES (LIONVILLE)~~	Offsite Property No.	Bill of Lading/Air Bill No.: SEE OSPC	

POSSIBLE SAMPLE HAZARDS/REMARKS

NONE

Special Handling and/or Storage

Use page 3 for original material to Corvallis for MIS preparation and aliquoting, page 1 for radioanalytical fractions to Eberline, & page 2 for chemical analytical fractions to Lionville.

Preservation				None	None	None							
Type of Container				G/P	G/P	Bucket							
No. of Container(s)				1	1	1							
Volume				30g	30g	5gal							
SAMPLE ANALYSIS				See Item (1) in Special Instructions.	Chromium Hex - 7196	MIS Preparation at Corvallis							
Sample No.	Matrix *	Sample Date	Sample Time										
6 J12XF0	SOIL	8/7/06	1000	X	X								

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From: Ashley Wille	Date/Time: 8/8/06	Received By/Stored In: CH2M Hill	Date/Time:
Relinquished By/Removed From: [signature]	Date/Time: 1000	Received By/Stored In: Fed Ex	Date/Time: 8/8/06 1000
Relinquished By/Removed From: FedEx	Date/Time: 8/9/06 0950	Received By/Stored In: [signature]	Date/Time: 8/9/06 0950
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

* These marks indicate that unless lined out, analytes to be included with Strontium-89,90 – Total Sr analysis fraction.

^ These marks indicate that this is a non-analysis used to properly format COC form. Contact Joan Kessner for any questions.

(1) ICP Metals - 6010 (Full List) [Aluminum, Antimony, Arsenic, Barium, Beryllium, Bismuth, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Phosphorus, Potassium, Selenium, Silicon, Silver, Sodium, Strontium, Thallium, Tin, Uranium, Vanadium, Zinc]

LVL1: NO Hg ANALYSIS REQUIRED, THEREFORE NO FRACTION OF DIGESTATE RETURNED TO WCH.

Matrix *: S=Soil, SE=Sediment, SO=Solid, SL=Sludge, W=Water, O=Oil, A=Air, DS=Drum Solids, DL=Drum Liquids, T=Tissue, WI=Wipe, L=Liquid, V=Vegetation, X=Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

BHI-EE-011 (08/29/2005)

1

CH2M HILL Soil Sampling Bench Sheet
Spring 2006

Project ID WCH Project # 336761.AO.ZZ

Site # Riparian # 13, July Sample # J12XD5

Tray # 72 Tare Wt. 1457 (g)

Total Dry Wt. 3097.0 (g) Net Dry Wt. 1640.0 (g)

ALL SAMPLES COLLECTED BELOW CONSIST OF 50 SAMPLE INCREMENTS

Analyte	Total grams Collected (g)	Split collected for PARAGON (g)	Split collected for LIONVILLE (g)	Initials
ICP MET	66.6	31.1	34.6	CDM
ICP MET MS	64.7	31.3	31.4	
ICP MET MSD	64.1	30.6	33.4	
HEX CR	63.8	31.6	32.1	
HEX CR MS	65.5	30.3	35.1	
HEX CR MSD	64.5	33.0	31.3	

Comments:

Sub-Sampled Date: 8-7-06 Name (print): Katie Maxey

Sub-Sampled Time: 10:50 Signature: Katie Maxey

(2)

CH2M HILL Soil Sampling Bench Sheet
Spring 2006

Project ID WCH Project # 336761.AO.ZZ

Site # Riparian # 13, July Sample # J12XD6

Tray # 26 Tare Wt. 1451 (g)

Total Dry Wt. 3137.5 (g) Net Dry Wt. 1686.5 (g)

ALL SAMPLES COLLECTED BELOW CONSIST OF 50 SAMPLE INCREMENTS

Analyte	Total grams Collected (g)	Split collected for PARAGON (g)	Split collected for LIONVILLE (g)	Initials
ICP MET	64.6	32.7	~~32.4~~ 32.6	KZM
HEX CR	64.7	31.3	33.1	

Comments:

Sub-Sampled Date: 8-7-06 Name (print): Katie Maxey

Sub-Sampled Time: 12:09 Signature: Katie Maxey

(3)

CH2M HILL Soil Sampling Bench Sheet
Spring 2006

Project ID WCH

Project # 336761.AO.ZZ

Site # Riparian # 13, July

Sample # J12XD7

Tray # 43

Tare Wt. 1452 (g)

Total Dry Wt. 3144.7 (g)

Net Dry Wt. 1692.7 (g)

ALL SAMPLES COLLECTED BELOW CONSIST OF 50 SAMPLE INCREMENTS

Analyte	Total grams Collected (g)	Split collected for PARAGON (g)	Split collected for LIONVILLE (g)	Initials
ICP MET	66.4	~~33.2~~ 32.0 kpm	33.9	kpm
HEX CR	65.9	31.9	34.9	↓

Comments:

Sub-Sampled Date: 8-7-06 Name (print): Katie Maxey

Sub-Sampled Time: ~~1450~~ 1350 kpm PM Signature: Katie Maxey

(4)

CH2M HILL Soil Sampling Bench Sheet
Spring 2006

Project ID WCH Project # 336761.AO.ZZ

Site # Riparian # 13, July Sample # J12XD8

Tray # 24 Tare Wt. 1452 (g)

Total Dry Wt. 2844.5 (g) Net Dry Wt. 1442.5 (g)

ALL SAMPLES COLLECTED BELOW CONSIST OF 50 SAMPLE INCREMENTS

Analyte	Total grams Collected (g)	Split collected for PARAGON (g)	Split collected for LIONVILLE (g)	Initials
ICP MET	67.9	33.9	33.5	KCM
HEX CR	66.9	32.3	34.6	"

Comments:

Sub-Sampled Date: 8-7-06 Name (print): Katie Maxey

Sub-Sampled Time: 14:27 Signature: Katie Maxey

CH2M HILL Soil Sampling Bench Sheet
Spring 2006

(5)

Project ID WCH

Project # 336761.AO.ZZ

Site # Riparian # 13, July

Sample # J12XD9

Tray # 25

Tare Wt. 1450 (g)

Total Dry Wt. 2980.8 (g)

Net Dry Wt. 1530.8 (g)

ALL SAMPLES COLLECTED BELOW CONSIST OF 50 SAMPLE INCREMENTS

Analyte	Total grams Collected (g)	Split collected for PARAGON (g)	Split collected for LIONVILLE (g)	Initials
ICP MET	64.2	31.3	32.9	KRM
HEX CR	65.6	31.6	34.0	L

Comments:

Sub-Sampled Date: 8-7-06 Name (print): Katie Maxey

Sub-Sampled Time: 14:52 Signature: Katie Maxey

(6)

CH2M HILL Soil Sampling Bench Sheet
Spring 2006

Project ID WCH Project # 336761.AO.ZZ

Site # Equipment Blank, RIP #13 Sample # J12XF0

Tray # 14 Tare Wt. 1456 (g)

Total Dry Wt. 2807.1 (g) Net Dry Wt. 1351.1 (g)

ALL SAMPLES COLLECTED BELOW CONSIST OF 50 SAMPLE INCREMENTS

Analyte	Total grams Collected (g)	Split collected for PARAGON (g)	Split collected for LIONVILLE (g)	Initials
ICP MET	64.2	30.7	32.7	KRm
HEX CR	64.3	28.0	35.6	KRm

Comments:

Sub-Sampled Date: 5-7-06 Name (print): Katie Maxey

Sub-Sampled Time: 10:00 Signature: [signature]

CONDITION OF SAMPLE UPON RECEIPT FORM **Paragon Analytics**

Client: WDOE Workorder No: 0608081

Project Manager: L.S. Initials: DTW Date: 8-9-06

1. Does this project require any special handling in addition to standard Paragon procedures?			YES	(NO)
2. Are custody seals on shipping containers intact?	NONE	(YES)	NO	
3. Are Custody seals on sample containers intact?	(NONE)	YES	NO	
4. Is there a COC (Chain-of-Custody) present or other representative documents?		(YES)	NO	
5. Are the COC and bottle labels complete and legible?		(YES)	NO	
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		(YES)	NO	
7. Were airbills / shipping documents present and/or removable?	DROP OFF	(YES)	NO	
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	(N/A)	YES	NO	
9. Are all aqueous non-preserved samples pH 4-9?	(N/A)	YES	NO	
10. Is there sufficient sample for the requested analyses?		(YES)	NO	
11. Were all samples placed in the proper containers for the requested analyses?		(YES)	NO	
12. Are all samples within holding times for the requested analyses?		(YES)	NO	
13. Were all sample containers received intact? (not broken or leaking, etc.)		(YES)	NO	
14. Are all samples requiring no headspace (VOC, GRO, Rx CN/S, radon), headspace free? Size of bubble: ____ < green pea ____ > green pea	(N/A)	YES	NO	
15. Were samples checked for and free from the presence of residual chlorine? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO	
16. Were the samples shipped on ice?		YES	(NO)	
17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 (#4)	RAD ONLY	YES	(NO)	

Cooler #: 1

Temperature (°C): 23.8

No. of custody seals on cooler: 3

DOT Survey/ Acceptance Information

External µR/hr reading: 12

Background µR/hr reading: 12

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) / NO / NA (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

1. C.O.C. from client was used because it was in agreement with samples received, whereas C.O.C. from paragon was not in agreement with samples received. In regards number of samples use Paragon COC for Date/time. COC says ICPMS; change to TAL by 6010. Hold off on -06 until WDOE verifies to be run.

If applicable, was the client contacted? (YES) / NO / NA Contact: J. Yolel Date/Time: 8/10/06

Project Manager Signature / Date: 8/10/06

*IR Gun #2: Oakton, SN 29922500201-0066 *IR Gun #4: Oakton, SN 2372220101-0002

Form 201r19.xls (1/13/06)

FedEx. PRIORITY OVERNIGHT

Expd 571315 01:47 09AUG06

TRK# 6595 0633 0733 FORM 0201

80524-CO-US

XH FTEA

DEN

WED

Deliver By:

09AUG06

Inorganic Qualifiers

Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Concentration qualifier -- If the analyte was analyzed for but not detected a "U" is entered.

- QC qualifier -- Specified entries and their meanings are as follows:

  N - Spiked sample recovery not within control limits.

  * - Duplicate analysis (relative percent difference) not within control limits.

  Z - Calibration spike recovery not within control limits.

Sample Results

CHROMIUM VI

Method SW7196A

Sample Results

Lab Name: Paragon Analytics
Client Name: Washington State Dept. of Ecology
Client Project ID: Vernita Bridge Reference Site 100/300 RCBRA
Work Order Number: 0608081 **Final Volume:** 330 ml
Reporting Basis: As Received **Matrix:** SOIL
Prep Method: METHOD **Result Units:** mg/kg

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
J12XD5	0608081-1	07/26/2006	08/22/2006	08/22/2006	N/A	1	0.1	0.1	U	33 g
J12XD6	0608081-2	07/26/2006	08/22/2006	08/22/2006	N/A	1	0.1	0.1	U	31.34 g
J12XD7	0608081-3	07/26/2006	08/22/2006	08/22/2006	N/A	1	0.1	0.1	U	30.8 g
J12XD8	0608081-4	07/28/2006	08/22/2006	08/22/2006	N/A	1	0.1	0.1	U	32.25 g
J12XD9	0608081-5	07/28/2006	08/22/2006	08/22/2006	N/A	1	0.1	0.1	U	31.25 g

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *CR0608081-1*

QC and Summary Report Forms

Hexavalent Chromium

Method SW7196A
Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: WC060822-1MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 22-Aug-06
Date Analyzed: 22-Aug-06
Prep Method: METHOD

Prep Batch: WC060822-1
QCBatchID: WC060822-1-1
Run ID: CR060822-1A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 30 g
Final Volume: 300 ml
Result Units: mg/kg
Clean DF: 1
File Name: Manual Entr

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
18540-29-9	CHROMIUM VI	1	0.1	0.1	U	

Data Package ID: *CR0608081-1*

Hexavalent Chromium

Method SW7196A

Laboratory Control Sample

Lab Name: Paragon Analytics

Work Order Number: 0608081

Client Name: Washington State Dept. of Ecology

ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: WC060822-1LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/22/2006
Date Analyzed: 08/22/2006
Prep Method: METHOD

Prep Batch: WC060822-1
QCBatchID: WC060822-1-1
Run ID: CR060822-1A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 30 g
Final Volume: 300 ml
Result Units: mg/kg
Clean DF: 1
File Name: Manual Entr

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
18540-29-9	CHROMIUM VI	3	3.02	0.1		101	80 - 120%

Data Package ID: *CR0608081-1*

Hexavalent Chromium

Method SW7196A

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Field ID: J12XD5
LabID: 0608081-1MS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: 26-Jul-06
Date Extracted: 22-Aug-06
Date Analyzed: 22-Aug-06
Prep Method: METHOD

Prep Batch: WC060822-1
QCBatchID: WC060822-1-1
Run ID: CR060822-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 30.33 g
Final Volume: 303 ml
Result Units: mg/kg
File Name: Manual Entry

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
18540-29-9	CHROMIUM VI	0.1	U	0.762		0.0999	0.999	76	75 - 125%

Field ID: J12XD5
LabID: 0608081-1MSD

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: 26-Jul-06
Date Extracted: 22-Aug-06
Date Analyzed: 22-Aug-06
Prep Method: METHOD

Prep Batch: WC060822-1
QCBatchID: WC060822-1-1
Run ID: CR060822-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 31.5 g
Final Volume: 315 ml
Result Units: mg/kg
File Name: Manual Entry

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
18540-29-9	CHROMIUM VI	0.763		1	76	0.1	20	0

Data Package ID: *CR0608081-1*

CHROMIUM VI

Method SW7196

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Brkige Reference Site 100/300 RCBRA

Date Analyzed: 22-Aug-06
Run ID: CR060822-1A
Result Units: mg/l

Lab ID	Verification Type	Date Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
ICV	Initial Calibration	8/22/2006	0.1	0.102	0.01	N/A	102	90 - 110
CCV1	Continuing Calibration	8/22/2006	0.3	0.3	0.01	N/A	100	90 - 110

Data Package ID: *CR0608081-1*

CHROMIUM VI

Method SW7196

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Date Analyzed: 22-Aug-06
Run ID: CR060822-1A
Result Units: mg/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
ICB	Initial Calibration	8/22/2006	0.01	0.01	U
CCB1	Continuing Calibration	8/22/2006	0.01	0.01	U

Data Package ID: *CR0608081-1*

Prep Batch ID: WC060822-1

Start Date: 08/22/06
Start Time: 12:30
Prep Analyst: Joseph Witters

End Date: 08/22/06
End Time: 13:30

Concentration Method: NONE
Extract Method: METHOD
Initial Volume Units: g
Final Volume Units: ml

Batch Created By: JBW
Date Created: 08/22/06
Time Created: 15:44
Validated By: EAL
Date Validated: 08/25/06
Time Validated: 13:11

Comments:

QC Batch ID: WC060822-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
WC060822-1	MB	XXXXXX	SOIL	XXXXXX	30	300	NONE	1	0608081
WC060822-1	LCS	XXXXXX	SOIL	XXXXXX	30	300	NONE	1	0608081
0608081-1	MS	J12XD5	SOIL	7/26/2006	30.33	303	NONE	1	0608081
0608081-1	MSD	J12XD5	SOIL	7/26/2006	31.5	315	NONE	1	0608081
0608081-1	SMP	J12XD5	SOIL	7/26/2006	33	330	NONE	1	0608081
0608081-2	SMP	J12XD6	SOIL	7/26/2006	31.34	313	NONE	1	0608081
0608081-3	SMP	J12XD7	SOIL	7/26/2006	30.8	308	NONE	1	0608081
0608081-4	SMP	J12XD8	SOIL	7/28/2006	32.25	323	NONE	1	0608081
0608081-5	SMP	J12XD9	SOIL	7/28/2006	31.25	313	NONE	1	0608081

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Supporting Raw Data

36
PROJECT AQ EXTRACTION OF SOIL FOR CR+6

Notebook No. 3010
Continued From Page

DATE: 8/22/06 TIME: 1230-1330 ANALYST: JW

ID	SAMPLE WT (g)	FINAL VOL: (mL)
WC060822-1 MB	30.0 SAND:	300.0
-1 LCS	EMD 43205390	9 mL of 10 mg/L Cr+6 STO60522-12
0608081-1	33.0	330
-1 MS	30.33	303
-1 MSD	31.50	315
-2	31.34	313
-3	30.80	308
-4	32.25	323
-5	31.25	313
-6 JW 8/22/06		

3.03 mL of 10 mg/L Cr+6 STO60522-11
3.15 mL of 10 mg/L Cr+6 STO60522-12-11
JW 8/22/06

JW 8/22/06

$CaCl_2$ (0.02 ~): RG060822-1

JW 8/22/06

Continued on Page

Read and Understood By

Signed	Date	Signed	Date
JW	8/22/06	[signature]	8/22/2006

CHROMIUM VI Raw Data Worksheet

Anal Run ID CR060822-1A

Anal Start Date 8/22/2006 ANAL. TIME: 1445-1500

Calib Ref ID HexCrCAL060822-1 JL 8/22/06

Standard	Response	Soln Conc	Units
0	-0.001		mg/L
0.01	0.017		mg/L
0.05	0.089		mg/L
0.1	0.182		mg/L
0.3	0.527		mg/L
0.5	0.873		mg/L

Slope	
Intercept	
RSQ	

RW 8/23/06

Num	Don't Use	ReRun Num	Lab ID	QC Type	Anal Dil	Init Abs (540nm)	Fin Abs (540nm)	Corr Abs (540nm)	Soln Conc (mg/L)	Expected	%Rec
1	☐	0	ICV	ICV	1	0	0.180			0.1	
2	☐	0	ICB	ICB	1		-0.000				
3	☐	0	WC060822-1	MB	1		0.002				
4	☐	0	WC060822-1	LCS	1		0.529				
5	☐	0	0608081-1	SMP	1	0.013	0.013				
6	☐	0	0608081-1	MS	1	0.011	0.146				
7	☐	0	0608081-1	MSD	1	0.012	0.147				
8	☐	0	0608081-2	SMP	1	0.021	0.022				
9	☐	0	0608081-3	SMP	1	0.014	0.016				
10	☐	0	0608081-4	SMP	1	0.010	0.012				
11	☐	0	0608081-5	SMP	1	0.005	0.007				
12	☐	0	CCV1	CCV	1	0	0.526			0.3	
13	☐	0	CCB1	CCB	1	0	-0.001				

Standards, Batch QC, and Matrix Spike Information

ID	Parent ID	Parent Conc	Parent Vol.	Final Vol.
0.50 mg/L Cr+6	*	10 mg/L Cr+6	1.000	20.0
0.30 mg/L Cr+6	*	10 mg/L Cr+6	0.600	20.0
0.10 mg/L Cr+6	*	10 mg/L Cr+6	0.200	20.0
0.05 mg/L Cr+6	*	10 mg/L Cr+6	0.100	20.0
0.01 mg/L Cr+6	*	10 mg/L Cr+6	0.020	20.0
ICV (0.10 mg/L Cr+6)	**	10 mg/L Cr+6	0.200	20.0
CCV (0.30 mg/L Cr+6)	*	10 mg/L Cr+6	0.600	20.0
A (0.25 mg/L Cr+6)	*	10 mg/L Cr+6	0.500	20.0
LCS (0.10 mg/L Cr+6)	**	10 mg/L Cr+6	0.200	20.0
MS/MSD (0.10 mg/L Cr+6)	*	10 mg/L Cr+6	0.200	20.0

Reagent List:

10% H2SO4	RG051020-2
Cr+6 (1st)*	ST060522-11
Cr+6 (2nd)**	ST060522-12
Diphenylcarbazide Reagent	RG060727-3

JL 8/22/06

CHROMIUM VI Raw Data Worksheet

Anal Run ID CR060822-1A

Anal Start Date 8/22/2006

Calib Ref ID HexCrCAL060822-1

Standard	Response	Soln Conc	Units
0	-0.001	-0.001572907	mg/L
0.01	0.017	0.008734167	mg/L
0.05	0.089	0.04996246	mg/L
0.1	0.182	0.1032157	mg/L
0.3	0.527	0.3007679	mg/L
0.5	0.873	0.4988928	mg/L

Slope	0.5726151
Intercept	-0.001000292
RSQ	0.9999184

Num	Don't Use	ReRun Num	Lab ID	QC Type	Anal Dil	Init Abs (540nm)	Fin Abs (540nm)	Corr Abs (540nm)	Soln Conc (mg/L)	Expected	%Rec
1	☐	0	ICV	ICV	1	0	0.18	0.18	0.1020704	0.1	102
2	☐	0	ICB	ICB	1	0	0	0	-0.0010003		
3	☐	0	WC060822-1	MB	1	0	0.002	0.002	0.00014494		
4	☐	0	WC060822-1	LCS	1	0	0.529	0.529	0.3019131		
5	☐	0	0608081-1	SMP	1	0.013	0.013	0	-0.0010003		
6	☐	0	0608081-1	MS	1	0.011	0.146	0.135	0.07630274		
7	☐	0	0608081-1	MSD	1	0.012	0.147	0.135	0.07630275		
8	☐	0	0608081-2	SMP	1	0.021	0.022	0.001	-0.0004277		
9	☐	0	0608081-3	SMP	1	0.014	0.016	0.002	0.00014494		
10	☐	0	0608081-4	SMP	1	0.01	0.012	0.002	0.00014494		
11	☐	0	0608081-5	SMP	1	0.003	0.007	0.004	0.00129017		
12	☐	0	CCV1	CCV	1	0	0.526	0.526	0.3001953	0.3	100
13	☐	0	CCB1	CCB	1	0	-0.001	-0.001	-0.0015729		

Standards, Batch QC, and Matrix Spike Information

ID	Parent ID	Parent Conc	Parent Vol.	Final Vol.
0.50 mg/L Cr+6	*	10 mg/L Cr+6	1.000	20.0
0.30 mg/L Cr+6	*	10 mg/L Cr+6	0.600	20.0
0.10 mg/L Cr+6	*	10 mg/L Cr+6	0.200	20.0
0.05 mg/L Cr+6	*	10 mg/L Cr+6	0.100	20.0
0.01 mg/L Cr+6	*	10 mg/L Cr+6	0.020	20.0
ICV (0.10 mg/L Cr+6)	*	10 mg/L Cr+6	0.200	20.0
CCV (0.30 mg/L Cr+6)	*	10 mg/L Cr+6	0.600	20.0
A (0.25 mg/L Cr+6)	*	10 mg/L Cr+6	0.500	20.0
LCS (0.10 mg/L Cr+6)	*	10 mg/L Cr+6	0.200	20.0
MS/MSD (0.10 mg/L Cr+6)	*	10 mg/L Cr+6	0.200	20.0

Reagent List:

10% H2SO4	RG051020-2
Cr+6 (1st)*	ST060522-11
Cr+6 (2nd)**	ST060522-12
Diphenylcarbazide Reagent	RG060727-3

Sample Results

Total ICP Metals

Method SW6010B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Field ID: J12XD5	**Sample Matrix:** SOIL	**Prep Batch:** IP060821-2	**Sample Aliquot:** 31.1 g
Lab ID: 0608081-1	**% Moisture:** N/A	**QCBatchID:** IP060821-2-1	**Final Volume:** 2000 ml
	Date Collected: 26-Jul-06	**Run ID:** it060822-1a1	**Result Units:** mg/kg
	Date Extracted: 21-Aug-06	**Cleanup:** NONE	**Clean DF:** 1
	Date Analyzed: 22-Aug-06	**Basis:** As Received	**File Name:** ts60822
	Prep Method: SW3050 Rev B		

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier	
7429-90-5	ALUMINUM	1	9600	13			21,000
7440-36-0	ANTIMONY	3	3.9	3.9	U	N	
7440-38-2	ARSENIC	1	9.7	0.64			9
7440-39-3	BARIUM	1	110	6.4			
7440-41-7	BERYLLIUM	1	0.43	0.32			.8, 2
7440-43-9	CADMIUM	3	0.96	0.96	U		1
7440-70-2	CALCIUM	1	5000	64			
7440-47-3	CHROMIUM	1	20	0.64			38, 14
7440-48-4	COBALT	3	9.5	1.9			
7440-50-8	COPPER	1	32	0.64			27, 22
7439-89-6	IRON	3	26000	19			51,000 25,000
7439-92-1	LEAD	3	70	0.58			11, 15
7439-95-4	MAGNESIUM	1	5000	64			
7439-96-5	MANGANESE	1	490	0.64			11,000,900
7440-02-0	NICKEL	1	21	1.3			46, 16
7440-09-7	POTASSIUM	1	1100	64			
7782-49-2	SELENIUM	3	0.96	0.96	U		
7440-22-4	SILVER	1	0.64	0.64	U		
7440-23-5	SODIUM	1	190	64			
7440-28-0	THALLIUM	3	1.9	1.9	U		
7440-62-2	VANADIUM	1	45	0.64			
7440-66-6	ZINC	3	340	3.9			79, 46

Data Package ID: *IT0608081-1*

Total ICP Metals

Method SW6010B
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Field ID	J12XD6
Lab ID	0608081-2

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: 26-Jul-06
Date Extracted: 21-Aug-06
Date Analyzed: 22-Aug-06
Prep Method: SW3050 Rev B

Prep Batch: IP060821-2
QCBatchID: IP060821-2-1
Run ID: It060822-1s1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 32.7 g
Final Volume: 2000 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts60822

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	9400	12		
7440-36-0	ANTIMONY	3	3.7	3.7	U	
7440-38-2	ARSENIC	1	9.2	0.61		
7440-39-3	BARIUM	1	120	6.1		
7440-41-7	BERYLLIUM	1	0.41	0.31		
7440-43-9	CADMIUM	3	0.98	0.92		
7440-70-2	CALCIUM	1	5400	61		
7440-47-3	CHROMIUM	1	18	0.61		
7440-48-4	COBALT	3	9.4	1.8		
7440-50-8	COPPER	1	30	0.61		
7439-89-6	IRON	3	26000	18		
7439-92-1	LEAD	3	61	0.55		
7439-95-4	MAGNESIUM	1	5000	61		
7439-96-5	MANGANESE	1	520	0.61		
7440-02-0	NICKEL	1	20	1.2		
7440-09-7	POTASSIUM	1	1100	61		
7782-49-2	SELENIUM	3	0.92	0.92	U	
7440-22-4	SILVER	1	0.61	0.61	U	
7440-23-5	SODIUM	1	190	61		
7440-28-0	THALLIUM	3	1.8	1.8	U	
7440-62-2	VANADIUM	1	47	0.61		
7440-66-6	ZINC	3	330	3.7		

Data Package ID: *IT0608081-1*

Total ICP Metals

Method SW6010B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Field ID: J12XD7
Lab ID: 0608081-3

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: 26-Jul-06
Date Extracted: 21-Aug-06
Date Analyzed: 22-Aug-06
Prep Method: SW3050 Rev B

Prep Batch: IP060821-2
QCBatchID: IP060821-2-1
Run ID: it060822-1s1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 32 g
Final Volume: 2000 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts60822

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	9600	12		
7440-36-0	ANTIMONY	3	3.8	3.8	U	
7440-38-2	ARSENIC	1	8.9	0.62		
7440-39-3	BARIUM	1	120	6.2		
7440-41-7	BERYLLIUM	1	0.44	0.31		
7440-43-9	CADMIUM	3	0.94	0.94	U	
7440-70-2	CALCIUM	1	5300	62		
7440-47-3	CHROMIUM	1	21	0.62		
7440-48-4	COBALT	3	9.7	1.9		
7440-50-8	COPPER	1	32	0.62		
7439-89-6	IRON	3	27000	19		
7439-92-1	LEAD	3	54	0.56		
7439-95-4	MAGNESIUM	1	5100	62		
7439-96-5	MANGANESE	1	560	0.62		
7440-02-0	NICKEL	1	22	1.2		
7440-09-7	POTASSIUM	1	1100	62		
7782-49-2	SELENIUM	3	0.94	0.94	U	
7440-22-4	SILVER	1	0.62	0.62	U	
7440-23-5	SODIUM	1	190	62		
7440-28-0	THALLIUM	3	2.6	1.9		
7440-62-2	VANADIUM	1	49	0.62		
7440-66-6	ZINC	3	280	3.8		

Data Package ID: *IT0608081-1*

Total ICP Metals

Method SW6010B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Field ID:	J12XD8
Lab ID:	0608081-4

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: 28-Jul-06
Date Extracted: 21-Aug-06
Date Analyzed: 22-Aug-06
Prep Method: SW3050 Rev B

Prep Batch: IP060821-2
QCBatchID: IP060821-2-1
Run ID: It060822-1a1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 33.9 g
Final Volume: 2000 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts60822

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	9700	12		
7440-36-0	ANTIMONY	3	3.5	3.5	U	
7440-38-2	ARSENIC	1	9.1	0.59		
7440-39-3	BARIUM	1	110	5.9		
7440-41-7	BERYLLIUM	1	0.44	0.29		
7440-43-9	CADMIUM	3	0.88	0.88	U	
7440-70-2	CALCIUM	1	4800	59		
7440-47-3	CHROMIUM	1	22	0.59		
7440-48-4	COBALT	3	10	1.8		
7440-50-8	COPPER	1	34	0.59		
7439-89-6	IRON	3	27000	18		
7439-92-1	LEAD	3	53	0.53		
7439-95-4	MAGNESIUM	1	5100	59		
7439-96-5	MANGANESE	1	540	0.59		
7440-02-0	NICKEL	1	22	1.2		
7440-09-7	POTASSIUM	1	1000	59		
7782-49-2	SELENIUM	3	0.88	0.88	U	
7440-22-4	SILVER	1	0.59	0.59	U	
7440-23-5	SODIUM	1	180	59		
7440-28-0	THALLIUM	3	1.8	1.8	U	
7440-62-2	VANADIUM	1	50	0.59		
7440-66-6	ZINC	3	270	3.5		

Data Package ID: *IT0608081-1*

Total ICP Metals

Method SW6010B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Field ID: J12XD9
Lab ID: 0608081-5

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: 28-Jul-06
Date Extracted: 21-Aug-06
Date Analyzed: 22-Aug-06
Prep Method: SW3050 Rev B

Prep Batch: IP060821-2
QCBatchID: IP060821-2-1
Run ID: it060822-1a1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 31.3 g
Final Volume: 2000 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts60822

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	9500	13		
7440-36-0	ANTIMONY	3	3.8	3.8	U	
7440-38-2	ARSENIC	1	8.9	0.64		
7440-39-3	BARIUM	1	110	6.4		
7440-41-7	BERYLLIUM	1	0.43	0.32		
7440-43-9	CADMIUM	3	0.96	0.96	U	
7440-70-2	CALCIUM	1	5100	64		
7440-47-3	CHROMIUM	1	22	0.64		
7440-48-4	COBALT	3	9.4	1.9		
7440-50-8	COPPER	1	41	0.64		
7439-89-6	IRON	3	27000	19		
7439-92-1	LEAD	3	56	0.58		
7439-95-4	MAGNESIUM	1	5000	64		
7439-96-5	MANGANESE	1	540	0.64		
7440-02-0	NICKEL	1	23	1.3		
7440-09-7	POTASSIUM	1	1000	64		
7782-49-2	SELENIUM	3	0.96	0.96	U	
7440-22-4	SILVER	1	0.64	0.64	U	
7440-23-5	SODIUM	1	180	64		
7440-28-0	THALLIUM	3	1.9	1.9	U	
7440-62-2	VANADIUM	1	49	0.64		
7440-66-6	ZINC	3	290	3.8		

Data Package ID: *IT0608081-1*

Summary Report Forms

ICP Metals

Method SW6010B

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: IP060821-2LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/21/2006
Date Analyzed: 08/22/2006
Prep Method: SW3050B

Prep Batch: IP060821-2
QCBatchID: IP060821-2-1
Run ID: it060822-1a1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1.5 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts60822

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7429-90-5	ALUMINUM	133	114	13.3		85	80 - 120%
7440-36-0	ANTIMONY	33.3	33.5	1.33		100	80 - 120%
7440-38-2	ARSENIC	133	124	0.667		93	80 - 120%
7440-39-3	BARIUM	133	131	6.67		98	80 - 120%
7440-41-7	BERYLLIUM	3.33	3.16	0.333		95	80 - 120%
7440-43-9	CADMIUM	3.33	3.12	0.333		94	80 - 120%
7440-70-2	CALCIUM	2670	2530	66.7		95	80 - 120%
7440-47-3	CHROMIUM	13.3	12.7	0.667		96	80 - 120%
7440-48-4	COBALT	33.3	32.1	0.667		96	80 - 120%
7440-50-8	COPPER	16.7	16.2	0.667		97	80 - 120%
7439-89-6	IRON	66.7	58.2	6.67		87	80 - 120%
7439-92-1	LEAD	33.3	31.8	0.2		96	80 - 120%
7439-95-4	MAGNESIUM	2670	2520	66.7		95	80 - 120%
7439-96-5	MANGANESE	33.3	31.9	0.667		96	80 - 120%
7440-02-0	NICKEL	33.3	31.8	1.33		96	80 - 120%
7440-09-7	POTASSIUM	2670	2280	66.7		86	80 - 120%
7782-49-2	SELENIUM	133	126	0.333		95	80 - 120%
7440-22-4	SILVER	3.33	3.17	0.667		95	80 - 120%
7440-23-5	SODIUM	2670	2360	66.7		88	80 - 120%
7440-28-0	THALLIUM	133	129	0.667		97	80 - 120%
7440-62-2	VANADIUM	33.3	31.8	0.667		95	80 - 120%
7440-66-6	ZINC	33.3	33.5	1.33		100	80 - 120%

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010B

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Field ID: IJ12XD5
LabID: 0608081-1MS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: 26-Jul-06
Date Extracted: 21-Aug-06
Date Analyzed: 22-Aug-06
Prep Method: SW3050 Rev B

Prep Batch: IP060821-2
QCBatchID: IP060821-2-1
Run ID: it060822-1a1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 1.5g
Final Volume: 100ml
Result Units: mg/kg
File Name: ts60822

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7429-90-5	ALUMINUM	9600		11200		13.3	133	1186	80 - 120%
7440-36-0	ANTIMONY	4	U	13.8	N	4	33.3	41	80 - 120%
7440-38-2	ARSENIC	9.7		129		0.667	133	90	80 - 120%
7440-39-3	BARIUM	110		240		6.67	133	96	80 - 120%
7440-41-7	BERYLLIUM	0.43		3.49		0.333	3.33	92	80 - 120%
7440-43-9	CADMIUM	1	U	3.96		1	3.33	120	80 - 120%
7440-70-2	CALCIUM	5000		7730		66.7	2670	102	80 - 120%
7440-47-3	CHROMIUM	20		33.3		0.667	13.3	103	80 - 120%
7440-48-4	COBALT	9.5		41.5		2	33.3	96	80 - 120%
7440-50-8	COPPER	32		49.7		0.667	16.7	103	80 - 120%
7439-89-6	IRON	26000		26000		20	66.7	-90	80 - 120%
7439-92-1	LEAD	70		106		0.6	33.3	108	80 - 120%
7439-95-4	MAGNESIUM	5000		7700		66.7	2670	100	80 - 120%
7439-96-5	MANGANESE	490		472		0.667	33.3	-66	80 - 120%
7440-02-0	NICKEL	21		50.7		1.33	33.3	90	80 - 120%
7440-09-7	POTASSIUM	1100		3440		66.7	2670	89	80 - 120%
7782-49-2	SELENIUM	1	U	127		1	133	96	80 - 120%
7440-22-4	SILVER	0.667	U	3.13		0.667	3.33	94	80 - 120%
7440-23-5	SODIUM	190		2740		66.7	2670	96	80 - 120%
7440-28-0	THALLIUM	2	U	130		2	133	97	80 - 120%
7440-62-2	VANADIUM	45		74.9		0.667	33.3	89	80 - 120%
7440-66-6	ZINC	340		395		4	33.3	163	80 - 120%

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010B

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Field ID:	J12XD5
Lab ID:	0608081-1MSD

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: 26-Jul-06
Date Extracted: 21-Aug-06
Date Analyzed: 22-Aug-06
Prep Method: SW3050 Rev B

Prep Batch: IP060821-2
QCBatchID: IP060821-2-1
Run ID: it060822-1a1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 1.5g
Final Volume: 100ml
Result Units: mg/kg
File Name: ts60822

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
7429-90-5	ALUMINUM	11000		133	1018	13.3	20	2
7440-36-0	ANTIMONY	16	N	33.3	48	4	20	
7440-38-2	ARSENIC	130		133	90	0.667	20	0
7440-39-3	BARIUM	241		133	96	6.67	20	0
7440-41-7	BERYLLIUM	3.52		3.33	93	0.333	20	1
7440-43-9	CADMIUM	4		3.33	120	1	20	
7440-70-2	CALCIUM	7810		2670	105	66.7	20	1
7440-47-3	CHROMIUM	32		13.3	93	0.667	20	4
7440-48-4	COBALT	41.6		33.3	96	2	20	0
7440-50-8	COPPER	49.4		16.7	102	0.667	20	0
7439-89-6	IRON	26500		66.7	675	20	20	2
7439-92-1	LEAD	102		33.3	97	0.6	20	3
7439-95-4	MAGNESIUM	7590		2670	96	66.7	20	1
7439-96-5	MANGANESE	490		33.3	-13	0.667	20	4
7440-02-0	NICKEL	50.2		33.3	88	1.33	20	1
7440-09-7	POTASSIUM	3390		2670	87	66.7	20	1
7782-49-2	SELENIUM	128		133	96	1	20	1
7440-22-4	SILVER	3.16		3.33	95	0.667	20	
7440-23-5	SODIUM	2750		2670	96	66.7	20	0
7440-28-0	THALLIUM	130		133	97	2	20	0
7440-62-2	VANADIUM	79		33.3	101	0.667	20	5
7440-66-6	ZINC	374		33.3	98	4	20	6

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

Analytical Spike Sample Recovery

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Field ID: J12XD5
LabID: 0608081-1A

Run ID: It060823-1a1
Date Analyzed: 23-Aug-06
Result Units: mg/l

Target Analyte	Sample Result	Samp Qual	PS Result	PS Qual	Spike Added	PS % Rec.	Control Limits
ANTIMONY	0.0200	U	1.07		1	107	75 - 125%

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010
Serial Dilution

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Field ID: J12XD5
Lab ID: 0608081-1L

Run ID: It060822-1a1
Date Analyzed: 22-Aug-06
Result Units: mg/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7429-90-5	ALUMINUM	149		144			4
7440-36-0	ANTIMONY	0.0200	U	0.100	U		
7440-38-2	ARSENIC	0.152		0.152			0
7440-39-3	BARIUM	1.75		1.80			3
7440-41-7	BERYLLIUM	0.00667		0.0250	U		
7440-43-9	CADMIUM	0.00500	U	0.0250	U		
7440-70-2	CALCIUM	77.9		78.0			0
7440-47-3	CHROMIUM	0.305		0.324			6
7440-48-4	COBALT	0.0492		0.0500	U		
7440-50-8	COPPER	0.505		0.512			1
7439-89-6	IRON	135		124			8
7439-92-1	LEAD	0.361		0.367			2
7439-95-4	MAGNESIUM	78.1		80.2			3
7439-96-5	MANGANESE	7.69		8.11			5
7440-02-0	NICKEL	0.324		0.346			7
7440-09-7	POTASSIUM	16.5		16.8			2
7782-49-2	SELENIUM	0.00500	U	0.0250	U		
7440-22-4	SILVER	0.0100	U	0.0500	U		
7440-23-5	SODIUM	2.92		5.00	U		
7440-28-0	THALLIUM	0.0100	U	0.0500	U		
7440-62-2	VANADIUM	0.706		0.738			5
7440-66-6	ZINC	1.77		1.78			1

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010
Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: ICV
QC Type: Initial Calibration

Run ID: it060822-1a1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	25.2	24	0.2		95	90 - 110%
7440-36-0	ANTIMONY	0.25	0.261	0.02		104	90 - 110%
7440-38-2	ARSENIC	0.25	0.239	0.01		96	90 - 110%
7440-39-3	BARIUM	0.25	0.249	0.1		99	90 - 110%
7440-41-7	BERYLLIUM	0.25	0.246	0.005		98	90 - 110%
7440-43-9	CADMIUM	0.25	0.243	0.005		97	90 - 110%
7440-70-2	CALCIUM	25.2	24.7	1		98	90 - 110%
7440-47-3	CHROMIUM	0.25	0.248	0.01		99	90 - 110%
7440-48-4	COBALT	0.25	0.246	0.01		98	90 - 110%
7440-50-8	COPPER	0.25	0.249	0.01		100	90 - 110%
7439-89-6	IRON	10.2	9.89	0.1		97	90 - 110%
7439-92-1	LEAD	0.25	0.245	0.003		98	90 - 110%
7439-95-4	MAGNESIUM	25.2	25	1		99	90 - 110%
7439-96-5	MANGANESE	0.25	0.248	0.01		99	90 - 110%
7440-02-0	NICKEL	0.25	0.246	0.02		99	90 - 110%
7440-09-7	POTASSIUM	10	9.52	1		95	90 - 110%
7782-49-2	SELENIUM	0.25	0.251	0.005		101	90 - 110%
7440-22-4	SILVER	0.25	0.241	0.01		96	90 - 110%
7440-23-5	SODIUM	10.2	9.65	1		94	90 - 110%
7440-28-0	THALLIUM	0.25	0.245	0.01		98	90 - 110%
7440-62-2	VANADIUM	0.25	0.243	0.01		97	90 - 110%
7440-66-6	ZINC	0.25	0.248	0.02		99	90 - 110%

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCV2
QC Type: Continuing Calibration

Run ID: It060822-1a1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	50.1	0.2		99	90 - 110%
7440-36-0	ANTIMONY	0.5	0.508	0.02		102	90 - 110%
7440-38-2	ARSENIC	0.5	0.476	0.01		95	90 - 110%
7440-39-3	BARIUM	0.5	0.493	0.1		99	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.49	0.005		98	90 - 110%
7440-43-9	CADMIUM	0.5	0.479	0.005		96	90 - 110%
7440-70-2	CALCIUM	50.5	50.5	1		100	90 - 110%
7440-47-3	CHROMIUM	0.5	0.494	0.01		99	90 - 110%
7440-48-4	COBALT	0.5	0.488	0.01		98	90 - 110%
7440-50-8	COPPER	0.5	0.5	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.488	0.003		98	90 - 110%
7439-95-4	MAGNESIUM	50.5	51	1		101	90 - 110%
7439-96-5	MANGANESE	0.5	0.502	0.01		100	90 - 110%
7440-02-0	NICKEL	0.5	0.486	0.02		97	90 - 110%
7440-09-7	POTASSIUM	20	19.7	1		98	90 - 110%
7782-49-2	SELENIUM	0.5	0.495	0.005		99	90 - 110%
7440-22-4	SILVER	0.5	0.494	0.01		99	90 - 110%
7440-23-5	SODIUM	20.5	20.3	1		99	90 - 110%
7440-28-0	THALLIUM	0.5	0.49	0.01		98	90 - 110%
7440-62-2	VANADIUM	0.5	0.483	0.01		97	90 - 110%
7440-66-6	ZINC	0.5	0.506	0.02		101	90 - 110%

Data Package ID: *IT060E081-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

QC Lab ID: CCV3
QC Type: Continuing Calibration

Run ID: It060822-1a1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	49.7	0.2		98	90 - 110%
7440-36-0	ANTIMONY	0.5	0.51	0.02		102	90 - 110%
7440-38-2	ARSENIC	0.5	0.475	0.01		95	90 - 110%
7440-39-3	BARIUM	0.5	0.494	0.1		99	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.489	0.005		98	90 - 110%
7440-43-9	CADMIUM	0.5	0.477	0.005		95	90 - 110%
7440-70-2	CALCIUM	50.5	50.1	1		99	90 - 110%
7440-47-3	CHROMIUM	0.5	0.491	0.01		98	90 - 110%
7440-48-4	COBALT	0.5	0.485	0.01		97	90 - 110%
7440-50-8	COPPER	0.5	0.499	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.1	0.1		98	90 - 110%
7439-92-1	LEAD	0.5	0.481	0.003		96	90 - 110%
7439-95-4	MAGNESIUM	50.5	50.5	1		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.489	0.01		98	90 - 110%
7440-02-0	NICKEL	0.5	0.485	0.02		97	90 - 110%
7440-09-7	POTASSIUM	20	19.7	1		98	90 - 110%
7782-49-2	SELENIUM	0.5	0.493	0.005		99	90 - 110%
7440-22-4	SILVER	0.5	0.492	0.01		98	90 - 110%
7440-23-5	SODIUM	20.5	20.3	1		99	90 - 110%
7440-28-0	THALLIUM	0.5	0.486	0.01		97	90 - 110%
7440-62-2	VANADIUM	0.5	0.481	0.01		96	90 - 110%
7440-66-6	ZINC	0.5	0.494	0.02		99	90 - 110%

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010
Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCV4
QC Type: Continuing Calibration

Run ID: I060822-1a1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	49.9	0.2		99	90 - 110%
7440-36-0	ANTIMONY	0.5	0.506	0.02		101	90 - 110%
7440-38-2	ARSENIC	0.5	0.476	0.01		95	90 - 110%
7440-39-3	BARIUM	0.5	0.49	0.1		98	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.491	0.005		98	90 - 110%
7440-43-9	CADMIUM	0.5	0.483	0.005		97	90 - 110%
7440-70-2	CALCIUM	50.5	50.8	1		101	90 - 110%
7440-47-3	CHROMIUM	0.5	0.495	0.01		99	90 - 110%
7440-48-4	COBALT	0.5	0.488	0.01		98	90 - 110%
7440-50-8	COPPER	0.5	0.495	0.01		99	90 - 110%
7439-89-6	IRON	20.5	20.3	0.1		99	90 - 110%
7439-92-1	LEAD	0.5	0.48	0.003		96	90 - 110%
7439-95-4	MAGNESIUM	50.5	51.1	1		101	90 - 110%
7439-96-5	MANGANESE	0.5	0.492	0.01		98	90 - 110%
7440-02-0	NICKEL	0.5	0.488	0.02		98	90 - 110%
7440-09-7	POTASSIUM	20	19.7	1		98	90 - 110%
7782-49-2	SELENIUM	0.5	0.489	0.005		98	90 - 110%
7440-22-4	SILVER	0.5	0.491	0.01		98	90 - 110%
7440-23-5	SODIUM	20.5	20.2	1		99	90 - 110%
7440-28-0	THALLIUM	0.5	0.49	0.01		98	90 - 110%
7440-62-2	VANADIUM	0.5	0.482	0.01		96	90 - 110%
7440-66-6	ZINC	0.5	0.502	0.02		100	90 - 110%

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCV5
QC Type: Continuing Calibration

Run ID: It060822-1a1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	49.1	0.2		97	90 - 110%
7440-36-0	ANTIMONY	0.5	0.498	0.02		100	90 - 110%
7440-38-2	ARSENIC	0.5	0.476	0.01		95	90 - 110%
7440-39-3	BARIUM	0.5	0.456	0.1		91	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.494	0.005		99	90 - 110%
7440-43-9	CADMIUM	0.5	0.496	0.005		99	90 - 110%
7440-70-2	CALCIUM	50.5	52.6	1		104	90 - 110%
7440-47-3	CHROMIUM	0.5	0.501	0.01		100	90 - 110%
7440-48-4	COBALT	0.5	0.493	0.01		99	90 - 110%
7440-50-8	COPPER	0.5	0.47	0.01		94	90 - 110%
7439-89-6	IRON	20.5	20.6	0.1		100	90 - 110%
7439-92-1	LEAD	0.5	0.497	0.003		99	90 - 110%
7439-95-4	MAGNESIUM	50.5	53.3	1		106	90 - 110%
7439-96-5	MANGANESE	0.5	0.493	0.01		99	90 - 110%
7440-02-0	NICKEL	0.5	0.496	0.02		99	90 - 110%
7440-09-7	POTASSIUM	20	19.5	1		97	90 - 110%
7782-49-2	SELENIUM	0.5	0.481	0.005		96	90 - 110%
7440-22-4	SILVER	0.5	0.479	0.01		96	90 - 110%
7440-23-5	SODIUM	20.5	20.1	1		98	90 - 110%
7440-28-0	THALLIUM	0.5	0.483	0.01		97	90 - 110%
7440-62-2	VANADIUM	0.5	0.476	0.01		95	90 - 110%
7440-66-6	ZINC	0.5	0.535	0.02		107	90 - 110%

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010
Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCV6
QC Type: Continuing Calibration

Run ID: It060822-1a1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	48.8	0.2		97	90 - 110%
7440-36-0	ANTIMONY	0.5	0.497	0.02		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.457	0.01		91	90 - 110%
7440-39-3	BARIUM	0.5	0.482	0.1		96	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.472	0.005		94	90 - 110%
7440-43-9	CADMIUM	0.5	0.462	0.005		92	90 - 110%
7440-70-2	CALCIUM	50.5	48.4	1		96	90 - 110%
7440-47-3	CHROMIUM	0.5	0.477	0.01		95	90 - 110%
7440-48-4	COBALT	0.5	0.471	0.01		94	90 - 110%
7440-50-8	COPPER	0.5	0.487	0.01		97	90 - 110%
7439-89-6	IRON	20.5	19.5	0.1		95	90 - 110%
7439-92-1	LEAD	0.5	0.467	0.003		93	90 - 110%
7439-95-4	MAGNESIUM	50.5	49	1		97	90 - 110%
7439-96-5	MANGANESE	0.5	0.472	0.01		94	90 - 110%
7440-02-0	NICKEL	0.5	0.47	0.02		94	90 - 110%
7440-09-7	POTASSIUM	20	19.2	1		96	90 - 110%
7782-49-2	SELENIUM	0.5	0.478	0.005		96	90 - 110%
7440-22-4	SILVER	0.5	0.48	0.01		96	90 - 110%
7440-23-5	SODIUM	20.5	19.7	1		96	90 - 110%
7440-28-0	THALLIUM	0.5	0.472	0.01		94	90 - 110%
7440-62-2	VANADIUM	0.5	0.468	0.01		94	90 - 110%
7440-66-6	ZINC	0.5	0.475	0.02		95	90 - 110%

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010
Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCV7
QC Type: Continuing Calibration

Run ID: It060822-1e1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	49.9	0.2		99	90 - 110%
7440-36-0	ANTIMONY	0.5	0.502	0.02		100	90 - 110%
7440-38-2	ARSENIC	0.5	0.462	0.01		92	90 - 110%
7440-39-3	BARIUM	0.5	0.485	0.1		97	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.476	0.005		95	90 - 110%
7440-43-9	CADMIUM	0.5	0.469	0.005		94	90 - 110%
7440-70-2	CALCIUM	50.5	50.2	1		99	90 - 110%
7440-47-3	CHROMIUM	0.5	0.481	0.01		96	90 - 110%
7440-48-4	COBALT	0.5	0.474	0.01		95	90 - 110%
7440-50-8	COPPER	0.5	0.486	0.01		97	90 - 110%
7439-89-6	IRON	20.5	20.1	0.1		98	90 - 110%
7439-92-1	LEAD	0.5	0.471	0.003		94	90 - 110%
7439-95-4	MAGNESIUM	50.5	50.6	1		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.478	0.01		96	90 - 110%
7440-02-0	NICKEL	0.5	0.475	0.02		95	90 - 110%
7440-09-7	POTASSIUM	20	19.3	1		97	90 - 110%
7782-49-2	SELENIUM	0.5	0.481	0.005		96	90 - 110%
7440-22-4	SILVER	0.5	0.481	0.01		96	90 - 110%
7440-23-5	SODIUM	20.5	19.8	1		96	90 - 110%
7440-28-0	THALLIUM	0.5	0.476	0.01		95	90 - 110%
7440-62-2	VANADIUM	0.5	0.471	0.01		94	90 - 110%
7440-66-6	ZINC	0.5	0.483	0.02		97	90 - 110%

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010
Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: ICV
QC Type: Initial Calibration

Run ID: It060823-1a1
Date Analyzed: 08/23/2006
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-36-0	ANTIMONY	0.25	0.26308	0.02		105	90 - 110%

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCV2
QC Type: Continuing Calibration

Run ID: It060823-1a1
Date Analyzed: 08/23/2006
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-36-0	ANTIMONY	0.5	0.54438	0.02		109	90 - 110%

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Brkige Reference Site 100/300 RCBRA

Lab ID: CCV3
QC Type: Continuing Calibration

Run ID: it060823-1a1
Date Analyzed: 08/23/2006
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-36-0	ANTIMONY	0.5	0.54158	0.02		108	90 - 110%

Data Package ID: *IT060E081-1*

ICP Metals

Method SW6010
Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCB2
QC Type: Continuing Calibration

Run ID: It060822-1a1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-36-0	ANTIMONY	0.02	0.02	U
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.005	0.005	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-70-2	CALCIUM	1	1	U
7440-47-3	CHROMIUM	0.01	0.01	U
7440-48-4	COBALT	0.01	0.01	U
7440-50-8	COPPER	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.02	0.02	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U
7440-23-5	SODIUM	1	1	U
7440-28-0	THALLIUM	0.01	0.01	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCB3
QC Type: Continuing Calibration

Run ID: k060822-1a1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-36-0	ANTIMONY	0.02	0.02	U
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.005	0.005	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-70-2	CALCIUM	1	1	U
7440-47-3	CHROMIUM	0.01	0.01	U
7440-48-4	COBALT	0.01	0.01	U
7440-50-8	COPPER	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.02	0.02	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U
7440-23-5	SODIUM	1	1	U
7440-28-0	THALLIUM	0.01	0.01	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCB4
QC Type: Continuing Calibration

Run ID: It060822-1a1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-36-0	ANTIMONY	0.02	0.02	U
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.005	0.005	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-70-2	CALCIUM	1	1	U
7440-47-3	CHROMIUM	0.01	0.01	U
7440-48-4	COBALT	0.01	0.01	U
7440-50-8	COPPER	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.02	0.02	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U
7440-23-5	SODIUM	1	1	U
7440-28-0	THALLIUM	0.01	0.01	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0603081-1*

ICP Metals

Method SW6010
Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCB5
QC Type: Continuing Calibration

Run ID: It060822-1a1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-36-0	ANTIMONY	0.02	0.02	U
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.005	0.005	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-70-2	CALCIUM	1	1	U
7440-47-3	CHROMIUM	0.01	0.01	U
7440-48-4	COBALT	0.01	0.01	U
7440-50-8	COPPER	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.02	0.02	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U
7440-23-5	SODIUM	1	1	U
7440-28-0	THALLIUM	0.01	0.01	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010
Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCB6
QC Type: Continuing Calibration

Run ID: It060822-1a1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-36-0	ANTIMONY	0.02	0.02	U
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.005	0.005	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-70-2	CALCIUM	1	1	U
7440-47-3	CHROMIUM	0.01	0.01	U
7440-48-4	COBALT	0.01	0.01	U
7440-50-8	COPPER	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.02	0.02	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U
7440-23-5	SODIUM	1	1	U
7440-28-0	THALLIUM	0.01	0.01	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCB7
QC Type: Continuing Calibration

Run ID: It060822-1a1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-36-0	ANTIMONY	0.02	0.02	U
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.005	0.005	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-70-2	CALCIUM	1	1	U
7440-47-3	CHROMIUM	0.01	0.01	U
7440-48-4	COBALT	0.01	0.01	U
7440-50-8	COPPER	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.02	0.02	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U
7440-23-5	SODIUM	1	1	U
7440-28-0	THALLIUM	0.01	0.01	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010
Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: ICB
QC Type: Initial Calibration

Run ID: it060823-1a1
Date Analyzed: 08/23/2006
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-36-0	ANTIMONY	0.02	0.02	U

ICP Metals

Method SW6010
Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCB1
QC Type: Continuing Calibration

Run ID: it060823-1a1
Date Analyzed: 08/23/2006
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-36-0	ANTIMONY	0.02	0.02	U

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID:	CCB2
QC Type:	Continuing Calibration

Run ID: It060823-1a1
Date Analyzed: 08/23/2006
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-36-0	ANTIMONY	0.02	0.02	U

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCB3
QC Type: Continuing Calibration

Run ID: It060823-1a1
Date Analyzed: 08/23/2006
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-36-0	ANTIMONY	0.02	0.02	U

ICP Metals

Method SW6010
Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCB4
QC Type: Continuing Calibration

Run ID: It060823-1a1
Date Analyzed: 08/23/2006
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-36-0	ANTIMONY	0.02	0.02	U

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010
Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Lab ID: CCB6
QC Type: Continuing Calibration

Run ID: It060823-1a1
Date Analyzed: 08/23/2006
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-36-0	ANTIMONY	0.02	0.02	U

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Run ID: It060822-1s1
Date Analyzed: 08/22/2006
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7429-90-5	ALUMINUM	500	500	512	513	103
7440-36-0	ANTIMONY		0.6		0.59700	99
7440-38-2	ARSENIC		0.1		0.0901	90
7440-39-3	BARIUM		0.5		0.487	97
7440-41-7	BERYLLIUM		0.5		0.47600	95
7440-43-9	CADMIUM		1		0.889	89
7440-70-2	CALCIUM	500	500	528	525	105
7440-47-3	CHROMIUM		0.5		0.45500	91
7440-48-4	COBALT		0.5		0.457	91
7440-50-8	COPPER		0.5		0.506	101
7439-89-6	IRON	200	200	208	208	104
7439-92-1	LEAD		0.05		0.0459	92
7439-95-4	MAGNESIUM	500	500	531	527	105
7439-96-5	MANGANESE		0.5		0.468	94
7440-02-0	NICKEL		1		0.88800	89
7440-09-7	POTASSIUM					
7782-49-2	SELENIUM		0.05		0.05000	100
7440-22-4	SILVER		0.2		0.197	99
7440-23-5	SODIUM					
7440-28-0	THALLIUM		0.1		0.09560	96
7440-62-2	VANADIUM		0.5		0.47	94
7440-66-6	ZINC		1		0.93400	93

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Run ID: It060622-1a1
Date Analyzed: 06/22/2006
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7429-90-5	ALUMINUM	500	500	511	506	101
7440-36-0	ANTIMONY		0.6		0.58	97
7440-38-2	ARSENIC		0.1		0.0883	88
7440-39-3	BARIUM		0.5		0.47200	94
7440-41-7	BERYLLIUM		0.5		0.461	92
7440-43-9	CADMIUM		1		0.871	87
7440-70-2	CALCIUM	500	500	514	514	103
7440-47-3	CHROMIUM		0.5		0.44600	89
7440-48-4	COBALT		0.5		0.447	89
7440-50-8	COPPER		0.5		0.49500	99
7439-89-6	IRON	200	200	204	203	101
7439-92-1	LEAD		0.05		0.0442	88
7439-95-4	MAGNESIUM	500	500	522	520	104
7439-96-5	MANGANESE		0.5		0.45300	91
7440-02-0	NICKEL		1		0.872	87
7440-09-7	POTASSIUM					
7782-49-2	SELENIUM		0.05		0.0446	89
7440-22-4	SILVER		0.2		0.19400	97
7440-23-5	SODIUM					
7440-28-0	THALLIUM		0.1		0.0946	95
7440-62-2	VANADIUM		0.5		0.45800	92
7440-66-6	ZINC		1		0.91000	91

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Run ID: It060823-1a1
Date Analyzed: 08/23/2006
Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-36-0	ANTIMONY		0.6		0.61102	102

Data Package ID: *IT0608081-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Run ID: It060823-1a1
Date Analyzed: 08/23/2006
Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-36-0	ANTIMONY		0.6		0.59014	98

Data Package ID: *IT0608081-1*

ICP Interelement Correction Factors

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Instrument ID: ICPTrace
Active Date: 3/8/2006
Expiration Date: 3/8/2007

Analyte	Lamda (nm)	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni
ALUMINUM										-0.0058						-0.0013
ANTIMONY									-0.0002							
ARSENIC									-0.005562							
BARIUM																
BERYLLIUM																
CADMIUM												0.000067				
CALCIUM																
CHROMIUM																
COBALT					-0.00035											
COPPER																
IRON										0.084369						
LEAD		0.000306						-0.00001		-0.000884		0.000093		-0.000001	0.000162	0.000243
MAGNESIUM																
MANGANESE																
NICKEL										-0.0013						
POTASSIUM																
SELENIUM		-0.000011		0.002254								-0.000227			0.000717	
SILVER																
SODIUM																
THALLIUM										0.002047		0.000016			0.0015	
VANADIUM																
ZINC																

ICP Interelement Correction Factors

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Instrument ID: ICPTrace
Active Date: 3/8/2006
Expiration Date: 3/8/2007

Analyte	Lamda (nm)	K	Se	Ag	Na	Tl	V	Zn	Sn	Ti	Mo	Li	Sr	B	Si	U
ALUMINUM							0.0211									-0.00472
ANTIMONY										-0.00279	0.00122					
ARSENIC											-0.00236					
BARIUM																
BERYLLIUM							0.000225									
CADMIUM																
CALCIUM																
CHROMIUM																0.001316
COBALT										0.0018	-0.001276					
COPPER																0.000534
IRON							-0.518									-0.00282
LEAD											-0.0008					0.00138
MAGNESIUM																
MANGANESE																
NICKEL																
POTASSIUM																
SELENIUM									-0.000494							
SILVER																0.00105
SODIUM																
THALLIUM							-0.034805			-0.00858						-0.0001
VANADIUM											-0.00155					-0.000232
ZINC										-0.00038						

Metals Linear Ranges

Lab Name: Paragon Analytics
Work Order Number: 0608081
Client Name: Washington State Dept. of Ecology
ClientProject ID: Vernita Bridge Reference Site 100/300 RCBRA

Instrument ID: ICPTrace
Active Date: 07/16/2006
Expiration Date: 10/15/2006

CASNO	Target Analyte	Concentration (ppm)
7429-90-5	ALUMINUM	500
7440-36-0	ANTIMONY	2
7440-38-2	ARSENIC	10
7440-39-3	BARIUM	10
7440-41-7	BERYLLIUM	10
7440-43-9	CADMIUM	10
7440-70-2	CALCIUM	500
7440-47-3	CHROMIUM	10
7440-48-4	COBALT	10
7440-50-8	COPPER	10
7439-89-6	IRON	200
7439-92-1	LEAD	10
7439-95-4	MAGNESIUM	500
7439-96-5	MANGANESE	10
7440-02-0	NICKEL	10
7440-09-7	POTASSIUM	100
7782-49-2	SELENIUM	10
7440-22-4	SILVER	2
7440-23-5	SODIUM	100
7440-28-0	THALLIUM	10
7440-62-2	VANADIUM	10
7440-66-6	ZINC	10

ICPTrace Run Log -- 8/22/2006

Instrument ID: ICPTrace
File Name: ts60822
AnalRunID: it060822-1a1
CalibRefID: it060822-1a1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		MIXCHIGH	MIXCH	1	8/22/2006	11:26	
		MIXBHIGH	MIXBH	1	8/22/2006	11:28	
		MIXAHIGH	MIXAH	1	8/22/2006	11:30	
		ICV	ICV	1	8/22/2006	11:36	
		ICB	ICB	1	8/22/2006	11:38	
		CRI1	CRI	1	8/22/2006	11:40	
		ICSA1	ICSA	1	8/22/2006	11:41	
		ICSAB1	ICSAB	1	8/22/2006	11:43	
		CCV1	CCV	1	8/22/2006	11:45	
		CCB1	CCB	1	8/22/2006	11:49	
		IP060821-2	MB	1	8/22/2006	11:55	IP060821-2
		IP060821-2	LCS	1	8/22/2006	11:56	IP060821-2
	J12XD5	0608081-1	SMP	1	8/22/2006	11:58	IP060821-2
	J12XD5	0608081-1	SER	5	8/22/2006	12:00	IP060821-2
	J12XD5	0608081-1	MS	1	8/22/2006	12:02	IP060821-2
	J12XD5	0608081-1	MSD	1	8/22/2006	12:04	IP060821-2
	J12XD6	0608081-2	SMP	1	8/22/2006	12:06	IP060821-2
	J12XD7	0608081-3	SMP	1	8/22/2006	12:08	IP060821-2
	J12XD8	0608081-4	SMP	1	8/22/2006	12:10	IP060821-2
	J12XD9	0608081-5	SMP	1	8/22/2006	12:11	IP060821-2
		CCV2	CCV	1	8/22/2006	12:13	
		CCB2	CCB	1	8/22/2006	12:16	
	J12XD5	0608081-1	SMP	3	8/22/2006	12:19	IP060821-2
	J12XD5	0608081-1	SER	15	8/22/2006	12:21	IP060821-2
	J12XD5	0608081-1	MS	3	8/22/2006	12:23	IP060821-2
	J12XD5	0608081-1	MSD	3	8/22/2006	12:26	IP060821-2
	J12XD6	0608081-2	SMP	3	8/22/2006	12:28	IP060821-2
	J12XD7	0608081-3	SMP	3	8/22/2006	12:30	IP060821-2
	J12XD8	0608081-4	SMP	3	8/22/2006	12:32	IP060821-2
	J12XD9	0608081-5	SMP	3	8/22/2006	12:35	IP060821-2
	J12XD5	0608081-1	A	1	8/22/2006	12:37	IP060821-2
		EX060820-1	MB	1	8/22/2006	12:41	IP060821-1
		CCV3	CCV	1	8/22/2006	12:43	
		CCB3	CCB	1	8/22/2006	12:45	
		EX060820-1	LCS	1	8/22/2006	12:48	IP060821-1

Data Package ID: IT0608031-1

ICPTrace Run Log -- 8/22/2006

Instrument ID: ICPTrace
File Name: ts60822
AnalRunID: It060822-1a1
CalibRefID: It060822-1a1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		EX060820-1	LCSD	1	8/22/2006	12:50	IP060821-1
		0608106-7	SMP	1	8/22/2006	12:52	IP060821-1
		0608106-7	DUP	1	8/22/2006	12:54	IP060821-1
		0608106-7	SER	5	8/22/2006	12:57	IP060821-1
		0608106-7	MS	1	8/22/2006	12:59	IP060821-1
		0608106-7	MSD	1	8/22/2006	13:01	IP060821-1
		0608106-8	SMP	1	8/22/2006	13:03	IP060821-1
		0608106-9	SMP	1	8/22/2006	13:06	IP060821-1
		0608111-1	SMP	1	8/22/2006	13:10	IP060822-10
		CCV4	CCV	1	8/22/2006	13:13	
		CCB4	CCB	1	8/22/2006	13:15	
		0608111-2	SMP	1	8/22/2006	13:17	IP060822-10
		0608111-3	SMP	1	8/22/2006	13:20	IP060822-10
		0608111-3	SER	5	8/22/2006	13:22	IP060822-10
		0608111-3	MS	1	8/22/2006	13:24	IP060822-10
		0608111-3	MSD	1	8/22/2006	13:26	IP060822-10
		0608111-4	SMP	1	8/22/2006	13:29	IP060822-10
		0608104-1	SMP	2	8/22/2006	13:31	IP060822-11
		0608104-1	SER	10	8/22/2006	13:33	IP060822-11
		0608104-1	MS	2	8/22/2006	13:35	IP060822-11
		0608104-1	MSD	2	8/22/2006	13:38	IP060822-11
		CCV5	CCV	1	8/22/2006	13:40	
		CCB5	CCB	1	8/22/2006	13:43	
		0608104-2	SMP	2	8/22/2006	13:45	IP060822-11
		0608104-3	SMP	2	8/22/2006	13:47	IP060822-11
		0608104-4	SMP	3	8/22/2006	13:49	IP060822-11
		0608104-7	SMP	3	8/22/2006	13:52	IP060822-11
		0608104-5	SMP	3	8/22/2006	13:54	IP060822-11
		0608104-6	SMP	3	8/22/2006	14:01	IP060822-11
		0608104-8	SMP	1	8/22/2006	14:05	IP060822-11
		0608104-9	SMP	3	8/22/2006	14:07	IP060822-11
		0608104-7	SMP	1	8/22/2006	14:12	IP060822-11
		0608111-1	SMP	5	8/22/2006	14:15	IP060822-10
		CCV6	CCV	1	8/22/2006	14:19	
		CCB6	CCB	1	8/22/2006	14:21	

Data Package ID: IT0608081-1

ICPTrace Run Log -- 8/22/2006

Instrument ID: ICPTrace
File Name: ts60822
AnalRunID: It060822-1a1
CalibRefID: It060822-1a1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0608111-2	SMP	5	8/22/2006	14:24	IP060822-10
		0608111-3	SMP	5	8/22/2006	14:26	IP060822-10
		0608111-3	SER	25	8/22/2006	14:27	IP060822-10
		0608111-3	MS	5	8/22/2006	14:29	IP060822-10
		0608111-3	MSD	5	8/22/2006	14:31	IP060822-10
		0608111-4	SMP	5	8/22/2006	14:33	IP060822-10
		CRI2	CRI	1	8/22/2006	14:35	
		ICSA2	ICSA	1	8/22/2006	14:36	
		ICSAB2	ICSAB	1	8/22/2006	14:38	
		CCV7	CCV	1	8/22/2006	14:40	
		CCB7	CCB	1	8/22/2006	14:43	
		0608081-1-1	SMP	1	8/22/2006	14:56	IP060821-2
		0608081-1-2	SMP	1	8/22/2006	14:58	IP060821-2
		0608081-1-3	SMP	1	8/22/2006	15:00	IP060821-2
		0608081-1-4	SMP	1	8/22/2006	15:02	IP060821-2
		0608081-1-5	SMP	1	8/22/2006	15:03	IP060821-2
		0608081-1-6	SMP	1	8/22/2006	15:05	IP060821-2
		0608081-1-7	SMP	1	8/22/2006	15:07	IP060821-2
		0608081-1-8	SMP	1	8/22/2006	15:09	IP060821-2
		0608081-1-9	SMP	1	8/22/2006	15:11	IP060821-2
		0608081-1-10	SMP	1	8/22/2006	15:12	IP060821-2
		CCV8	CCV	1	8/22/2006	15:14	
		CCB8	CCB	1	8/22/2006	15:16	
		0608081-1-11	SMP	1	8/22/2006	15:18	IP060821-2
		0608081-1-12	SMP	1	8/22/2006	15:20	IP060821-2
		0608081-1-13	SMP	1	8/22/2006	15:21	IP060821-2
		0608081-1-14	SMP	1	8/22/2006	15:23	IP060821-2
		0608081-1-15	SMP	1	8/22/2006	15:25	IP060821-2
		0608081-1-16	SMP	1	8/22/2006	15:27	IP060821-2
		0608081-1-17	SMP	1	8/22/2006	15:29	IP060821-2
		0608081-1-18	SMP	1	8/22/2006	15:30	IP060821-2
		0608081-1-19	SMP	1	8/22/2006	15:32	IP060821-2
		0608081-1-20	SMP	1	8/22/2006	15:34	IP060821-2
		CCV9	CCV	1	8/22/2006	15:36	
		CCB9	CCB	1	8/22/2006	15:38	

Data Package ID: IT0608081-1

ICPTrace Run Log -- 8/23/2006

Instrument ID: ICPTrace
File Name: ts60823
AnalRunID: It060823-1a1
CalibRefID: It060823-1a1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0608115-6	MS	1	8/23/2006	13:02	ip060822-2
		0608115-6	MSD	1	8/23/2006	13:04	ip060822-2
		0608135-1	SMP	1	8/23/2006	13:07	ip060822-2
	J12XD5	0608061-1	A	3	8/23/2006	13:38	ip060822-2
		0608069-1	A	1	8/23/2006	13:41	ip060822-1
		0608115-6	A	1	8/23/2006	13:43	ip060822-2
		0608069-1	SMP	3	8/23/2006	13:46	ip060822-1
		0608069-1	DUP	3	8/23/2006	13:48	ip060822-1
		0608069-1	SER	15	8/23/2006	13:53	ip060822-1
		0608069-1	MS	3	8/23/2006	13:55	ip060822-1
		CCV4	CCV	1	8/23/2006	13:58	
		CCB4	CCB	1	8/23/2006	14:00	
		0608069-1	MSD	3	8/23/2006	14:03	ip060822-1
		0608069-2	SMP	3	8/23/2006	14:06	ip060822-1
		0608115-1	SMP	2	8/23/2006	14:07	ip060822-2
		0608115-3	SMP	3	8/23/2006	14:09	ip060822-2
		0608115-4	SMP	2	8/23/2006	14:11	ip060822-2
		0608115-5	SMP	2	8/23/2006	14:13	ip060822-2
		0608115-6	SMP	2	8/23/2006	14:15	ip060822-2
		0608115-6	DUP	2	8/23/2006	14:16	ip060822-2
		0608115-6	SER	10	8/23/2006	14:18	ip060822-2
		0608115-6	MS	2	8/23/2006	14:20	ip060822-2
		CCV5	CCV	1	8/23/2006	14:22	
		CCB5	CCB	1	8/23/2006	14:24	
		0608115-6	MSD	2	8/23/2006	14:26	ip060822-2
		CRI2	CRI	1	8/23/2006	14:28	
		ICSA2	ICSA	1	8/23/2006	14:30	
		ICSAB2	ICSAB	1	8/23/2006	14:32	
		CCV6	CCV	1	8/23/2006	14:34	
		CCB6	CCB	1	8/23/2006	14:37	

Data Package ID: IT0608081-1

Paragon Analytics
LIMS Version: 5.421A

Date Printed: Wednesday, August 30, 2006

Prep Batch ID: IP060821-2

Start Date: 08/21/06
Start Time: 12:30
Prep Analyst: Preston Mathiesen

End Date: 08/21/06
End Time: 19:50

Concentration Method: NONE
Extract Method: SW3050B
Initial Volume Units: g
Final Volume Units: ml

Batch Created By: pim
Date Created: 08/21/06
Time Created: 12:56
Validated By: pim
Date Validated: 08/21/06
Time Validated: 20:05

Comments:

QC Batch ID: IP060821-2-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
IP060821-2	MB	XXXXXX	SOIL	XXXXXX	1.5	100	NONE	1	0608081
IP060821-2	LCS	XXXXXX	SOIL	XXXXXX	1.5	100	NONE	1	0608081
0608081-1	MS	J12XD5	SOIL	7/26/2006	1.5	100	NONE	1	0608081
0608081-1	MSD	J12XD5	SOIL	7/26/2006	1.5	100	NONE	1	0608081
0608081-1	SMP	J12XD5	SOIL	7/26/2006	31.1	2000	NONE	1	0608081
0608081-2	SMP	J12XD6	SOIL	7/26/2006	32.7	2000	NONE	1	0608081
0608081-3	SMP	J12XD7	SOIL	7/26/2006	32	2000	NONE	1	0608081
0608081-4	SMP	J12XD8	SOIL	7/28/2006	33.9	2000	NONE	1	0608081
0608081-5	SMP	J12XD9	SOIL	7/28/2006	31.3	2000	NONE	1	0608081

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Raw Data

HEADER INFORMATION FOR ANALYTICAL SEQUENCE T60822A

SW

STANDARD SOLUTION CODES

MIX A High Standard (ST051103-17) exp 11/16/06

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Na,K	100

The following dilutions of MIX A high standard were made to provide additional calibration standards (prepared daily).

Standard	Dilution	Procedure
MIX A (1/2)	1/2	5ml MIX A high standard diluted to 10ml final volume
MIX A (1/10)	1/10	1ml MIX A high standard diluted to 10ml final volume
MIX A (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

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MIX B High Standard -- made fresh daily as described below

4.0ml Intermediate Mix (ST060519-4) exp 11/16/06
0.04ml 1000ug/ml Ag (ST050822-3) exp 11/16/06
brought to a final volume of 20ml. The resulting concentrations are:

Element	Concentration (ug/ml)
Ag,Sb	2
Ba,Be,Cd,Co,Cu	10
Cr,Mn,Ni,V,Zn	10
As,Pb,Se,Tl	10

The following dilutions of the MIX B high standard were made to provide additional calibration standards.

Standard	Dilution	Procedure
MIX B (1/10)	1/10	1ml of MIX B high standard to 10ml final volume
MIX B (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

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MIX C High Standard (ST051228-2) exp 11/16/06

Element	ug/ml
U,Si	50

Mo,Ti,Li	10
Sr,Sn,B	10

The following dilutions of MIX C High standard were made to provide additional calibration standards (prepared daily).

Standard	Dilution	Procedure
MIX C (1/10)	1/10	1ml MIX A high standard diluted to 10ml final volume
MIX C (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

Reporting Limit Standard (RL STD) -- made fresh daily as described below

0.1ml Intermediate RL STD (ST060519-7) exp 11/16/2006

brought to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Na,K	0.5
Ca,Mg	0.2
Al,U	0.1
Si,B, Fe	0.05
Sn,Li,Mo,Ti,Sr	0.01
Sb	0.008
Ni,Zn,As,Se,Tl	0.005
Pb	0.003
Ba,Cr,Co,Cu	0.002
Mn,Ag,V	0.002
Be,Cd	0.001

ICSA (preparation date: 07/20/06)
Made by diluting:
10ml (ST051102-38) exp 03/14/07
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200

ICSAB (prepraration date: 08/09/06)
Made by diluting:
10ml (ST051102-38) exp 03/14/07
1.0ml (ST051102-36) exp 04/14/07
1.0ml Non-TAL ICSAB Int. (ST050822-8) exp 11/16/06
1.0ml of 1000ug/ml U (ST051102-31) exp 03/20/07

to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200
U	10.0
Cd,Ni,Zn,Li,Sn	1.0
Mo,Si,Ti,Sr,B	1.0
Sb	0.6
Ba,Be,Co,Cr	0.5
Cu,Mn,V	0.5
Ag	0.2
As,Tl	0.1
Pb,Se	0.05

CCV (check standard) -- preparation date: 08/21/06
made by diluting:
0.5ml IV-7 (ST060531-3) exp 06/01/07
0.5ml IV-19 (ST060531-4) exp 06/01/07
5.0ml Major Element 2nd source (ST051228-3) exp 03/14/07
0.5ml Non-TAL CCV Int. (ST051103-14) exp 03/14/07
0.1ml of 10000ug/ml U (ST060519-5) exp 08/19/07

to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	50.5
Fe,Na	20.5
K	20.0
U	10.0
B	1.0
Ba,Be,Cd,Co,Cr,Li	0.5
Cu,Mn,Ni,Sb,V,Zn	0.5
As,Pb,Se,Tl,Mo,Ti	0.5
Ag,Sr,Sn	0.5
Si	2.25

ICV (initial calibration check standard)
Prepared by diluting CCV (described above) 1/2. The 1/2 dilution was made by diluting 5ml of CCV to 10ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	25.25
Fe,Na	10.25
K	10.0
U	5.0
B	0.5
Ba,Be,Cd,Co,Cr,Li	0.25
Cu,Mn,Ni,Sb,V,Zn	0.25
As,Pb,Se,Tl,Mo,Ti	0.25

Ag,Sr,Sn	0.25
Si	1.125

CRI (preparation date: 07/20/06)
Made by diluting:
1.0ml intermediate solution 1 (ST051103-13) exp 03/14/07
1.0ml intermediate solution 2 (ST051103-12) exp 03/14/07
1.0ml intermediate solution 3 (ST051103-11) exp 11/16/06
0.5ml 2000ug/ml Ca,Mg,Na,K (ST051107-3) exp 03/11/07
0.1ml Non-TAL Int. (ST050822-7) exp 11/16/06

to 100ml final volume.

Element	ug/ml
Ca,Mg,Na,K	10.0
Si,Sn	0.1
Fe,U,B	0.2
Al,Ba	0.4
Tl,Cr,Ag,Li,Mo	0.02
Ti,Sr	0.02
Be,Cd,Se,As	0.01
Co,V	0.1
Cu	0.05
Pb	0.006
Mn	0.03
Ni	0.08
Zn	0.04
Sb	0.12

BLANK (used for CCB) 5%HNO3,2.5%HCL in double deionized water

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Acid Lot Numbers

HNO3 -- 1105100
HCl -- 4105090

Pipet ID Numbers

1.0 to 5.0ml M-55
0.1 to 1.0ml M-61
0.01 to 0.1ml M-57

Date of Multi-point calibration: 08/22/06

Interelement Interference Information

The following table summarizes spectral interferences which have been identified and for which IEC's are used. If a sample contains a concentration of an interfering element which exceeds the upper analytical range and an affected element is being determined, it is necessary to dilute the sample to bring the interfering element into the analytical range.

Interfering Element (and upper analytical range in ug/ml)	Affected Elements
Al (500)	Pb,Se
Fe (200)	Cd,Pb,Se,Tl
Ca (500)	Pb
Mg (500)	Pb
Ba (10)	Co
Co (10)	Al,Ni,Fe,Pb,Tl
Cr (10)	As,Sb
Mn (10)	Tl,Pb,Se
Ni (10)	Pb,Al
V (10)	Al,Be,Fe,Tl
U (50)	Al,Cr,Fe,Pb,Tl,Sn,Mo,Ag,Cu,V,Ti
Mo (10)	Sb,V,As,Pb,Sb,Co
Ti (10)	Co,Tl,Sn,Zn,Sb
Sn (10)	Se,Si

The following table lists element concentrations (ug/ml) for which no significant spectral interferences have been observed.

Element	Concentration	Element	Concentration
Pb	100	As	10
Ag	10	Tl	10
Cd	10	Se	10
Be	10	Na	500
Cu	100	K	500
Sb	10		
Zn	100		

Dilutions

5X dilutions made by diluting 1ml of sample to 5ml final volume.

2X dilutions made by diluting 5ml of sample to 10ml final volume.

3X dilutions made by diluting 2ml of sample to 6ml final volume.

10X dilutions made by diluting 1ml of sample to 10ml final volume.

20X dilutions made by diluting 0.5ml of sample to 10ml final volume.

25X dilutions made by diluting 0.2ml of sample to 5ml final volume.

50X dilutions made by diluting 0.1ml of sample to 5ml final volume.

200X dilutions made by diluting 0.05ml of sample to 10ml final volume.

100X dilutions made by diluting 0.1ml of sample to 10ml final volume.

500X dilutions made by diluting 0.02ml of sample to 10ml final volume.

ANALYTICAL SPIKES

0608111-3MS/MSD spiked for the following element(s) at the listed concentration (ug/ml in sample).

AL 2.0	BA 2.0	BE 0.05	CA 40.0	CR 0.2
CO 0.5	CU 0.25	FE 1.0	MG 40.0	MN 0.5
NI 0.5	NA 40.0			

0.1ml of "Cation Spike" (ST060816-8)
0.1ml of "Z Spike" (ST060706-3)
brought to 5ml final volume with sample.

0608104-1MS/MSD spiked for the following element(s) at the listed concentration (ug/ml in sample).

Cr 1.0 Ni 1.0

0.05ml of "IV-19 Spike" (ST060531-4)
brought to 5ml final volume with sample.

0608081-1A post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Sb 1.0

0.05ml of "IV-7 Spike" (ST060531-3)
0.05ml of "IV-19 Spike" (ST060531-4)
brought to 5ml final volume with digestate.

Multi-point calibrations performed at beginning of sequence

Blank; RL STD; Mix A: High, 1/2, 1/10, 1/100; Mix B: High, 1/10, 1/100; Mix C: High, 1/10, 1/100

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	MIXCHIGH	T	30EL	08/22/06	11:26	SW	Q	CONC
2	MIXBHIGH	T	30EL	08/22/06	11:28	SW	Q	CONC
3	MIXAHIGH	T	30EL	08/22/06	11:30	SW	Q	CONC
4	ICV	T	30EL	08/22/06	11:36	SW	Q	CONC
5	ICB	T	30EL	08/22/06	11:38	SW	B	CONC
6	CRI	T	30EL	08/22/06	11:40	SW	S	CONC
7	ICSA	T	30EL	08/22/06	11:41	SW	Q	CONC
8	ICSAB	T	30EL	08/22/06	11:43	SW	Q	CONC
9	CCV	T	30EL	08/22/06	11:45	SW	Q	CONC
10	CCB	T	30EL	08/22/06	11:49	SW	B	CONC
11	IP070821-2MB	T	30EL	08/22/06	11:55	SW	S	CONC
12	IP070821-2LCS	T	30EL	08/22/06	11:56	SW	S	CONC
13	0608081-1 TAL — ① *	T	30EL	08/22/06	11:58	SW	S	CONC
14	0608081-1L 5X	T	30EL	08/22/06	12:00	SW	S	CONC
15	0608081-1MS	T	30EL	08/22/06	12:02	SW	S	CONC
16	0608081-1MSD	T	30EL	08/22/06	12:04	SW	S	CONC
17	0608081-2	T	30EL	08/22/06	12:06	SW	S	CONC
18	0608081-3	T	30EL	08/22/06	12:08	SW	S	CONC
19	0608081-4	T	30EL	08/22/06	12:10	SW	S	CONC
20	0608081-5	T	30EL	08/22/06	12:11	SW	S	CONC
21	CCV	T	30EL	08/22/06	12:13	SW	Q	CONC
22	CCB	T	30EL	08/22/06	12:16	SW	B	CONC
23	0608081-1 3X ①	T	30EL	08/22/06	12:19	SW	S	CONC
24	0608081-1L 15X	T	30EL	08/22/06	12:21	SW	S	CONC
25	0608081-1MS 3X	T	30EL	08/22/06	12:23	SW	S	CONC
26	0608081-1MSD 3X	T	30EL	08/22/06	12:26	SW	S	CONC
27	0608081-2 3X	T	30EL	08/22/06	12:28	SW	S	CONC
28	0608081-3 3X	T	30EL	08/22/06	12:30	SW	S	CONC
29	0608081-4 3X	T	30EL	08/22/06	12:32	SW	S	CONC
30	0608081-5 3X	T	30EL	08/22/06	12:35	SW	S	CONC
31	0608081-1A Not used	T	30EL	08/22/06	12:37	SW	S	CONC
32	EX060820-1MB	T	30EL	08/22/06	12:41	SW	S	CONC
33	CCV	T	30EL	08/22/06	12:43	SW	Q	CONC
34	CCB	T	30EL	08/22/06	12:45	SW	B	CONC
35	EX060820-1LCS	T	30EL	08/22/06	12:48	SW	S	CONC
36	EX060820-1LCSD	T	30EL	08/22/06	12:50	SW	S	CONC
37	0608106-7 RCRA	T	30EL	08/22/06	12:52	SW	S	CONC
38	0608106-7D	T	30EL	08/22/06	12:54	SW	S	CONC
39	0608106-7L 5X	T	30EL	08/22/06	12:57	SW	S	CONC
40	0608106-7MS	T	30EL	08/22/06	12:59	SW	S	CONC
41	0608106-7MSD	T	30EL	08/22/06	13:01	SW	S	CONC
42	0608106-8	T	30EL	08/22/06	13:03	SW	S	CONC
43	0608106-9	T	30EL	08/22/06	13:06	SW	S	CONC
44	0608111-1 ② - Na	T	30EL	08/22/06	13:10	SW	S	CONC

(Sb post spike will be performed in next sequence)

① = Fe, Cd, Pb, Se, Tl, Co, Zn, Sb affected by high Ts

② = Al, Ba, Be, Ca, Cr, Co, Cu, Fe, Mg, Mn, Ni, Na

* These are composite digestates. The complete sample (~30g) was digested by dividing the sample into 20 separate aliquots and performing a 3050B digestion on each aliquot. The composite digestates was made by combining equal volumes from each of the 20 separate digestates. The separate digestates from sample-1 were also analyzed individually later in the sequence to provide information on sample heterogeneity.

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
45	CCV	T	30EL	08/22/06	13:13	SW	Q	CONC
46	CCB	T	30EL	08/22/06	13:15	SW	B	CONC
47	0608111-~~1L 5X~~-2	T	30EL	08/22/06	13:17	SW	S	CONC
48	0608111-~~1MS~~-3	T	30EL	08/22/06	13:20	SW	S	CONC
49	0608111-~~1MSD~~-3L 5X	T	30EL	08/22/06	13:22	SW	S	CONC
50	0608111-~~2~~-3MS	T	30EL	08/22/06	13:24	SW	S	CONC
51	0608111-~~3~~-3MSD	T	30EL	08/22/06	13:26	SW	S	CONC
52	0608111-4	T	30EL	08/22/06	13:29	SW	S	CONC
53	0608104-1 2X	T	30EL	08/22/06	13:31	SW	S	CONC
54	0608104-1L 10X	T	30EL	08/22/06	13:33	SW	S	CONC
55	0608104-1MS 2X	T	30EL	08/22/06	13:35	SW	S	CONC
56	0608104-1MSD 2X	T	30EL	08/22/06	13:38	SW	S	CONC
57	CCV	T	30EL	08/22/06	13:40	SW	Q	CONC
58	CCB	T	30EL	08/22/06	13:43	SW	B	CONC
59	0608104-2 2X	T	30EL	08/22/06	13:45	SW	S	CONC
60	0608104-3 2X	T	30EL	08/22/06	13:47	SW	S	CONC
61	0608104-4 3X	T	30EL	08/22/06	13:49	SW	S	CONC
62	0608104-~~5~~(3X) not used	T	30EL	08/22/06	13:52	SW	S	CONC
63	0608104-~~6~~(3X)	T	30EL	08/22/06	13:54	SW	S	CONC
64	0608104-~~7~~(3X)	T	30EL	08/22/06	14:01	SW	S	CONC
65	0608104-8	T	30EL	08/22/06	14:05	SW	S	CONC
66	0608104-9 3X	T	30EL	08/22/06	14:07	SW	S	CONC
67	0608104-~~5~~7	T	30EL	08/22/06	14:12	SW	S	CONC
68	0608111-1 5X	T	30EL	08/22/06	14:15	SW	S	CONC
69	CCV	T	30EL	08/22/06	14:19	SW	Q	CONC
70	CCB	T	30EL	08/22/06	14:21	SW	B	CONC
71	0608111-2 5X	T	30EL	08/22/06	14:24	SW	S	CONC
72	0608111-3 5X	T	30EL	08/22/06	14:26	SW	S	CONC
73	0608111-3L 25X	T	30EL	08/22/06	14:27	SW	S	CONC
74	0608111-3MS 5X	T	30EL	08/22/06	14:29	SW	S	CONC
75	0608111-3MSD 5X	T	30EL	08/22/06	14:31	SW	S	CONC
76	0608111-4 5X	T	30EL	08/22/06	14:33	SW	S	CONC
77	CRI	T	30EL	08/22/06	14:35	SW	S	CONC
78	ICSA	T	30EL	08/22/06	14:36	SW	Q	CONC
79	ICSAB	T	30EL	08/22/06	14:38	SW	Q	CONC
80	CCV	T	30EL	08/22/06	14:40	SW	Q	CONC
81	CCB	T	30EL	08/22/06	14:42	SW	B	CONC
82	0608081-1-1	T	30EL	08/22/06	14:56	SW	S	CONC
83	0608081-1-2	T	30EL	08/22/06	14:58	SW	S	CONC
84	0608081-1-3	T	30EL	08/22/06	15:00	SW	S	CONC
85	0608081-1-4	T	30EL	08/22/06	15:02	SW	S	CONC
86	0608081-1-5	T	30EL	08/22/06	15:03	SW	S	CONC
87	0608081-1-6	T	30EL	08/22/06	15:05	SW	S	CONC
88	0608081-1-7	T	30EL	08/22/06	15:07	SW	S	CONC
89	0608081-1-8	T	30EL	08/22/06	15:09	SW	S	CONC
90	0608081-1-9	T	30EL	08/22/06	15:11	SW	S	CONC
91	0608081-1-10	T	30EL	08/22/06	15:12	SW	S	CONC
92	CCV	T	30EL	08/22/06	15:14	SW	Q	CONC
93	CCB	T	30EL	08/22/06	15:16	SW	B	CONC
94	0608081-1-11	T	30EL	08/22/06	15:18	SW	S	CONC
95	0608081-1-12	T	30EL	08/22/06	15:20	SW	S	CONC
96	0608081-1-13	T	30EL	08/22/06	15:21	SW	S	CONC
97	0608081-1-14	T	30EL	08/22/06	15:23	SW	S	CONC
98	0608081-1-15	T	30EL	08/22/06	15:25	SW	S	CONC

Na

Cr, N: (diluted to reduce RDS)

Cr, N: (diluted to reduce RDS)

For information only (not reported through LIMS)

② = Al, Ba, Be, Ca, Cr, Co, Cu, Fe, Mg, Mn, Ni, Na

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
99	0608081-1-16	Not reported through LIMS	30EL	08/22/06	15:27	SW	S	CONC
100	0608081-1-17	T	30EL	08/22/06	15:29	SW	S	CONC
101	0608081-1-18	T	30EL	08/22/06	15:30	SW	S	CONC
102	0608081-1-19	T	30EL	08/22/06	15:32	SW	S	CONC
103	0608081-1-20	T	30EL	08/22/06	15:34	SW	S	CONC
104	CCV	T	30EL	08/22/06	15:36	SW	Q	CONC
105	CCB	T	30EL	08/22/06	15:38	SW	B	CONC

#	Element	MIXCHIGH	MIXBHIGH	MIXAHIGH	ICV	ICB	CRI
1	Al	.18656	.17624	492.10	23.995	.04676	.40245
2	Sb	-.01086	2.0237	.02744	.26078	-.00036	.12711
3	As	-.00937	10.117	.01655	.23908	-.00071	.00932
4	Ba	.00036	10.145	.01926	.24873	.00017	.42725
5	Be	.00402	10.077	.01186	.24595	.00027	.01011
6	Cd	-.00139	10.045	.00947	.24290	-.00028	.00994
7	Ca	.08116	.32473	499.84	24.741	-.00162	9.4580
8	Cr	-.00618	10.066	.01412	.24764	.00021	.02013
9	Co	.01354	10.078	.01389	.24584	.00026	.10273
10	Cu	.01056	10.223	.00857	.24933	.00069	.05078
11	Fe	.02488	.67146	199.32	9.8920	.02267	.16099
12	Pb	-.00794	10.064	.01514	.24506	.00025	.00656
13	Mg	.23059	-.02432	499.90	25.049	.00167	9.6003
14	Mn	.00599	10.060	.02104	.24820	.00031	.03135
15	Ni	.00305	10.069	.01384	.24632	-.00005	.08257
16	K_	.17631	.05100	98.788	9.5170	.04515	8.7086
17	Se	.00448	10.126	.01767	.25145	.00048	.00682
18	Ag	-.01215	2.0542	.04140	.24063	-.00046	.02022
19	Na	.67081	.15350	98.861	9.6493	.12762	8.6547
20	Tl	.00595	10.036	.01087	.24534	.00263	.01767
21	V_	.01088	10.093	.01571	.24284	.00000	.10196
22	Zn	.01704	9.9824	.02257	.24758	.00128	.04068
23	Li	9.8806	.01196	.00692	.24492	.00281	.02627
24	Ti	9.8493	.01465	.00453	.25051	.00046	.01997
25	B	9.8429	.06134	.00853	.50956	.00076	.21628
26	Si	48.993	.09437	.01500	1.1564	.00755	.11539
27	Sn	9.9738	.01405	.00430	.25329	.00064	.10192
28	Mo	9.9691	.09757	.01616	.25424	.00465	.02197
29	Sr	9.7786	.01305	.00793	.25628	.00011	.02291
30	U	48.83	.0380	.0195	5.085	-.0064	.1939

#	Element	ICSA	ICSAB	CCV	CCB	IPO'-2MB	IPO'2LCS
1	Al	511.83	512.65	50.545	.03539	.06123	1.7092
2	Sb	.01276	.59655	.51566	.00204	-.00214	.50230
3	As	.00358	.09007	.47540	.00275	.00023	1.8587
4	Ba	.00200	.48663	.50030	.00010	.00166	1.9656
5	Be	.00094	.47564	.49046	.00008	.00000	.04736
6	Cd	-.00183	.88932	.47887	-.00011	-.00032	.04677
7	Ca	528.20	525.44	50.832	.02048	.07312	37.892
8	Cr	.00156	.45453	.49314	.00049	.00021	.19121
9	Co	.00380	.45673	.48697	.00059	.00002	.48144
10	Cu	-.00399	.50592	.50246	.00093	.00164	.24260
11	Fe	207.73	207.55	20.376	.02692	.01322	.87277
12	Pb	.00402	.04586	.47962	.00055	.00099	.47765
13	Mg	530.51	527.26	51.110	.00802	-.00737	37.820
14	Mn	.00790	.46778	.49256	.00029	.00015	.47871
15	Ni	.00538	.88792	.48673	.00045	-.00040	.47755
16	K_	.18420	-.11411	19.740	.11677	-.04530	34.271
17	Se	.00469	.05000	.49017	.00044	-.00219	1.8935
18	Ag	.00092	.19724	.49323	.00064	.00002	.04750
19	Na	.27338	.16486	20.333	.14083	.11587	35.391

—0821 →

#	Element	ICSA	ICSAB	CCV	CCB	IPO'-2MB	IPO'2LCS
20	Tl	.00309	.09558	.48744	.00010	.00075	1.9301
21	V_	.00536	.46976	.48398	.00062	.00001	.47734
22	Zn	.01539	.93370	.49657	.00330	.00800	.50242
23	Li	.00388	1.1495	.50570	.00253	.00218	.50883
24	Ti	.00379	.95653	.49896	.00061	.00008	.48499
25	B	.00283	1.0246	1.0143	.00068	.00379	.97072
26	Si	.00509	1.0175	2.3370	.00295	.01153	1.6913
27	Sn	.00525	.98512	.50042	.00164	.00643	.49216
28	Mo	.00089	.97352	.49867	.00313	.00070	.95901
29	Sr	.00622	1.0115	.51310	.00005	.00178	.49615
30	U	.0356	9.596	10.11	.0159	-.0030	.0216

—081 →

#	Element	060'81-1	060'L 5X	060'-1MS	060'1MSD	060'81-2	060'81-3
1	Al	149.48	28.825	167.92	164.56	153.14	153.45
2	Sb	.01305	.00241	.21966	.21845	.01274	.00548
3	As	.15155	.03037	1.9384	1.9455	.15087	.14307
4	Ba	1.7485	.35900	3.5999	3.6125	1.9867	1.8801
5	Be	.00667	.00142	.05240	.05283	.00677	.00701
6	Cd	.01053	.00299	.05394	.05340	.01261	.00825
7	Ca	77.910	15.603	115.98	117.10	87.711	84.587
8	Cr	.30468	.06478	.49911	.47997	.29183	.33131
9	Co	.14099	.02980	.58575	.58798	.14884	.15091
10	Cu	.50524	.10247	.74502	.74154	.48663	.50843
11	Fe	H449.48	77.508	H420.70	H436.26	H484.03	H484.88
12	Pb	1.0106	.21538	1.4638	1.4227	.94168	.82211
13	Mg	78.136	16.045	115.45	113.89	81.104	81.781
14	Mn	7.6851	1.6213	7.0835	7.3503	8.4918	8.9866
15	Ni	.32404	.06925	.76105	.75304	.32898	.35762
16	K_	16.531	3.3579	51.670	50.914	17.243	17.124
17	Se	.01781	.00019	1.8140	1.8366	.01606	.01681
18	Ag	.00136	.00051	.04694	.04740	.00147	.00068
19	Na	2.9239	.58356	41.094	41.238	3.0294	2.9612
20	Tl	.02555	.00588	1.8215	1.8363	.01661	.01748
21	V_	.70597	.14766	1.1241	1.1845	.76272	.77728
22	Zn	5.0418	1.0710	5.4802	5.2537	5.0573	4.3485
23	Li	.21532	.04300	.74495	.74629	.21850	.21818
24	Ti	H14.988	3.3160	H13.739	H16.316	H16.869	H16.950
25	B	.02570	.00546	.92502	.92503	.03085	.02553
26	Si	10.052	2.1658	16.931	17.348	10.570	11.385
27	Sn	.05499	.01333	.50664	.51111	.05288	.05136
28	Mo	.01242	.00349	.90684	.91611	.00829	.01125
29	Sr	.49009	.10166	.99583	1.0258	.52674	.51396
30	U	.1044	.0262	.0516	.0695	.1163	.0996

—081 → —081

#	Element	060'81-4	060'81-5	CCV	CCB	060'1 3X	060' 15X
						1	1L
1	Al	163.65	148.19	50.121	.03467	50.196	9.4549
2	Sb	.01175	.00581	.50830	-.00341	.00070	-.00249
3	As	.15385	.13965	.47609	.00007	.05051	.00829
4	Ba	1.7817	1.7523	.49289	.00002	.60448	.12185
5	Be	.00743	.00673	.49049	.00009	.00232	.00049

#	Element	060'81-4	060'81-5	CCV	CCB	060'1 3X	060' 15X
						1	12
6	Cd	.00600	.00825	.47860	-.00044	.00433	.00057
7	Ca	81.477	80.120	50.518	.01787	26.356	5.1374
8	Cr	.36862	.34541	.49404	-.00038	.10691	.02124
9	Co	.16156	.14328	.48788	-.00071	.04917	.00942
10	Cu	.56935	.63713	.49966	.00075	.17243	.03428
11	Fe	H534.12	H471.19	20.650	.03759	135.10	24.811
12	Pb	.84071	.82713	.48790	.00037	.36098	.07347
13	Mg	85.983	78.694	50.957	-.00475	26.869	5.4085
14	Mn	9.0687	8.5018	.50211	.00070	2.6884	.54976
15	Ni	.38055	.35639	.48602	-.00076	.11421	.02264
16	K_	17.593	16.133	19.690	.08628	5.6794	1.1479
17	Se	.02001	.01533	.49515	.00058	-.00355	.00045
18	Ag	.00052	.00069	.49376	-.00096	-.00008	-.00094
19	Na	3.1076	2.8355	20.312	.14023	.95018	.26345
20	Tl	.02051	.01866	.49033	.00356	.00648	.00359
21	V_	.84470	.76614	.48304	-.00032	.24750	.04950
22	Zn	4.4406	4.3346	.50568	.00307	1.7680	.35595
23	Li	.22921	.20794	.50412	.00278	.07214	.01551
24	Ti	H17.844	H16.403	.51369	.00205	5.4331	1.1297
25	B	.02428	.02391	1.0121	-.00145	.00759	-.00007
26	Si	10.796	9.3165	2.3673	.00842	3.6732	.76139
27	Sn	.05201	.08918	.49903	.00179	.01789	.00288
28	Mo	.01287	.01394	.48980	.00186	.00259	.00096
29	Sr	.50463	.48865	.50604	.00009	.17083	.03445
30	U	.1121	.1017	9.963	-.0269	.0217	-.0265

#	Element	060'S 3X	060'D 3X	060'2 3X	060'3 3X	060'4 3X	060'5 3X
		1MS	1MSD	2	3	4	5
1	Al	57.078	54.709	51.281	50.672	53.882	48.395
2	Sb	.06909	.07976	-.00067	-.00094	.00247	.00240
3	As	.67674	.66843	.05231	.04634	.05145	.04698
4	Ba	1.2522	1.2402	.68249	.64187	.60496	.59343
5	Be	.01823	.01816	.00239	.00244	.00259	.00235
6	Cd	.01992	.01998	.00533	.00354	.00342	.00372
7	Ca	40.026	39.828	29.707	28.423	27.356	26.916
8	Cr	.17734	.17031	.10196	.11496	.12842	.11996
9	Co	.20762	.20795	.05142	.05176	.05645	.04883
10	Cu	.25503	.25029	.16465	.17094	.19106	.21231
11	Fe	130.03	132.58	143.43	142.47	154.09	138.76
12	Pb	.52750	.51054	.33372	.29026	.29729	.29314
13	Mg	40.287	39.259	27.900	27.879	29.265	26.812
14	Mn	2.5125	2.5786	2.9684	3.1292	3.1539	2.9548
15	Ni	.27546	.26941	.11618	.12486	.13405	.12548
16	K_	18.261	17.706	5.9095	5.8299	5.9845	5.4566
17	Se	.63742	.64102	.00181	.00066	-.00120	.00073
18	Ag	.01462	.01699	-.00039	-.00052	.00036	-.00035
19	Na	14.077	13.894	.99377	.96201	1.0043	.91016
20	Tl	.64910	.64903	.00939	.01380	.00691	.00808
21	V_	.39649	.41373	.26616	.26873	.29151	.26474
22	Zn	1.9772	1.8694	1.7794	1.5164	1.5490	1.5195
23	Li	.24809	.24777	.07277	.07179	.07565	.06856
24	Ti	5.0453	5.9621	6.1668	6.1703	6.4933	5.9732
25	B	.32848	.32779	.00876	.00798	.00824	.00840

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#	Element	060'S 3X	060'D 3X	060'2 3X	060'3 3X	060'4 3X	060'5 3X
		1MS	1MSD	2	3	4	5
26	Si	7.1304	6.2343	3.7570	4.0134	3.9065	3.3151
27	Sn	.18061	.18064	.01824	.01836	.01691	.03130
28	Mo	.31972	.31858	.00349	.00376	.00467	.00538
29	Sr	.35096	.35672	.18271	.17702	.17290	.16720
30	U	-.0150	.0535	.0209	.0120	.0470	.0223

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#	Element	060'1-1A	EX0'-1MB	CCV	CCB	EX0'1LCS	EX0'LCSD
		1A					
1	Al	150.59	.05431	49.721	.05601	1.7220	1.7014
2	Sb	.99979	-.00228	.50971	.00222	.50462	.50676
3	As	1.0807	.00205	.47465	.00377	1.9173	1.9097
4	Ba	2.7049	.01399	.49368	.00054	1.9750	1.9546
5	Be	.97030	.00010	.48917	.00036	.04747	.04761
6	Cd	.92286	-.00033	.47719	.00012	.04808	.04821
7	Ca	77.076	.04310	50.096	.03772	L.03275	L.04598
8	Cr	1.2555	.00354	.49137	.00112	.19282	.19272
9	Co	1.0920	.00023	.48518	.00162	.49595	.49587
10	Cu	1.5246	.00027	.49930	.00092	.24714	.24467
11	Fe	H438.71	.06497	20.054	.04282	.86699	.86931
12	Pb	1.9162	.00066	.48090	.00154	.49050	.48871
13	Mg	77.463	-.00727	50.487	.02859	L-.02015	L-.01502
14	Mn	8.4641	.00149	.48942	.00108	.48325	.48164
15	Ni	1.2604	.00242	.48507	.00136	.49343	.49353
16	K_	25.202	.13512	19.669	.17638	L.07989	L.12873
17	Se	.97432	-.00067	.49334	-.00144	1.9716	1.9631
18	Ag	1.0132	-.00030	.49244	.00147	.04724	.04776
19	Na	4.0017	H149.69	20.271	.15360	H153.03	H149.87
20	Tl	.95994	.00244	.48586	-.00074	1.9757	1.9743
21	V_	1.6396	.00010	.48118	.00112	.48092	.47869
22	Zn	5.8553	H.02838	.49396	.00411	.53500	.54215
23	Li	.21223	.00299	.49894	.00264	.53138	.53488
24	Ti	H15.360	.00222	.49049	.00169	.47884	.47575
25	B	.98927	.02957	1.0119	.00198	1.0255	1.0175
26	Si	10.740	H.07545	2.3373	.01571	1.9738	1.9791
27	Sn	.05038	.00196	.49489	.00141	.49547	.49524
28	Mo	.96595	.00105	.48857	.00287	.96744	.96961
29	Sr	.48297	.00081	.50914	.00031	.49609	.49153
30	U	.0639	-.0107	10.02	.0376	-.0376	-.0106

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#	Element	060'06-7	060'6-7D	060'L 5X	060'-7MS	060'7MSD	060'06-8
1	Al	.02900	.02664	.02671	1.6291	1.6492	.03057
2	Sb	-.00514	-.00457	.00430	.49868	.50323	-.00283
3	As	.00232	-.00206	.00345	1.8789	1.8897	.00284
4	Ba	.02798	.02680	.00566	1.9181	1.9453	.03133
5	Be	.00015	.00013	.00008	.04750	.04773	.00015
6	Cd	-.00037	-.00025	-.00023	.04746	.04731	-.00031
7	Ca	61.809	61.935	12.054	62.013	61.954	59.040
8	Cr	-.00024	-.00017	.00099	.18820	.18873	.00019
9	Co	.00084	.00067	.00111	.48257	.48451	.00117
10	Cu	.00000	.00059	-.00012	.23975	.24248	.00072
11	Fe	.03126	.09068	.03071	.92186	.91871	.07653

#	Element	060'06-7 (106)	060'6-7D	060'L 5X	060'-7MS	060'7MSD	060'06-8
12	Pb	.00025	.00000	-.00044	.47772	.47751	.00001
13	Mg	1.6501	1.6531	.33976	1.6638	1.6542	1.6084
14	Mn	.23235	.23242	.04782	.70359	.70776	.21308
15	Ni	.00156	.00135	.00032	.48048	.48187	.00144
16	K_	4.6690	4.6709	.90602	4.6323	4.6131	4.3376
17	Se	.00038	-.00009	-.00305	1.9479	1.9525	.00115
18	Ag	-.00121	-.00134	.00104	.04782	.04715	-.00092
19	Na	H150.92	H149.89	25.833	H147.50	H147.16	H145.22
20	Tl	.00437	.00428	.00008	1.9349	1.9366	.00709
21	V_	-.00008	-.00059	.00087	.47116	.47448	.00001
22	Zn	.01094	.00978	.00166	.51063	.50959	.02851
23	Li	.00612	.00573	.00326	.54277	.54398	.00618
24	Ti	.00080	.00043	.00048	.46731	.47200	.00116
25	B	.00540	.00313	.00182	.97462	.98485	.03137
26	Si	.45075	.44805	.09823	2.3561	2.3638	.44814
27	Sn	.00144	.00208	.00253	.48786	.48749	.00348
28	Mo	.00554	.00194	.00125	.94758	.95998	.00608
29	Sr	.07401	.07383	.01494	.55304	.55981	.06752
30	U	-.0318	-.0346	.0300	.0156	-.0132	-.0196

#	Element	060'06-9 (106)	060'11-1 (111)	CCV	CCB	060'~~L 5X~~ 2	060'~~-1MS~~ 3
1	Al	.03493	.02030	49.894	.05491	.02912	.02024
2	Sb	.00383	-.00840	.50553	-.00245	-.00384	-.00672
3	As	.00241	.00437	.47552	.00088	.00341	.00766
4	Ba	.02968	.06544	.48997	.00033	.07367	.08995
5	Be	.00014	.00012	.49145	.00037	.00019	.00018
6	Cd	.00013	-.00056	.48264	-.00007	-.00037	-.00070
7	Ca	49.786	34.503	50.795	.04096	46.758	36.845
8	Cr	.00123	.00466	.49543	.00014	.00464	.00577
9	Co	.00272	.00028	.48780	-.00021	.00078	.00003
10	Cu	.00164	-.00084	.49496	-.00028	.00000	.00025
11	Fe	.28810	.12224	20.334	.02659	.27686	.04225
12	Pb	.00025	-.00026	.48022	.00038	-.00089	-.00157
13	Mg	1.5388	7.1244	51.077	.02531	6.9617	5.0094
14	Mn	.25308	.01151	.49190	.00091	.00797	.00377
15	Ni	.00295	.00047	.48752	.00012	.00124	.00022
16	K_	4.6416	17.656	19.670	.17059	12.372	10.843
17	Se	-.00076	.00081	.48905	-.00126	.00128	-.00157
18	Ag	.00120	-.00031	.49121	-.00022	.00083	-.00005
19	Na	H146.37	C.00000	20.214	.16783	H189.97	H128.41
20	Tl	.00171	.00487	.48961	.00003	.00744	.00572
21	V_	.00112	.00567	.48160	.00042	.00720	.00831
22	Zn	.01950	-.00183	.50160	.00359	-.00151	-.00045
23	Li	.00531	.27196	.49723	.00312	.20479	.16283
24	Ti	.00102	-.00029	.49292	.00073	.00089	.00071
25	B	.03040	.89561	1.0140	.00130	.42082	.35273
26	Si	.43844	15.234	2.3518	.01307	12.552	17.589
27	Sn	.00296	.00537	.49847	-.00033	.00474	.00526
28	Mo	.00314	.04014	.49257	.00213	.02739	.03196
29	Sr	.06557	.82833	.50602	.00030	1.6251	.89963
30	U	.0390	-.0048	9.905	-.0073	.0220	-.0092

SW 8/23/06

(SW 8/23/06)

#	Element	060'1MSD	060'11-2	060'11-3	060'11-4	060'1 2X	060' 10X
		3L (5X)	3MS	3MSD	4	1	2 1L
1	Al	.01555	1.6768	1.7065	.01339	.01532	.02205
2	Sb	-.00519	.50796	.52138	-.01116	-.00276	.00378
3	As	-.00019	2.0704	2.0985	.00664	.00264	.00057
4	Ba	.01798	2.0336	2.0475	.02814	.00688	.00158
5	Be	.00015	.04984	.05081	.00018	.00070	.00037
6	Cd	-.00046	.04926	.05058	-.00085	-.00147	-.00044
7	Ca	7.1519	76.313	77.325	13.154	299.13	58.022
8	Cr	.00056	.20186	.20644	.00131	-.00094	.00042
9	Co	.00008	.50337	.51388	-.00097	.04554	.01060
10	Cu	.00000	.24242	.24495	-.00142	-.00332	.00025
11	Fe	.01459	.88477	.91000	.24773	67.688	13.252
12	Pb	-.00038	.50655	.51430	.00023	.00045	-.00021
13	Mg	1.0111	45.053	46.067	.75796	126.46	25.318
14	Mn	.00068	.49479	.50327	.01124	4.5272	.94838
15	Ni	.00008	.49929	.50900	-.00044	.06900	.01535
16	K_	2.1683	52.447	52.940	16.829	9.5260	2.0186
17	Se	-.00489	2.2809	2.3096	.00400	.00212	.00154
18	Ag	-.00028	-.00033	.00086	-.00191	-.00143	.00083
19	Na	23.339	C.00000	C.00000	C.00000	90.071	17.002
20	Tl	.01149	2.0479	2.0861	.00883	.00489	.00215
21	V_	.00095	.49336	.50334	.00500	.00078	.00104
22	Zn	-.00105	.52986	.54484	-.00222	-.00368	.00037
23	Li	.03303	.69691	.71066	.28305	.05437	.01388
24	Ti	.00021	.48290	.49065	-.00037	.00200	.00146
25	B	.07172	1.4062	1.4192	.59479	.04926	.01147
26	Si	3.6632	18.685	18.596	16.010	3.2344	.66831
27	Sn	.00296	.50471	.51880	.00509	.00928	.00462
28	Mo	.00644	.85465	.88417	.06007	.00859	.00646
29	Sr	.18388	1.3377	1.3314	.32980	5.5035	1.1495
30	U	-.0196	.0047	.0307	-.0606	-.0346	.0281

#	Element	060'S 2X	060'D 2X	CCV	CCB	060'2 2X	060'3 2X
		1MS	1MSD			2	3
1	Al	.02148	.01666	49.138	.03514	.01951	.01627
2	Sb	.49225	.49172	.49795	-.00012	-.00476	-.00647
3	As	.47350	.47588	.47603	-.00070	.00066	.00187
4	Ba	.00667	.00632	.45572	.00012	.01077	.01034
5	Be	.46210	.46741	.49393	.00016	.00028	.00037
6	Cd	.46685	.47468	.49636	-.00016	-.00031	-.00046
7	Ca	295.90	301.84	52.583	.02951	290.04	294.79
8	Cr	.46894	.47304	.50066	.00004	.00000	-.00049
9	Co	.52012	.52533	.49340	.00024	.00034	.00023
10	Cu	.45628	.45444	.47016	.00068	.00108	.00002
11	Fe	66.636	67.530	20.561	.02907	.02427	.01170
12	Pb	.47175	.48007	.49662	.00008	-.00073	-.00085
13	Mg	125.16	127.96	53.292	.00709	88.103	88.967
14	Mn	4.8879	4.9391	.49251	.00074	.08310	.09484
15	Ni	.54396	.55121	.49607	.00017	.00985	.00924
16	K_	9.2230	9.2924	19.459	.05373	12.743	12.609
17	Se	.49430	.49776	.48124	-.00119	.00360	.00213
18	Ag	-.00021	-.00240	.47884	-.00022	.00020	-.00067
19	Na	87.212	87.643	20.060	.15835	H127.35	H126.81

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#	Element	060'S 2X	060'D 2X	CCV	CCB	060'2 2X	060'3 2X
		1MS	1MSD			2	3
20	Tl	.46859	.46997	.48336	.00183	.00354	.00537
21	V_	.45484	.45582	.47589	.00019	.00061	-.00041
22	Zn	.49206	.50527	.53465	.00330	.00150	.00137
23	Li	.05325	.05325	.48687	.00246	.01657	.01680
24	Ti	.45327	.45481	.47817	.00081	.00226	.00173
25	B	.04770	.04611	.98789	.00062	.05900	.05672
26	Si	3.1095	3.1254	2.2791	.01139	5.7515	5.6479
27	Sn	.00257	.00358	.51307	.00158	.00643	.00509
28	Mo	.45924	.46354	.49338	.00402	.00160	.00078
29	Sr	5.2538	5.2244	.47618	.00044	1.1940	1.1730
30	U	.0014	-.0487	9.174	-.0013	-.0006	-.0245

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#	Element	060'4 3X	060'~~5~~ 3X	060'~~6~~ 3X	060'~~7~~ 3X	060'04-8	060'9 3X
		4	7	5	6	8	9
1	Al	83.050	.07469	27.139	233.56	.03362	172.28
2	Sb	.01281	-.00341	.01010	.02180	-.01222	.00608
3	As	.00788	.00028	.00763	.00886	.00371	.01573
4	Ba	.00563	.00287	.00485	.00220	.00953	.00071
5	Be	.10878	.00029	.01833	.04237	.00057	.07830
6	Cd	-.00964	-.00033	-.00698	L-.01174	-.00072	-.00466
7	Ca	135.79	1.8419	132.33	122.94	328.90	133.67
8	Cr	.07660	-.00001	.01124	.11999	-.00059	.12335
9	Co	.44880	.00075	.10148	.51906	.00711	.40653
10	Cu	-.01324	-.00080	-.01253	.06296	.00027	.00154
11	Fe	H474.07	.27466	H345.23	H921.28	18.534	H256.14
12	Pb	.00046	-.00107	.00045	-.00513	-.00086	-.00021
13	Mg	286.46	2.2665	118.42	287.74	100.79	343.82
14	Mn	H15.927	.01882	8.6540	H24.581	.95224	H25.328
15	Ni	1.1695	.00068	.31319	.99394	.00095	.76333
16	K_	8.5506	1.6206	9.0996	1.4889	12.950	4.7405
17	Se	.01580	.00094	.01251	.06098	.00316	.00626
18	Ag	-.00612	.00002	-.00051	-.00540	-.00058	-.00525
19	Na	H104.76	36.504	H131.34	H107.17	64.638	H107.24
20	Tl	.00298	.00294	.00161	-.00129	.00877	-.00252
21	V_	.01308	.00027	.03495	1.7383	.00042	.23355
22	Zn	.24323	-.00155	.01516	2.3278	-.00183	1.3137
23	Li	.52755	.00965	.15954	.54016	.05194	.15540
24	Ti	.00104	-.00034	.00118	.00367	.00321	.00159
25	B	.01855	.01438	.05590	.00367	.06939	.03537
26	Si	6.4105	.27045	2.2299	16.295	10.229	3.3373
27	Sn	.00678	.00127	.00823	.01111	.01387	.00678
28	Mo	-.00298	.00079	-.00205	-.00586	.00186	-.00351
29	Sr	3.5276	.12498	2.1118	.49728	4.9555	3.3475
30	U	-.0035	-.0042	.0760	1.217	-.0146	.0189

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#	Element	060'04-~~8~~	060'1 5X	CCV	CCB	060'2 5X	060'3 5X
		7	1			2	3
1	Al	.02560	.01578	48.788	.05609	.02576	.02578
2	Sb	.00029	-.00414	.49678	-.00062	-.00156	-.00091
3	As	.00334	.00047	.45697	.00078	.00041	.00325
4	Ba	.00842	.01120	.48190	.00036	.01470	.01810
5	Be	.00056	.00049	.47198	.00037	.00006	.00006

#	Element	060'04-5	060'1 5X	CCV	CCB	060'2 5X	060'3 5X
		7	1			2	3
6	Cd	.00012	-.00032	.46231	-.00008	-.00042	-.00027
7	Ca	5.5605	6.7912	48.395	.04145	8.4712	6.6539
8	Cr	.00117	.00086	.47725	.00035	.00065	.00138
9	Co	.00189	.00017	.47131	.00032	-.00016	-.00005
10	Cu	.00098	-.00124	.48693	.00101	-.00010	-.00008
11	Fe	.04474	.03048	19.460	.03965	.07528	.02062
12	Pb	-.00180	-.00011	.46681	.00003	-.00075	-.00056
13	Mg	6.4655	1.5285	49.013	.02640	1.3235	.94464
14	Mn	.01497	.00274	.47230	.00084	.00168	.00088
15	Ni	.00208	-.00020	.47049	.00053	-.00008	-.00014
16	K_	5.0277	3.5583	19.231	.07857	2.0120	1.7797
17	Se	.00725	-.00214	.47799	-.00061	-.00129	-.00235
18	Ag	.00220	.00018	.48050	-.00007	.00008	.00030
19	Na	H125.91	35.485	19.706	.16181	25.969	21.691
20	Tl	.00751	.00213	.47230	.00258	.00342	.00237
21	V_	.00180	.00137	.46823	.00043	.00163	.00214
22	Zn	-.00066	-.00140	.47533	.00359	-.00123	-.00041
23	Li	.02255	.05335	.48825	.00281	.03953	.03191
24	Ti	.00120	-.00051	.47795	.00125	.00052	.00049
25	B	.04612	.15916	.98825	.00176	.07975	.06664
26	Si	.77027	2.7464	2.2646	.02163	2.3851	3.3498
27	Sn	.00746	.00247	.48184	.00244	.00207	.00198
28	Mo	.00359	.01031	.47724	.00321	.00833	.00915
29	Sr	.33967	.14648	.49341	.00044	.32531	.18090
30	U	.0550	-.0022	9.770	.0015	.0001	.0109

#	Element	060' 25X	060'S 5X	060'D 5X	060'4 5X	CRI	ICSA
		3L	3MS	3MSD	4		
1	Al	.02274	.33734	.34998	.02088	.37853	511.08
2	Sb	-.00122	.09733	.10737	-.00039	.12570	.01146
3	As	.00120	.38426	.39650	.00019	.00973	-.00032
4	Ba	.00354	.41732	.42297	.00623	.40634	.00209
5	Be	.00003	.00958	.00976	.00008	.00981	.00089
6	Cd	-.00043	.00936	.00989	-.00039	.00982	-.00148
7	Ca	1.2472	14.078	14.248	2.3883	9.2887	514.10
8	Cr	.00017	.03961	.04150	.00032	.02012	.00049
9	Co	.00025	.09939	.10149	-.00017	.10029	.00270
10	Cu	-.00045	.04885	.05015	-.00028	.04933	-.00499
11	Fe	.00898	.17126	.17881	.06736	.16901	204.03
12	Pb	-.00006	.09817	.10012	.00053	.00589	.00356
13	Mg	.17695	8.5750	8.7709	.15264	9.4725	521.60
14	Mn	.00024	.09807	.10016	.00234	.03034	.00764
15	Ni	-.00083	.09922	.10221	-.00129	.08165	.00399
16	K_	.39634	9.4614	9.6445	2.7726	8.6220	.16151
17	Se	-.00437	.39432	.40668	.00289	.00763	.00046
18	Ag	-.00002	-.00079	.00110	-.00016	.02041	-.00076
19	Na	4.0124	28.314	28.444	33.079	8.5017	.29247
20	Tl	.00197	.39826	.40892	.00361	.02147	.00507
21	V_	.00069	.09840	.10141	.00121	.09914	.00433
22	Zn	-.00077	.09899	.12267	-.00137	.04047	.01476
23	Li	.00765	.13271	.13718	.05486	.02579	.00401
24	Ti	-.00005	.09770	.09973	.00026	.01999	.00302
25	B	.01386	.26905	.27459	.11068	.21137	.00143

#	Element	060' 25X	060'S 5X	060'D 5X	060'4 5X	CRI	ICSA
		3L	3MS	3MSD	4		
26	Si	.67492	3.6665	3.6595	2.9799	.13037	.00903
27	Sn	.00041	.10127	.10545	.00176	.10206	.00279
28	Mo	.00178	.20189	.20883	.01543	.02144	.00024
29	Sr	.03571	.27442	.27452	.06522	.02203	.00610
30	U	.0042	-.0216	.0316	-.0154	.2057	-.0107

#	Element	ICSAB	CCV	CCB	060'-1-1	060'-1-2	060'-1-3
1	Al	506.36	49.926	.07704	145.73	145.45	144.76
2	Sb	.57959	.50170	-.00101	.00654	.01300	.00730
3	As	.08829	.46197	.00076	.13567	.13911	.13889
4	Ba	.47157	.48507	.00043	1.6463	1.6646	1.5749
5	Be	.46059	.47614	.00037	.00614	.00640	.00633
6	Cd	.87097	.46932	.00009	.00869	.00972	.00793
7	Ca	514.19	50.162	.05759	70.357	73.119	73.849
8	Cr	.44633	.48102	.00077	.29843	.29866	.29793
9	Co	.44748	.47376	.00061	.14226	.13054	.13222
10	Cu	.49451	.48610	.00072	.47668	.48002	.46745
11	Fe	202.66	20.138	.04202	H425.56	H423.02	H437.77
12	Pb	.04425	.47086	.00046	1.0320	1.0037	1.0068
13	Mg	519.89	50.582	.05105	75.981	77.593	75.040
14	Mn	.45310	.47764	.00081	6.9030	7.0300	6.9853
15	Ni	.87224	.47509	.00110	.30514	.31842	.30672
16	K_	-.06368	19.310	.13856	16.160	15.938	15.924
17	Se	.04455	.48124	-.00259	.01098	.01102	.01319
18	Ag	.19416	.48081	.00073	.00034	.00067	.00095
19	Na	.17204	19.757	.15780	2.8457	2.6883	3.0749
20	Tl	.09462	.47589	.00153	.01831	.01532	.01613
21	V_	.45804	.47093	.00103	.66557	.66082	.68046
22	Zn	.91050	.48261	.00401	4.9309	5.0274	4.9853
23	Li	1.1208	.49218	.00260	.20704	.21039	.20527
24	Ti	.92430	.48267	.00113	H13.565	H13.937	H14.028
25	B	1.0076	.99217	.00203	.01885	.02128	.02132
26	Si	1.0139	2.2669	.02820	14.006	13.878	12.727
27	Sn	.96042	.48597	.00198	.05210	.05210	.04957
28	Mo	.94805	.48651	.00331	.00629	.00648	.00549
29	Sr	.97904	.49911	.00040	.46276	.46887	.47259
30	U	9.308	9.796	.0235	.0626	.0751	.0808

#	Element	060'-1-4	060'-1-5	060'-1-6	060'-1-7	060'-1-8	060'-1-9
1	Al	147.59	149.86	147.60	152.48	153.72	150.26
2	Sb	.00523	.00855	.00285	.01058	.00644	.01160
3	As	.14868	.14490	.14455	.14702	.15244	.14059
4	Ba	1.6737	1.5982	1.6607	1.6542	1.8110	1.6405
5	Be	.00648	.00631	.00640	.00649	.00680	.00639
6	Cd	.00914	.00904	.00978	.01076	.01247	.00979
7	Ca	75.122	74.180	74.065	78.048	84.364	75.930
8	Cr	.30709	.31704	.30003	.31046	.30577	.30698
9	Co	.13623	.12626	.13770	.13513	.14397	.13256
10	Cu	.48445	.49384	.48583	.51067	.50804	.49529
11	Fe	H446.45	H419.80	H445.84	H430.34	H467.94	H429.45

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#	Element	060'-1-4	060'-1-5	060'-1-6	060'-1-7	060'-1-8	060'-1-9
12	Pb	1.0757	1.0367	1.0005	1.0361	.97471	1.0111
13	Mg	76.173	76.732	78.269	80.183	78.398	78.855
14	Mn	7.5370	6.7292	7.4317	7.2549	8.0625	6.9652
15	Ni	.31607	.31122	.31249	.33132	.32595	.31502
16	K_	16.518	16.437	16.474	17.022	17.050	16.730
17	Se	.01174	.01184	.01336	.01030	.01276	.01097
18	Ag	.00011	-.00006	-.00010	.00160	-.00003	.00145
19	Na	2.7825	3.0750	2.7356	2.9516	2.8819	2.7957
20	Tl	.01581	.01713	.01704	.01529	.01648	.01580
21	V_	.69995	.64619	.69697	.66782	.74088	.66639
22	Zn	5.0668	4.9073	4.9691	5.1297	4.9919	5.0118
23	Li	.21273	.21019	.20920	.21660	.21583	.21450
24	Ti	H14.037	H12.703	H15.409	H13.257	H15.110	H13.070
25	B	.02210	.02100	.01894	.02414	.02238	.02326
26	Si	10.881	12.109	11.606	13.018	12.812	10.541
27	Sn	.05227	.08361	.05992	.05144	.04916	.04989
28	Mo	.01537	.00656	.00584	.00667	.00648	.00676
29	Sr	.46322	.46958	.44734	.49510	.50129	.49752
30	U	.0644	.0605	.0708	.1199	.0765	.1075

08-1

#	Element	060'1-10	CCV	CCB	060'1-11	060'1-12	060'1-13
1	Al	149.05	48.781	.16316	138.74	150.84	152.27
2	Sb	.00783	.49729	.00102	.01158	.00699	.00575
3	As	.14327	.46587	.00204	.14011	.14914	.15287
4	Ba	1.8040	.47865	.00173	1.6459	1.7376	1.7655
5	Be	.00653	.47617	.00137	.00633	.00666	.00677
6	Cd	.01131	.46909	.00107	.01071	.00973	.01090
7	Ca	78.142	49.570	.14622	74.885	79.240	79.199
8	Cr	.29920	.48271	.00178	.28223	.30159	.29953
9	Co	.13950	.47662	.00153	.13914	.13838	.14761
10	Cu	.50396	.48175	.00166	.47892	.49928	.51160
11	Fe	H438.12	20.656	H.11747	H425.81	H459.72	H467.21
12	Pb	.97796	.47504	.00241	.90439	1.0021	1.0098
13	Mg	78.627	50.039	.15243	75.422	77.487	78.532
14	Mn	7.9891	.50040	.00304	7.5244	7.4740	7.9740
15	Ni	.32050	.47491	.00216	.30921	.31988	.32926
16	K_	16.526	19.229	.23405	15.538	16.439	16.795
17	Se	.01624	.47700	.00208	.01347	.01355	.01581
18	Ag	.00071	.47878	.00138	.00159	.00049	.00117
19	Na	2.7719	19.691	.18234	2.5279	2.8529	2.8339
20	Tl	.01828	.47619	.00367	.01946	.01320	.02109
21	V_	.69052	.47069	.00205	.66666	.74681	.73496
22	Zn	4.9634	.50318	.00590	4.6091	4.9912	5.0762
23	Li	.21321	.49102	.00364	.19781	.20782	.21551
24	Ti	H14.602	.51631	.00491	H14.820	H15.825	H16.140
25	B	.02193	.98280	.00414	.02216	.02276	.02302
26	Si	9.0254	2.2939	.03045	9.4338	11.508	12.284
27	Sn	.05270	.48725	.00212	.04945	.04846	.04532
28	Mo	.00639	.47673	.00467	.00820	.00666	.00720
29	Sr	.47517	.49065	.00144	.43913	.46945	.47964
30	U	.0908	9.611	.0445	.1172	.0865	.0877

—08/—1

#	Element	060'1-14	060'1-15	060'1-16	060'1-17	060'1-18	060'1-19
1	Al	153.30	152.25	127.79	148.64	147.61	147.88
2	Sb	.00721	.00729	.00499	.00351	.00586	.00826
3	As	.14879	.15024	.12606	.14698	.15262	.14727
4	Ba	1.7785	1.8213	1.4817	1.7165	1.8121	1.8049
5	Be	.00664	.00672	.00573	.00666	.00675	.00662
6	Cd	.01071	.01105	.01021	.01052	.01223	.01199
7	Ca	79.867	81.513	68.723	80.007	82.194	81.086
8	Cr	.30614	.29890	.26200	.30541	.28722	.30134
9	Co	.14162	.15163	.11858	.14166	.15712	.14909
10	Cu	.51086	.51913	.43651	.49579	.49558	.49596
11	Fe	H458.25	H476.28	H369.26	H452.33	H473.72	H454.96
12	Pb	1.0122	.97989	.87511	.99222	.98035	1.0052
13	Mg	81.324	81.558	69.334	77.523	76.409	77.373
14	Mn	7.8248	8.0651	6.4241	7.7817	9.0544	8.3251
15	Ni	.33009	.32213	.28190	.32158	.32529	.34032
16	K_	16.788	16.251	14.143	16.474	16.092	16.400
17	Se	.01581	.01452	.00957	.01179	.01463	.01198
18	Ag	-.00063	-.00018	.00075	.00047	.00053	.00084
19	Na	2.9351	3.3222	2.4507	2.7292	2.8068	2.8765
20	Tl	.01914	.01864	.01607	.01414	.01550	.01591
21	V_	.70442	.71277	.60675	.73145	.76514	.71861
22	Zn	5.0470	5.0838	4.4277	4.9578	4.9897	5.0707
23	Li	.21535	.21294	.18729	.20948	.20872	.20831
24	Ti	H15.287	H14.631	H13.164	H15.974	H16.628	H15.127
25	B	.02194	.02069	.01974	.02256	.02156	.02252
26	Si	11.155	9.5905	9.4954	9.6061	11.683	13.823
27	Sn	.04994	.05046	.04931	.05108	.04922	.05148
28	Mo	.00584	.00665	.00549	.00693	.00738	.00639
29	Sr	.48979	.48033	.42538	.47327	.46918	.55484
30	U	.0569	.0560	.0870	.0886	.0955	.0872

—08/-1

#	Element	060'1-20	CCV	CCB
1	Al	147.17	48.863	.17556
2	Sb	.00910	.49868	.00292
3	As	.14569	.45810	.00065
4	Ba	1.5732	.47781	.00181
5	Be	.00627	.47652	.00142
6	Cd	.01010	.47012	.00119
7	Ca	73.905	49.595	.15738
8	Cr	.31468	.48290	.00199
9	Co	.12771	.47653	.00164
10	Cu	.50315	.48145	.00188
11	Fe	H414.54	20.628	H.14251
12	Pb	1.0583	.47888	H.00303
13	Mg	76.997	50.097	.16330
14	Mn	6.6775	.49705	.00366
15	Ni	.31543	.47725	.00211
16	K_	16.585	19.268	.27661
17	Se	.01064	.48016	.00123
18	Ag	.00113	.47765	.00153
19	Na	2.8079	19.764	.18370

CB-1

#	Element	060'1-20	CCV	CCB			
20	Tl	.01773	.47640	.00045			
21	V	.63445	.47123	.00205			
22	Zn	5.2352	.50247	.00656			
23	Li	.20840	.49070	.00391			
24	Ti	H11.548	.50583	.00603			
25	B	.02397	.98312	.00393			
26	Si	14.840	2.3146	.03531			
27	Sn	.05712	.48880	.00295			
28	Mo	.00657	.47691	.00484			
29	Sr	.47882	.49091	.00153			
30	U	.0856	9.605	.0392			

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Method: 30EL Standard Name: BLANK Operator:
Run Time: 08/22/06 10:50:47
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.4859757	.2339883	-.445478	.5204740	.0239988	1.027449	.0344983
SDev	.0424243	.0678789	.171818	.1039395	.4157580	.086970	.0360606
%RSD	8.729709	29.00951	38.56947	19.97016	1732.412	8.464635	104.5288
#1	.4559772	.1859907	-.323984	.4469777	.3179841	1.088945	.0599970
#2	.5159742	.2819859	-.566972	.5939703	-.269987	.9659517	.0089996
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.3569821	.2519874	.0644968	-.028499	.0779961	.2399880	.0029999
SDev	.0042424	.0339394	.0954546	.099697	.2078790	.0848486	.1145456
%RSD	1.188412	13.46870	147.9991	349.8318	266.5249	35.35534	3818.377
#1	.3599820	.2759862	.1319934	.0419979	.2249887	.2999850	.0839958
#2	.3539823	.2279886	-.003000	-.098995	-.068997	.1799910	-.077996
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	17.80111	.1109944	.0269986	1.894405	-.221989	.3899805	.0119994
SDev	.41152	.1739396	.0381819	.044546	.182424	.2715154	.0254546
%RSD	2.311739	156.7101	141.4214	2.351424	82.17728	69.62282	212.1320
#1	18.09209	.2339883	.0539973	1.925904	-.092995	.5819709	.0299985
#2	17.51012	-.011999	.0000000	1.862907	-.350982	.1979901	-.006000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Avge	.0539973	-.070496	-.000750	.0000000	-.314984	.4829758	-.047998
SDev	.0254546	.180303	.001061	.0000000	.029697	.0042424	.339394
%RSD	47.14045	255.7620	141.4214	.0000000	9.428086	.8783913	707.1068
#1	.0719964	.0569972	.0000000	.0000000	-.293985	.4799760	.1919904
#2	.0359982	-.197990	-.001500	.0000000	-.335983	.4859757	-.287986
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	B	Si	Sn	Mo	Sr	U
Avge	1.028949	27.52962	-.017999	.0089996	.1049947	.7409630
SDev	.364849	.03394	.148485	.0296970	.0424243	3.966671
%RSD	35.45842	.1232805	824.9578	329.9832	40.40610	535.3399
#1	1.286936	27.50562	.0869956	.0299985	.1349933	3.545823
#2	.7709615	27.55362	-.122994	-.011999	.0749963	-2.06390
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: BLANK Operator:
Run Time: 08/22/06 11:07:53
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.1274936	.2234888	-.491975	.6239688	.1619919	1.018449	.0269986
SDev	.1887881	.0275758	.110303	.0084848	.0000000	.014849	.0000000
%RSD	148.0765	12.33877	22.42046	1.359817	.0000000	1.457952	.0000000
#1	-.006000	.2039898	-.569971	.6299685	.1619919	1.007950	.0269986
#2	.2609869	.2429878	-.413979	.6179691	.1619919	1.028949	.0269986
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.3569821	.1964902	.1034948	.0179991	.1214939	.2399880	.0269986
SDev	.0000000	.0190909	.0318182	.0042424	.0106061	.0339394	.0296970
%RSD	.0000000	9.715973	30.74377	23.57022	8.729709	14.14213	109.9944
#1	.3569821	.1829909	.0809959	.0209989	.1289935	.2159892	.0059997
#2	.3569821	.2099895	.1259937	.0149993	.1139943	.2639868	.0479976
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	17.89410	.1859907	.0404980	1.975401	-.091495	.3944803	.0164992
SDev	.07212	.0381819	.0021212	.006364	.019091	.0742425	.0021212
%RSD	.4030472	20.52890	5.237827	.3221456	20.86545	18.82033	12.85648
#1	17.94510	.1589920	.0389980	1.979901	-.104995	.4469777	.0179991
#2	17.84311	.2129893	.0419979	1.970901	-.077996	.3419829	.0149993
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Avge	.1544923	.0404980	.0000000	.0000000	-.289486	.4829758	.0029999
SDev	.0106061	.0233334	.0000000	.0000000	.006364	.0042424	.0975759
%RSD	6.865110	57.61611	.0000000	.0000000	2.198261	.8783913	3252.692
#1	.1469927	.0239988	.0000000	.0000000	-.293985	.4859757	-.065997
#2	.1619919	.0569972	.0000000	.0000000	-.284986	.4799760	.0719964
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	B	Si	Sn	Mo	Sr	U
Avge	.1229939	.5819709	-.064497	.0104995	.0359982	1.958902
SDev	.0042424	.2121214	.010606	.0021212	.0127273	.076364

%RSD	3.449301	36.44880	16.44434	20.20305	35.35533	3.898294
#1	.1259937	.7319634	-.071996	.0089996	.0269986	1.904905
#2	.1199940	.4319784	-.056997	.0119994	.0449978	2.012899
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: RLSTD Operator:
Run Time: 08/22/06 11:09:23
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	1.349932	.2939853	-.050997	.6494675	.0629968	2.014399	.2609869
SDev	.394546	.3690913	.161212	.0445455	.0763637	.014849	.0042424
%RSD	29.22708	125.5475	316.1183	6.858774	121.2183	.7371182	1.625537
#1	1.628918	.0329984	.0629968	.6179691	.0089996	2.003900	.2579871
#2	1.070947	.5549722	-.164992	.6809660	.1169942	2.024899	.2639868
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.5504725	3.169342	.2639868	.0239988	.1619919	.3389831	.1979901
SDev	.0021212	.002121	.0169697	.0000000	.0721213	.0084849	.0000000
%RSD	.3853433	.0669330	6.428243	.0000000	44.52154	2.503033	.0000000
#1	.5489726	3.170841	.2759862	.0239988	.1109944	.3449827	.1979901
#2	.5519724	3.167841	.2519874	.0239988	.2129893	.3329833	.1979901
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	20.11099	3.028348	.3494825	11.71891	.3389831	.3839808	.0209989
SDev	.12727	.070000	.0106061	.00212	.0042424	.0296970	.0042424
%RSD	.6328514	2.311491	3.034791	.0181033	1.251519	7.733977	20.20305
#1	20.02100	2.978851	.3419829	11.71741	.3359832	.3629819	.0179991
#2	20.20099	3.077846	.3569821	11.72041	.3419829	.4049797	.0239988
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Tl	Li	Ti	B	Si
Avge	.2909855	.1709914	-.169492	.8969551	3.254837	9.233538	2.149393
SDev	.0042424	.0551516	.031818	.0000000	.016970	.135758	.002121
%RSD	1.457956	32.25399	18.77274	.0000000	.5213677	1.470271	.0986946

#1	.2879856	.2099895	-.146993	.8969551	3.242838	9.137543	2.150892
#2	.2939853	.1319934	-.191990	.8969551	3.266837	9.329534	2.147893
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sn	Mo	Sr	U
Avge	.4244788	.1694915	4.742763	3.751313
SDev	.0190909	.0148485	.004243	.625758
%RSD	4.497497	8.760611	.0894557	16.68105
#1	.4379781	.1799910	4.745763	3.308835
#2	.4109795	.1589920	4.739763	4.193790
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/100 Operator:
Run Time: 08/22/06 11:10:51
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	56.15269	79.30403	9.220038	23.45433	76.68516	23.86681
SDev	.24818	.38182	.108182	.07848	.30545	.22061
%RSD	.4419774	.4814594	1.173334	.3346284	.3983214	.9243244
#1	56.32818	79.03405	9.143542	23.39883	76.46918	24.02280
#2	55.97720	79.57402	9.296534	23.50982	76.90115	23.71081
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/10 Operator:
Run Time: 08/22/06 11:12:21
Comment:

Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	523.7528	686.8142	85.73571	88.09509	745.2272	247.6361
SDev	1.2303	1.0967	.05940	.01061	1.1179	.3967
%RSD	.2348957	.1596726	.0692788	.0120395	.1500064	.1601821
#1	524.6227	687.5896	85.69371	88.10259	746.0177	247.9166
#2	522.8829	686.0387	85.77771	88.08759	744.4368	247.3556
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/2 Operator:
Run Time: 08/22/06 11:13:52
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	2331.948	2974.420	384.1308	383.5773	3604.750	1025.629
SDev	9.749	5.905	1.1582	.8930	6.608	.902
%RSD	.4180681	.1985411	.3015058	.2328170	.1833011	.0879049
#1	2338.842	2978.596	384.9497	384.2088	3609.422	1026.267
#2	2325.055	2970.244	383.3118	382.9458	3600.078	1024.992
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXAHIGH Operator:
Run Time: 08/22/06 11:15:14
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	4296.395	5251.791	715.4087	714.1368	7047.735	1701.287
SDev	28.223	37.055	2.4160	4.6985	53.236	5.027
%RSD	.6568952	.7055771	.3377159	.6579243	.7553636	.2954975

#1	4316.352	5225.589	713.7003	717.4591	7010.091	1704.842
#2	4276.439	5277.993	717.1171	710.8144	7085.378	1697.732
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: B 1/100 Operator:
Run Time: 08/22/06 11:16:39
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	13.24734	12.66537	4.058797	5.912705	3.656817	12.54237	17.73061
SDev	.03394	.04667	.029697	.067879	.110303	.02970	.06576
%RSD	.2562025	.3684616	.7316702	1.148020	3.016371	.2367734	.3708680
#1	13.27134	12.63237	4.079796	5.960702	3.734813	12.52137	17.68412
#2	13.22334	12.69837	4.037798	5.864706	3.578821	12.56337	17.77711
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	32.07140	5.590221	13.60282	6.865157	16.83366	12.69237	1.541923
SDev	.12727	.031818	.01485	.019091	.10394	.11879	.237576
%RSD	.3968460	.5691757	.1091575	.2780831	.6174466	.9358961	15.40777
#1	31.98140	5.567721	13.61332	6.851657	16.76016	12.60837	1.709914
#2	32.16139	5.612719	13.59232	6.878656	16.90715	12.77636	1.373931
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	1.717414	4.666266	9.737513	1.819409
SDev	.002121	.048788	.089091	.091212
%RSD	.1235142	1.045543	.9149259	5.013287
#1	1.715914	4.631768	9.800510	1.754912
#2	1.718914	4.700765	9.674516	1.883906
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--

Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: B 1/10 Operator:
Run Time: 08/22/06 11:18:01
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	121.7444	126.5697	43.15884	55.11324	35.06675	122.1359	168.7326
SDev	.3118	1.1242	.34788	.16545	.14212	.5261	.3097
%RSD	.2561261	.8882406	.8060413	.3002056	.4052858	.4307193	.1835476
#1	121.5239	125.7747	42.91285	55.23024	34.96625	121.7639	168.5136
#2	121.9649	127.3646	43.40483	54.99625	35.16724	122.5079	168.9515
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	314.8372	54.80876	132.8469	66.22018	164.0108	126.6597	11.79541
SDev	.3861	.07424	.3076	.28212	.3649	.2333	.22909
%RSD	.1226194	.1354586	.2315290	.4260346	.2224549	.1842184	1.942208
#1	314.5643	54.75626	132.6294	66.02070	163.7528	126.4947	11.63342
#2	315.1102	54.86126	133.0643	66.41968	164.2688	126.8247	11.95740
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	16.82166	44.06329	95.43573	20.42448
SDev	.05303	.02758	.25667	.21849
%RSD	.3152534	.0625816	.2689435	1.069722
#1	16.78416	44.04380	95.25423	20.26998
#2	16.85916	44.08279	95.61722	20.57897
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXBHIGH Operator:
Run Time: 08/22/06 11:19:24
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	1195.934	1242.662	428.0186	540.1739	308.0606	1125.041	1530.603
SDev	9.327	3.099	5.4685	1.7860	3.6867	7.566	.507
%RSD	.7798891	.2493933	1.277629	.3306385	1.196730	.6725401	.0331202
#1	1189.339	1244.854	424.1518	541.4369	305.4537	1119.691	1530.961
#2	1202.529	1240.471	431.8854	538.9111	310.6674	1130.391	1530.245
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	3008.944	538.9620	1308.594	641.2194	1554.879	1234.911	117.4066
SDev	1.385	1.2260	3.449	9.0639	3.250	1.479	1.4530
%RSD	.0460307	.2274823	.2635752	1.413549	.2090027	.1197268	1.237604
#1	3007.965	538.0951	1306.156	634.8102	1552.581	1233.865	116.3792
#2	3009.923	539.8290	1311.033	647.6286	1557.177	1235.956	118.4341
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	163.9478	423.0269	922.2124	203.6148
SDev	.6618	1.4806	1.8857	2.0236
%RSD	.4036724	.3500044	.2044777	.9938580
#1	163.4798	424.0738	920.8790	202.1839
#2	164.4158	421.9799	923.5458	205.0457
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: C 1/100 Operator:
Run Time: 08/22/06 11:20:49
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	5.873706	32.17339	18.80456	18.23009	5.371231	1.666417	45.32173
SDev	.042424	.11455	.14636	.08909	.048788	.014849	.05091
%RSD	.7222756	.3560241	.7783406	.4887032	.9083239	.8910438	.1123258
#1	5.843708	32.09240	18.70106	18.29309	5.405730	1.655917	45.28574
#2	5.903705	32.25439	18.90805	18.16709	5.336733	1.676916	45.35773

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	33.53682
SDev	.35424
%RSD	1.056283
#1	33.28634
#2	33.78731
Factor	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: C 1/10 Operator:
Run Time: 08/22/06 11:22:17
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	68.35757	316.2127	189.2695	177.0317	53.80681	16.65817	438.6201
SDev	.65758	2.4627	1.8115	1.3470	.01485	.15697	4.7897
%RSD	.9619667	.7788190	.9571106	.7608656	.0275922	.9422988	1.091997
#1	67.89260	314.4713	187.9886	176.0792	53.79631	16.54717	435.2332
#2	68.82256	317.9541	190.5505	177.9841	53.81731	16.76916	442.0069
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	321.5479
SDev	2.8127
%RSD	.8747429
#1	319.5590
#2	323.5368
Factor	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--

#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXCHIGH Operator:
Run Time: 08/22/06 11:23:39
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	507.6151	3294.701	1928.697	1800.597	538.6516	165.5317	4026.379
SDev	.5791	27.586	20.919	18.357	.2949	.6406	41.875
%RSD	.1140823	.8372987	1.084638	1.019494	.0547400	.3869951	1.040013
#1	508.0246	3314.207	1943.489	1813.577	538.8601	165.0788	4055.989
#2	507.2056	3275.194	1913.904	1787.617	538.4430	165.9847	3996.769
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	3370.913
SDev	46.472
%RSD	1.378604
#1	3403.774
#2	3338.053
Factor	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL
Mode: Concentration
Standards Table: 6010I
Data File: 6010CAL

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
2203/1	220.351	08/22/06 11:25	Full Fit	1.000000
2203/2	220.352/2	08/22/06 11:25	Full Fit	1.000000
1960/1	196.021	08/22/06 11:25	Full Fit	1.000000
1960/2	196.022/2	08/22/06 11:25	Full Fit	1.000000
Ag	328.068	08/22/06 11:25	Full Fit	.999999
Al	308.215	08/22/06 11:25	Full Fit	.999999
Ba	493.409	08/22/06 11:25	Full Fit	1.000000
Be	313.042	08/22/06 11:25	Full Fit	1.000000
Ca	317.933	08/22/06 11:25	Full Fit	1.000000

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Cd	226.502/2	08/22/06 11:25	Full Fit	1.000000
Co	228.616	08/22/06 11:25	Full Fit	1.000000
Cr	267.716	08/22/06 11:25	Full Fit	1.000000
Cu	324.753	08/22/06 11:25	Full Fit	1.000000
Fe	271.441	08/22/06 11:25	Full Fit	1.000000
K_	766.491	08/22/06 11:25	Full Fit	.999999
Mg	279.078	08/22/06 11:25	Full Fit	1.000000
Mn	257.610	08/22/06 11:25	Full Fit	1.000000
Na	588.991	08/22/06 11:25	Full Fit	.999995
Ni	231.604/2	08/22/06 11:25	Full Fit	1.000000
Sb	206.838/2	08/22/06 11:25	Full Fit	.999993
V_	292.402	08/22/06 11:25	Full Fit	1.000000
Zn	206.200	08/22/06 11:26	Full Fit	1.000000
As	189.042/2	08/22/06 11:26	Full Fit	1.000000
Pb	220.353	01/06/95 08:57	User Fit	1.000000
Se	196.026	01/06/95 08:57	User Fit	1.000000
Tl	190.864/2	08/22/06 11:26	Full Fit	1.000000
Li	670.784	08/22/06 11:26	Full Fit	1.000000
Ti	334.941	08/22/06 11:26	Full Fit	1.000000
B	249.678/2	08/22/06 11:26	Full Fit	1.000000
Si	251.612	08/22/06 11:26	Full Fit	1.000000
Sn	189.989	08/22/06 11:26	Full Fit	1.000000
Mo	202.003/2	08/22/06 11:26	Full Fit	1.000000
Sr	421.525	08/22/06 11:26	Full Fit	1.000000
U	409.014	08/22/06 11:26	Full Fit	.999999

Analysis Report QC Standard 08/22/06 11:28:24 AM page 1

Method: 30EL Sample Name: MIXCHIGH Operator: SW
Run Time: 08/22/06 11:26:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00430	-.00977	.00755	.00295	-.01215	.18656	.00036
SDev	.00050	.00339	.00521	.00272	.00050	.00090	.00010
%RSD	11.582	34.715	69.008	92.147	4.1327	.48110	26.616
#1	-.00465	-.01216	.00387	.00103	-.01251	.18720	.00029
#2	-.00395	-.00737	.01124	.00488	-.01180	.18593	.00043
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00402	.08117	-.00140	.01355	-.00619	.01056	.02488
SDev	.00001	.00012	.00025	.00069	.00041	.00031	.01036
%RSD	.29511	.15109	17.770	5.0652	6.5860	2.9567	41.651
#1	.00403	.08126	-.00158	.01306	-.00648	.01034	.03221
#2	.00402	.08108	-.00122	.01403	-.00590	.01078	.01756
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.17631	.23059	.00600	.67082	.00306	-.01086	.01089
SDev	.02931	.00164	.00010	.01512	.00147	.00017	.00034
%RSD	16.623	.70956	1.6500	2.2535	47.987	1.5780	3.1673
#1	.15559	.23175	.00593	.66013	.00202	-.01098	.01113
#2	.19704	.22944	.00607	.68151	.00409	-.01074	.01064
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01705	-.00937	-.00795	.00449	.00596	9.8806	9.8493
SDev	.00035	.00128	.00243	.00355	.00203	.2909	.0382
%RSD	2.0514	13.674	30.547	79.172	34.139	2.9438	.38735
#1	.01680	-.01028	-.00966	.00197	.00452	9.6749	9.8763
#2	.01729	-.00847	-.00623	.00700	.00740	10.086	9.8224
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value							10.000
Range							5.0000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.8429	48.993	9.9738	9.9691	9.7786	48.83
SDev	.0565	.311	.0035	.0472	.0416	.22
%RSD	.57381	.63430	.03554	.47325	.42543	.4603
#1	9.8828	49.213	9.9763	9.9357	9.8080	48.99
#2	9.8029	48.773	9.9713	10.002	9.7492	48.67
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	50.000	10.000	10.000	10.000	50.00
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.000

Method: 30EL Sample Name: MIXBHIGH Operator: SW
Run Time: 08/22/06 11:28:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	10.038	10.076	10.026	10.176	2.0542	.17624	10.145
SDev	.052	.047	.038	.051	.0233	.00492	.073
%RSD	.51495	.47057	.37595	.50375	1.1348	2.7914	.72203
#1	10.001	10.043	9.9989	10.139	2.0377	.17276	10.093
#2	10.075	10.110	10.052	10.212	2.0706	.17972	10.197
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value					2.0000		10.000
Range					5.0000		5.0000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.077	.32474	10.045	10.078	10.066	10.223	.67147
SDev	.013	.00156	.015	.037	.042	.143	.00397
%RSD	.12809	.47913	.14982	.36827	.41684	1.3968	.59110
#1	10.068	.32364	10.034	10.052	10.036	10.122	.66866
#2	10.086	.32584	10.055	10.104	10.096	10.324	.67427
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	10.000		10.000	10.000	10.000	10.000	
Range	5.0000		5.0000	5.0000	5.0000	5.0000	

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05100	-.02432	10.060	.15350	10.069	2.0237	10.093
SDev	.02836	.00726	.040	.00099	.039	.0218	.051
%RSD	55.610	29.850	.39393	.64469	.38902	1.0775	.50850
#1	.07106	-.01919	10.032	.15420	10.041	2.0082	10.057
#2	.03095	-.02945	10.088	.15280	10.097	2.0391	10.129
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value			10.000		10.000	2.0000	10.000
Range			5.0000		5.0000	5.0000	5.0000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	9.9824	10.117	10.064	10.126	10.036	.01197	.01466
SDev	.0014	.032	.049	.047	.065	.00398	.00648
%RSD	.01371	.31934	.48531	.46161	.65230	33.219	44.232
#1	9.9815	10.094	10.029	10.093	9.9899	.01478	.01924
#2	9.9834	10.140	10.098	10.159	10.082	.00916	.01007
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	10.000	10.000	10.000	10.000	10.000		
Range	5.0000	5.0000	5.0000	5.0000	5.0000		

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06134	.09438	.01405	.09758	.01305	.0380
SDev	.00993	.04456	.00685	.03268	.00595	.0642
%RSD	16.191	47.210	48.718	33.494	45.603	168.8
#1	.06837	.12588	.01889	.12069	.01726	.0834
#2	.05432	.06287	.00921	.07447	.00884	-.0074
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

Method: 30EL Sample Name: MIXAHIGH Operator: SW
Run Time: 08/22/06 11:30:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02617	.00964	.01074	.02114	.04140	492.10	.01926
SDev	.00904	.00552	.02413	.00631	.01570	10.55	.00642
%RSD	34.536	57.213	224.69	29.836	37.918	2.1443	33.328
#1	.03255	.01355	.02780	.02560	.05250	484.64	.02380
#2	.01978	.00574	-.00632	.01668	.03030	499.57	.01472
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value						500.00	
Range						5.0000	

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01187	499.84	.00947	.01389	.01412	.00858	199.32
SDev	.00674	2.46	.00664	.00675	.00720	.00780	.56
%RSD	56.787	.49308	70.103	48.544	50.937	90.928	.28099
#1	.01663	501.58	.01417	.01866	.01921	.01409	198.92
#2	.00710	498.09	.00478	.00913	.00904	.00306	199.71
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		500.00					200.00
Range		5.0000					5.0000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	98.788	499.90	.02104	98.861	.01385	.02745	.01572
SDev	2.005	.67	.00631	1.983	.00637	.00602	.00698
%RSD	2.0291	.13484	30.009	2.0063	46.021	21.929	44.384
#1	97.370	500.38	.02551	97.458	.01835	.03170	.02065
#2	100.21	499.43	.01658	100.26	.00934	.02319	.01078
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	100.00	500.00		100.00			
Range	5.0000	5.0000		5.0000			

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02257	.01656	.01515	.01768	.01087	.00693	.00453
SDev	.00580	.00932	.00669	.01224	.00586	.00023	.00045
%RSD	25.691	56.290	44.167	69.255	53.915	3.2566	9.9770
#1	.02667	.02315	.01988	.02634	.01502	.00708	.00485
#2	.01847	.00997	.01042	.00902	.00673	.00677	.00421
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00854	.01500	.00431	.01616	.00793	.0195
SDev	.00116	.00678	.00236	.00395	.00005	.0341
%RSD	13.637	45.200	54.810	24.446	.64136	175.0
#1	.00936	.01980	.00597	.01896	.00789	.0436
#2	.00771	.01021	.00264	.01337	.00797	-.0046
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

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Method: 30EL Sample Name: ICV Operator: SW
Run Time: 08/22/06 11:36:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.25560	.23980	.25152	.25142	.24064	23.995	.24873
SDev	.00604	.00248	.01636	.00293	.00006	.119	.00203
%RSD	2.3616	1.0361	6.5051	1.1656	.02668	.49614	.81550
#1	.25133	.24156	.23995	.25350	.24059	24.079	.25017
#2	.25987	.23804	.26309	.24935	.24068	23.911	.24730
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.25000	25.250	.25000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.24595	24.741	.24290	.24585	.24765	.24934	9.8920
SDev	.00194	.287	.00301	.00226	.00277	.00155	.1237
%RSD	.78761	1.1608	1.2395	.92102	1.1203	.62019	1.2506
#1	.24458	24.538	.24077	.24425	.24568	.25043	9.8046
#2	.24732	24.944	.24503	.24745	.24961	.24824	9.9795
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	25.250	.25000	.25000	.25000	.25000	10.250
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K	Mg	Mn	Na	Ni	Sb	V
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.5170	25.049	.24821	9.6493	.24632	.26079	.24285
SDev	.0009	.252	.00140	.0805	.00186	.00504	.00213
%RSD	.00908	1.0061	.56580	.83375	.75451	1.9338	.87865
#1	9.5176	24.870	.24721	9.7062	.24501	.25722	.24134
#2	9.5164	25.227	.24920	9.5924	.24764	.26436	.24436
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	25.250	.25000	10.250	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.24759	.23908	.24506	.25146	.24534	.24493	.25051
SDev	.00523	.00048	.00035	.00349	.00789	.00010	.00119
%RSD	2.1124	.20085	.14399	1.3894	3.2158	.03923	.47299
#1	.24389	.23875	.24481	.24899	.23977	.24499	.24967
#2	.25129	.23942	.24531	.25393	.25092	.24486	.25135
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.25000	.25000	.25000	.25000	.25000		.25000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50956	1.1564	.25330	.25424	.25629	5.085
SDev	.00009	.0071	.00548	.00152	.00150	.013
%RSD	.01755	.61190	2.1640	.59803	.58680	.2650
#1	.50950	1.1614	.24942	.25317	.25735	5.095
#2	.50963	1.1514	.25717	.25532	.25522	5.076
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.1250	.25000	.25000	.25000	5.000
Range	10.000	10.000	10.000	10.000	10.000	10.00

Analysis Report Blank Sample 08/22/06 11:40:03 AM page 1

Method: 30EL Sample Name: ICB Operator: SW
Run Time: 08/22/06 11:38:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00491	-.00207	.00648	-.00251	-.00047	.04676	.00018
SDev	.01526	.00565	.01341	.00795	.00296	.00031	.00027
%RSD	310.84	272.69	206.98	316.18	636.06	.65614	153.29
#1	.01570	-.00607	.01597	-.00813	-.00256	.04654	-.00001
#2	-.00588	.00192	-.00300	.00311	.00163	.04698	.00037
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00028	-.00162	-.00028	.00027	.00022	.00069	.02267
SDev	.00007	.00837	.00032	.00191	.00171	.00003	.00201
%RSD	25.112	515.88	112.39	712.26	786.82	3.7561	8.8773
#1	.00033	.00430	-.00050	-.00108	-.00099	.00067	.02410
#2	.00023	-.00754	-.00006	.00162	.00143	.00071	.02125
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K	Mg	Mn	Na	Ni	Sb	V
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04516	.00167	.00032	.12763	-.00006	-.00036	-.00001
SDev	.09490	.00621	.00020	.00042	.00141	.01098	.00197
%RSD	210.16	371.61	61.884	.32919	2471.1	3008.3	20980.
#1	-.02195	-.00272	.00018	.12793	-.00105	-.00813	-.00140
#2	.11226	.00607	.00046	.12733	.00094	.00740	.00138
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00129	-.00072	.00025	.00048	.00264	.00282	.00047
SDev	.00085	.00228	.00131	.00083	.00305	.00044	.00000
%RSD	66.168	317.95	520.05	173.01	115.60	15.773	.67585
#1	.00068	-.00232	.00118	-.00011	.00479	.00313	.00046
#2	.00189	.00089	-.00068	.00107	.00048	.00250	.00047
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00078	.00755	.00064	.00465	.00012	-.0064
SDev	.00196	.00771	.00011	.00112	.00009	.0749
%RSD	258.17	102.17	17.338	23.994	79.425	1165.
#1	-.00063	.01301	.00056	.00544	.00018	-.0594
#2	.00215	.00210	.00072	.00386	.00005	.0465
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: CRI Operator: SW
Run Time: 08/22/06 11:40:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00019	.00975	.00021	.01012	.02022	.40246	.42726
SDev	.00363	.00238	.00336	.00092	.00072	.00162	.00345
%RSD	1901.9	24.370	1574.4	9.1273	3.5504	.40151	.80737
#1	.00276	.00807	.00259	.00947	.01971	.40360	.42482
#2	-.00238	.01144	-.00216	.01077	.02073	.40132	.42970
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01011	9.4580	.00995	.10274	.02013	.05079	.16099
SDev	.00010	.0395	.00025	.00040	.00013	.00009	.00125
%RSD	.95074	.41727	2.4945	.39074	.64505	.16772	.77736
#1	.01005	9.4301	.00977	.10245	.02004	.05073	.16011
#2	.01018	9.4859	.01012	.10302	.02022	.05085	.16188
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.7086	9.6003	.03135	8.6547	.08258	.12712	.10196
SDev	.0266	.0227	.00031	.0470	.00050	.00167	.00162
%RSD	.30552	.23616	.99187	.54315	.60342	1.3157	1.5918
#1	8.7274	9.5842	.03113	8.6879	.08223	.12593	.10082
#2	8.6898	9.6163	.03157	8.6214	.08293	.12830	.10311
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.04068	.00933	.00657	.00682	.01767	.02627	.01997
SDev	.00043	.00042	.00038	.00050	.00168	.00012	.00001
%RSD	1.0632	4.5496	5.7150	7.3711	9.4980	.45116	.07020
#1	.04037	.00903	.00630	.00718	.01886	.02619	.01996
#2	.04099	.00963	.00684	.00647	.01649	.02636	.01998
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	PPM	PPM	PPM	PPM	PPM
Avge	.21628	.11540	.10193	.02198	.02292	.1939
SDev	.00055	.00699	.00012	.00063	.00016	.0259
%RSD	.25542	6.0607	.11590	2.8485	.72116	13.37
#1	.21589	.12034	.10184	.02242	.02280	.1756
#2	.21667	.11045	.10201	.02153	.02304	.2122
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: ICSA Operator: SW
Run Time: 08/22/06 11:41:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02693	-.00742	-.00207	.00808	.00092	511.83	.00201
SDev	.00802	.00164	.00429	.00611	.00079	4.27	.00031
%RSD	29.783	22.134	206.59	75.671	86.108	.83423	15.410
#1	.03260	-.00858	-.00511	.00375	.00148	508.81	.00223
#2	.02126	-.00626	.00096	.01240	.00036	514.85	.00179
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00094	528.20	-.00183	.00380	.00157	-.00400	207.73
SDev	.00002	1.63	.00028	.00093	.00037	.00111	.84
%RSD	2.4883	.30843	15.213	24.486	23.894	27.825	.40615
#1	.00096	529.35	-.00163	.00446	.00183	-.00321	207.14
#2	.00092	527.04	-.00203	.00314	.00130	-.00478	208.33
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.18421	530.51	.00791	.27338	.00538	.01277	.00537
SDev	.05698	1.51	.00004	.00597	.00079	.00216	.00061
%RSD	30.933	.28523	.48485	2.1840	14.685	16.948	11.341
#1	.22450	529.44	.00793	.27761	.00594	.01430	.00580
#2	.14392	531.58	.00788	.26916	.00482	.01124	.00494
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01540	.00358	.00402	.00470	.00309	.00388	.00379
SDev	.00033	.00021	.00158	.00550	.00075	.00010	.00078
%RSD	2.1449	5.7967	39.193	117.21	24.143	2.4625	20.677
#1	.01563	.00343	.00514	.00080	.00257	.00395	.00435
#2	.01516	.00373	.00291	.00859	.00362	.00381	.00324
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000	.00000		.00000
Range	.04000	.02000	.00600	.01000	.02000		.04000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00284	.00510	.00526	.00090	.00623	.0356
SDev	.00044	.01218	.00162	.00039	.00001	.0185
%RSD	15.337	239.02	30.837	43.325	.07702	52.01
#1	.00315	.01371	.00640	.00117	.00623	.0487
#2	.00253	-.00352	.00411	.00062	.00623	.0225
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.00000	.00000	.00000	.00000	.00000	
Range	.20000	.10000	.10000	.02000	.02000	

Method: 30EL Sample Name: ICSAB Operator: SW
Run Time: 08/22/06 11:43:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07310	.03226	.05599	.04702	.19725	512.65	.48664
SDev	.00493	.00524	.00364	.00146	.00301	6.91	.00711
%RSD	6.7473	16.232	6.5027	3.1101	1.5246	1.3472	1.4620
#1	.07659	.02856	.05341	.04805	.19512	507.76	.48160
#2	.06962	.03596	.05856	.04598	.19937	517.53	.49167
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.47564	525.44	.88933	.45673	.45453	.50592	207.55
SDev	.00241	.06	.00396	.00285	.00195	.00869	1.08
%RSD	.50700	.01106	.44525	.62374	.42860	1.7179	.52032
#1	.47394	525.40	.88653	.45472	.45316	.49978	206.78
#2	.47735	525.48	.89213	.45874	.45591	.51207	208.31
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.11411	527.26	.46779	.16487	.88793	.59655	.46977
SDev	.03969	1.71	.00331	.00064	.00457	.01600	.00372
%RSD	34.786	.32378	.70790	.38728	.51510	2.6818	.79201
#1	-.08604	526.05	.46545	.16532	.88469	.58524	.46714
#2	-.14218	528.46	.47013	.16442	.89116	.60786	.47240
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.93371	.09008	.04586	.05000	.09559	1.1495	.95653
SDev	.00046	.00284	.00185	.00024	.00104	.0103	.00975
%RSD	.04964	3.1569	4.0345	.47395	1.0864	.89928	1.0193
#1	.93338	.08807	.04455	.04984	.09632	1.1422	.94964
#2	.93404	.09209	.04717	.05017	.09485	1.1568	.96343
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000		1.0000
Range	20.000	20.000	20.000	20.000	20.000		20.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0246	1.0175	.98512	.97353	1.0115	9.596
SDev	.0137	.0071	.00229	.01214	.0132	.154
%RSD	1.3388	.70107	.23239	1.2472	1.3090	1.603
#1	1.0149	1.0125	.98350	.96494	1.0021	9.487
#2	1.0343	1.0226	.98674	.98211	1.0209	9.704
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	1.0000	1.0000	1.0000	10.00
Range	20.000	20.000	20.000	20.000	20.000	20.00

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/22/06 11:45:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.49741	.47075	.49076	.48988	.49323	50.545	.50031
SDev	.00011	.00426	.00278	.00991	.00314	.236	.00231
%RSD	.02123	.90477	.56636	2.0230	.63667	.46688	.46082
#1	.49749	.46774	.48880	.48287	.49101	50.712	.49868
#2	.49734	.47376	.49273	.49688	.49545	50.378	.50194
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49047	50.832	.47887	.48697	.49315	.50246	20.376
SDev	.00277	.085	.00266	.00395	.00274	.00164	.035
%RSD	.56412	.16818	.55621	.81154	.55646	.32678	.17001
#1	.48851	50.892	.47699	.48418	.49121	.50130	20.401
#2	.49243	50.771	.48076	.48977	.49509	.50362	20.352
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.740	51.110	.49256	20.333	.48673	.51566	.48399
SDev	.050	.099	.00271	.064	.00164	.00559	.00268
%RSD	.25224	.19331	.55069	.31472	.33686	1.0845	.55412
#1	19.704	51.180	.49065	20.287	.48557	.51171	.48209
#2	19.775	51.040	.49448	20.378	.48789	.51961	.48589
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49658	.47541	.47963	.49017	.48745	.50571	.49896
SDev	.00338	.00447	.00281	.00754	.00448	.00564	.00182
%RSD	.68128	.94088	.58498	1.5373	.91978	1.1156	.36466
#1	.49419	.47224	.47764	.48484	.48428	.50172	.49767
#2	.49897	.47857	.48161	.49550	.49062	.50970	.50025
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0143	2.3370	.50042	.49867	.51311	10.11
SDev	.0031	.0067	.00064	.00397	.00182	.09
%RSD	.30774	.28459	.12724	.79668	.35522	.8586

#1	1.0121	2.3323	.49997	.49586	.51182	10.05
#2	1.0165	2.3418	.50087	.50148	.51440	10.17
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Analysis Report Blank Sample 08/22/06 11:50:52 AM page 1

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/22/06 11:49:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00303	-.00068	.00403	-.00134	.00064	.03539	.00010
SDev	.00159	.00073	.00225	.00147	.00131	.00198	.00017
%RSD	52.510	106.67	55.763	109.96	202.81	5.6004	161.49
#1	.00415	-.00119	.00244	-.00238	-.00028	.03399	-.00001
#2	.00190	-.00017	.00562	-.00030	.00157	.03679	.00022
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00008	.02049	-.00011	.00059	.00050	.00094	.02692
SDev	.00000	.00139	.00038	.00068	.00076	.00048	.00524
%RSD	.20842	6.7973	326.77	115.46	152.26	50.741	19.474
#1	.00008	.02147	-.00038	.00011	-.00004	.00060	.02321
#2	.00008	.01950	.00015	.00108	.00103	.00127	.03063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.11677	.00803	.00029	.14083	.00045	.00204	.00062
SDev	.02405	.00382	.00014	.00056	.00062	.00318	.00083
%RSD	20.601	47.633	46.340	.39976	136.57	156.01	134.40
#1	.09976	.00532	.00020	.14043	.00002	-.00021	.00003
#2	.13378	.01073	.00039	.14123	.00089	.00429	.00121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00330	.00275	.00055	.00045	.00011	.00254	.00062
SDev	.00046	.00130	.00005	.00173	.00127	.00025	.00034
%RSD	13.836	47.149	8.1412	386.63	1193.2	9.8288	55.472
#1	.00298	.00367	.00059	-.00078	-.00079	.00271	.00037
#2	.00363	.00183	.00052	.00167	.00101	.00236	.00086
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00068	.00295	.00164	.00313	.00006	.0159
SDev	.00125	.00423	.00064	.00027	.00002	.0364
%RSD	182.81	143.14	39.206	8.5261	31.928	228.5
#1	-.00020	.00594	.00119	.00295	.00004	-.0098
#2	.00156	-.00004	.00210	.00332	.00007	.0417
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: IP090821-2MB Operator: SW
Run Time: 08/22/06 11:55:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00270	.00014	.00143	-.00400	.00002	.06123	.00167
SDev	.00461	.00398	.00480	.00221	.00049	.00260	.00010
%RSD	170.69	2795.1	335.59	55.167	2092.7	4.2446	6.1727
#1	.00596	-.00267	.00483	-.00556	-.00033	.05939	.00160
#2	-.00056	.00295	-.00197	-.00244	.00037	.06307	.00174
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00000	.07312	-.00032	.00003	.00021	.00165	.01323
SDev	.00002	.00195	.00017	.00118	.00055	.00044	.00520
%RSD	1310.5	2.6723	54.136	4104.2	256.15	26.578	39.308
#1	.00002	.07450	-.00045	-.00080	-.00017	.00196	.01690
#2	-.00001	.07174	-.00020	.00086	.00060	.00134	.00955
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K	Mg	Mn	Na	Ni	Sb	V
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.04530	-.00737	.00015	.11587	-.00041	-.00214	.00002
SDev	.04216	.00493	.00006	.00112	.00012	.00166	.00049
%RSD	93.067	66.903	39.915	.96218	29.725	77.765	2795.8
#1	-.01549	-.01086	.00011	.11666	-.00050	-.00332	-.00033
#2	-.07511	-.00388	.00020	.11508	-.00032	-.00096	.00036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00801	.00024	.00099	-.00219	.00075	.00218	.00008
SDev	.00028	.00178	.00112	.00013	.00178	.00035	.00039
%RSD	3.4852	745.60	112.20	5.8500	236.41	16.252	473.48
#1	.00781	-.00102	.00021	-.00210	.00202	.00243	.00036
#2	.00820	.00150	.00178	-.00228	-.00051	.00193	-.00019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00380	.01154	.00644	.00070	.00179	-.0030
SDev	.00005	.00778	.00020	.00038	.00001	.0166
%RSD	1.2369	67.431	3.1860	53.479	.79526	557.3
#1	.00376	.01704	.00658	.00097	.00180	-.0147
#2	.00383	.00604	.00629	.00044	.00178	.0087
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: IP090821-2LCS Operator: SW
Run Time: 08/22/06 11:56:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48408	.47445	1.9000	1.8902	.04750	1.7092	1.9656
SDev	.00704	.00086	.0074	.0073	.00046	.0213	.0150
%RSD	1.4539	.18213	.39013	.38467	.97234	1.2475	.76185
#1	.47910	.47506	1.8948	1.8851	.04717	1.7243	1.9761
#2	.48906	.47384	1.9053	1.8953	.04783	1.6941	1.9550
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04737	37.892	.04678	.48145	.19121	.24260	.87278
SDev	.00051	.461	.00072	.00456	.00266	.00189	.03104
%RSD	1.0861	1.2170	1.5307	.94811	1.3925	.78007	3.5563
#1	.04700	37.566	.04627	.47822	.18933	.24394	.85083
#2	.04773	38.218	.04728	.48468	.19310	.24127	.89473
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	34.271	37.820	.47872	35.391	.47755	.50231	.47735
SDev	.348	.376	.00333	.429	.00505	.00061	.00166
%RSD	1.0160	.99389	.69474	1.2113	1.0568	.12072	.34825
#1	34.517	37.554	.47636	35.694	.47398	.50274	.47617
#2	34.025	38.086	.48107	35.088	.48112	.50188	.47853
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50243	1.8587	.47765	1.8935	1.9301	.50884	.48500
SDev	.01055	.0104	.00177	.0073	.0106	.00036	.00113
%RSD	2.1006	.56062	.37001	.38649	.55040	.07151	.23398
#1	.49497	1.8513	.47640	1.8883	1.9226	.50858	.48420
#2	.50989	1.8661	.47890	1.8987	1.9376	.50910	.48580
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97072	1.6913	.49217	.95901	.49615	.0216
SDev	.00010	.0123	.00799	.00967	.00246	.0158
%RSD	.01030	.72867	1.6242	1.0088	.49529	73.29
#1	.97079	1.7000	.48651	.95217	.49789	.0104
#2	.97065	1.6825	.49782	.96585	.49442	.0327
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: 0608081-1 Operator: SW
Run Time: 08/22/06 11:58:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0309	1.0005	-.01330	.03335	.00136	149.48	1.7485
SDev	.0031	.0106	.00831	.00236	.00071	.68	.0038
%RSD	.30398	1.0573	62.517	7.0881	52.055	.45448	.21971
#1	1.0286	.99298	-.00742	.03168	.00186	149.96	1.7512
#2	1.0331	1.0079	-.01918	.03502	.00086	149.00	1.7458
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00667	77.910	.01054	.14099	.30469	.50525	H449.48
SDev	.00004	.137	.00022	.00106	.00073	.00169	.50
%RSD	.53484	.17620	2.0704	.74937	.24066	.33393	.11116
#1	.00670	78.008	.01069	.14174	.30521	.50644	H449.83
#2	.00665	77.813	.01038	.14025	.30417	.50405	H449.12
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.531	78.136	7.6851	2.9239	.32404	.01306	.70597
SDev	.075	.107	.0035	.0458	.00022	.00070	.00166
%RSD	.45605	.13714	.04598	1.5670	.06938	5.3784	.23450
#1	16.585	78.212	7.6876	2.9563	.32420	.01355	.70714
#2	16.478	78.061	7.6826	2.8915	.32388	.01256	.70480
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.0418	.15155	1.0106	.01781	.02556	.21533	H14.988
SDev	.0034	.00318	.0081	.00119	.00776	.00094	.019
%RSD	.06752	2.0986	.80144	6.6923	30.380	.43611	.12992
#1	5.0394	.15380	1.0049	.01866	.03105	.21599	H15.002
#2	5.0442	.14931	1.0163	.01697	.02007	.21466	H14.974
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	PPM	ppm	ppm	ppm	PPM
Avge	.02571	10.052	.05500	.01242	.49010	.1044
SDev	.00192	.012	.00332	.00292	.00103	.0025
%RSD	7.4809	.12226	6.0407	23.537	.21102	2.412
#1	.02707	10.061	.05735	.01449	.49083	.1062
#2	.02435	10.043	.05265	.01035	.48936	.1027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1L 5X Operator: SW
Run Time: 08/22/06 12:00:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.21689	.21463	-.00138	.00098	.00051	28.825	.35901
SDev	.00828	.00660	.01519	.00222	.00111	.227	.00248
%RSD	3.8197	3.0767	1099.8	227.97	216.78	.78891	.68960
#1	.22275	.20996	.00936	-.00060	-.00027	28.986	.36076
#2	.21103	.21930	-.01212	.00255	.00130	28.664	.35726
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00142	15.603	.00300	.02981	.06479	.10248	77.508
SDev	.00001	.036	.00010	.00089	.00066	.00144	.190
%RSD	.84024	.23277	3.2877	2.9970	1.0211	1.4049	.24553
#1	.00143	15.628	.00293	.02918	.06432	.10350	77.642
#2	.00141	15.577	.00307	.03044	.06525	.10146	77.373
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.3579	16.045	1.6213	.58357	.06926	.00241	.14766
SDev	.0052	.033	.0049	.00333	.00108	.00307	.00051
%RSD	.15408	.20257	.30002	.57134	1.5630	127.05	.34390
#1	3.3615	16.068	1.6248	.58593	.06849	.00025	.14731
#2	3.3542	16.022	1.6179	.58121	.07002	.00458	.14802
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.0710	.03038	.21538	.00019	.00588	.04301	3.3160
SDev	.0000	.00258	.00165	.00357	.00323	.00000	.0131
%RSD	.00047	8.5046	.76416	1870.6	54.903	.00000	.39408
#1	1.0710	.02855	.21422	.00272	.00817	.04301	3.3252
#2	1.0709	.03220	.21655	-.00234	.00360	.04301	3.3067
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00546	2.1659	.01333	.00350	.10166	.0262
SDev	.00003	.0156	.00065	.00024	.00065	.0368
%RSD	.64247	.72002	4.8800	6.8877	.63651	140.1
#1	.00544	2.1769	.01379	.00367	.10212	.0003
#2	.00549	2.1548	.01287	.00333	.10121	.0522
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1MS Operator: SW
Run Time: 08/22/06 12:02:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	1.4980	1.4467	1.8081	1.8170	.04695	167.92	3.5999
SDev	.0171	.0109	.0180	.0259	.00101	2.80	.0681
%RSD	1.1440	.75029	.99408	1.4272	2.1586	1.6660	1.8907
#1	1.4859	1.4390	1.7954	1.7987	.04623	165.94	3.5518
#2	1.5101	1.4544	1.8208	1.8353	.04766	169.90	3.6481
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05240	115.98	.05395	.58576	.49912	.74503	H420.70
SDev	.00070	1.56	.00058	.00753	.00657	.01372	6.92
%RSD	1.3285	1.3487	1.0704	1.2862	1.3171	1.8416	1.6457
#1	.05191	114.87	.05354	.58043	.49447	.73533	H415.80
#2	.05289	117.08	.05436	.59109	.50376	.75473	H425.60
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	51.670	115.45	7.0835	41.094	.76106	.21966	1.1241
SDev	.802	1.43	.0967	.608	.01033	.00215	.0150
%RSD	1.5529	1.2359	1.3652	1.4805	1.3576	.97791	1.3302
#1	51.102	114.44	7.0151	40.664	.75375	.21814	1.1135
#2	52.237	116.46	7.1518	41.525	.76836	.22118	1.1346
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.4802	1.9384	1.4638	1.8140	1.8215	.74495	H13.739
SDev	.0594	.0283	.0129	.0233	.0268	.01301	.210
%RSD	1.0840	1.4581	.88446	1.2835	1.4702	1.7463	1.5315
#1	5.4382	1.9184	1.4546	1.7976	1.8025	.73575	H13.591
#2	5.5222	1.9584	1.4729	1.8305	1.8404	.75415	H13.888
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.92502	16.931	.50664	.90685	.99584	.0516
SDev	.01408	.327	.00895	.01476	.01786	.0141
%RSD	1.5215	1.9318	1.7658	1.6279	1.7930	27.37

#1	.91507	16.700	.50032	.89641	.98321	.0416
#2	.93497	17.162	.51297	.91729	1.0085	.0616
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1MSD Operator: SW
Run Time: 08/22/06 12:04:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.4595	1.4043	1.8180	1.8459	.04741	164.56	3.6125
SDev	.0042	.0081	.0021	.0160	.00218	1.82	.0494
%RSD	.28995	.57568	.11538	.86438	4.5899	1.1086	1.3685
#1	1.4625	1.3986	1.8165	1.8347	.04587	165.85	3.6475
#2	1.4566	1.4100	1.8195	1.8572	.04895	163.27	3.5776
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05283	117.10	.05340	.58798	.47997	.74155	H436.26
SDev	.00012	.73	.00067	.00205	.00241	.00932	1.14
%RSD	.23319	.62197	1.2539	.34901	.50258	1.2562	.26154
#1	.05274	116.59	.05293	.58653	.47827	.74813	H435.45
#2	.05292	117.62	.05388	.58943	.48168	.73496	H437.07
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	50.914	113.89	7.3503	41.238	.75304	.21846	1.1845
SDev	.558	.72	.0050	.283	.00364	.00052	.0022
%RSD	1.0966	.63529	.06771	.68621	.48319	.23741	.18203
#1	51.308	113.38	7.3468	41.438	.75047	.21809	1.1861
#2	50.519	114.41	7.3538	41.038	.75561	.21882	1.1830
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.2537	1.9455	1.4227	1.8366	1.8363	.74630	H16.316
SDev	.0659	.0042	.0040	.0113	.0010	.00677	.084
%RSD	1.2539	.21589	.27995	.61750	.05403	.90731	.51656

#1	5.2071	1.9485	1.4199	1.8286	1.8370	.74151	H16.376
#2	5.3003	1.9425	1.4255	1.8447	1.8356	.75109	H16.256
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.92504	17.348	.51112	.91612	1.0258	.0695
SDev	.00416	.094	.00525	.00015	.0120	.0576
%RSD	.44949	.54201	1.0279	.01615	1.1724	82.76
#1	.92798	17.415	.50740	.91601	1.0343	.0288
#2	.92210	17.282	.51483	.91622	1.0173	.1102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

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Method: 30EL Sample Name: 0608081-2 Operator: SW
Run Time: 08/22/06 12:06:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.95645	.93432	-.02416	.03614	.00148	153.14	1.9867
SDev	.00345	.01544	.01097	.00697	.00017	.69	.0001
%RSD	.36028	1.6527	45.417	19.274	11.803	.44844	.00476
#1	.95888	.92340	-.01640	.03122	.00136	152.65	1.9868
#2	.95401	.94524	-.03192	.04107	.00160	153.62	1.9866
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00678	87.711	.01262	.14884	.29183	.48663	H484.03
SDev	.00006	1.089	.00000	.00193	.00338	.00020	6.15
%RSD	.86482	1.2416	.00187	1.2955	1.1598	.04183	1.2709
#1	.00674	86.941	.01262	.14748	.28944	.48677	H479.68
#2	.00682	88.481	.01262	.15021	.29423	.48649	H488.38
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	17.243	81.104	8.4918	3.0294	.32899	.01274	.76272
SDev	.033	.970	.0810	.0028	.00384	.00247	.00673
%RSD	.19385	1.1965	.95334	.09371	1.1659	19.418	.88289
#1	17.219	80.418	8.4346	3.0314	.32627	.01099	.75796
#2	17.266	81.790	8.5491	3.0274	.33170	.01449	.76749
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.0573	.15087	.94169	.01606	.01662	.21851	H16.869
SDev	.0755	.00500	.00915	.00099	.00277	.00078	.092
%RSD	1.4923	3.3139	.97186	6.1767	16.660	.35522	.54335
#1	5.0039	.14734	.93522	.01536	.01858	.21796	H16.804
#2	5.1107	.15441	.94816	.01676	.01466	.21906	H16.933
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03086	10.570	.05288	.00829	.52674	.1163
SDev	.00172	.054	.00168	.00114	.00058	.0093
%RSD	5.5878	.51416	3.1693	13.751	.10932	7.976
#1	.02964	10.531	.05170	.00910	.52634	.1098
#2	.03207	10.608	.05407	.00749	.52715	.1229
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-3 Operator: SW
Run Time: 08/22/06 12:08:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.84226	.81206	-.01259	.03149	.00069	153.45	1.8801
SDev	.00319	.00945	.00560	.00381	.00009	1.54	.0162
%RSD	.37822	1.1633	44.454	12.088	13.516	1.0007	.86151
#1	.84000	.80538	-.00863	.02880	.00075	152.37	1.8686
#2	.84451	.81874	-.01655	.03418	.00062	154.54	1.8915
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00701	84.587	.00825	.15091	.33132	.50843	H484.88
SDev	.00006	.651	.00011	.00111	.00231	.00427	5.07
%RSD	.83614	.76968	1.3285	.73662	.69720	.83989	1.0453
#1	.00697	84.126	.00833	.15013	.32968	.50542	H481.30
#2	.00705	85.047	.00817	.15170	.33295	.51145	H488.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	17.124	81.781	8.9866	2.9612	.35763	.00549	.77728
SDev	.127	.647	.0735	.0207	.00445	.00023	.00674
%RSD	.74110	.79118	.81817	.69825	1.2455	4.1539	.86683
#1	17.034	81.323	8.9346	2.9466	.35448	.00533	.77252
#2	17.214	82.238	9.0386	2.9759	.36078	.00565	.78204
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.3485	.14308	.82211	.01681	.01749	.21819	H16.950
SDev	.0332	.00288	.00736	.00068	.00500	.00142	.126
%RSD	.76384	2.0117	.89545	4.0148	28.587	.65227	.74230
#1	4.3250	.14104	.81691	.01633	.02102	.21718	H16.861
#2	4.3720	.14511	.82732	.01729	.01395	.21919	H17.039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02553	11.385	.05137	.01125	.51396	.0996
SDev	.00159	.097	.00012	.00153	.00421	.0016
%RSD	6.2236	.84991	.24217	13.558	.81830	1.589
#1	.02666	11.317	.05128	.01017	.51099	.0985
#2	.02441	11.454	.05146	.01233	.51694	.1007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-4 Operator: SW
Run Time: 08/22/06 12:10:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.85931	.83144	-.01731	.03865	.00053	163.65	1.7817
SDev	.00418	.01227	.00323	.00075	.00176	.14	.0151
%RSD	.48670	1.4755	18.630	1.9387	331.88	.08669	.84926
#1	.86226	.82276	-.01503	.03812	-.00071	163.55	1.7924
#2	.85635	.84011	-.01960	.03918	.00177	163.75	1.7710
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00744	81.477	.00600	.16156	.36862	.56936	H534.12
SDev	.00001	.221	.00018	.00147	.00089	.00112	.28
%RSD	.16271	.27173	3.0730	.90930	.24112	.19677	.05209
#1	.00743	81.320	.00587	.16052	.36800	.57015	H533.92
#2	.00745	81.633	.00613	.16260	.36925	.56856	H534.32
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	17.593	85.983	9.0687	3.1076	.38056	.01175	.84471
SDev	.022	.411	.0028	.0050	.00038	.00372	.00037
%RSD	.12233	.47770	.03073	.16150	.09991	31.643	.04361
#1	17.578	85.693	9.0707	3.1040	.38029	.00912	.84497
#2	17.608	86.274	9.0668	3.1111	.38083	.01438	.84445
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.4406	.15386	.84072	.02001	.02052	.22921	H17.844
SDev	.0225	.00274	.00679	.00057	.00578	.00209	.103
%RSD	.50657	1.7806	.80765	2.8703	28.183	.91339	.57826
#1	4.4247	.15192	.83592	.02042	.02461	.22773	H17.917
#2	4.4565	.15579	.84552	.01961	.01643	.23069	H17.771
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02429	10.796	.05202	.01287	.50463	.1121
SDev	.00144	.004	.00124	.00078	.00387	.0510
%RSD	5.9295	.03441	2.3868	6.0653	.76717	45.52
#1	.02327	10.799	.05114	.01232	.50737	.0760
#2	.02531	10.794	.05289	.01342	.50190	.1482
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-5 Operator: SW
Run Time: 08/22/06 12:11:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.84567	.81787	-.01646	.03121	.00069	148.19	1.7523
SDev	.00084	.00261	.00521	.00572	.00019	1.49	.0271
%RSD	.09960	.31857	31.668	18.335	27.347	1.0054	1.5444
#1	.84627	.81603	-.01278	.02716	.00056	147.13	1.7332
#2	.84507	.81972	-.02015	.03526	.00083	149.24	1.7715
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units					PPM	PPM	PPM
Avge	.50008	.48182	.49588	.49479	.49376	50.121	.49290
SDev	.00182	.00038	.00133	.00261	.00330	.385	.00258
%RSD	.36359	.07925	.26798	.52767	.66729	.76748	.52331
#1	.49879	.48155	.49682	.49294	.49143	49.849	.49107
#2	.50136	.48209	.49494	.49664	.49609	50.393	.49472
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49050	50.518	.47861	.48788	.49405	.49966	20.650
SDev	.00134	.070	.00182	.00035	.00074	.00467	.277
%RSD	.27301	.13813	.37937	.07245	.14967	.93402	1.3413
#1	.48955	50.468	.47732	.48763	.49352	.49636	20.846
#2	.49144	50.567	.47989	.48813	.49457	.50296	20.455
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.690	50.957	.50212	20.312	.48603	.50831	.48305
SDev	.169	.116	.00593	.210	.00022	.00161	.00166
%RSD	.85632	.22742	1.1818	1.0324	.04593	.31700	.34434
#1	19.571	50.876	.50631	20.164	.48619	.50717	.48187
#2	19.810	51.039	.49792	20.460	.48587	.50945	.48422
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50569	.47609	.48790	.49515	.49033	.50412	.51370
SDev	.00374	.00360	.00086	.00130	.00314	.00018	.01279
%RSD	.73998	.75539	.17631	.26232	.64073	.03611	2.4892
#1	.50833	.47355	.48729	.49423	.48811	.50399	.52274
#2	.50304	.47864	.48851	.49607	.49255	.50425	.50466
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0121	2.3673	.49903	.48981	.50605	9.963
SDev	.0102	.0002	.00060	.00295	.00328	.064
%RSD	1.0064	.00867	.12098	.60177	.64835	.6434

#1	1.0049	2.3674	.49861	.48772	.50373	9.918
#2	1.0193	2.3671	.49946	.49189	.50837	10.01
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

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Method: 30EL Sample Name: 0608081-1 3X Operator: SW
Run Time: 08/22/06 12:19:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.36377	.35959	-.00528	-.00269	-.00009	50.196	.60448
SDev	.00041	.00057	.00356	.00245	.00001	.715	.00382
%RSD	.11250	.15974	67.460	90.823	5.8353	1.4240	.63167
#1	.36406	.35919	-.00276	-.00442	-.00009	49.691	.60178
#2	.36348	.36000	-.00780	-.00096	-.00009	50.702	.60718
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00232	26.356	.00433	.04917	.10692	.17243	135.10
SDev	.00003	.319	.00003	.00098	.00148	.00138	1.57
%RSD	1.5093	1.2094	.77185	1.9881	1.3889	.80318	1.1593
#1	.00230	26.131	.00431	.04848	.10587	.17145	134.00
#2	.00235	26.581	.00436	.04986	.10797	.17341	136.21
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.6794	26.869	2.6884	.95018	.11422	.00070	.24751
SDev	.0712	.352	.0265	.01066	.00246	.00062	.00289
%RSD	1.2531	1.3100	.98717	1.1221	2.1506	88.572	1.1680
#1	5.6291	26.620	2.6696	.94264	.11248	.00026	.24546
#2	5.7298	27.118	2.7071	.95772	.11595	.00114	.24955
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.7680	.05052	.36098	-.00356	.00648	.07215	5.4331
SDev	.0212	.00075	.00025	.00045	.00355	.00011	.0565
%RSD	1.1995	1.4743	.06838	12.533	54.749	.14888	1.0406
#1	1.7530	.04999	.36081	-.00387	.00899	.07207	5.3932
#2	1.7830	.05104	.36116	-.00324	.00397	.07222	5.4731
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	PPM	PPM	PPM	PPM	PPM
Avge	.00760	3.6732	.01789	.00260	.17083	.0217
SDev	.00037	.0368	.00030	.00076	.00114	.0050
%RSD	4.9086	1.0019	1.6866	29.422	.66916	23.05
#1	.00786	3.6472	.01811	.00206	.17002	.0181
#2	.00734	3.6993	.01768	.00314	.17164	.0252
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1L 15X Operator: SW
Run Time: 08/22/06 12:21:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07490	.07276	.00376	-.00120	-.00095	9.4549	.12185
SDev	.00469	.00272	.00499	.00206	.00095	.0540	.00013
%RSD	6.2632	3.7354	132.60	171.17	99.749	.57080	.10313
#1	.07158	.07468	.00023	.00025	-.00028	9.4930	.12194
#2	.07821	.07084	.00729	-.00266	-.00162	9.4167	.12176
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00049	5.1374	.00057	.00943	.02124	.03429	24.811
SDev	.00001	.0324	.00001	.00066	.00065	.00022	.115
%RSD	2.3463	.63106	2.3673	7.0040	3.0848	.63775	.46350
#1	.00050	5.1604	.00057	.00989	.02171	.03444	24.892
#2	.00048	5.1145	.00058	.00896	.02078	.03413	24.729
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.1479	5.4085	.54977	.26345	.02264	-.00249	.04950
SDev	.0336	.0437	.00229	.00123	.00003	.00196	.00075
%RSD	2.9263	.80711	.41623	.46894	.14778	78.538	1.5076
#1	1.1717	5.4394	.55139	.26433	.02262	-.00111	.05003
#2	1.1242	5.3777	.54815	.26258	.02267	-.00388	.04898
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.35596	.00829	.07347	.00045	.00359	.01552	1.1297
SDev	.00376	.00005	.00025	.00029	.00166	.00004	.0031
%RSD	1.0572	.54750	.34132	63.980	46.140	.26825	.27408
#1	.35862	.00832	.07365	.00025	.00242	.01549	1.1319
#2	.35329	.00826	.07330	.00065	.00476	.01555	1.1275
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00007	.76140	.00289	.00096	.03445	-.0265
SDev	.00103	.00700	.00045	.00025	.00007	.0232
%RSD	1405.5	.91904	15.599	25.530	.19838	87.40
#1	.00066	.76635	.00257	.00079	.03450	-.0101
#2	-.00080	.75645	.00321	.00114	.03441	-.0430
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

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Method: 30EL Sample Name: 0608081-1MS 3X Operator: SW
Run Time: 08/22/06 12:23:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.53834	.52209	.62952	.64138	.01463	57.078	1.2522
SDev	.00733	.00003	.00511	.00214	.00036	.554	.0128
%RSD	1.3622	.00625	.81092	.33329	2.4860	.97099	1.0245
#1	.53315	.52212	.62591	.64289	.01437	57.470	1.2613
#2	.54352	.52207	.63313	.63987	.01489	56.686	1.2432
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01823	40.026	.01992	.20763	.17735	.25503	130.03
SDev	.00015	.350	.00008	.00212	.00150	.00213	.92
%RSD	.79775	.87375	.39697	1.0215	.84605	.83460	.70564
#1	.01813	39.779	.01987	.20613	.17629	.25654	129.38
#2	.01833	40.273	.01998	.20913	.17841	.25353	130.68
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	18.261	40.287	2.5125	14.077	.27547	.06910	.39650
SDev	.140	.326	.0094	.142	.00198	.00246	.00089
%RSD	.76416	.80854	.37426	1.0079	.71838	3.5636	.22536
#1	18.360	40.057	2.5059	14.177	.27407	.06736	.39586
#2	18.163	40.517	2.5192	13.976	.27687	.07084	.39713
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.9772	.67674	.52750	.63743	.64911	.24810	5.0453
SDev	.0313	.00386	.00242	.00027	.00691	.00022	.0122
%RSD	1.5813	.57033	.45879	.04300	1.0650	.09027	.24141
#1	1.9550	.67401	.52579	.63724	.64422	.24794	5.0540
#2	1.9993	.67947	.52921	.63762	.65400	.24825	5.0367
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.32848	7.1304	.18061	.31973	.35096	-.0150
SDev	.00005	.0242	.00365	.00293	.00266	.0243
%RSD	.01367	.33932	2.0228	.91718	.75786	161.4
#1	.32851	7.1475	.17803	.31765	.35284	-.0322
#2	.32845	7.1133	.18320	.32180	.34908	.0021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1MSD 3X Operator: SW
Run Time: 08/22/06 12:26:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.51639	.50762	.62587	.64859	.01699	54.709	1.2402
SDev	.00118	.00177	.00809	.00878	.00009	.922	.0209
%RSD	.22912	.34779	1.2924	1.3537	.53532	1.6854	1.6881
#1	.51556	.50638	.62015	.64238	.01706	54.057	1.2254
#2	.51723	.50887	.63159	.65480	.01693	55.361	1.2550
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01817	39.828	.01998	.20795	.17031	.25030	132.58
SDev	.00013	.276	.00016	.00114	.00128	.00407	1.21
%RSD	.73116	.69304	.81264	.54754	.75427	1.6275	.90964
#1	.01807	39.633	.01987	.20715	.16940	.24742	131.72
#2	.01826	40.023	.02010	.20876	.17122	.25318	133.43
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	17.706	39.259	2.5786	13.894	.26942	.07976	.41374
SDev	.271	.296	.0245	.260	.00187	.00284	.00303
%RSD	1.5289	.75442	.95159	1.8690	.69575	3.5606	.73274
#1	17.514	39.050	2.5612	13.711	.26809	.08177	.41159
#2	17.897	39.469	2.5959	14.078	.27074	.07775	.41588
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.9095	27.900	2.9684	.99377	.11619	-.00068	.26616
SDev	.1132	.326	.0286	.01748	.00108	.00054	.00264
%RSD	1.9149	1.1675	.96515	1.7586	.93187	79.129	.99122
#1	5.8295	27.670	2.9481	.98141	.11542	-.00106	.26430
#2	5.9895	28.130	2.9886	1.0061	.11695	-.00030	.26803
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.7794	.05231	.33373	.00182	.00939	.07278	6.1668
SDev	.0084	.00205	.00188	.00163	.00044	.00093	.0650
%RSD	.47485	3.9196	.56212	89.578	4.7120	1.2781	1.0541
#1	1.7734	.05376	.33240	.00297	.00971	.07212	6.1208
#2	1.7854	.05086	.33505	.00067	.00908	.07344	6.2127
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00877	3.7570	.01825	.00350	.18272	.0209
SDev	.00002	.0746	.00035	.00026	.00208	.0028
%RSD	.26548	1.9849	1.8972	7.2986	1.1407	13.21
#1	.00875	3.7043	.01800	.00368	.18124	.0229
#2	.00878	3.8097	.01849	.00332	.18419	.0190
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-3 3X Operator: SW
Run Time: 08/22/06 12:30:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.29925	.28579	.00078	.00061	-.00052	50.672	.64187
SDev	.00106	.00003	.00439	.00119	.00081	.400	.00145
%RSD	.35366	.00999	565.88	196.32	156.06	.78919	.22619
#1	.30000	.28581	.00388	.00145	-.00109	50.389	.64085
#2	.29850	.28577	-.00233	-.00024	.00005	50.955	.64290
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00244	28.423	.00355	.05177	.11496	.17094	142.47
SDev	.00000	.061	.00006	.00067	.00132	.00164	.29
%RSD	.00886	.21584	1.5837	1.3023	1.1451	.95988	.20537
#1	.00244	28.379	.00351	.05129	.11403	.16978	142.26
#2	.00244	28.466	.00359	.05225	.11589	.17210	142.67
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.8299	27.879	3.1292	.96202	.12487	-.00094	.26874
SDev	.0425	.118	.0051	.00872	.00017	.00040	.00101
%RSD	.72840	.42329	.16295	.90667	.13820	42.143	.37617
#1	5.7999	27.795	3.1256	.95585	.12474	-.00122	.26802
#2	5.8599	27.962	3.1328	.96819	.12499	-.00066	.26945
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.5164	.04635	.29027	.00066	.01380	.07179	6.1703
SDev	.0035	.00001	.00037	.00225	.00072	.00025	.0023
%RSD	.22776	.01741	.12797	340.43	5.1979	.34928	.03680
#1	1.5140	.04634	.29053	.00226	.01431	.07161	6.1687
#2	1.5189	.04635	.29001	-.00093	.01329	.07197	6.1719
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00799	4.0134	.01836	.00376	.17702	.0120
SDev	.00087	.0154	.00020	.00039	.00042	.0207
%RSD	10.942	.38343	1.0857	10.331	.23876	172.6
#1	.00737	4.0025	.01822	.00349	.17672	-.0026
#2	.00860	4.0243	.01850	.00404	.17732	.0266
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-4 3X Operator: SW
Run Time: 08/22/06 12:32:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.29936	.29627	-.00618	.00129	.00037	53.882	.60496
SDev	.00353	.00598	.00811	.00302	.00036	.989	.00666
%RSD	1.1796	2.0169	131.28	234.64	98.697	1.8353	1.1015
#1	.30186	.29204	-.00044	-.00085	.00063	53.182	.60025
#2	.29686	.30050	-.01192	.00342	.00011	54.581	.60967
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00260	27.356	.00342	.05646	.12842	.19106	154.09
SDev	.00001	.170	.00019	.00038	.00049	.00219	1.13
%RSD	.44146	.62205	5.7042	.66821	.38309	1.1472	.73276
#1	.00259	27.236	.00356	.05619	.12807	.18951	153.29
#2	.00261	27.477	.00328	.05672	.12877	.19261	154.89
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.9845	29.265	3.1539	1.0043	.13405	.00247	.29151
SDev	.0683	.214	.0226	.0184	.00041	.00006	.00201
%RSD	1.1416	.73290	.71715	1.8345	.30778	2.2700	.68833
#1	5.9362	29.113	3.1379	.99123	.13376	.00251	.29009
#2	6.0328	29.416	3.1699	1.0173	.13434	.00243	.29293
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.5490	.05145	.29730	-.00120	.00692	.07566	6.4933
SDev	.0051	.00011	.00281	.00069	.00281	.00000	.0579
%RSD	.33096	.20891	.94510	57.448	40.624	.00000	.89223
#1	1.5454	.05153	.29531	-.00071	.00890	.07566	6.4523
#2	1.5526	.05137	.29929	-.00169	.00493	.07566	6.5342
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00825	3.9065	.01691	.00467	.17290	.0470
SDev	.00076	.0470	.00350	.00090	.00177	.0208
%RSD	9.1766	1.2041	20.726	19.195	1.0206	44.36

#1	.00878	3.8732	.01939	.00531	.17165	.0617
#2	.00771	3.9398	.01443	.00404	.17415	.0322
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-5 3X Operator: SW
Run Time: 08/22/06 12:35:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.29846	.29049	-.00406	.00313	-.00036	48.395	.59344
SDev	.00369	.00113	.00352	.00264	.00043	.013	.00369
%RSD	1.2372	.38755	86.563	84.162	121.12	.02701	.62156
#1	.29585	.28969	-.00158	.00127	-.00066	48.385	.59083
#2	.30107	.29129	-.00655	.00500	-.00005	48.404	.59604
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00235	26.916	.00373	.04884	.11997	.21232	138.76
SDev	.00003	.225	.00002	.00084	.00145	.00181	1.24
%RSD	1.4902	.83530	.52381	1.7280	1.2130	.85194	.89307
#1	.00233	26.757	.00372	.04824	.11894	.21104	137.89
#2	.00238	27.075	.00374	.04943	.12100	.21359	139.64
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.4566	26.812	2.9548	.91017	.12548	.00241	.26474
SDev	.0098	.204	.0243	.00117	.00057	.00488	.00290
%RSD	.17897	.75938	.82387	.12795	.45240	202.97	1.0939
#1	5.4497	26.668	2.9376	.90934	.12508	-.00105	.26270
#2	5.4635	26.956	2.9720	.91099	.12588	.00586	.26679
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.5195	.04699	.29314	.00074	.00809	.06857	5.9732
SDev	.0183	.00008	.00198	.00059	.00263	.00014	.0422
%RSD	1.2018	.16131	.67559	79.747	32.550	.20990	.70717

#1	1.5066	.04704	.29174	.00032	.00623	.06847	5.9433
#2	1.5324	.04694	.29454	.00115	.00995	.06867	6.0030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00841	3.3151	.03131	.00538	.16720	.0223
SDev	.00075	.0207	.00226	.00115	.00106	.0164
%RSD	8.8656	.62570	7.2126	21.355	.63299	73.73
#1	.00788	3.3004	.02971	.00457	.16645	.0107
#2	.00893	3.3298	.03291	.00620	.16795	.0339
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1A Operator: SW
Run Time: 08/22/06 12:37:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.9690	1.8898	.94495	.98899	1.0132	150.59	2.7049
SDev	.0230	.0075	.00898	.00267	.0099	1.00	.0147
%RSD	1.1661	.39609	.95010	.27042	.98139	.66377	.54308
#1	1.9528	1.8845	.93860	.98710	1.0062	149.89	2.6945
#2	1.9853	1.8951	.95130	.99088	1.0203	151.30	2.7153
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.97030	77.076	.92287	1.0920	1.2555	1.5246	H438.71
SDev	.00986	.878	.01049	.0122	.0120	.0094	5.46
%RSD	1.0158	1.1395	1.1367	1.1133	.95597	.61381	1.2447
#1	.96333	76.455	.91545	1.0834	1.2470	1.5180	H434.85
#2	.97727	77.697	.93029	1.1006	1.2640	1.5312	H442.57
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	25.202	77.463	8.4641	4.0017	1.2604	.99979	1.6396
SDev	.149	.855	.0793	.0268	.0121	.00514	.0137
%RSD	.59132	1.1044	.93637	.67032	.96113	.51372	.83693

#1	25.096	76.858	8.4080	3.9828	1.2518	.99616	1.6299
#2	25.307	78.068	8.5201	4.0207	1.2689	1.0034	1.6493
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000
Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.8553	1.0807	1.9162	.97432	.95994	.21223	H15.360
SDev	.0799	.0100	.0126	.00477	.01063	.00220	.112
%RSD	1.3649	.92852	.65956	.48993	1.1071	1.0388	.73181
#1	5.7988	1.0736	1.9072	.97095	.95243	.21068	H15.280
#2	5.9118	1.0878	1.9251	.97770	.96746	.21379	H15.439
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000
Elem	B	Si	Sn	Mo	Sr	U	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.98927	10.740	.05039	.96595	.48297	.0639	
SDev	.00800	.072	.00025	.00878	.00304	.0118	
%RSD	.80862	.66662	.49371	.90925	.62867	18.45	
#1	.98362	10.690	.05021	.95974	.48083	.0556	
#2	.99493	10.791	.05056	.97217	.48512	.0723	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	10.000	50.000	10.000	10.000	10.000	50.00	
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000	

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Method: 30EL Sample Name: EX060820-1MB Operator: SW
Run Time: 08/22/06 12:41:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00377	-.00089	.00665	-.00434	-.00030	.05431	.01400
SDev	.01265	.00499	.01326	.01061	.00013	.00328	.00019
%RSD	336.07	563.75	199.48	244.78	41.806	6.0444	1.3787
#1	-.00518	.00264	-.00273	.00317	-.00039	.05663	.01413
#2	.01271	-.00441	.01602	-.01184	-.00021	.05199	.01386
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00011	.04310	-.00034	.00024	.00354	.00027	.06498
SDev	.00001	.00155	.00012	.00065	.00059	.00158	.02687
%RSD	10.653	3.6062	35.526	277.04	16.525	575.42	41.362
#1	.00010	.04200	-.00042	-.00023	.00313	-.00084	.04597
#2	.00012	.04420	-.00025	.00070	.00396	.00139	.08398
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.13513	-.00727	.00149	H149.69	.00243	-.00228	.00011
SDev	.08903	.00205	.00009	1.95	.00040	.00046	.00036
%RSD	65.883	28.247	5.8860	1.3026	16.275	20.325	342.78
#1	.07218	-.00873	.00156	H151.07	.00215	-.00261	-.00015
#2	.19808	-.00582	.00143	H148.31	.00271	-.00196	.00036
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	H.02838	.00205	.00066	-.00068	.00245	.00299	.00223
SDev	.00019	.00185	.00089	.00266	.00191	.00039	.00132
%RSD	.67417	89.978	133.49	392.49	78.109	13.123	59.366
#1	H.02824	.00075	.00004	.00121	.00110	.00271	.00129
#2	H.02852	.00336	.00129	-.00256	.00380	.00327	.00316
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02957	H.07546	.00196	.00106	.00082	-.0107
SDev	.00083	.00962	.00507	.00165	.00012	.0058
%RSD	2.7998	12.745	258.52	156.29	14.982	54.28
#1	.03016	H.08226	-.00162	-.00011	.00073	-.0148
#2	.02899	H.06866	.00555	.00223	.00090	-.0066
Errors	LC Pass	LC High	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/22/06 12:43:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48954	.47660	.48823	.49590	.49244	49.721	.49368
SDev	.00543	.00139	.00921	.00364	.00444	.578	.00666
%RSD	1.1089	.29244	1.8861	.73352	.90237	1.1618	1.3488
#1	.48570	.47562	.48171	.49847	.48930	49.313	.48898
#2	.49337	.47759	.49474	.49333	.49558	50.130	.49839
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.48917	50.096	.47719	.48519	.49138	.49930	20.054
SDev	.00377	.299	.00281	.00257	.00292	.00635	.156
%RSD	.76957	.59629	.58822	.52914	.59458	1.2710	.78033
#1	.48651	49.885	.47521	.48337	.48931	.49482	19.943
#2	.49184	50.307	.47918	.48700	.49344	.50379	20.165
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.669	50.487	.48943	20.271	.48508	.50971	.48118
SDev	.208	.288	.00362	.172	.00260	.00632	.00460
%RSD	1.0558	.57004	.73980	.84687	.53626	1.2395	.95522
#1	19.522	50.283	.48687	20.149	.48324	.50524	.47793
#2	19.816	50.690	.49199	20.392	.48692	.51418	.48443
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49397	.47465	.48091	.49334	.48586	.49895	.49049
SDev	.00061	.00320	.00274	.00064	.00101	.00046	.00499
%RSD	.12301	.67368	.56919	.12977	.20689	.09127	1.0165
#1	.49354	.47239	.47897	.49289	.48515	.49863	.48697
#2	.49440	.47691	.48285	.49380	.48657	.49927	.49402
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0119	2.3373	.49490	.48857	.50914	10.02
SDev	.0157	.0146	.00383	.00705	.00619	.14
%RSD	1.5500	.62331	.77484	1.4419	1.2156	1.431
#1	1.0008	2.3270	.49219	.48359	.50476	9.920
#2	1.0230	2.3476	.49761	.49355	.51352	10.12
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/22/06 12:45:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00155	.00308	-.00391	-.00021	.00148	.05601	.00055
SDev	.00148	.00094	.00059	.00143	.00140	.00635	.00005
%RSD	95.176	30.527	15.211	672.50	94.958	11.344	9.3462
#1	-.00051	.00242	-.00349	.00080	.00049	.06051	.00051
#2	-.00259	.00375	-.00433	-.00122	.00247	.05152	.00058
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00036	.03773	.00013	.00162	.00113	.00093	.04282
SDev	.00009	.00939	.00003	.00138	.00084	.00054	.00950
%RSD	25.842	24.898	26.148	85.290	74.095	58.228	22.197
#1	.00043	.04437	.00010	.00064	.00054	.00054	.03610
#2	.00030	.03109	.00015	.00260	.00172	.00131	.04954
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.17639	.02860	.00109	.15360	.00136	.00223	.00113
SDev	.08915	.00427	.00004	.00226	.00060	.00578	.00084
%RSD	50.544	14.942	3.4593	1.4726	44.152	259.60	74.647
#1	.11335	.03162	.00106	.15520	.00094	-.00186	.00053
#2	.23943	.02557	.00111	.15200	.00179	.00632	.00172
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00411	.00377	.00154	-.00144	-.00074	.00264	.00170
SDev	.00014	.00362	.00014	.00115	.00016	.00010	.00063
%RSD	3.3528	96.036	8.8674	79.824	21.861	3.7581	37.220
#1	.00402	.00121	.00144	-.00063	-.00063	.00271	.00125
#2	.00421	.00633	.00164	-.00226	-.00086	.00257	.00215
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	PPM	PPM	PPM	ppm	PPM
Avge	.00199	.01571	.00141	.00287	.00031	.0376
SDev	.00103	.00561	.00032	.00037	.00006	.0412
%RSD	51.703	35.698	22.603	12.753	20.853	109.6
#1	.00126	.01968	.00118	.00313	.00036	.0085
#2	.00272	.01175	.00164	.00261	.00027	.0668
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: EX060820-1LCS Operator: SW
Run Time: 08/22/06 12:48:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49768	.48693	1.9675	1.9736	.04724	1.7220	1.9750
SDev	.00220	.00531	.0088	.0274	.00064	.0159	.0031
%RSD	.44239	1.0902	.44840	1.3886	1.3638	.92397	.15702
#1	.49924	.48317	1.9737	1.9542	.04679	1.7108	1.9728
#2	.49613	.49068	1.9612	1.9930	.04770	1.7333	1.9772
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04748	L.03276	.04808	.49596	.19282	.24715	.86700
SDev	.00013	.00118	.00038	.00306	.00098	.00197	.00733
%RSD	.28322	3.6102	.78051	.61769	.51080	.79719	.84534
#1	.04738	L.03192	.04782	.49379	.19213	.24575	.86182
#2	.04757	L.03359	.04835	.49812	.19352	.24854	.87218
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	L.07989	L-.02016	.48326	H153.03	.49344	.50462	.48093
SDev	.01804	.00466	.00171	1.84	.00350	.00312	.00166
%RSD	22.576	23.106	.35383	1.2050	.70866	.61815	.34568
#1	L.06714	L-.02345	.48205	H151.72	.49096	.50242	.47975
#2	L.09265	L-.01686	.48447	H154.33	.49591	.50683	.48210
Errors	LC Low	LC Low	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.53501	1.9173	.49051	1.9716	1.9757	.53138	.47885
SDev	.00258	.0006	.00281	.0153	.0073	.00596	.00140
%RSD	.48203	.03391	.57238	.77815	.37006	1.1210	.29284
#1	.53318	1.9178	.48852	1.9607	1.9706	.52717	.47786
#2	.53683	1.9169	.49249	1.9824	1.9809	.53559	.47984
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0255	1.9738	.49548	.96745	.49610	-.0376
SDev	.0021	.0006	.00349	.00841	.00096	.0243
%RSD	.20796	.02983	.70377	.86887	.19427	64.66
#1	1.0239	1.9734	.49301	.96150	.49542	-.0548
#2	1.0270	1.9742	.49794	.97339	.49678	-.0204
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: EX060820-1LCSD Operator: SW
Run Time: 08/22/06 12:50:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.49292	.48661	1.9580	1.9657	.04776	1.7014	1.9546
SDev	.00259	.00260	.0137	.0072	.00178	.0261	.0392
%RSD	.52486	.53380	.69807	.36596	3.7369	1.5342	2.0068
#1	.49475	.48477	1.9483	1.9606	.04650	1.7199	1.9823
#2	.49109	.48844	1.9677	1.9708	.04903	1.6829	1.9269
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04762	L.04598	.04821	.49587	.19273	.24468	.86932
SDev	.00004	.00180	.00030	.00129	.00151	.00443	.01503
%RSD	.07642	3.9106	.62439	.26119	.78540	1.8111	1.7296
#1	.04764	L.04471	.04800	.49496	.19166	.24781	.85869
#2	.04759	L.04725	.04842	.49679	.19380	.24154	.87995
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	L.12873	L-.01502	.48164	H149.87	.49353	.50676	.47870
SDev	.12009	.01493	.00159	1.78	.00109	.00381	.00176
%RSD	93.289	99.388	.33003	1.1875	.21998	.75149	.36705
#1	L.04381	L-.02558	.48277	H151.13	.49277	.50946	.47994
#2	L.21365	L-.00446	.48052	H148.61	.49430	.50407	.47746
Errors	LC Low	LC Low	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.54216	1.9097	.48871	1.9631	1.9743	.53489	.47575
SDev	.00581	.0143	.00087	.0094	.0179	.00529	.00428
%RSD	1.0723	.74884	.17823	.47626	.90796	.98889	.90070
#1	.53805	1.9198	.48809	1.9565	1.9616	.53115	.47878
#2	.54627	1.8996	.48933	1.9697	1.9870	.53863	.47272
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0175	1.9791	.49525	.96962	.49153	-.0106
SDev	.0133	.0338	.00340	.00150	.00852	.0661
%RSD	1.3068	1.7071	.68688	.15500	1.7326	625.4

#1	1.0269	2.0030	.49284	.97068	.49756	-.0573
#2	1.0081	1.9552	.49765	.96855	.48551	.0362
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.60000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: 0608106-7 Operator: SW
Run Time: 08/22/06 12:52:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00431	-.00177	.00842	-.00363	-.00122	.02900	.02798
SDev	.00103	.00270	.00635	.00379	.00164	.00239	.00060
%RSD	23.886	152.62	75.384	104.40	134.42	8.2440	2.1468
#1	.00358	.00014	.00393	-.00095	-.00237	.02731	.02841
#2	.00504	-.00367	.01292	-.00631	-.00006	.03069	.02756
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00016	61.809	-.00037	.00085	-.00025	.00001	.08127
SDev	.00001	.727	.00023	.00072	.00079	.00104	.02213
%RSD	7.2452	1.1764	60.584	85.546	319.16	17194.	27.234
#1	.00015	61.294	-.00053	.00033	-.00081	-.00073	.06562
#2	.00016	62.323	-.00021	.00136	.00031	.00074	.09692
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.6690	1.6501	.23235	H150.92	.00157	-.00515	-.00008
SDev	.0254	.0241	.00134	.83	.00021	.00146	.00111
%RSD	.54344	1.4582	.57547	.55249	13.179	28.279	1342.2
#1	4.6511	1.6330	.23141	H151.51	.00142	-.00617	-.00086
#2	4.6870	1.6671	.23330	H150.33	.00172	-.00412	.00070
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01094	.00232	.00026	.00038	.00437	.00612	.00081
SDev	.00042	.00078	.00146	.00041	.00156	.00009	.00084
%RSD	3.8530	33.604	566.21	107.78	35.783	1.4914	103.82

#1	.01064	.00177	.00129	.00068	.00327	.00619	.00021
#2	.01124	.00287	-.00077	.00009	.00548	.00606	.00140
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00540	.45075	.00145	.00554	.07401	-.0318
SDev	.00075	.00869	.00125	.00014	.00052	.0358
%RSD	13.855	1.9277	86.478	2.5248	.69830	112.4
#1	.00487	.45690	.00056	.00544	.07438	-.0572
#2	.00593	.44461	.00234	.00564	.07365	-.0065
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608106-7D Operator: SW
Run Time: 08/22/06 12:54:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00691	-.00345	.00989	-.00508	-.00134	.02665	.02681
SDev	.00169	.00100	.00495	.00073	.00069	.00193	.00018
%RSD	24.450	29.001	50.044	14.456	51.430	7.2232	.65876
#1	.00572	-.00274	.00639	-.00560	-.00085	.02801	.02668
#2	.00811	-.00415	.01340	-.00456	-.00183	.02529	.02693
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00013	61.935	-.00026	.00068	-.00017	.00059	.09068
SDev	.00000	.275	.00009	.00019	.00024	.00028	.00351
%RSD	.10014	.44342	33.949	28.020	138.31	48.125	3.8704
#1	.00013	61.741	-.00019	.00081	-.00000	.00079	.09317
#2	.00013	62.129	-.00032	.00054	-.00034	.00039	.08820
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.6709	1.6531	.23243	H149.89	.00135	-.00457	-.00060
SDev	.0364	.0078	.00120	1.93	.00058	.00163	.00064
%RSD	.77965	.47117	.51832	1.2869	43.203	35.684	106.52

#1	4.6452	1.6476	.23157	H148.52	.00176	-.00342	-.00015
#2	4.6967	1.6586	.23328	H151.25	.00094	-.00572	-.00105
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00979	-.00206	.00000	-.00009	.00428	.00573	.00044
SDev	.00019	.00082	.00010	.00214	.00145	.00009	.00030
%RSD	1.9105	39.607	2590.9	2284.5	33.897	1.6030	69.625
#1	.00992	-.00149	.00008	-.00161	.00531	.00567	.00065
#2	.00965	-.00264	-.00007	.00142	.00326	.00580	.00022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00314	.44805	.00208	.00195	.07384	-.0346
SDev	.00055	.00688	.00053	.00014	.00067	.0237
%RSD	17.606	1.5347	25.522	6.9602	.91325	68.53
#1	.00353	.45291	.00171	.00204	.07336	-.0178
#2	.00275	.44319	.00246	.00185	.07431	-.0513
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608106-7L 5X Operator: SW
Run Time: 08/22/06 12:57:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00248	.00057	-.00400	-.00258	.00105	.02671	.00567
SDev	.01223	.00622	.01440	.00408	.00221	.00909	.00023
%RSD	492.06	1089.9	360.02	158.07	210.74	34.039	3.9865
#1	-.01113	.00497	-.01418	.00030	.00261	.03314	.00583
#2	.00616	-.00383	.00618	-.00547	-.00051	.02028	.00551
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00008	12.054	-.00024	.00111	.00099	-.00012	.03071
SDev	.00002	.079	.00031	.00165	.00171	.00030	.00490
%RSD	27.365	.65879	129.55	148.24	172.85	248.05	15.969

#1	.00010	11.997	-.00002	.00227	.00220	-.00033	.02725
#2	.00007	12.110	-.00046	-.00005	-.00022	.00009	.03418
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000
Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.90602	.33977	.04782	25.833	.00032	.00430	.00087
SDev	.03115	.01177	.00027	.028	.00119	.00964	.00144
%RSD	3.4380	3.4647	.57150	.10651	370.45	224.06	165.40
#1	.92805	.34809	.04763	25.852	.00116	.01112	.00189
#2	.88399	.33144	.04801	25.813	-.00052	-.00251	-.00015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000
Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00167	.00346	-.00045	-.00305	.00008	.00327	.00048
SDev	.00077	.00369	.00008	.00207	.00283	.00039	.00024
%RSD	45.945	106.64	17.306	67.829	3416.9	11.907	50.103
#1	.00221	.00606	-.00039	-.00452	-.00192	.00299	.00031
#2	.00113	.00085	-.00050	-.00159	.00209	.00354	.00065
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000
Elem	B	Si	Sn	Mo	Sr	U	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00182	.09824	.00253	.00125	.01494	.0300	
SDev	.00279	.00743	.00037	.00036	.00025	.0645	
%RSD	153.22	7.5580	14.787	28.578	1.6518	215.2	
#1	.00380	.10349	.00227	.00100	.01477	.0756	
#2	-.00015	.09299	.00280	.00151	.01512	-.0156	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	10.000	50.000	10.000	10.000	10.000	50.00	
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000	

Method: 30EL Sample Name: 0608106-7MS Operator: SW
Run Time: 08/22/06 12:59:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48206	.47556	1.9461	1.9488	.04783	1.6291	1.9181
SDev	.00519	.00813	.0161	.0182	.00205	.0109	.0092
%RSD	1.0773	1.7104	.82699	.93618	4.2857	.66805	.48161

#1	.48573	.46980	1.9347	1.9359	.04638	1.6368	1.9246
#2	.47839	.48131	1.9575	1.9617	.04928	1.6214	1.9115
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04751	62.013	.04747	.48257	.18820	.23976	.92186
SDev	.00032	.410	.00060	.00460	.00225	.00119	.01133
%RSD	.66969	.66071	1.2566	.95426	1.1941	.49428	1.2288
#1	.04728	61.724	.04705	.47932	.18662	.24059	.91385
#2	.04773	62.303	.04789	.48583	.18979	.23892	.92987
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.6323	1.6638	.70359	H147.50	.48049	.49869	.47116
SDev	.0099	.0207	.00279	1.34	.00279	.00910	.00255
%RSD	.21274	1.2457	.39699	.91073	.58132	1.8245	.54136
#1	4.6253	1.6492	.70162	H148.45	.47851	.49225	.46936
#2	4.6393	1.6785	.70557	H146.55	.48246	.50512	.47297
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.51063	1.8789	.47772	1.9479	1.9349	.54277	.46732
SDev	.00541	.0074	.00370	.0175	.0142	.00773	.00027
%RSD	1.0584	.39231	.77366	.89985	.73255	1.4243	.05799
#1	.50681	1.8737	.47511	1.9355	1.9248	.53730	.46712
#2	.51446	1.8841	.48034	1.9603	1.9449	.54824	.46751
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97463	2.3561	.48787	.94758	.55305	.0156
SDev	.00036	.0111	.00523	.00651	.00176	.0527
%RSD	.03648	.47033	1.0718	.68675	.31902	337.4
#1	.97438	2.3639	.48417	.94298	.55429	-.0217
#2	.97488	2.3483	.49156	.95219	.55180	.0529
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00

Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608106-7MSD Operator: SW
Run Time: 08/22/06 13:01:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48081	.47587	1.9468	1.9553	.04716	1.6492	1.9453
SDev	.00502	.00139	.0069	.0216	.00002	.0029	.0110
%RSD	1.0450	.29187	.35431	1.1031	.04992	.17768	.56353
#1	.47726	.47489	1.9420	1.9400	.04717	1.6471	1.9375
#2	.48437	.47685	1.9517	1.9705	.04714	1.6513	1.9530
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04773	61.954	.04731	.48452	.18874	.24248	.91871
SDev	.00042	.428	.00007	.00286	.00100	.00143	.01664
%RSD	.87163	.69026	.13970	.59067	.52918	.58877	1.8112
#1	.04744	61.652	.04726	.48250	.18803	.24147	.90695
#2	.04803	62.257	.04736	.48654	.18944	.24349	.93048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.6131	1.6542	.70776	H147.16	.48188	.50323	.47448
SDev	.0149	.0107	.00512	.08	.00269	.00304	.00343
%RSD	.32377	.64744	.72295	.05662	.55775	.60337	.72246
#1	4.6025	1.6466	.70414	H147.11	.47998	.50538	.47206
#2	4.6236	1.6618	.71138	H147.22	.48378	.50109	.47691
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50960	1.8897	.47752	1.9525	1.9366	.54399	.47200
SDev	.00394	.0174	.00260	.0167	.0006	.00039	.00332
%RSD	.77334	.92312	.54440	.85446	.03293	.07215	.70406
#1	.50681	1.8774	.47568	1.9407	1.9362	.54371	.46965
#2	.51239	1.9021	.47936	1.9642	1.9371	.54427	.47435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000

Low	-.04000	-.02000	-.00600	-.01000	-.02000	-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98485	2.3638	.48750	.95999	.55982	-.0132
SDev	.00497	.0034	.00300	.01106	.00316	.0119
%RSD	.50430	.14378	.61631	1.1526	.56452	89.97
#1	.98134	2.3614	.48537	.95217	.55758	-.0048
#2	.98836	2.3662	.48962	.96781	.56205	-.0217
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608106-8 Operator: SW
Run Time: 08/22/06 13:03:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00771	-.00382	.00963	-.00307	-.00092	.03057	.03133
SDev	.00564	.00138	.00212	.00054	.00123	.00342	.00035
%RSD	73.161	36.081	22.016	17.667	132.95	11.173	1.1291
#1	.00372	-.00284	.00813	-.00269	-.00006	.03299	.03158
#2	.01170	-.00479	.01112	-.00346	-.00179	.02816	.03108
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00016	59.040	-.00032	.00117	.00019	.00072	.07653
SDev	.00001	.541	.00017	.00065	.00093	.00005	.00051
%RSD	7.2628	.91631	54.999	55.667	484.10	7.1397	.66641
#1	.00016	58.657	-.00019	.00163	.00085	.00069	.07689
#2	.00015	59.423	-.00044	.00071	-.00047	.00076	.07617
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.3376	1.6085	.21309	H145.22	.00145	-.00284	.00001
SDev	.0558	.0125	.00175	3.88	.00103	.00202	.00098
%RSD	1.2854	.77805	.81926	2.6706	71.128	71.144	9517.2
#1	4.2981	1.5996	.21185	H142.48	.00218	-.00141	.00070
#2	4.3770	1.6173	.21432	H147.97	.00072	-.00427	-.00068
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000

Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02851	.00284	.00002	.00115	.00710	.00619	.00117
SDev	.00038	.00037	.00096	.00034	.00130	.00000	.00013
%RSD	1.3389	13.071	4623.9	29.742	18.289	.00000	11.402
#1	.02878	.00258	-.00066	.00091	.00618	.00619	.00126
#2	.02824	.00311	.00070	.00140	.00802	.00619	.00107
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03138	.44814	.00349	.00609	.06752	-.0196
SDev	.00083	.00017	.00040	.00065	.00070	.0349
%RSD	2.6372	.03904	11.506	10.644	1.0341	177.4
#1	.03196	.44827	.00377	.00654	.06703	.0050
#2	.03079	.44802	.00320	.00563	.06802	-.0443
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608106-9 Operator: SW
Run Time: 08/22/06 13:06:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00203	.00139	-.00104	-.00062	.00120	.03493	.02968
SDev	.00254	.00191	.00019	.00241	.00089	.00182	.00003
%RSD	125.04	137.89	18.610	387.57	73.969	5.2070	.11912
#1	-.00023	.00003	-.00090	.00108	.00057	.03365	.02966
#2	-.00382	.00274	-.00118	-.00233	.00183	.03622	.02971
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00015	49.786	.00013	.00272	.00124	.00165	.28811
SDev	.00002	.471	.00023	.00046	.00072	.00038	.00913
%RSD	15.529	.94624	179.71	17.065	58.599	23.093	3.1675
#1	.00013	49.453	-.00004	.00239	.00072	.00138	.28166
#2	.00016	50.119	.00030	.00305	.00175	.00192	.29456
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00

Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.6416	1.5388	.25309	H146.37	.00295	.00383	.00113
SDev	.0218	.0224	.00158	1.02	.00062	.00389	.00060
%RSD	.46963	1.4542	.62309	.69784	20.924	101.54	53.460
#1	4.6262	1.5229	.25197	H147.10	.00252	.00108	.00070
#2	4.6570	1.5546	.25420	H145.65	.00339	.00659	.00155
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01950	.00241	.00025	-.00076	.00171	.00531	.00102
SDev	.00095	.00123	.00043	.00167	.00096	.00005	.00045
%RSD	4.8569	51.020	172.55	219.72	56.282	.87215	44.427
#1	.01883	.00328	-.00006	.00042	.00103	.00528	.00070
#2	.02017	.00154	.00056	-.00194	.00240	.00534	.00134
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03041	.43844	.00296	.00314	.06558	.0390
SDev	.00109	.00960	.00040	.00077	.00020	.0288
%RSD	3.5915	2.1889	13.572	24.589	.29983	73.80
#1	.02964	.44523	.00268	.00260	.06572	.0186
#2	.03118	.43166	.00324	.00369	.06544	.0593
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

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Method: 30EL Sample Name: 0608111-1 Operator: SW
Run Time: 08/22/06 13:10:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00450	.00185	.00950	-.00351	-.00031	.02031	.06544
SDev	.00627	.00154	.00203	.00170	.00020	.00157	.00027
%RSD	139.37	83.211	21.356	48.466	65.543	7.7354	.40865
#1	-.00007	.00076	.01093	-.00472	-.00017	.02142	.06525
#2	-.00893	.00293	.00806	-.00231	-.00045	.01920	.06563
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00012	34.503	-.00056	.00028	.00467	-.00085	.12224
SDev	.00001	.028	.00001	.00030	.00021	.00072	.00771
%RSD	9.3689	.08001	1.2766	106.53	4.4078	85.416	6.3048
#1	.00013	34.484	-.00057	.00050	.00482	-.00034	.12769
#2	.00011	34.523	-.00056	.00007	.00452	-.00136	.11679
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	17.656	7.1244	.01151	C.00000	.00048	-.00841	.00567
SDev	.084	.0085	.00006	.00000	.00010	.00167	.00024
%RSD	.47471	.11895	.55721	.00000	21.688	19.828	4.2774
#1	17.597	7.1304	.01146	C.00000	.00055	-.00723	.00585
#2	17.716	7.1184	.01156	C.00000	.00040	-.00959	.00550
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00184	.00437	-.00027	.00082	.00487	.27196	-.00029
SDev	.00000	.00050	.00106	.00046	.00154	.00083	.00078
%RSD	.01606	11.539	400.45	56.104	31.515	.30356	265.81
#1	-.00184	.00402	.00049	.00049	.00596	.27138	.00026
#2	-.00184	.00473	-.00102	.00115	.00379	.27255	-.00084
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.89562	15.234	.00538	.04015	.82834	-.0048
SDev	.00040	.029	.00000	.00026	.00352	.0024
%RSD	.04470	.19153	.01054	.63520	.42442	49.83
#1	.89533	15.213	.00538	.04033	.82585	-.0031
#2	.89590	15.254	.00538	.03996	.83082	-.0065
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/22/06 13:13:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49512	.47278	.48525	.49096	.49121	49.894	.48997
SDev	.00671	.01074	.01304	.00600	.00456	.407	.00291
%RSD	1.3562	2.2721	2.6866	1.2220	.92930	.81657	.59358
#1	.49987	.46519	.49447	.48671	.48798	49.606	.48792
#2	.49037	.48038	.47603	.49520	.49444	50.182	.49203
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49145	50.795	.48264	.48781	.49543	.49496	20.334
SDev	.00310	.330	.00343	.00326	.00440	.00227	.108
%RSD	.62983	.65014	.71064	.66826	.88860	.45825	.53282
#1	.48926	50.561	.48022	.48550	.49232	.49336	20.257
#2	.49364	51.028	.48507	.49011	.49854	.49657	20.410
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.670	51.077	.49190	20.214	.48753	.50554	.48161
SDev	.135	.376	.00338	.099	.00424	.00606	.00344
%RSD	.68748	.73628	.68723	.48943	.86903	1.1989	.71489
#1	19.575	50.811	.48951	20.144	.48453	.50125	.47917
#2	19.766	51.343	.49429	20.284	.49052	.50982	.48404
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50161	.47553	.48022	.48906	.48961	.49723	.49292
SDev	.00384	.00316	.00493	.00034	.00004	.00592	.00260
%RSD	.76524	.66380	1.0264	.06941	.00854	1.1908	.52740
#1	.49889	.47330	.47674	.48930	.48958	.49304	.49108
#2	.50432	.47776	.48371	.48882	.48964	.50142	.49476
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0140	2.3518	.49847	.49257	.50602	9.905
SDev	.0051	.0046	.00335	.00487	.00304	.092
%RSD	.50392	.19522	.67315	.98761	.60050	.9280
#1	1.0104	2.3486	.49610	.48913	.50387	9.840
#2	1.0176	2.3551	.50085	.49601	.50817	9.970
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/22/06 13:15:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00242	.00178	-.00378	-.00001	-.00023	.05492	.00033
SDev	.00134	.00096	.00576	.00165	.00271	.01860	.00049
%RSD	55.263	53.914	152.40	11086.	1197.3	33.868	147.70
#1	-.00337	.00246	-.00785	.00115	.00169	.06807	.00068
#2	-.00147	.00110	.00029	-.00118	-.00214	.04176	-.00001
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00038	.04096	-.00007	-.00021	.00015	-.00029	.02660
SDev	.00019	.01538	.00073	.00205	.00184	.00167	.03636
%RSD	49.209	37.557	1010.3	966.16	1248.2	582.56	136.70
#1	.00051	.05184	.00044	.00124	.00145	.00090	.05231
#2	.00025	.03009	-.00059	-.00166	-.00115	-.00147	.00089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.17060	.02531	.00092	.16783	.00012	-.00245	.00042
SDev	.11257	.03142	.00040	.00739	.00187	.00611	.00183
%RSD	65.984	124.11	43.555	4.4001	1506.4	249.10	433.92
#1	.25019	.04753	.00120	.17305	.00145	.00187	.00172
#2	.09100	.00310	.00064	.16261	-.00120	-.00678	-.00087
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00360	.00089	.00038	-.00127	.00003	.00313	.00073
SDev	.00105	.00319	.00019	.00082	.00123	.00019	.00153
%RSD	29.289	360.55	51.065	64.382	3784.3	6.2402	208.68
#1	.00434	.00314	.00052	-.00185	.00090	.00299	.00181
#2	.00285	-.00137	.00024	-.00069	-.00083	.00327	-.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00130	.01308	-.00033	.00214	.00030	-.0073
SDev	.00287	.01259	.00222	.00270	.00027	.0818
%RSD	219.81	96.236	664.93	126.21	90.461	1114.
#1	.00333	.02198	.00124	.00405	.00050	.0505
#2	-.00072	.00418	-.00190	.00023	.00011	-.0652
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: 0608111-~~1L 5X~~ -2 Operator: SW
Run Time: 08/22/06 13:17:45 SW 8/22/06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00178	-.00045	.01252	-.00432	.00083	.02913	.07368
SDev	.00971	.00411	.00790	.00414	.00169	.00837	.00075
%RSD	545.41	918.36	63.103	95.950	203.15	28.740	1.0176
#1	.00509	-.00335	.01811	-.00725	-.00036	.02321	.07315
#2	-.00865	.00246	.00693	-.00139	.00203	.03504	.07421
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00020	46.758	-.00038	.00078	.00465	.00000	.27687
SDev	.00000	.451	.00040	.00119	.00145	.00039	.00233
%RSD	.13051	.96551	106.86	151.60	31.169	61516.	.84195
#1	.00020	46.439	-.00066	-.00006	.00362	.00028	.27522
#2	.00020	47.078	-.00009	.00162	.00567	-.00027	.27851
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	12.372	6.9617	.00798	H189.97	.00124	-.00384	.00720
SDev	.109	.0844	.00022	13.80	.00067	.00464	.00123
%RSD	.87888	1.2129	2.7229	7.2648	54.010	120.75	17.013
#1	12.296	6.9020	.00783	H180.21	.00077	-.00713	.00634
#2	12.449	7.0214	.00813	H199.73	.00172	-.00056	.00807
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00152	.00342	-.00089	.00129	.00744	.20479	.00090
SDev	.00055	.00386	.00049	.00013	.00406	.00338	.00002
%RSD	36.447	112.85	55.243	10.399	54.595	1.6516	1.6931
#1	-.00191	.00069	-.00054	.00119	.01032	.20240	.00089
#2	-.00112	.00614	-.00124	.00138	.00457	.20719	.00091
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.42083	12.552	.00474	.02740	1.6251	.0220
SDev	.00620	.156	.00074	.00180	.0135	.0484
%RSD	1.4746	1.2408	15.550	6.5571	.83227	220.4
#1	.41644	12.442	.00526	.02613	1.6155	-.0123
#2	.42522	12.663	.00422	.02867	1.6347	.0562
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608111-~~1MS~~ Operator: SW
Run Time: 08/22/06 13:20:00 -3 SW 8/22/06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.00071	-.00272	.01539	-.01005	-.00006	.02025	.08995
SDev	.00979	.00463	.01065	.00728	.00014	.00044	.00011
%RSD	1377.3	170.11	69.192	72.421	229.12	2.1547	.11933
#1	-.00621	.00055	.00786	-.00490	-.00016	.01994	.09003
#2	.00763	-.00599	.02292	-.01519	.00004	.02055	.08988
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00019	36.845	-.00070	.00004	.00578	.00025	.04225
SDev	.00001	.112	.00003	.00012	.00018	.00142	.02103
%RSD	6.1394	.30409	3.9909	302.84	3.2053	564.86	49.777
#1	.00018	36.765	-.00068	-.00004	.00565	-.00075	.02738
#2	.00020	36.924	-.00072	.00012	.00591	.00125	.05712
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.843	5.0094	.00377	H128.41	.00022	-.00673	.00832
SDev	.028	.0231	.00003	.09	.00005	.00057	.00037
%RSD	.25910	.46063	.67243	.07079	23.182	8.4755	4.4382
#1	10.823	4.9931	.00375	H128.35	.00026	-.00713	.00806
#2	10.863	5.0257	.00379	H128.48	.00019	-.00632	.00858
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00045	.00767	-.00158	-.00158	.00572	.16284	.00072
SDev	.00005	.00151	.00017	.00131	.00221	.00010	.00124
%RSD	11.254	19.727	10.970	82.930	38.702	.06114	172.68
#1	-.00049	.00660	-.00170	-.00065	.00416	.16277	-.00016
#2	-.00041	.00874	-.00145	-.00250	.00729	.16291	.00160
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.35274	17.589	.00526	.03197	.89963	-.0092
SDev	.00038	.011	.00251	.00242	.00102	.0063
%RSD	.10816	.06235	47.792	7.5596	.11290	68.72

#1	.35247	17.581	.00348	.03026	.90035	-.0137
#2	.35301	17.597	.00704	.03368	.89891	-.0047
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608111~~-1MSD~~ Operator: SW
Run Time: 08/22/06 13:22:15 -3L 5X
Comment: SW 4/22/06
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00225	-.00170	.01280	-.01372	-.00028	.01556	.01798
SDev	.00285	.00305	.00846	.00008	.00108	.00360	.00018
%RSD	127.09	179.74	66.113	.57113	386.53	23.127	.97797
#1	.00023	.00046	.00681	-.01378	.00049	.01810	.01811
#2	.00426	-.00385	.01878	-.01367	-.00105	.01301	.01786
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00016	7.1519	-.00047	.00008	.00056	-.00000	.01459
SDev	.00001	.0090	.00028	.00066	.00081	.00009	.00354
%RSD	7.2895	.12585	58.578	823.31	144.34	16501.	24.245
#1	.00016	7.1583	-.00028	.00055	.00114	-.00006	.01209
#2	.00015	7.1455	-.00066	-.00039	-.00001	.00006	.01710
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.1683	1.0111	.00069	23.339	.00009	-.00520	.00095
SDev	.0006	.0071	.00010	.226	.00089	.00117	.00084
%RSD	.02885	.69808	14.486	.96808	1011.3	22.505	88.262
#1	2.1687	1.0161	.00076	23.179	.00072	-.00437	.00155
#2	2.1678	1.0061	.00062	23.499	-.00054	-.00602	.00036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00105	-.00020	-.00038	-.00489	.01149	.03304	.00022
SDev	.00040	.00040	.00108	.00287	.00093	.00008	.00011
%RSD	38.110	200.08	282.52	58.665	8.0764	.23385	48.502

#1	-.00077	.00008	.00038	-.00692	.01084	.03309	.00029
#2	-.00134	-.00048	-.00115	-.00286	.01215	.03298	.00014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07172	3.6632	.00297	.00645	.18388	-.0196
SDev	.00137	.0185	.00097	.00014	.00022	.0401
%RSD	1.9071	.50577	32.626	2.1951	.11904	204.9
#1	.07269	3.6501	.00365	.00655	.18373	.0088
#2	.07075	3.6763	.00228	.00635	.18404	-.0479
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608111-2 -3MS Operator: SW
Run Time: 08/22/06 13:24:30
Comment: SW 8/22/06
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50954	.50507	2.2373	2.3026	-.00033	1.6768	2.0336
SDev	.00599	.00673	.0091	.0202	.00113	.0071	.0103
%RSD	1.1754	1.3328	.40564	.87872	342.86	.42321	.50827
#1	.51377	.50031	2.2309	2.2883	-.00113	1.6717	2.0263
#2	.50530	.50983	2.2438	2.3169	.00047	1.6818	2.0409
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04984	76.313	.04926	.50337	.20187	.24243	.88478
SDev	.00010	.088	.00011	.00188	.00158	.00061	.00078
%RSD	.19469	.11475	.23145	.37264	.78424	.25326	.08841
#1	.04977	76.251	.04918	.50204	.20075	.24199	.88422
#2	.04991	76.374	.04934	.50470	.20299	.24286	.88533
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	52.447	45.053	.49479	C.00000	.49930	.50797	.49337
SDev	.249	.066	.00138	.00000	.00189	.00824	.00487
%RSD	.47505	.14665	.27817	.00000	.37956	1.6226	.98637

#1	52.271	45.007	.49382	C.00000	.49796	.50214	.48993
#2	52.623	45.100	.49577	C.00000	.50064	.51379	.49681
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.52986	2.0704	.50656	2.2809	2.0479	.69691	.48290
SDev	.00066	.0023	.00250	.0165	.0164	.00971	.00289
%RSD	.12423	.11237	.49269	.72419	.80095	1.3936	.59855
#1	.52940	2.0688	.50479	2.2692	2.0363	.69005	.48086
#2	.53033	2.0721	.50832	2.2925	2.0595	.70378	.48495
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.4062	18.685	.50471	.85466	1.3377	.0047
SDev	.0079	.050	.00324	.03487	.0063	.0263
%RSD	.56469	.26791	.64250	4.0794	.46905	555.1
#1	1.4006	18.650	.50242	.83000	1.3332	-.0138
#2	1.4118	18.721	.50701	.87931	1.3421	.0233
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608111-~~9~~ -3 MSD Operator: SW
Run Time: 08/22/06 13:26:46 SW 8/22/06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.51290	.51500	2.2813	2.3238	.00087	1.7065	2.0475
SDev	.00217	.00103	.0507	.0230	.00247	.0047	.0047
%RSD	.42318	.19919	2.2209	.99100	284.03	.27470	.22842
#1	.51444	.51572	2.3171	2.3401	.00261	1.7098	2.0442
#2	.51137	.51427	2.2455	2.3075	-.00088	1.7032	2.0508
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05081	77.325	.05059	.51388	.20644	.24496	.91001
SDev	.00012	.201	.00060	.00188	.00185	.00056	.02937
%RSD	.24203	.25958	1.1903	.36566	.89622	.22878	3.2276

#1	.05090	77.467	.05101	.51521	.20775	.24536	.93078
#2	.05072	77.183	.05016	.51255	.20514	.24456	.88924
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	52.940	46.067	.50327	C.00000	.50901	.52138	.50335
SDev	.180	.100	.00080	.00000	.00164	.00039	.00142
%RSD	.34048	.21630	.15935	.00000	.32164	.07477	.28156
#1	52.812	46.138	.50384	C.00000	.51017	.52111	.50235
#2	53.067	45.997	.50270	C.00000	.50785	.52166	.50435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.54484	2.0985	.51430	2.3096	2.0861	.71066	.49065
SDev	.00354	.0008	.00141	.0322	.0176	.01616	.00020
%RSD	.64977	.03619	.27356	1.3955	.84249	2.2742	.04096
#1	.54735	2.0990	.51530	2.3324	2.0986	.72209	.49079
#2	.54234	2.0979	.51331	2.2869	2.0737	.69923	.49051
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.4192	18.596	.51880	.88417	1.3314	.0307
SDev	.0002	.016	.00011	.02618	.0023	.0646
%RSD	.01405	.08606	.02172	2.9613	.17618	210.5
#1	1.4191	18.584	.51888	.86566	1.3297	.0764
#2	1.4194	18.607	.51872	.90268	1.3330	-.0150
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608111-4 Operator: SW
Run Time: 08/22/06 13:29:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00143	.00106	.01692	-.00244	-.00192	.01340	.02815
SDev	.00338	.00069	.00365	.00356	.00150	.00244	.00065
%RSD	237.11	65.462	21.589	146.37	78.470	18.195	2.3228

#1	.00096	.00057	.01950	.00009	-.00298	.01167	.02861
#2	-.00382	.00155	.01433	-.00496	-.00085	.01512	.02768
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00018	13.154	-.00086	-.00097	.00132	-.00143	.24773
SDev	.00002	.064	.00008	.00093	.00081	.00044	.01515
%RSD	12.729	.48852	9.2695	95.874	61.743	31.101	6.1170
#1	.00016	13.199	-.00091	-.00164	.00074	-.00174	.23702
#2	.00020	13.108	-.00080	-.00031	.00189	-.00111	.25845
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.829	.75797	.01125	C.00000	-.00045	-.01117	.00501
SDev	.266	.00262	.00003	.00000	.00082	.00578	.00122
%RSD	1.5826	.34591	.22804	.00000	184.56	51.715	24.278
#1	17.017	.75982	.01127	C.00000	-.00103	-.01525	.00415
#2	16.641	.75611	.01123	C.00000	.00014	-.00708	.00587
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00223	.00664	.00023	.00401	.00883	.28306	-.00037
SDev	.00045	.00115	.00066	.00359	.00148	.00320	.00032
%RSD	20.306	17.302	287.36	89.645	16.761	1.1293	86.688
#1	-.00255	.00583	.00070	.00655	.00779	.28080	-.00060
#2	-.00191	.00745	-.00024	.00147	.00988	.28532	-.00014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.59479	16.010	.00510	.06007	.32981	-.0606
SDev	.00597	.247	.00097	.00052	.00560	.0350
%RSD	1.0042	1.5397	19.009	.86712	1.6966	57.80
#1	.59901	16.185	.00441	.05970	.33377	-.0853
#2	.59057	15.836	.00578	.06044	.32585	-.0358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00

Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608104-1 2X Operator: SW
Run Time: 08/22/06 13:31:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00512	-.00188	.02323	-.00842	-.00144	.01533	.00689
SDev	.00046	.00027	.00683	.00000	.00025	.00284	.00003
%RSD	8.9264	14.341	29.392	.03145	17.304	18.563	.50582
#1	.00544	-.00207	.02806	-.00842	-.00126	.01734	.00691
#2	.00480	-.00169	.01840	-.00841	-.00161	.01332	.00686
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00071	299.13	-.00148	.04555	-.00094	-.00333	67.688
SDev	.00002	3.57	.00001	.00052	.00060	.00068	.879
%RSD	3.3139	1.1945	.39084	1.1335	63.447	20.538	1.2980
#1	.00069	296.60	-.00147	.04518	-.00052	-.00285	67.067
#2	.00073	301.65	-.00148	.04591	-.00137	-.00381	68.309
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.5260	126.46	4.5272	90.071	.06901	-.00276	.00078
SDev	.0867	1.75	.0563	.590	.00077	.00064	.00012
%RSD	.91037	1.3839	1.2436	.65559	1.1202	23.135	15.911
#1	9.4647	125.22	4.4873	89.654	.06846	-.00231	.00087
#2	9.5873	127.69	4.5670	90.489	.06956	-.00321	.00069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00368	.00265	.00045	.00212	.00489	.05437	.00201
SDev	.00030	.00006	.00003	.00227	.00055	.00029	.00049
%RSD	8.1899	2.1376	5.9978	107.02	11.249	.54138	24.432
#1	-.00347	.00261	.00043	.00373	.00528	.05416	.00236
#2	-.00389	.00269	.00047	.00052	.00450	.05458	.00166
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000

Low	-.04000	-.02000	-.00600	-.01000	-.02000	-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04927	3.2344	.00928	.00860	5.5035	-.0346
SDev	.00033	.0235	.00170	.00140	.0660	.0172
%RSD	.67343	.72778	18.334	16.331	1.1996	49.85
#1	.04903	3.2178	.01049	.00959	5.4568	-.0224
#2	.04950	3.2511	.00808	.00760	5.5502	-.0468
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608104-1L 10X Operator: SW
Run Time: 08/22/06 13:33:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00476	-.00270	.01508	-.00521	.00084	.02206	.00158
SDev	.01288	.00666	.01665	.00800	.00046	.00318	.00005
%RSD	270.52	246.84	110.44	153.54	55.033	14.440	3.2503
#1	-.00435	.00201	.00330	.00045	.00051	.01981	.00155
#2	.01387	-.00741	.02685	-.01086	.00116	.02431	.00162
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00037	58.022	-.00044	.01060	.00042	.00025	13.252
SDev	.00003	.117	.00008	.00016	.00042	.00243	.006
%RSD	9.4326	.20098	18.061	1.4747	97.902	957.32	.04507
#1	.00035	57.939	-.00050	.01049	.00013	-.00147	13.247
#2	.00039	58.104	-.00039	.01071	.00072	.00197	13.256
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.0186	25.318	.94838	17.002	.01535	.00379	.00104
SDev	.0820	.102	.00434	.075	.00029	.00296	.00048
%RSD	4.0628	.40434	.45806	.44065	1.9013	78.135	46.213
#1	1.9606	25.246	.95146	17.055	.01515	.00170	.00070
#2	2.0766	25.390	.94531	16.949	.01556	.00588	.00139
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000

Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00038	.00057	-.00021	.00155	.00216	.01389	.00147
SDev	.00035	.00030	.00015	.00021	.00363	.00000	.00183
%RSD	93.246	51.779	71.128	13.591	168.20	.00000	124.76
#1	.00013	.00036	-.00011	.00140	-.00041	.01389	.00017
#2	.00062	.00078	-.00032	.00169	.00473	.01389	.00276
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01147	.66831	.00463	.00646	1.1495	.0281
SDev	.00115	.00666	.00308	.00217	.0188	.0186
%RSD	10.018	.99609	66.614	33.526	1.6361	66.16
#1	.01066	.67302	.00245	.00493	1.1628	.0149
#2	.01228	.66361	.00681	.00800	1.1362	.0412
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608104-1MS 2X Operator: SW
Run Time: 08/22/06 13:35:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.46831	.47347	.48580	.49855	-.00022	.02148	.00668
SDev	.00337	.00073	.00252	.00614	.00034	.00108	.00002
%RSD	.71924	.15363	.51818	1.2319	156.92	5.0123	.26076
#1	.46593	.47398	.48758	.50289	.00002	.02072	.00669
#2	.47069	.47296	.48402	.49421	-.00046	.02225	.00667
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.46210	295.90	.46686	.52012	.46895	.45629	66.636
SDev	.00331	2.21	.00333	.00412	.00302	.00169	.454
%RSD	.71555	.74775	.71278	.79189	.64461	.37122	.68171
#1	.45977	294.34	.46450	.51721	.46681	.45509	66.315
#2	.46444	297.47	.46921	.52303	.47109	.45749	66.957
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00

Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.2230	125.16	4.8879	87.212	.54397	.49226	.45485
SDev	.0401	.87	.0363	.354	.00281	.00341	.00355
%RSD	.43480	.69692	.74231	.40615	.51670	.69302	.77993
#1	9.1947	124.54	4.8622	86.962	.54198	.48984	.45234
#2	9.2514	125.78	4.9136	87.463	.54595	.49467	.45736
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49206	.47350	.47175	.49430	.46859	.05325	.45327
SDev	.00399	.00059	.00064	.00494	.00467	.00018	.00310
%RSD	.81062	.12354	.13492	.99836	.99682	.34618	.68398
#1	.48924	.47392	.47130	.49779	.46529	.05338	.45108
#2	.49488	.47309	.47220	.49081	.47189	.05312	.45546
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04771	3.1095	.00257	.45925	5.2538	.0014
SDev	.00023	.0093	.00134	.00750	.0282	.0109
%RSD	.47980	.29815	52.068	1.6326	.53612	764.3
#1	.04754	3.1029	.00352	.45395	5.2339	.0091
#2	.04787	3.1160	.00162	.46455	5.2737	-.0063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608104-1MSD 2X Operator: SW
Run Time: 08/22/06 13:38:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48861	.47581	.49651	.49840	-.00241	.01666	.00632
SDev	.00467	.00107	.00014	.00316	.00036	.00161	.00010
%RSD	.95608	.22531	.02812	.63349	14.807	9.6647	1.6520
#1	.48530	.47505	.49641	.49616	-.00216	.01780	.00639
#2	.49191	.47657	.49661	.50063	-.00266	.01552	.00625
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000

Low					-.02000	-.40000	-.20000
Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.46741	301.84	.47468	.52534	.47304	.45444	67.530
SDev	.00148	1.19	.00199	.00032	.00127	.00196	.256
%RSD	.31601	.39549	.41974	.06080	.26807	.43188	.37859
#1	.46637	301.00	.47327	.52557	.47215	.45305	67.350
#2	.46846	302.69	.47609	.52511	.47394	.45583	67.711
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.2924	127.96	4.9391	87.643	.55121	.49173	.45583
SDev	.0286	.47	.0173	.278	.00244	.00386	.00089
%RSD	.30725	.36798	.34950	.31678	.44332	.78583	.19577
#1	9.2722	127.63	4.9269	87.447	.54949	.49446	.45520
#2	9.3126	128.29	4.9513	87.839	.55294	.48900	.45646
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50527	.47588	.48007	.49777	.46997	.05325	.45481
SDev	.00227	.00055	.00227	.00215	.00341	.00055	.00184
%RSD	.44989	.11557	.47298	.43241	.72502	1.0385	.40514
#1	.50366	.47627	.47847	.49625	.46756	.05364	.45351
#2	.50688	.47549	.48168	.49929	.47238	.05286	.45611
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04611	3.1254	.00358	.46355	5.2244	-.0487
SDev	.00065	.0032	.00016	.00775	.0115	.0184
%RSD	1.4152	.10395	4.4757	1.6717	.22036	37.69
#1	.04657	3.1231	.00370	.45807	5.2162	-.0357
#2	.04565	3.1277	.00347	.46902	5.2325	-.0617
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/22/06 13:40:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50736	.49126	.47074	.48648	.47885	49.138	.45573
SDev	.00013	.00134	.00935	.00847	.00098	.061	.00164
%RSD	.02500	.27192	1.9869	1.7421	.20414	.12488	.36081
#1	.50727	.49032	.47736	.48049	.47954	49.181	.45457
#2	.50745	.49220	.46413	.49248	.47815	49.094	.45689
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49394	52.583	.49636	.49341	.50066	.47017	20.561
SDev	.00095	.337	.00199	.00098	.00277	.00085	.056
%RSD	.19185	.64109	.40119	.19771	.55380	.18180	.27317
#1	.49461	52.821	.49777	.49410	.50262	.46956	20.601
#2	.49327	52.345	.49495	.49272	.49870	.47077	20.521
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.459	53.292	.49252	20.060	.49607	.49795	.47589
SDev	.001	.244	.00216	.048	.00282	.00570	.00088
%RSD	.00291	.45837	.43950	.23896	.56908	1.1440	.18518
#1	19.459	53.465	.49405	20.094	.49807	.50198	.47652
#2	19.459	53.119	.49099	20.026	.49408	.49392	.47527
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.53465	.47603	.49662	.48124	.48337	.48687	.47817
SDev	.00298	.00092	.00093	.00254	.00699	.00672	.00012
%RSD	.55790	.19349	.18792	.52746	1.4466	1.3801	.02587
#1	.53676	.47668	.49596	.47945	.48831	.49163	.47826
#2	.53254	.47538	.49728	.48304	.47842	.48212	.47808
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98790	2.2791	.51307	.49339	.47619	9.174
SDev	.00186	.0140	.00114	.00077	.00038	.011
%RSD	.18782	.61579	.22181	.15542	.07941	.1194
#1	.98921	2.2890	.51388	.49285	.47645	9.167
#2	.98659	2.2691	.51227	.49393	.47592	9.182
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Analysis Report Blank Sample 08/22/06 01:45:20 PM page 1

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/22/06 13:43:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00381	-.00178	.00506	-.00432	-.00023	.03515	.00013
SDev	.00142	.00108	.00182	.00322	.00025	.00159	.00000
%RSD	37.184	60.620	36.018	74.363	108.76	4.5260	.00000
#1	.00481	-.00254	.00635	-.00205	-.00040	.03627	.00013
#2	.00281	-.00102	.00377	-.00660	-.00005	.03402	.00013
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00016	.02951	-.00017	.00024	.00005	.00069	.02907
SDev	.00005	.00530	.00002	.00050	.00023	.00007	.00460
%RSD	28.084	17.955	11.873	205.93	478.50	10.015	15.817
#1	.00020	.03326	-.00015	-.00011	-.00012	.00074	.03233
#2	.00013	.02577	-.00018	.00059	.00021	.00064	.02582
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05374	.00709	.00074	.15835	.00017	-.00012	.00020
SDev	.01895	.00277	.00003	.00035	.00009	.00154	.00023
%RSD	35.272	38.989	3.3657	.22355	49.092	1267.4	116.76
#1	.04033	.00905	.00076	.15860	.00023	-.00121	.00036
#2	.06714	.00514	.00072	.15810	.00011	.00097	.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00330	-.00071	.00008	-.00120	.00184	.00247	.00081
SDev	.00000	.00176	.00025	.00275	.00027	.00005	.00008
%RSD	.00081	248.43	294.73	229.32	14.924	2.0271	9.5606
#1	.00330	.00053	-.00009	.00075	.00164	.00250	.00087
#2	.00330	-.00195	.00026	-.00315	.00203	.00243	.00076
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00063	.01139	.00159	.00403	.00044	-.0013
SDev	.00030	.00929	.00195	.00025	.00007	.0058
%RSD	47.450	81.571	122.63	6.2596	16.818	431.6
#1	.00084	.01797	.00021	.00420	.00050	-.0054
#2	.00042	.00482	.00297	.00385	.00039	.0027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: 0608104-2 2X Operator: SW
Run Time: 08/22/06 13:45:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00358	-.00289	.01969	-.00442	.00021	.01952	.01078
SDev	.00449	.00183	.00166	.00174	.00139	.00293	.00005
%RSD	125.54	63.459	8.4319	39.451	662.50	15.027	.48710
#1	.00675	-.00419	.01852	-.00565	-.00077	.01744	.01074
#2	.00040	-.00159	.02087	-.00319	.00119	.02159	.01081
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00029	290.04	-.00032	.00034	.00001	.00109	.02428
SDev	.00001	1.35	.00011	.00097	.00096	.00034	.00532
%RSD	3.9673	.46659	35.685	283.73	13932.	31.297	21.923
#1	.00028	289.09	-.00040	-.00034	-.00067	.00085	.02051
#2	.00030	291.00	-.00024	.00102	.00069	.00133	.02804
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	12.743	88.103	.08310	H127.35	.00985	-.00477	.00061
SDev	.113	.146	.00009	1.85	.00088	.00489	.00108
%RSD	.88609	.16562	.11026	1.4560	8.8920	102.63	176.61
#1	12.823	88.000	.08304	H128.67	.00924	-.00822	-.00015
#2	12.664	88.207	.08317	H126.04	.01047	-.00131	.00137
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00151	.00066	-.00074	.00361	.00355	.01657	.00226
SDev	.00072	.00077	.00027	.00172	.00034	.00004	.00031
%RSD	47.706	116.26	37.090	47.554	9.5512	.24952	13.812
#1	.00100	.00012	-.00054	.00240	.00379	.01654	.00204
#2	.00202	.00121	-.00093	.00482	.00331	.01660	.00248
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05901	5.7515	.00644	.00160	1.1940	-.0006
SDev	.00068	.0625	.00085	.00090	.0088	.0433
%RSD	1.1613	1.0867	13.144	56.529	.74038	7084.
#1	.05852	5.7957	.00584	.00096	1.2002	-.0312
#2	.05949	5.7074	.00704	.00224	1.1877	.0300
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608104-3 2X Operator: SW
Run Time: 08/22/06 13:47:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00022	-.00140	.01232	-.00295	-.00068	.01627	.01034
SDev	.00313	.00084	.00430	.00415	.00055	.00256	.00017
%RSD	1406.4	60.329	34.916	140.47	80.610	15.747	1.6909
#1	.00243	-.00199	.01536	-.00002	-.00106	.01446	.01022
#2	-.00199	-.00080	.00927	-.00588	-.00029	.01809	.01047
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00037	294.79	-.00046	.00024	-.00049	.00003	.01171
SDev	.00001	1.51	.00017	.00065	.00019	.00017	.00483
%RSD	3.1724	.51084	37.573	277.85	37.522	674.98	41.263
#1	.00038	293.72	-.00059	-.00023	-.00062	.00015	.01512
#2	.00036	295.85	-.00034	.00070	-.00036	-.00010	.00829
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	12.609	88.967	.09485	H126.81	.00925	-.00647	-.00042
SDev	.209	.666	.00056	3.34	.00012	.00071	.00038
%RSD	1.6559	.74863	.59426	2.6369	1.3079	10.952	90.918
#1	12.461	88.496	.09445	H124.44	.00916	-.00597	-.00069
#2	12.757	89.438	.09525	H129.17	.00933	-.00697	-.00015
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00138	.00188	-.00086	.00213	.00537	.01681	.00173
SDev	.00009	.00046	.00048	.00420	.00132	.00012	.00006
%RSD	6.5095	24.492	55.919	196.81	24.605	.73714	3.4807
#1	.00132	.00220	-.00052	.00510	.00631	.01689	.00178
#2	.00144	.00155	-.00120	-.00084	.00444	.01672	.00169
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05673	5.6479	.00509	.00078	1.1730	-.0245
SDev	.00071	.0683	.00089	.00050	.0113	.0123
%RSD	1.2486	1.2098	17.568	64.282	.96395	50.43
#1	.05623	5.5996	.00573	.00114	1.1650	-.0332
#2	.05723	5.6962	.00446	.00043	1.1810	-.0157
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608104-4 3X Operator: SW
Run Time: 08/22/06 13:49:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00111	.00014	.00092	.02324	-.00613	83.050	.00563
SDev	.00641	.00314	.00261	.00007	.00214	.462	.00017
%RSD	575.45	2226.2	283.13	.30024	34.943	.55604	3.0864
#1	.00565	-.00208	.00277	.02319	-.00764	83.376	.00551
#2	-.00342	.00236	-.00092	.02328	-.00461	82.723	.00575
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.10878	135.79	-.00964	.44881	.07660	-.01324	H474.07
SDev	.00043	.94	.00012	.00293	.00145	.00006	2.43
%RSD	.39790	.69508	1.1976	.65259	1.8973	.45568	.51359
#1	.10848	135.12	-.00972	.44674	.07557	-.01320	H472.35
#2	.10909	136.45	-.00956	.45088	.07763	-.01328	H475.79
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.5506	286.46	H15.927	H104.76	1.1695	.01282	.01309
SDev	.0203	2.22	.090	.09	.0053	.00618	.00086
%RSD	.23695	.77424	.56683	.08875	.45376	48.244	6.6080
#1	8.5650	284.89	H15.864	H104.83	1.1658	.00845	.01247
#2	8.5363	288.03	H15.991	H104.69	1.1733	.01719	.01370
Errors	LC Pass	LC Pass	LC High	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.24323	.00788	.00046	.01581	.00298	.52755	.00105
SDev	.00418	.00469	.00004	.00082	.00089	.00442	.00004
%RSD	1.7195	59.555	9.2362	5.2067	29.926	.83719	3.8355
#1	.24028	.00456	.00050	.01639	.00235	.52443	.00102
#2	.24619	.01120	.00043	.01522	.00361	.53068	.00107
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01855	6.4105	.00678	-.00298	3.5276	-.0035
SDev	.00136	.0316	.00085	.00024	.0213	.0512
%RSD	7.3473	.49324	12.460	7.9032	.60336	1457.
#1	.01759	6.4328	.00619	-.00282	3.5427	-.0397
#2	.01952	6.3881	.00738	-.00315	3.5126	.0327
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608104-~~5~~ 7 3X Operator: SW
Run Time: 08/22/06 13:52:10 SW 8/23/06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	-.00219	-.00052	.00508	-.00112	.00003	.07470	.00287
SDev	.00301	.00162	.00271	.00029	.00008	.02312	.00002
%RSD	137.09	310.22	53.317	25.446	292.48	30.951	.60059
#1	-.00432	.00062	.00700	-.00132	-.00003	.09105	.00289
#2	-.00007	-.00167	.00317	-.00092	.00008	.05835	.00286
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00030	1.8419	-.00034	.00075	-.00001	-.00080	.27466
SDev	.00000	.0405	.00009	.00038	.00015	.00026	.10621
%RSD	.00832	2.1986	25.865	50.580	1034.3	33.009	38.671
#1	.00030	1.8705	-.00028	.00048	-.00012	-.00099	.34976
#2	.00030	1.8132	-.00040	.00102	.00009	-.00061	.19956
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.6206	2.2665	.01883	36.504	.00068	-.00342	.00028
SDev	.0548	.0823	.00548	.176	.00019	.00099	.00012
%RSD	3.3829	3.6324	29.099	.48173	27.534	29.040	42.102
#1	1.5819	2.3247	.02270	36.628	.00082	-.00412	.00019
#2	1.6594	2.2083	.01495	36.379	.00055	-.00272	.00036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00155	.00029	-.00108	.00094	.00294	.00965	-.00035
SDev	.00010	.00154	.00008	.00071	.00039	.00009	.00029
%RSD	6.4658	535.44	7.4305	75.367	13.251	.90421	83.749
#1	-.00148	.00138	-.00102	.00145	.00267	.00971	-.00055
#2	-.00162	-.00080	-.00114	.00044	.00322	.00959	-.00014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01438	.27046	.00127	.00079	.12498	-.0042
SDev	.00090	.01146	.00183	.00051	.00245	.0014
%RSD	6.2811	4.2378	143.47	64.317	1.9611	34.15

#1	.01374	.27856	-.00002	.00115	.12672	-.0032
#2	.01502	.26235	.00256	.00043	.12325	-.0052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608104-~~6~~ 5 3X Operator: SW
Run Time: 08/22/06 13:54:26 SW 8/23/06
Comment:
Mode: CONC Corr. Factor: 1.

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00807	.00471	.00253	.01750	-.00052	27.139	.00486
SDev	.00565	.00258	.00558	.00542	.00103	.207	.00002
%RSD	70.060	54.802	220.45	30.965	199.90	.76273	.35727
#1	-.01206	.00653	-.00141	.01367	.00021	26.993	.00487
#2	-.00407	.00288	.00647	.02133	-.00125	27.285	.00485
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01833	132.33	-.00699	.10149	.01125	-.01254	H345.23
SDev	.00016	1.19	.00016	.00036	.00069	.00031	3.59
%RSD	.86065	.90109	2.3156	.35565	6.1066	2.4574	1.0404
#1	.01822	131.49	-.00688	.10123	.01173	-.01275	H342.69
#2	.01845	133.17	-.00710	.10174	.01076	-.01232	H347.77
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.0996	118.42	8.6540	H131.34	.31320	.01010	.03496
SDev	.0710	1.13	.0827	.89	.00174	.00137	.00013
%RSD	.78037	.95456	.95553	.67715	.55442	13.566	.36352
#1	9.0494	117.62	8.5955	H130.71	.31197	.01107	.03505
#2	9.1498	119.22	8.7124	H131.96	.31443	.00913	.03487
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01516	.00763	.00045	.01251	.00162	.15955	.00118
SDev	.00009	.00055	.00016	.00547	.00336	.00063	.00035
%RSD	.62077	7.1913	35.305	43.719	207.63	.39595	29.526

#1	.01523	.00724	.00034	.00864	-.00076	.15999	.00094
#2	.01509	.00802	.00057	.01638	.00399	.15910	.00143
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05590	2.2299	.00824	-.00206	2.1118	.0760
SDev	.00016	.0072	.00008	.00050	.0218	.0207
%RSD	.28615	.32120	.95175	24.367	1.0329	27.26
#1	.05579	2.2248	.00829	-.00241	2.0963	.0906
#2	.05602	2.2349	.00818	-.00170	2.1272	.0613
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

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Method: 30EL Sample Name: 0608104-7/6 3X Operator: SW
Run Time: 08/22/06 14:01:13 SW 8/23/06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.02756	.00607	.00042	.09122	-.00540	233.56	.00220
SDev	.00342	.00246	.00278	.00367	.00081	3.15	.00007
%RSD	12.422	40.596	655.24	4.0215	15.039	1.3481	3.1250
#1	-.02514	.00432	-.00154	.08863	-.00483	231.33	.00225
#2	-.02998	.00781	.00239	.09382	-.00598	235.78	.00216
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04238	122.94	L-.01175	.51907	.12000	.06297	H921.28
SDev	.00015	.28	.00026	.00232	.00017	.00119	6.93
%RSD	.34110	.22943	2.2239	.44775	.13848	1.8878	.75265
#1	.04227	122.74	L-.01193	.51743	.11988	.06213	H916.38
#2	.04248	123.14	L-.01156	.52071	.12012	.06381	H926.19
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.4889	287.74	H24.581	H107.17	.99395	.02181	1.7383
SDev	.0144	.93	.095	1.48	.00480	.00101	.0108
%RSD	.96877	.32189	.38719	1.3846	.48294	4.6419	.61948
#1	1.4991	287.09	H24.514	H106.13	.99055	.02109	1.7307
#2	1.4787	288.40	H24.648	H108.22	.99734	.02253	1.7459
Errors	LC Pass	LC Pass	LC High	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.3278	.00887	-.00513	.06099	-.00130	.54017	.00367
SDev	.0067	.00021	.00050	.00337	.00036	.00368	.00029
%RSD	.28769	2.3562	9.7954	5.5314	27.886	.68224	7.9184
#1	2.3325	.00901	-.00549	.05860	-.00155	.53756	.00388
#2	2.3231	.00872	-.00478	.06337	-.00104	.54277	.00347
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00368	16.295	.01112	-.00587	.49729	1.217
SDev	.00068	.166	.00024	.00114	.00613	.000
%RSD	18.509	1.0184	2.1895	19.489	1.2329	.0163
#1	.00416	16.178	.01129	-.00668	.49295	1.217
#2	.00320	16.413	.01095	-.00506	.50162	1.216
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608104-8 Operator: SW
Run Time: 08/22/06 14:05:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01282	-.00770	.04282	-.01664	-.00059	.03363	.00954
SDev	.00186	.00111	.00149	.00180	.00200	.00946	.00005
%RSD	14.514	14.418	3.4751	10.798	339.51	28.143	.54955
#1	.01150	-.00691	.04388	-.01537	-.00200	.02694	.00958
#2	.01413	-.00848	.04177	-.01791	.00082	.04032	.00950
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00058	328.90	-.00072	.00711	-.00060	.00028	18.534
SDev	.00012	8.83	.00023	.00172	.00151	.00162	.253
%RSD	20.247	2.6852	31.311	24.172	253.24	585.14	1.3647
#1	.00049	322.66	-.00088	.00590	-.00166	-.00087	18.355
#2	.00066	335.15	-.00056	.00833	.00047	.00142	18.713
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	12.950	100.79	.95225	64.638	.00096	-.01223	.00042
SDev	.166	2.06	.00563	1.067	.00053	.00780	.00183
%RSD	1.2853	2.0441	.59084	1.6502	55.705	63.761	434.33
#1	13.067	99.336	.94827	65.393	.00058	-.01774	-.00087
#2	12.832	102.25	.95623	63.884	.00134	-.00671	.00171
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00183	.00371	-.00087	.00316	.00877	.05195	.00322
SDev	.00060	.00239	.00012	.00169	.00074	.00011	.00116
%RSD	32.876	64.443	13.943	53.614	8.4250	.21343	35.930
#1	-.00226	.00202	-.00078	.00436	.00825	.05203	.00240
#2	-.00141	.00540	-.00095	.00196	.00929	.05187	.00403
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06939	10.229	.01387	.00187	4.9555	-.0146
SDev	.00163	.164	.00137	.00205	.1120	.0564
%RSD	2.3497	1.6067	9.8880	110.07	2.2608	386.4
#1	.06824	10.345	.01290	.00041	5.0347	-.0545
#2	.07054	10.112	.01484	.00332	4.8763	.0253
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608104-9 3X Operator: SW
Run Time: 08/22/06 14:07:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02666	-.01363	.00299	.00790	-.00526	172.28	.00071
SDev	.01576	.00977	.00929	.00854	.00373	1.12	.00049
%RSD	59.123	71.657	311.05	108.05	70.946	.64846	69.100
#1	.03780	-.02053	.00956	.00187	-.00790	173.07	.00037
#2	.01551	-.00672	-.00358	.01394	-.00262	171.49	.00106
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.07831	133.67	-.00467	.40653	.12335	.00154	H256.14
SDev	.00009	.25	.00039	.00212	.00280	.00009	.39
%RSD	.10946	.18627	8.3984	.52014	2.2674	5.8767	.15372
#1	.07825	133.50	-.00495	.40504	.12137	.00161	H255.86
#2	.07837	133.85	-.00439	.40803	.12533	.00148	H256.42
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.7405	343.82	H25.328	H107.24	.76333	.00609	.23356
SDev	.0233	1.17	.029	.31	.00119	.01035	.00254
%RSD	.49074	.34076	.11464	.29299	.15614	170.10	1.0858
#1	4.7241	343.00	H25.308	H107.47	.76249	-.00123	.23176
#2	4.7570	344.65	H25.349	H107.02	.76417	.01341	.23535
Errors	LC Pass	LC Pass	LC High	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.3137	.01573	-.00021	.00627	-.00252	.15540	.00160
SDev	.0099	.00407	.00126	.00260	.00034	.00383	.00011
%RSD	.75523	25.902	595.41	41.531	13.468	2.4663	6.6589
#1	1.3067	.01285	-.00111	.00443	-.00228	.15269	.00167
#2	1.3207	.01861	.00068	.00811	-.00276	.15811	.00152
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03538	3.3373	.00678	-.00351	3.3475	.0189
SDev	.00215	.0267	.00092	.00055	.0139	.1079
%RSD	6.0671	.80058	13.547	15.573	.41492	570.1
#1	.03386	3.3562	.00613	-.00390	3.3573	-.0574
#2	.03690	3.3184	.00743	-.00313	3.3377	.0953
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

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Method: 30EL Sample Name: 0608104-5 Operator: SW
Run Time: 08/22/06 14:12:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00191	-.00175	.01967	.00105	.00220	.02560	.00843
SDev	.00719	.00294	.00489	.00128	.00127	.00251	.00005
%RSD	375.36	167.51	24.853	121.36	57.806	9.8165	.62126
#1	-.00700	.00032	.01622	.00195	.00310	.02738	.00846
#2	.00317	-.00383	.02313	.00015	.00130	.02382	.00839
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00057	5.5605	.00013	.00190	.00117	.00099	.04475
SDev	.00001	.0425	.00034	.00085	.00047	.00021	.00036
%RSD	2.0303	.76351	271.59	44.675	40.033	21.722	.79382
#1	.00058	5.5305	.00037	.00249	.00150	.00083	.04450
#2	.00056	5.5905	-.00012	.00130	.00084	.00114	.04500
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0277	6.4655	.01497	H125.91	.00208	.00030	.00181
SDev	.0030	.0329	.00003	1.22	.00031	.00596	.00084
%RSD	.05912	.50844	.17182	.97078	14.898	1994.4	46.637
#1	5.0256	6.4423	.01495	H125.05	.00230	.00451	.00240
#2	5.0298	6.4888	.01499	H126.78	.00186	-.00392	.00121
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00066	.00335	-.00181	.00725	.00752	.02256	.00120
SDev	.00045	.00072	.00043	.00078	.00051	.00004	.00014
%RSD	68.130	21.345	23.936	10.722	6.7291	.17780	11.713
#1	-.00034	.00284	-.00211	.00670	.00787	.02253	.00110
#2	-.00098	.00385	-.00150	.00780	.00716	.02259	.00130
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04613	.77028	.00746	.00360	.33967	.0550
SDev	.00024	.00224	.00102	.00088	.00405	.0305
%RSD	.52120	.29083	13.652	24.418	1.1932	55.39
#1	.04596	.77186	.00674	.00298	.33681	.0765
#2	.04630	.76870	.00818	.00422	.34254	.0335
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608111-1 5X Operator: SW
Run Time: 08/22/06 14:15:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00323	.00145	.00036	-.00339	.00019	.01578	.01121
SDev	.00710	.00392	.01101	.00267	.00045	.00128	.00007
%RSD	219.83	271.24	3092.2	78.627	238.36	8.0791	.62463
#1	.00179	-.00133	.00814	-.00528	-.00013	.01488	.01116
#2	-.00825	.00422	-.00743	-.00151	.00051	.01668	.01126
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00049	6.7912	-.00033	.00018	.00086	-.00125	.03049
SDev	.00000	.0462	.00001	.00022	.00050	.00083	.01444
%RSD	.01014	.68064	1.7780	127.43	57.907	66.383	47.381
#1	.00049	6.7585	-.00032	.00002	.00051	-.00066	.04070
#2	.00049	6.8239	-.00033	.00034	.00122	-.00183	.02027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.5583	1.5285	.00274	35.485	-.00020	-.00415	.00138
SDev	.0036	.0129	.00004	.059	.00034	.00081	.00024
%RSD	.10228	.84557	1.3829	.16723	169.39	19.608	17.220
#1	3.5557	1.5194	.00272	35.443	-.00045	-.00472	.00121
#2	3.5609	1.5377	.00277	35.527	.00004	-.00357	.00155
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00141	.00047	-.00011	-.00215	.00213	.05336	-.00051
SDev	.00020	.00128	.00025	.00189	.00235	.00026	.00070
%RSD	14.269	271.07	229.31	87.988	110.28	.48361	136.61
#1	-.00127	-.00043	-.00029	-.00081	.00380	.05317	-.00002
#2	-.00155	.00138	.00007	-.00348	.00047	.05354	-.00100
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15916	2.7464	.00248	.01032	.14649	-.0022
SDev	.00199	.0016	.00134	.00127	.00118	.0047
%RSD	1.2505	.05744	54.063	12.301	.80261	217.9
#1	.15775	2.7453	.00343	.01121	.14566	-.0055
#2	.16057	2.7475	.00153	.00942	.14732	.0012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

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Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/22/06 14:19:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.47668	.46189	.47599	.47900	.48050	48.788	.48190
SDev	.00504	.00551	.00108	.01103	.00090	.171	.00214
%RSD	1.0578	1.1929	.22694	2.3021	.18808	.35075	.44398
#1	.47312	.45799	.47676	.47120	.48114	48.909	.48341
#2	.48025	.46578	.47523	.48680	.47986	48.667	.48039
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.47198	48.395	.46231	.47132	.47725	.48694	19.460
SDev	.00125	.236	.00268	.00224	.00159	.00178	.077
%RSD	.26486	.48786	.58040	.47582	.33334	.36483	.39773
#1	.47110	48.228	.46041	.46973	.47613	.48819	19.406
#2	.47287	48.562	.46421	.47290	.47838	.48568	19.515
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.231	49.013	.47230	19.706	.47050	.49678	.46823
SDev	.012	.233	.00096	.027	.00258	.00197	.00025
%RSD	.06327	.47554	.20358	.13945	.54910	.39666	.05414
#1	19.240	48.848	.47162	19.726	.46867	.49818	.46805
#2	19.223	49.178	.47298	19.687	.47232	.49539	.46841
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.47534	.45698	.46681	.47800	.47231	.48825	.47796
SDev	.00293	.00170	.00535	.00700	.00169	.00295	.00012
%RSD	.61546	.37168	1.1469	1.4635	.35787	.60394	.02579
#1	.47327	.45578	.46303	.47305	.47350	.48617	.47804
#2	.47741	.45818	.47060	.48294	.47111	.49034	.47787
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	PPM	PPM	PPM	PPM	PPM
Avge	.98825	2.2646	.48185	.47724	.49342	9.770
SDev	.00231	.0103	.00329	.00355	.00158	.021
%RSD	.23385	.45360	.68297	.74439	.32108	.2136
#1	.98989	2.2718	.47952	.47473	.49454	9.785
#2	.98662	2.2573	.48418	.47975	.49230	9.755
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/22/06 14:21:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00524	-.00257	.00599	-.00391	-.00007	.05609	.00037
SDev	.00119	.00241	.00296	.00008	.00209	.01721	.00037
%RSD	22.664	93.676	49.449	2.1119	2852.9	30.688	101.47
#1	.00440	-.00087	.00389	-.00385	.00141	.06827	.00063
#2	.00609	-.00427	.00808	-.00397	-.00155	.04392	.00010
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00037	.04145	-.00009	.00033	.00036	.00102	.03966
SDev	.00017	.01301	.00044	.00160	.00111	.00103	.01991
%RSD	47.176	31.380	506.53	487.48	310.37	101.08	50.216
#1	.00049	.05065	.00022	.00146	.00114	.00174	.05374
#2	.00025	.03226	-.00040	-.00080	-.00043	.00029	.02558
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.07857	.02640	.00085	.16181	.00054	-.00063	.00044
SDev	.09316	.02639	.00028	.00510	.00071	.00274	.00134
%RSD	118.56	99.958	32.426	3.1537	131.26	436.44	306.35
#1	.14445	.04506	.00104	.16542	.00104	.00131	.00138
#2	.01270	.00774	.00065	.15820	.00004	-.00257	-.00051
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00360	.00078	.00003	-.00062	.00259	.00282	.00125
SDev	.00078	.00220	.00121	.00093	.00221	.00005	.00081
%RSD	21.650	280.35	3749.5	151.30	85.636	1.7510	64.240
#1	.00415	.00234	.00089	-.00127	.00102	.00285	.00182
#2	.00305	-.00077	-.00082	.00004	.00415	.00278	.00068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00177	.02164	.00245	.00322	.00045	.0015
SDev	.00207	.01230	.00033	.00142	.00020	.0565
%RSD	117.43	56.836	13.594	44.052	44.842	3769.
#1	.00323	.03033	.00221	.00422	.00059	.0414
#2	.00030	.01294	.00268	.00222	.00031	-.0384
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

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Method: 30EL Sample Name: 0608111-2 5X Operator: SW
Run Time: 08/22/06 14:24:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00351	-.00289	.00945	-.00667	.00008	.02576	.01470
SDev	.00513	.00309	.00674	.00158	.00030	.00027	.00011
%RSD	146.10	107.07	71.296	23.762	363.11	1.0519	.71620
#1	-.00012	-.00070	.00469	-.00555	-.00013	.02596	.01463
#2	.00714	-.00508	.01422	-.00779	.00030	.02557	.01478
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00007	8.4712	-.00042	-.00016	.00066	-.00010	.07529
SDev	.00000	.0665	.00005	.00040	.00005	.00105	.01333
%RSD	.03804	.78472	12.547	245.85	8.2154	1008.1	17.704
#1	.00007	8.4242	-.00046	-.00044	.00062	-.00085	.06586
#2	.00007	8.5182	-.00038	.00012	.00070	.00064	.08471
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.0120	1.3235	.00168	25.969	-.00008	-.00156	.00163
SDev	.0192	.0046	.00007	.067	.00045	.00120	.00012
%RSD	.95286	.34602	4.4901	.25963	545.56	76.898	7.5135
#1	1.9984	1.3203	.00163	26.017	-.00040	-.00071	.00154
#2	2.0255	1.3267	.00173	25.922	.00023	-.00241	.00172
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00123	.00041	-.00076	-.00130	.00342	.03953	.00052
SDev	.00005	.00102	.00036	.00119	.00248	.00008	.00087
%RSD	4.1039	248.78	46.917	91.397	72.310	.19202	166.97
#1	-.00127	.00113	-.00051	-.00214	.00167	.03959	-.00009
#2	-.00120	-.00031	-.00101	-.00046	.00517	.03948	.00114
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07975	2.3851	.00208	.00834	.32532	.0001
SDev	.00165	.0027	.00215	.00102	.00054	.0072
%RSD	2.0702	.11160	103.56	12.220	.16488	6628.
#1	.07858	2.3870	.00056	.00762	.32494	-.0050
#2	.08092	2.3832	.00360	.00906	.32570	.0052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608111-3 5X Operator: SW
Run Time: 08/22/06 14:26:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00186	-.00178	.00231	-.00468	.00030	.02578	.01811
SDev	.00040	.00054	.00130	.00070	.00083	.00120	.00021
%RSD	21.277	30.272	56.153	14.928	275.12	4.6579	1.1656
#1	.00158	-.00216	.00323	-.00518	-.00028	.02493	.01796
#2	.00213	-.00140	.00139	-.00419	.00089	.02663	.01826
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00007	6.6539	-.00028	-.00005	.00138	-.00009	.02063
SDev	.00000	.0453	.00020	.00055	.00026	.00048	.00761
%RSD	.18790	.68078	72.812	1035.2	18.584	556.06	36.877
#1	.00007	6.6218	-.00042	-.00044	.00120	-.00043	.01525
#2	.00007	6.6859	-.00013	.00034	.00156	.00025	.02601
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.7797	.94465	.00088	21.691	-.00014	-.00091	.00214
SDev	.0070	.01162	.00005	.032	.00033	.00007	.00060
%RSD	.39161	1.2298	5.6638	.14539	229.46	7.8629	28.216
#1	1.7748	.93643	.00085	21.713	-.00037	-.00096	.00171
#2	1.7847	.95286	.00092	21.668	.00009	-.00086	.00257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00041	.00326	-.00057	-.00235	.00237	.03192	.00050
SDev	.00040	.00149	.00049	.00003	.00281	.00019	.00030
%RSD	96.833	45.737	86.440	1.4553	118.16	.60724	61.115
#1	-.00070	.00431	-.00091	-.00238	.00436	.03178	.00028
#2	-.00013	.00220	-.00022	-.00233	.00039	.03205	.00072
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06664	3.3498	.00199	.00915	.18091	.0109
SDev	.00237	.0057	.00073	.00039	.00077	.0230
%RSD	3.5602	.17048	36.578	4.2554	.42339	210.4
#1	.06496	3.3457	.00147	.00888	.18036	-.0053
#2	.06832	3.3538	.00250	.00943	.18145	.0272
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608111-3L 25X Operator: SW
Run Time: 08/22/06 14:27:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00033	.00006	-.00064	-.00625	-.00003	.02274	.00355
SDev	.00216	.00214	.00315	.00035	.00087	.00234	.00007
%RSD	661.37	3321.3	494.16	5.5876	3394.0	10.310	1.9512
#1	-.00186	.00158	-.00287	-.00600	.00059	.02440	.00360
#2	.00120	-.00145	.00159	-.00649	-.00064	.02109	.00350
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00003	1.2472	-.00043	.00026	.00018	-.00046	.00899
SDev	.00000	.0047	.00018	.00101	.00033	.00022	.00184
%RSD	.14135	.37332	41.940	391.62	190.09	48.120	20.474
#1	.00003	1.2439	-.00030	.00097	.00041	-.00030	.01029
#2	.00003	1.2505	-.00056	-.00046	-.00006	-.00061	.00768
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.39635	.17696	.00024	4.0124	-.00083	-.00122	.00070
SDev	.02981	.00476	.00006	.0422	.00048	.00261	.00024
%RSD	7.5207	2.6896	25.609	1.0529	57.794	214.04	34.901
#1	.41743	.18033	.00028	3.9825	-.00049	.00063	.00087
#2	.37527	.17359	.00020	4.0423	-.00117	-.00307	.00052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00077	.00121	-.00007	-.00438	.00198	.00766	-.00006
SDev	.00040	.00055	.00071	.00082	.00065	.00009	.00045
%RSD	52.176	45.227	1074.6	18.662	32.755	1.1667	761.37
#1	-.00049	.00159	.00044	-.00496	.00152	.00759	.00026
#2	-.00105	.00082	-.00057	-.00380	.00244	.00772	-.00038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01387	.67493	.00041	.00178	.03572	.0042
SDev	.00112	.00288	.00004	.00115	.00028	.0211
%RSD	8.1049	.42752	9.1246	64.586	.79306	502.0
#1	.01466	.67697	.00044	.00260	.03552	.0192
#2	.01307	.67289	.00038	.00097	.03592	-.0107
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608111-3MS 5X Operator: SW
Run Time: 08/22/06 14:29:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09839	.09806	.39932	.39183	-.00080	.33734	.41732
SDev	.00271	.00053	.00689	.00377	.00028	.00250	.00184
%RSD	2.7530	.54131	1.7253	.96097	34.670	.74200	.44156
#1	.09647	.09844	.39445	.38917	-.00060	.33911	.41602
#2	.10031	.09769	.40420	.39450	-.00100	.33557	.41862
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00959	14.078	.00937	.09939	.03961	.04885	.17126
SDev	.00012	.173	.00014	.00141	.00015	.00011	.00185
%RSD	1.2561	1.2257	1.5026	1.4153	.37480	.21734	1.0812
#1	.00950	13.956	.00927	.09840	.03951	.04878	.16995
#2	.00967	14.200	.00947	.10039	.03972	.04893	.17257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.4614	8.5750	.09807	28.314	.09923	.09734	.09840
SDev	.0323	.0842	.00098	.010	.00150	.00336	.00075
%RSD	.34114	.98201	1.0028	.03673	1.5070	3.4488	.76106
#1	9.4386	8.5154	.09738	28.306	.09817	.09971	.09788
#2	9.4842	8.6345	.09877	28.321	.10029	.09496	.09893
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.09900	.38427	.09817	.39433	.39826	.13272	.09771
SDev	.00161	.00233	.00055	.00481	.00172	.00024	.00096
%RSD	1.6309	.60568	.55814	1.2187	.43120	.17832	.98572
#1	.09786	.38262	.09778	.39093	.39705	.13289	.09703
#2	.10014	.38591	.09856	.39773	.39948	.13255	.09839
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.26905	3.6665	.10127	.20189	.27443	-.0216
SDev	.00011	.0069	.00008	.00355	.00140	.0134
%RSD	.04182	.18788	.08171	1.7603	.51207	61.90
#1	.26897	3.6617	.10122	.19938	.27343	-.0121
#2	.26913	3.6714	.10133	.20440	.27542	-.0310
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608111-3MSD 5X Operator: SW
Run Time: 08/22/06 14:31:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.09374	.10331	.40168	.40918	.00111	.34998	.42297
SDev	.00946	.00361	.00831	.00680	.00018	.00313	.00272
%RSD	10.089	3.4967	2.0679	1.6608	16.088	.89552	.64285
#1	.08705	.10587	.39581	.40437	.00124	.35220	.42105
#2	.10043	.10076	.40756	.41399	.00098	.34776	.42490
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00976	14.248	.00990	.10150	.04151	.05015	.17882
SDev	.00006	.062	.00010	.00037	.00017	.00099	.01832
%RSD	.61750	.43464	1.0055	.36083	.41996	1.9799	10.245
#1	.00972	14.204	.00983	.10124	.04163	.04945	.16587
#2	.00981	14.291	.00997	.10176	.04138	.05085	.19177
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.6445	8.7709	.10016	28.444	.10222	.10738	.10142
SDev	.0066	.0304	.00066	.136	.00029	.00266	.00001
%RSD	.06867	.34700	.65472	.47889	.28597	2.4805	.00637
#1	9.6492	8.7494	.09970	28.540	.10201	.10549	.10141
#2	9.6398	8.7925	.10063	28.348	.10242	.10926	.10142
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.12267	.39650	.10013	.40668	.40892	.13718	.09973
SDev	.00049	.00370	.00074	.00730	.00468	.00020	.00105
%RSD	.40075	.93292	.73886	1.7947	1.1438	.14743	1.0576
#1	.12233	.39389	.09960	.40152	.40561	.13704	.09899
#2	.12302	.39912	.10065	.41184	.41223	.13733	.10048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.27459	3.6595	.10546	.20883	.27452	.0316
SDev	.00162	.0020	.00138	.00496	.00175	.0049
%RSD	.58985	.05473	1.3090	2.3728	.63760	15.47

#1	.27345	3.6581	.10448	.20533	.27328	.0350
#2	.27574	3.6609	.10643	.21233	.27576	.0281
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608111-4 5X Operator: SW
Run Time: 08/22/06 14:33:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00334	-.00087	.01168	-.00149	-.00016	.02089	.00623
SDev	.00618	.00322	.00237	.00366	.00242	.00641	.00030
%RSD	185.07	371.32	20.266	246.16	1489.0	30.710	4.7446
#1	.00771	-.00315	.01335	-.00407	-.00187	.01635	.00644
#2	-.00103	.00141	.01000	.00110	.00155	.02542	.00603
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00008	2.3883	-.00039	-.00017	.00033	-.00028	.06736
SDev	.00000	.0083	.00033	.00118	.00140	.00049	.01774
%RSD	.30220	.34753	85.203	676.46	426.06	174.71	26.330
#1	.00008	2.3942	-.00063	-.00101	-.00066	-.00063	.05482
#2	.00008	2.3824	-.00016	.00066	.00131	.00007	.07991
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.7726	.15265	.00235	33.079	-.00130	-.00040	.00122
SDev	.0194	.00489	.00009	.189	.00144	.00484	.00120
%RSD	.69972	3.2023	3.7609	.57277	111.40	1219.4	98.741
#1	2.7589	.14919	.00229	33.213	-.00232	-.00382	.00037
#2	2.7864	.15611	.00241	32.945	-.00027	.00303	.00207
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00137	.00019	.00053	.00290	.00361	.05487	.00027
SDev	.00065	.00291	.00009	.00165	.00384	.00033	.00040
%RSD	47.530	1514.7	17.082	56.997	106.23	.60304	149.17

#1	-.00184	-.00186	.00047	.00173	.00633	.05463	-.00001
#2	-.00091	.00225	.00060	.00407	.00090	.05510	.00054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.11069	2.9799	.00176	.01543	.06523	-.0154
SDev	.00166	.0287	.00218	.00015	.00090	.0637
%RSD	1.4970	.96149	123.85	.97201	1.3865	412.7
#1	.10952	3.0002	.00022	.01533	.06587	-.0605
#2	.11186	2.9597	.00331	.01554	.06459	.0296
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CRI Operator: SW
Run Time: 08/22/06 14:35:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00462	.00654	.00870	.00710	.02042	.37854	.40634
SDev	.00032	.00039	.00706	.00439	.00069	.00104	.00288
%RSD	6.9129	5.9459	81.178	61.864	3.3832	.27452	.70914
#1	.00439	.00681	.00371	.01021	.02091	.37927	.40431
#2	.00484	.00626	.01370	.00399	.01993	.37780	.40838
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00982	9.2887	.00983	.10029	.02013	.04934	.16901
SDev	.00004	.0580	.00008	.00040	.00029	.00009	.00277
%RSD	.36886	.62389	.81740	.39895	1.4251	.18137	1.6374
#1	.00979	9.2477	.00977	.10057	.02033	.04940	.16706
#2	.00984	9.3297	.00988	.10001	.01993	.04927	.17097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.6220	9.4725	.03035	8.5017	.08165	.12570	.09915
SDev	.0599	.0662	.00015	.0261	.00046	.00040	.00013
%RSD	.69463	.69849	.51224	.30745	.56823	.31865	.13023

#1	8.5797	9.4257	.03024	8.4832	.08198	.12599	.09924
#2	8.6644	9.5193	.03046	8.5202	.08133	.12542	.09906
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000
Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.04048	.00973	.00590	.00763	.02147	.02580	.01999
SDev	.00005	.00177	.00015	.00058	.00049	.00000	.00020
%RSD	.11854	18.158	2.5938	7.5705	2.2812	.00000	.99930
#1	.04044	.01098	.00601	.00804	.02182	.02580	.02013
#2	.04051	.00848	.00579	.00723	.02113	.02580	.01985
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000
Elem	B	Si	Sn	Mo	Sr	U	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.21138	.13037	.10207	.02144	.02203	.2057	
SDev	.00093	.01538	.00040	.00039	.00006	.0179	
%RSD	.43746	11.797	.39517	1.8078	.26466	8.694	
#1	.21073	.14125	.10235	.02172	.02199	.2183	
#2	.21203	.11950	.10178	.02117	.02207	.1930	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	10.000	50.000	10.000	10.000	10.000	50.00	
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000	

Method: 30EL Sample Name: ICSA Operator: SW
Run Time: 08/22/06 14:36:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03205	-.01066	-.00223	.00181	-.00076	511.08	.00209
SDev	.00051	.00243	.01769	.00793	.00144	2.24	.00029
%RSD	1.5954	22.820	793.40	437.67	188.38	.43899	13.968
#1	.03241	-.01238	.01028	-.00380	-.00178	512.67	.00230
#2	.03169	-.00894	-.01473	.00742	.00025	509.49	.00189
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000
Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00089	514.10	-.00148	.00271	.00049	-.00500	204.03
SDev	.00000	7.57	.00016	.00116	.00093	.00051	1.96
%RSD	.02020	1.4729	10.614	42.783	189.06	10.135	.96149

#1	.00089	508.74	-.00159	.00189	-.00017	-.00536	202.65
#2	.00089	519.45	-.00137	.00352	.00115	-.00464	205.42
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000
Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.16152	521.60	.00764	.29248	.00400	.01146	.00433
SDev	.03696	6.01	.00015	.01549	.00137	.00643	.00085
%RSD	22.882	1.1523	2.0052	5.2962	34.368	56.082	19.638
#1	.13538	517.35	.00754	.30343	.00303	.00692	.00373
#2	.18765	525.85	.00775	.28152	.00497	.01601	.00494
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000
Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01476	-.00032	.00356	.00047	.00507	.00402	.00302
SDev	.00000	.00059	.00145	.00060	.00478	.00010	.00050
%RSD	.00123	183.16	40.719	128.50	94.150	2.3717	16.567
#1	.01476	-.00074	.00254	.00089	.00845	.00408	.00267
#2	.01476	.00010	.00459	.00004	.00170	.00395	.00338
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000	.00000		.00000
Range	.04000	.02000	.00600	.01000	.02000		.04000
Elem	B	Si	Sn	Mo	Sr	U	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00144	.00903	.00279	.00025	.00611	-.0107	
SDev	.00044	.00904	.00220	.00126	.00001	.0400	
%RSD	30.515	100.05	78.646	503.23	.23562	374.7	
#1	.00113	.01542	.00435	.00114	.00612	-.0389	
#2	.00175	.00264	.00124	-.00064	.00610	.0176	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	
Value	.00000	.00000	.00000	.00000	.00000		
Range	.20000	.10000	.10000	.02000	.02000		

Method: 30EL Sample Name: ICSAB Operator: SW
Run Time: 08/22/06 14:38:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.06913	.03184	.04735	.04316	.19417	506.36	.47157
SDev	.00017	.00259	.00699	.00685	.00225	6.57	.00625
%RSD	.25070	8.1465	14.767	15.871	1.1597	1.2977	1.3257

#1	.06925	.03000	.05229	.03832	.19258	501.72	.46715
#2	.06901	.03367	.04240	.04800	.19576	511.01	.47599
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.46059	514.19	.87097	.44749	.44634	.49451	202.66
SDev	.00241	.81	.00378	.00106	.00327	.00825	1.10
%RSD	.52324	.15768	.43348	.23735	.73229	1.6673	.54067
#1	.45889	513.62	.86830	.44674	.44402	.48868	201.89
#2	.46230	514.77	.87364	.44824	.44865	.50034	203.44
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.06368	519.89	.45310	.17205	.87225	.57960	.45804
SDev	.02459	2.40	.00323	.00028	.00559	.01220	.00397
%RSD	38.616	.46108	.71286	.16529	.64068	2.1047	.86608
#1	-.04630	518.20	.45082	.17225	.86830	.57097	.45524
#2	-.08107	521.59	.45538	.17185	.87620	.58822	.46085
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.91051	.08830	.04426	.04455	.09462	1.1208	.92430
SDev	.00261	.00052	.00167	.00224	.00317	.0116	.00847
%RSD	.28638	.58378	3.7785	5.0291	3.3532	1.0325	.91589
#1	.90867	.08866	.04307	.04297	.09238	1.1126	.91832
#2	.91235	.08793	.04544	.04614	.09686	1.1290	.93029
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000		1.0000
Range	20.000	20.000	20.000	20.000	20.000		20.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0076	1.0139	.96043	.94806	.97904	9.308
SDev	.0138	.0020	.00457	.01366	.01144	.121
%RSD	1.3703	.19653	.47556	1.4405	1.1680	1.295
#1	.99787	1.0125	.95720	.93840	.97096	9.222
#2	1.0174	1.0153	.96366	.95771	.98713	9.393
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	1.0000	1.0000	1.0000	10.00

Range	20.000	20.000	20.000	20.000	20.000	20.00

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/22/06 14:40:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.47859	.46701	.47555	.48409	.48081	49.926	.48507
SDev	.00696	.00509	.00612	.00322	.00153	.679	.00219
%RSD	1.4542	1.0897	1.2866	.66563	.31870	1.3592	.45244
#1	.47367	.46341	.47122	.48181	.47973	50.405	.48662
#2	.48351	.47061	.47987	.48637	.48189	49.446	.48352
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.47614	50.162	.46933	.47377	.48102	.48610	20.138
SDev	.00102	.481	.00156	.00179	.00079	.00062	.254
%RSD	.21480	.95911	.33343	.37841	.16369	.12683	1.2602
#1	.47542	50.502	.46822	.47250	.48047	.48654	20.317
#2	.47687	49.821	.47043	.47504	.48158	.48567	19.958
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.310	50.582	.47765	19.757	.47510	.50171	.47093
SDev	.034	.439	.00099	.040	.00004	.00792	.00101
%RSD	.17729	.86736	.20692	.20004	.00774	1.5785	.21364
#1	19.286	50.893	.47695	19.729	.47507	.50731	.47022
#2	19.334	50.272	.47835	19.785	.47512	.49611	.47164
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.48262	.46198	.47087	.48124	.47589	.49218	.48268
SDev	.00373	.00121	.00571	.00419	.00359	.00164	.00134
%RSD	.77354	.26238	1.2130	.86996	.75496	.33336	.27661
#1	.47998	.46284	.46683	.47828	.47335	.49102	.48362
#2	.48526	.46112	.47491	.48420	.47843	.49334	.48173
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000

Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99217	2.2669	.48598	.48651	.49912	9.796
SDev	.00177	.0034	.00069	.00012	.00245	.023
%RSD	.17804	.14887	.14275	.02440	.49139	.2387
#1	.99092	2.2693	.48549	.48643	.50085	9.813
#2	.99342	2.2645	.48647	.48659	.49738	9.780
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Analysis Report Blank Sample 08/22/06 02:44:56 PM page 1

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/22/06 14:43:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00172	-.00016	.00054	-.00416	.00073	.07705	.00044
SDev	.00500	.00305	.00550	.00120	.00058	.01003	.00000
%RSD	289.89	1917.5	1022.7	28.813	79.487	13.018	.00000
#1	.00526	-.00231	.00443	-.00500	.00032	.08414	.00044
#2	-.00181	.00200	-.00335	-.00331	.00114	.06996	.00044
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00037	.05759	.00010	.00062	.00077	.00072	.04203
SDev	.00013	.01318	.00002	.00011	.00028	.00014	.01161
%RSD	34.689	22.889	21.316	18.539	36.706	19.173	27.618
#1	.00046	.06691	.00008	.00070	.00057	.00082	.05024
#2	.00028	.04827	.00011	.00054	.00098	.00063	.03382
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.13856	.05105	.00081	.15780	.00111	-.00101	.00104
SDev	.04794	.01303	.00003	.00340	.00000	.00057	.00024
%RSD	34.597	25.517	3.0759	2.1531	.01342	56.050	23.087
#1	.17246	.06026	.00083	.16021	.00111	-.00141	.00087
#2	.10467	.04184	.00079	.15540	.00111	-.00061	.00121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00402	.00077	.00047	-.00259	.00154	.00261	.00113
SDev	.00018	.00318	.00037	.00103	.00168	.00045	.00032
%RSD	4.5668	413.06	78.800	39.880	109.40	17.179	28.458
#1	.00389	-.00148	.00021	-.00186	.00273	.00292	.00136
#2	.00415	.00302	.00073	-.00332	.00035	.00229	.00090
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00203	.02821	.00199	.00332	.00040	.0235
SDev	.00021	.01134	.00008	.00050	.00014	.0125
%RSD	10.466	40.199	4.0037	15.189	33.697	53.19
#1	.00188	.03623	.00193	.00367	.00050	.0146
#2	.00218	.02019	.00204	.00296	.00031	.0323
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: 0608081-1-1 Operator: SW
Run Time: 08/22/06 14:56:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0643	1.0159	-.00558	.01925	.00035	145.73	1.6463
SDev	.0003	.0219	.00518	.00269	.00022	2.22	.0398
%RSD	.02895	2.1533	92.872	13.953	64.491	1.5232	2.4203
#1	1.0646	1.0004	-.00192	.01735	.00050	144.16	1.6182
#2	1.0641	1.0313	-.00924	.02115	.00019	147.30	1.6745
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00614	70.357	.00870	.14226	.29844	.47669	H425.56
SDev	.00009	1.023	.00011	.00181	.00459	.00782	8.54
%RSD	1.5185	1.4542	1.2040	1.2753	1.5378	1.6406	2.0064
#1	.00608	69.634	.00862	.14098	.29519	.47116	H419.52
#2	.00621	71.081	.00877	.14355	.30168	.48222	H431.59
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.160	75.981	6.9030	2.8457	.30514	.00654	.66557
SDev	.247	1.005	.1202	.0496	.00457	.00269	.01256
%RSD	1.5265	1.3223	1.7409	1.7415	1.4990	41.134	1.8865
#1	15.985	75.271	6.8180	2.8107	.30191	.00844	.65669
#2	16.334	76.692	6.9880	2.8808	.30838	.00464	.67445
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.9309	.13567	1.0320	.01098	.01832	.20705	H13.565
SDev	.0611	.00129	.0145	.00007	.00095	.00156	.254
%RSD	1.2398	.95140	1.4038	.59945	5.1906	.75325	1.8698
#1	4.8877	.13476	1.0218	.01093	.01899	.20594	H13.386
#2	4.9741	.13658	1.0422	.01103	.01764	.20815	H13.744
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01886	14.006	.05210	.00630	.46277	.0626
SDev	.00038	.262	.00178	.00039	.01065	.0153
%RSD	2.0215	1.8674	3.4140	6.1424	2.3024	24.48
#1	.01859	13.821	.05336	.00657	.45523	.0735
#2	.01913	14.191	.05084	.00602	.47030	.0518
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-2 Operator: SW
Run Time: 08/22/06 14:58:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0290	.99104	-.01374	.02339	.00068	145.45	1.6646
SDev	.0027	.00831	.00538	.00087	.00055	3.00	.0319
%RSD	.26364	.83854	39.138	3.7368	81.485	2.0601	1.9191
#1	1.0271	.98517	-.01754	.02278	.00107	143.33	1.6420
#2	1.0309	.99692	-.00994	.02401	.00029	147.56	1.6872
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00641	73.119	.00973	.13054	.29867	.48003	H423.02
SDev	.00008	.913	.00022	.00097	.00364	.00964	6.26
%RSD	1.2815	1.2483	2.2736	.74328	1.2176	2.0086	1.4805
#1	.00635	72.474	.00957	.12986	.29610	.47321	H418.59
#2	.00647	73.765	.00988	.13123	.30124	.48685	H427.45
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	15.938	77.593	7.0300	2.6883	.31843	.01300	.66082
SDev	.315	.876	.0891	.0650	.00481	.00212	.00887
%RSD	1.9752	1.1291	1.2676	2.4189	1.5118	16.266	1.3430
#1	15.715	76.974	6.9669	2.6423	.31502	.01450	.65455
#2	16.161	78.213	7.0930	2.7343	.32183	.01151	.66710
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.0274	.13912	1.0037	.01103	.01533	.21040	H13.937
SDev	.0383	.00158	.0064	.00237	.00185	.00091	.206
%RSD	.76276	1.1331	.64228	21.523	12.096	.43180	1.4753
#1	5.0003	.14023	.99913	.00935	.01664	.20976	H13.792
#2	5.0545	.13800	1.0082	.01271	.01402	.21104	H14.083
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02129	13.878	.05210	.00648	.46888	.0751
SDev	.00043	.178	.00160	.00089	.00843	.0162
%RSD	2.0051	1.2822	3.0744	13.816	1.7977	21.62
#1	.02159	13.752	.05324	.00711	.46292	.0865
#2	.02099	14.004	.05097	.00585	.47484	.0636
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-3 Operator: SW
Run Time: 08/22/06 15:00:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0325	.99402	-.01263	.02609	.00096	144.76	1.5749
SDev	.0065	.00427	.00315	.00402	.00039	.07	.0014
%RSD	.62665	.42984	24.968	15.393	40.555	.04542	.09177
#1	1.0279	.99100	-.01485	.02325	.00123	144.80	1.5759
#2	1.0371	.99704	-.01040	.02893	.00068	144.71	1.5739
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00634	73.849	.00794	.13223	.29794	.46746	H437.77
SDev	.00003	.665	.00016	.00192	.00208	.00052	3.41
%RSD	.55931	.90106	1.9859	1.4553	.69664	.11181	.77899
#1	.00631	73.378	.00805	.13087	.29647	.46783	H435.35
#2	.00636	74.319	.00783	.13359	.29941	.46709	H440.18
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	15.924	75.040	6.9853	3.0749	.30672	.00731	.68047
SDev	.004	.551	.0379	.0069	.00243	.00441	.00266
%RSD	.02672	.73423	.54279	.22290	.79091	60.392	.39129
#1	15.927	74.650	6.9585	3.0798	.30501	.00419	.67859
#2	15.921	75.429	7.0121	3.0701	.30844	.01043	.68235
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.9853	.13889	1.0068	.01320	.01613	.20528	H14.028
SDev	.0604	.00038	.0050	.00373	.00069	.00218	.026
%RSD	1.2120	.27640	.49705	28.252	4.3060	1.0613	.18380
#1	4.9426	.13862	1.0033	.01056	.01564	.20682	H14.010
#2	5.0281	.13916	1.0104	.01583	.01662	.20374	H14.046
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02133	12.727	.04958	.00549	.47260	.0808
SDev	.00053	.027	.00085	.00050	.00013	.0129
%RSD	2.4880	.20858	1.7074	9.1672	.02667	15.96
#1	.02095	12.708	.04898	.00514	.47269	.0899
#2	.02170	12.746	.05018	.00585	.47251	.0717
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-4 Operator: SW
Run Time: 08/22/06 15:02:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0969	1.0651	-.01829	.02674	.00011	147.59	1.6737
SDev	.0161	.0052	.01527	.00455	.00044	.12	.0014
%RSD	1.4648	.48980	83.510	17.033	383.69	.07866	.08652
#1	1.0856	1.0614	-.02909	.02996	.00042	147.50	1.6747
#2	1.1083	1.0688	-.00749	.02352	-.00020	147.67	1.6726
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00649	75.122	.00914	.13624	.30710	.48446	H446.45
SDev	.00003	.649	.00006	.00045	.00251	.00079	3.65
%RSD	.54535	.86384	.63706	.32824	.81680	.16283	.81821
#1	.00646	74.663	.00918	.13592	.30532	.48502	H443.87
#2	.00651	75.581	.00910	.13655	.30887	.48390	H449.04
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.518	76.173	7.5370	2.7825	.31607	.00523	.69995
SDev	.018	.642	.0466	.0076	.00182	.00466	.00304
%RSD	.11153	.84286	.61871	.27452	.57662	89.122	.43483
#1	16.505	75.719	7.5041	2.7879	.31479	.00853	.69780
#2	16.531	76.627	7.5700	2.7771	.31736	.00194	.70211
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.0668	.14868	1.0757	.01174	.01581	.21274	H14.037
SDev	.0584	.00124	.0088	.00205	.00147	.00026	.042
%RSD	1.1534	.83205	.82087	17.447	9.3143	.12190	.29912
#1	5.0255	.14781	1.0695	.01029	.01685	.21292	H14.008
#2	5.1082	.14956	1.0820	.01319	.01477	.21256	H14.067
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02210	10.881	.05228	.01537	.46323	.0644
SDev	.00073	.011	.00214	.00026	.00012	.0105
%RSD	3.2869	.09725	4.0941	1.6779	.02503	16.33
#1	.02262	10.888	.05076	.01555	.46314	.0718
#2	.02159	10.873	.05379	.01519	.46331	.0570
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-5 Operator: SW
Run Time: 08/22/06 15:03:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	1.0582	1.0261	-.01016	.02284	-.00007	149.86	1.5982
SDev	.0051	.0088	.00180	.00298	.00177	.03	.0131
%RSD	.48543	.86153	17.705	13.072	2571.1	.02177	.82246
#1	1.0545	1.0198	-.00889	.02495	.00118	149.88	1.5889
#2	1.0618	1.0323	-.01143	.02072	-.00132	149.84	1.6075
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00632	74.180	.00904	.12627	.31705	.49385	H419.80
SDev	.00005	.293	.00035	.00071	.00101	.00224	2.67
%RSD	.74746	.39433	3.8471	.55892	.31894	.45383	.63531
#1	.00629	73.973	.00929	.12677	.31633	.49226	H417.92
#2	.00635	74.387	.00880	.12577	.31776	.49543	H421.69
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.437	76.732	6.7292	3.0750	.31122	.00855	.64620
SDev	.027	.229	.0384	.0008	.00168	.00136	.00367
%RSD	.16211	.29822	.57075	.02446	.54093	15.854	.56757
#1	16.418	76.571	6.7020	3.0755	.31003	.00951	.64360
#2	16.456	76.894	6.7563	3.0745	.31242	.00760	.64879
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.9073	.14490	1.0367	.01185	.01713	.21019	H12.703
SDev	.0238	.00081	.0076	.00259	.00122	.00224	.083
%RSD	.48508	.56133	.73370	21.859	7.1104	1.0652	.65129
#1	4.8904	.14433	1.0314	.01368	.01800	.21178	H12.644
#2	4.9241	.14548	1.0421	.01002	.01627	.20861	H12.761
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02100	12.109	.08362	.00656	.46958	.0605
SDev	.00125	.088	.00014	.00027	.00333	.0431
%RSD	5.9331	.72726	.16809	4.1076	.70857	71.30

#1	.02188	12.046	.08372	.00676	.46723	.0909
#2	.02012	12.171	.08352	.00637	.47193	.0300
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-6 Operator: SW
Run Time: 08/22/06 15:05:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0263	.98770	-.01078	.02542	-.00010	147.60	1.6607
SDev	.0025	.00637	.00032	.00098	.00057	.82	.0196
%RSD	.24327	.64497	2.9451	3.8636	553.71	.55490	1.1819
#1	1.0245	.98320	-.01055	.02612	.00030	147.02	1.6468
#2	1.0280	.99221	-.01100	.02473	-.00050	148.18	1.6745
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00641	74.065	.00979	.13770	.30003	.48584	H445.84
SDev	.00005	.372	.00013	.00024	.00209	.00508	3.76
%RSD	.73609	.50287	1.2784	.17301	.69491	1.0447	.84383
#1	.00638	73.802	.00988	.13787	.29856	.48225	H443.18
#2	.00644	74.329	.00970	.13753	.30151	.48942	H448.50
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.474	78.269	7.4317	2.7356	.31249	.00285	.69698
SDev	.124	.374	.0541	.0214	.00249	.00410	.00393
%RSD	.75017	.47807	.72764	.78218	.79745	143.77	.56377
#1	16.386	78.004	7.3935	2.7204	.31073	.00575	.69420
#2	16.561	78.534	7.4700	2.7507	.31425	-.00005	.69976
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.9691	.14456	1.0005	.01337	.01704	.20921	H15.409
SDev	.0200	.00128	.0051	.00076	.00163	.00006	.160
%RSD	.40157	.88462	.50776	5.6917	9.5564	.03103	1.0364

#1	4.9550	.14546	.99695	.01391	.01820	.20916	H15.296
#2	4.9832	.14365	1.0041	.01283	.01589	.20925	H15.522
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01895	11.606	.05993	.00585	.44735	.0708
SDev	.00125	.117	.00036	.00052	.00474	.0199
%RSD	6.5841	1.0082	.60204	8.8115	1.0596	28.14
#1	.01983	11.523	.05967	.00621	.44400	.0849
#2	.01806	11.688	.06018	.00549	.45070	.0567
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-7 Operator: SW
Run Time: 08/22/06 15:07:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0554	1.0265	-.01782	.02435	.00161	152.48	1.6542
SDev	.0055	.0097	.00270	.00585	.00029	3.00	.0311
%RSD	.52102	.94788	15.165	24.044	18.217	1.9653	1.8830
#1	1.0515	1.0196	-.01591	.02021	.00181	150.36	1.6322
#2	1.0593	1.0334	-.01973	.02848	.00140	154.60	1.6762
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00649	78.048	.01076	.13514	.31047	.51067	H430.34
SDev	.00003	.439	.00020	.00046	.00259	.01004	4.41
%RSD	.53127	.56268	1.9037	.34252	.83325	1.9652	1.0248
#1	.00647	77.737	.01062	.13481	.30864	.50358	H427.22
#2	.00652	78.358	.01091	.13546	.31230	.51777	H433.46
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	17.022	80.183	7.2549	2.9516	.33133	.01059	.66783
SDev	.287	.488	.0663	.0598	.00266	.00381	.00710
%RSD	1.6843	.60825	.91325	2.0277	.80435	35.950	1.0636

#1	16.819	79.838	7.2081	2.9093	.32944	.01328	.66281
#2	17.225	80.528	7.3018	2.9939	.33321	.00790	.67285
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.1297	.14703	1.0361	.01030	.01529	.21661	H13.257
SDev	.0027	.00071	.0083	.00300	.00255	.00256	.152
%RSD	.05337	.48098	.80309	29.157	16.665	1.1804	1.1500
#1	5.1278	.14753	1.0303	.00818	.01709	.21480	H13.149
#2	5.1317	.14653	1.0420	.01243	.01349	.21842	H13.364
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	PPM	PPM	PPM	PPM	PPM
Avge	.02414	13.018	.05144	.00668	.49510	.1199
SDev	.00008	.199	.00125	.00013	.00866	.0064
%RSD	.33408	1.5282	2.4380	1.9381	1.7489	5.370
#1	.02420	12.878	.05055	.00677	.48898	.1244
#2	.02409	13.159	.05233	.00658	.50122	.1153
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-8 Operator: SW
Run Time: 08/22/06 15:09:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.99227	.96596	-.01743	.02784	-.00003	153.72	1.8110
SDev	.00623	.00959	.00126	.00397	.00086	1.11	.0034
%RSD	.62786	.99235	7.2405	14.257	2655.5	.72339	.19051
#1	.98786	.95918	-.01653	.03064	-.00064	152.93	1.8086
#2	.99668	.97273	-.01832	.02503	.00058	154.50	1.8135
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00681	84.364	.01248	.14398	.30578	.50805	H467.94
SDev	.00000	.472	.00008	.00173	.00195	.00144	2.47
%RSD	.01132	.55932	.63836	1.2051	.63872	.28361	.52842

#1	.00681	84.030	.01242	.14275	.30440	.50703	H466.19
#2	.00681	84.697	.01254	.14520	.30716	.50907	H469.69
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	17.050	78.398	8.0625	2.8820	.32595	.00644	.74089
SDev	.083	.447	.0339	.0150	.00210	.00090	.00357
%RSD	.48516	.57023	.41991	.51978	.64406	14.000	.48113
#1	16.991	78.081	8.0386	2.8714	.32447	.00580	.73836
#2	17.108	78.714	8.0864	2.8925	.32744	.00708	.74341
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.9919	.15244	.97472	.01276	.01649	.21583	H15.110
SDev	.0291	.00318	.00847	.00307	.00087	.00327	.044
%RSD	.58388	2.0878	.86879	24.030	5.2595	1.5150	.28981
#1	4.9713	.15019	.96873	.01493	.01587	.21352	H15.079
#2	5.0125	.15469	.98071	.01060	.01710	.21814	H15.141
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02238	12.812	.04917	.00648	.50130	.0765
SDev	.00073	.045	.00343	.00090	.00124	.0298
%RSD	3.2458	.34927	6.9699	13.891	.24767	39.00
#1	.02290	12.780	.05159	.00584	.50042	.0554
#2	.02187	12.843	.04674	.00712	.50217	.0975
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-9 Operator: SW
Run Time: 08/22/06 15:11:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0268	1.0033	-.01520	.02404	.00146	150.26	1.6405
SDev	.0000	.0076	.00368	.00387	.00003	2.78	.0259
%RSD	.00282	.76184	24.179	16.092	1.8630	1.8522	1.5809

#1	1.0268	.99790	-.01260	.02130	.00147	148.29	1.6221
#2	1.0268	1.0087	-.01780	.02677	.00144	152.23	1.6588
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00640	75.930	.00980	.13256	.30698	.49530	H429.45
SDev	.00007	.817	.00029	.00146	.00391	.00874	5.83
%RSD	1.0967	1.0755	2.9359	1.1051	1.2744	1.7642	1.3566
#1	.00635	75.353	.00959	.13153	.30422	.48912	H425.33
#2	.00645	76.508	.01000	.13360	.30975	.50148	H433.57
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.730	78.855	6.9652	2.7957	.31502	.01161	.66639
SDev	.285	.909	.0780	.0594	.00251	.00619	.00863
%RSD	1.7006	1.1533	1.1202	2.1241	.79720	53.378	1.2952
#1	16.529	78.211	6.9100	2.7537	.31325	.00723	.66029
#2	16.931	79.498	7.0203	2.8377	.31680	.01599	.67249
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.0118	.14060	1.0111	.01097	.01580	.21450	H13.070
SDev	.0453	.00265	.0051	.00136	.00109	.00217	.177
%RSD	.90417	1.8830	.50518	12.360	6.8733	1.0118	1.3558
#1	4.9797	.13873	1.0075	.01001	.01503	.21297	H12.945
#2	5.0438	.14247	1.0147	.01193	.01657	.21604	H13.195
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02326	10.541	.04989	.00676	.49753	.1075
SDev	.00096	.167	.00181	.00203	.00743	.0042
%RSD	4.1127	1.5816	3.6349	30.091	1.4930	3.878
#1	.02259	10.423	.04861	.00532	.49228	.1045
#2	.02394	10.658	.05117	.00820	.50278	.1104
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00

Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-10 Operator: SW
Run Time: 08/22/06 15:12:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0020	.96596	-.00517	.02693	.00071	149.05	1.8040
SDev	.0029	.01464	.00423	.00163	.00020	2.51	.0145
%RSD	.28637	1.5154	81.795	6.0617	28.262	1.6841	.80357
#1	.99998	.95561	-.00816	.02578	.00085	147.27	1.7938
#2	1.0040	.97631	-.00218	.02809	.00057	150.82	1.8143
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00654	78.142	.01132	.13950	.29920	.50397	H438.12
SDev	.00001	.377	.00026	.00150	.00166	.00696	2.56
%RSD	.17069	.48288	2.3189	1.0721	.55571	1.3801	.58334
#1	.00653	77.875	.01113	.13845	.29803	.49905	H436.31
#2	.00655	78.409	.01150	.14056	.30038	.50889	H439.92
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.526	78.627	7.9891	2.7719	.32050	.00783	.69052
SDev	.239	.504	.0383	.0585	.00110	.00118	.00393
%RSD	1.4440	.64139	.47925	2.1112	.34384	15.046	.56952
#1	16.357	78.270	7.9621	2.7305	.31972	.00867	.68774
#2	16.695	78.983	8.0162	2.8133	.32128	.00700	.69330
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.9634	.14327	.97797	.01624	.01828	.21322	H14.602
SDev	.0072	.00008	.01072	.00250	.00357	.00107	.066
%RSD	.14539	.05543	1.0961	15.370	19.514	.50159	.45299
#1	4.9583	.14333	.97039	.01448	.02081	.21246	H14.555
#2	4.9685	.14322	.98555	.01801	.01576	.21398	H14.649
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000

Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02193	9.0254	.05271	.00640	.47518	.0908
SDev	.00141	.0938	.00229	.00051	.00327	.0043
%RSD	6.4153	1.0388	4.3494	7.9711	.68763	4.761
#1	.02094	8.9591	.05433	.00676	.47287	.0938
#2	.02293	9.0916	.05108	.00604	.47749	.0877
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/22/06 15:14:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48486	.47014	.47743	.47680	.47879	48.781	.47866
SDev	.00174	.00366	.00520	.00194	.00226	.025	.00161
%RSD	.35817	.77861	1.0882	.40578	.47294	.05224	.33617
#1	.48609	.46755	.48110	.47543	.47719	48.763	.47979
#2	.48363	.47273	.47376	.47816	.48039	48.799	.47752
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.47618	49.570	.46909	.47663	.48272	.48176	20.656
SDev	.00244	.153	.00278	.00249	.00231	.00107	.493
%RSD	.51186	.30904	.59231	.52243	.47823	.22152	2.3858
#1	.47446	49.461	.46713	.47487	.48108	.48100	21.005
#2	.47790	49.678	.47106	.47839	.48435	.48251	20.308
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.229	50.039	.50041	19.691	.47492	.49730	.47070
SDev	.074	.213	.01119	.101	.00274	.00663	.00103
%RSD	.38404	.42485	2.2354	.51305	.57667	1.3335	.21857
#1	19.177	49.889	.50832	19.619	.47298	.49261	.46997
#2	19.281	50.189	.49250	19.762	.47686	.50199	.47142
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000

Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50319	.46588	.47504	.47701	.47619	.49102	.51632
SDev	.00506	.00208	.00186	.00044	.00332	.00012	.02374
%RSD	1.0053	.44659	.39223	.09217	.69733	.02475	4.5987
#1	.50677	.46441	.47372	.47732	.47385	.49111	.53311
#2	.49961	.46735	.47636	.47670	.47854	.49094	.49953
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98281	2.2939	.48726	.47673	.49066	9.611
SDev	.00674	.0147	.00175	.00421	.00092	.047
%RSD	.68624	.64213	.35832	.88366	.18816	.4892
#1	.97804	2.3043	.48602	.47376	.49001	9.578
#2	.98758	2.2834	.48849	.47971	.49131	9.644
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/22/06 15:16:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00073	.00325	.00363	.00131	.00139	.16316	.00173
SDev	.01077	.00445	.00929	.00077	.00172	.05839	.00050
%RSD	1469.5	136.86	255.72	58.654	124.46	35.786	28.790
#1	.00835	.00010	.01021	.00077	.00017	H.20445	.00208
#2	-.00688	.00640	-.00294	.00186	.00261	.12188	.00138
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00138	.14623	.00107	.00153	.00178	.00167	H.11748
SDev	.00069	.06750	.00056	.00081	.00068	.00046	.02969
%RSD	49.807	46.163	51.855	52.583	38.427	27.342	25.274
#1	.00186	.19396	.00146	.00096	.00130	.00199	H.13847
#2	.00089	.09850	.00068	.00211	.00226	.00135	.09648
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000

Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000
Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.23405	.15243	.00305	.18235	.00216	.00102	.00206
SDev	.05603	.06503	.00080	.01968	.00081	.00449	.00120
%RSD	23.938	42.662	26.165	10.793	37.299	438.92	58.536
#1	.19443	.19842	.00361	.19626	.00159	-.00215	.00121
#2	.27367	.10645	.00248	.16843	.00274	.00420	.00291
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000
Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00591	.00205	.00241	.00209	.00368	.00364	.00492
SDev	.00009	.00025	.00062	.00258	.00347	.00072	.00100
%RSD	1.5714	12.265	25.626	123.70	94.387	19.823	20.252
#1	.00597	.00187	.00285	.00391	.00613	.00415	.00562
#2	.00584	.00222	.00198	.00026	.00122	.00313	.00421
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000
Elem	B	Si	Sn	Mo	Sr	U	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00414	.03046	.00213	.00467	.00145	.0445	
SDev	.00014	.01332	.00053	.00163	.00077	.0510	
%RSD	3.3956	43.732	25.144	34.963	53.245	114.5	
#1	.00404	.03988	.00250	.00583	.00199	.0085	
#2	.00424	.02104	.00175	.00352	.00090	.0806	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	
High	.10000	.05000	.05000	.01000			
Low	-.10000	-.05000	-.05000	-.01000			

Method: 30EL Sample Name: 0608081-1-11 Operator: SW
Run Time: 08/22/06 15:18:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.92954	.89183	-.01205	.02622	.00159	138.74	1.6459
SDev	.01339	.00691	.00229	.00128	.00106	2.19	.0285
%RSD	1.4406	.77451	19.032	4.8641	66.611	1.5766	1.7335
#1	.92008	.88695	-.01367	.02712	.00234	137.19	1.6257
#2	.93901	.89672	-.01043	.02532	.00084	140.28	1.6661
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000

Low					-.02000	-.40000	-.20000
Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00633	74.885	.01071	.13915	.28224	.47893	H425.81
SDev	.00007	1.087	.00018	.00241	.00330	.00845	7.86
%RSD	1.1079	1.4515	1.6496	1.7328	1.1704	1.7646	1.8464
#1	.00628	74.117	.01084	.13744	.27990	.47295	H420.25
#2	.00638	75.654	.01059	.14085	.28457	.48491	H431.37
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	15.538	75.422	7.5244	2.5279	.30921	.01158	.66666
SDev	.209	1.053	.1139	.0358	.00428	.00333	.00875
%RSD	1.3440	1.3962	1.5137	1.4165	1.3851	28.750	1.3128
#1	15.390	74.677	7.4438	2.5026	.30618	.00923	.66048
#2	15.686	76.166	7.6049	2.5532	.31224	.01394	.67285
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.6091	.14011	.90439	.01348	.01947	.19782	H14.820
SDev	.0632	.00166	.00907	.00009	.00414	.00166	.211
%RSD	1.3703	1.1843	1.0025	.64591	21.273	.84100	1.4231
#1	4.5645	.13894	.89798	.01354	.02239	.19664	H14.671
#2	4.6538	.14128	.91080	.01341	.01654	.19899	H14.969
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02217	9.4338	.04945	.00820	.43914	.1172
SDev	.00038	.1498	.00120	.00126	.00755	.0187
%RSD	1.7166	1.5876	2.4220	15.409	1.7190	15.92
#1	.02190	9.3279	.04860	.00731	.43380	.1304
#2	.02244	9.5397	.05030	.00910	.44447	.1040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-12 Operator: SW
Run Time: 08/22/06 15:20:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0231	.99166	-.02108	.03084	.00049	150.84	1.7376
SDev	.0046	.01503	.00356	.00066	.00029	1.65	.0184
%RSD	.44552	1.5153	16.914	2.1502	58.985	1.0910	1.0565
#1	1.0199	.98103	-.01856	.03037	.00029	149.67	1.7246
#2	1.0264	1.0023	-.02360	.03131	.00069	152.00	1.7506
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00666	79.240	.00974	.13838	.30160	.49929	H459.72
SDev	.00008	.905	.00017	.00176	.00342	.00483	6.57
%RSD	1.2308	1.1418	1.7344	1.2706	1.1351	.96743	1.4300
#1	.00660	78.600	.00962	.13714	.29918	.49587	H455.07
#2	.00672	79.880	.00986	.13962	.30402	.50270	H464.37
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.439	77.487	7.4740	2.8530	.31988	.00700	.74682
SDev	.167	.911	.0828	.0285	.00356	.00040	.00965
%RSD	1.0156	1.1756	1.1075	.99987	1.1130	5.7314	1.2928
#1	16.321	76.843	7.4154	2.8328	.31736	.00672	.73999
#2	16.557	78.132	7.5325	2.8731	.32240	.00728	.75364
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.9912	.14914	1.0021	.01355	.01320	.20783	H15.825
SDev	.0607	.00267	.0115	.00075	.00241	.00208	.145
%RSD	1.2168	1.7904	1.1516	5.4952	18.230	1.0002	.91764
#1	4.9483	.15103	.99398	.01408	.01490	.20636	H15.722
#2	5.0342	.14726	1.0103	.01303	.01150	.20930	H15.928
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	PPM	PPM	PPM	PPM	PPM
Avge	.02277	11.508	.04846	.00666	.46946	.0865
SDev	.00009	.118	.00033	.00038	.00481	.0062
%RSD	.40516	1.0221	.67798	5.6867	1.0245	7.192
#1	.02283	11.424	.04870	.00693	.46606	.0821
#2	.02270	11.591	.04823	.00640	.47286	.0909
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-13 Operator: SW
Run Time: 08/22/06 15:21:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0425	.99353	-.01119	.02931	.00117	152.27	1.7655
SDev	.0146	.00628	.00370	.00191	.00036	1.95	.0126
%RSD	1.3983	.63204	33.026	6.5131	30.511	1.2795	.71273
#1	1.0322	.98909	-.01381	.03066	.00143	150.89	1.7566
#2	1.0528	.99797	-.00858	.02796	.00092	153.64	1.7744
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00677	79.199	.01091	.14762	.29954	.51160	H467.21
SDev	.00005	.640	.00016	.00031	.00155	.00478	3.97
%RSD	.69716	.80850	1.5066	.21292	.51718	.93401	.84922
#1	.00674	78.746	.01102	.14784	.29844	.50822	H464.40
#2	.00681	79.651	.01079	.14739	.30063	.51498	H470.01
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.795	78.532	7.9740	2.8339	.32926	.00575	.73496
SDev	.212	.713	.0560	.0415	.00309	.00089	.00381
%RSD	1.2619	.90838	.70256	1.4637	.93958	15.428	.51801
#1	16.646	78.028	7.9344	2.8046	.32708	.00512	.73227
#2	16.945	79.037	8.0136	2.8632	.33145	.00638	.73765
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.0762	.15287	1.0098	.01582	.02109	.21551	H16.140
SDev	.0379	.00032	.0090	.00004	.00116	.00113	.089
%RSD	.74632	.20717	.89544	.26513	5.4793	.52585	.55275
#1	5.0494	.15310	1.0034	.01585	.02027	.21631	H16.077
#2	5.1030	.15265	1.0162	.01579	.02191	.21471	H16.204
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02303	12.284	.04533	.00720	.47965	.0877
SDev	.00157	.119	.00091	.00114	.00311	.0198
%RSD	6.8089	.96740	2.0068	15.777	.64873	22.58
#1	.02413	12.200	.04468	.00640	.47745	.1017
#2	.02192	12.368	.04597	.00801	.48185	.0737
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-14 Operator: SW
Run Time: 08/22/06 15:23:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0363	1.0002	-.01390	.03064	-.00063	153.30	1.7785
SDev	.0040	.0137	.00022	.00051	.00008	1.37	.0139
%RSD	.38649	1.3712	1.5949	1.6747	12.900	.89490	.78081
#1	1.0335	.99048	-.01375	.03101	-.00058	152.33	1.7687
#2	1.0391	1.0099	-.01406	.03028	-.00069	154.27	1.7883
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00665	79.867	.01071	.14163	.30615	.51087	H458.25
SDev	.00005	.508	.00030	.00145	.00191	.00345	3.85
%RSD	.70564	.63548	2.8476	1.0208	.62473	.67437	.84118
#1	.00661	79.508	.01093	.14061	.30480	.50843	H455.52
#2	.00668	80.226	.01050	.14265	.30750	.51330	H460.97
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.788	81.324	7.8248	2.9351	.33010	.00722	.70443
SDev	.128	.549	.0542	.0260	.00153	.00139	.00533
%RSD	.76292	.67517	.69314	.88574	.46404	19.323	.75644
#1	16.697	80.935	7.7864	2.9167	.32901	.00623	.70066
#2	16.878	81.712	7.8631	2.9535	.33118	.00821	.70819
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.0470	.14880	1.0122	.01581	.01915	.21535	H15.287
SDev	.0334	.00108	.0105	.00042	.00201	.00136	.093
%RSD	.66221	.72442	1.0355	2.6320	10.501	.63154	.61106
#1	5.0234	.14803	1.0048	.01610	.01772	.21439	H15.221
#2	5.0707	.14956	1.0196	.01552	.02057	.21631	H15.353
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02194	11.155	.04995	.00584	.48980	.0569
SDev	.00059	.067	.00129	.00153	.00360	.0031
%RSD	2.6808	.60114	2.5744	26.108	.73541	5.475
#1	.02153	11.107	.05086	.00692	.48725	.0591
#2	.02236	11.202	.04904	.00477	.49235	.0547
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-15 Operator: SW
Run Time: 08/22/06 15:25:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.99993	.96988	-.01443	.02899	-.00019	152.25	1.8213
SDev	.00163	.01255	.01323	.00393	.00101	.55	.0136
%RSD	.16257	1.2938	91.657	13.544	533.81	.36388	.74859
#1	1.0011	.96101	-.00508	.02621	-.00090	151.86	1.8116
#2	.99878	.97876	-.02379	.03177	.00053	152.64	1.8309
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00673	81.513	.01106	.15164	.29891	.51913	H476.28
SDev	.00002	.285	.00012	.00105	.00219	.00279	2.91
%RSD	.34358	.34999	1.0875	.69289	.73371	.53824	.61177
#1	.00671	81.311	.01097	.15089	.29735	.51716	H474.22
#2	.00675	81.714	.01114	.15238	.30046	.52111	H478.34
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.251	81.558	8.0651	3.3222	.32214	.00730	.71278
SDev	.071	.332	.0421	.0148	.00349	.00626	.00420
%RSD	.43439	.40651	.52150	.44518	1.0836	85.824	.58890
#1	16.201	81.324	8.0354	3.3117	.31967	.00287	.70981
#2	16.301	81.793	8.0948	3.3326	.32460	.01173	.71574
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.0838	.15024	.97989	.01453	.01865	.21294	H14.631
SDev	.0218	.00163	.00783	.00179	.00219	.00464	.090
%RSD	.42821	1.0840	.79888	12.298	11.771	2.1766	.61724
#1	5.0684	.15139	.97435	.01579	.02020	.20967	H14.567
#2	5.0992	.14909	.98543	.01327	.01710	.21622	H14.695
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02069	9.5905	.05046	.00665	.48034	.0560
SDev	.00030	.0375	.00125	.00062	.00372	.0379
%RSD	1.4499	.39124	2.4774	9.3446	.77381	67.67
#1	.02048	9.5640	.05135	.00709	.47771	.0292
#2	.02091	9.6170	.04958	.00621	.48297	.0828
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-16 Operator: SW
Run Time: 08/22/06 15:27:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.89162	.86688	-.01071	.01971	.00075	127.79	1.4817
SDev	.00108	.01013	.00082	.00280	.00002	.79	.0006
%RSD	.12132	1.1689	7.6895	14.182	2.1015	.61942	.04300
#1	.89086	.85972	-.01013	.01773	.00074	127.23	1.4822
#2	.89238	.87405	-.01130	.02168	.00077	128.35	1.4813
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00573	68.723	.01022	.11859	.26201	.43651	H369.26
SDev	.00000	.103	.00016	.00061	.00030	.00126	.80
%RSD	.00142	.15055	1.5234	.51885	.11258	.28866	.21799
#1	.00573	68.796	.01011	.11902	.26222	.43562	H369.83
#2	.00573	68.650	.01033	.11815	.26180	.43740	H368.69
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	14.143	69.334	6.4241	2.4507	.28190	.00500	.60675
SDev	.080	.004	.0108	.0235	.00045	.00749	.00038
%RSD	.56294	.00568	.16841	.95756	.15878	149.88	.06217
#1	14.086	69.337	6.4318	2.4341	.28222	.01029	.60649
#2	14.199	69.332	6.4165	2.4673	.28159	-.00030	.60702
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.4277	.12607	.87512	.00958	.01607	.18730	H13.164
SDev	.0094	.00391	.00712	.00159	.00609	.00131	.016
%RSD	.21202	3.1014	.81351	16.600	37.888	.70001	.12441
#1	4.4344	.12883	.87009	.00845	.02038	.18637	H13.176
#2	4.4211	.12330	.88015	.01070	.01177	.18822	H13.153
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01975	9.4954	.04932	.00550	.42538	.0870
SDev	.00102	.0155	.00231	.00127	.00029	.0045
%RSD	5.1453	.16305	4.6800	23.149	.06863	5.189

#1	.02046	9.5064	.05095	.00640	.42559	.0902
#2	.01903	9.4845	.04769	.00460	.42518	.0838
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-17 Operator: SW
Run Time: 08/22/06 15:29:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0249	.97590	-.00945	.02240	.00047	148.64	1.7165
SDev	.0013	.00796	.00025	.00290	.00023	1.28	.0191
%RSD	.13152	.81617	2.6597	12.964	49.489	.86231	1.1118
#1	1.0259	.97027	-.00927	.02034	.00064	147.73	1.7030
#2	1.0240	.98153	-.00963	.02445	.00031	149.55	1.7300
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00667	80.007	.01052	.14166	.30542	.49580	H452.33
SDev	.00006	.765	.00024	.00138	.00327	.00481	6.77
%RSD	.87678	.95665	2.2596	.97448	1.0705	.97001	1.4961
#1	.00662	79.466	.01036	.14069	.30311	.49240	H447.54
#2	.00671	80.548	.01069	.14264	.30773	.49920	H457.11
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.474	77.523	7.7817	2.7292	.32159	.00351	.73146
SDev	.122	.660	.0817	.0198	.00401	.00246	.00749
%RSD	.73811	.85106	1.0501	.72615	1.2459	70.082	1.0239
#1	16.388	77.056	7.7239	2.7152	.31875	.00177	.72616
#2	16.560	77.989	7.8395	2.7432	.32442	.00525	.73676
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.9578	.14699	.99223	.01179	.01414	.20948	H15.974
SDev	.0459	.00373	.00486	.00185	.00086	.00071	.155
%RSD	.92535	2.5405	.49019	15.714	6.0623	.34088	.97039

#1	4.9254	.14435	.98879	.01048	.01475	.20999	H15.864
#2	4.9903	.14963	.99566	.01310	.01353	.20898	H16.084
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02256	9.6061	.05109	.00693	.47327	.0886
SDev	.00197	.1108	.00223	.00050	.00486	.0165
%RSD	8.7394	1.1534	4.3628	7.2443	1.0270	18.60
#1	.02117	9.5278	.04951	.00658	.46984	.1002
#2	.02395	9.6845	.05266	.00729	.47671	.0769
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-18 Operator: SW
Run Time: 08/22/06 15:30:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.99828	.97141	-.01870	.03128	.00054	147.61	1.8121
SDev	.00061	.00695	.00193	.00164	.00091	1.56	.0056
%RSD	.06078	.71544	10.303	5.2311	168.67	1.0552	.30902
#1	.99785	.96650	-.01734	.03012	.00118	146.51	1.8081
#2	.99871	.97633	-.02007	.03244	-.00010	148.72	1.8161
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00675	82.194	.01224	.15713	.28722	.49558	H473.72
SDev	.00002	.572	.00001	.00015	.00164	.00272	3.71
%RSD	.34531	.69560	.04354	.09390	.57257	.54957	.78348
#1	.00673	81.790	.01223	.15702	.28606	.49366	H471.09
#2	.00677	82.598	.01224	.15723	.28838	.49751	H476.34
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.092	76.409	9.0544	2.8068	.32529	.00586	.76514
SDev	.158	.599	.0528	.0366	.00162	.00223	.00330
%RSD	.98327	.78415	.58264	1.3023	.49678	37.992	.43125

#1	15.980	75.986	9.0171	2.7810	.32415	.00429	.76281
#2	16.203	76.833	9.0917	2.8327	.32643	.00744	.76748
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.9897	.15262	.98036	.01464	.01550	.20872	H16.628
SDev	.0345	.00176	.00484	.00045	.00362	.00075	.099
%RSD	.69187	1.1541	.49345	3.0728	23.364	.35778	.59568
#1	4.9653	.15387	.97694	.01432	.01294	.20925	H16.558
#2	5.0141	.15138	.98378	.01495	.01806	.20820	H16.698
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02157	11.683	.04923	.00739	.46918	.0955
SDev	.00001	.120	.00181	.00012	.00130	.0165
%RSD	.05349	1.0229	3.6838	1.6402	.27722	17.24
#1	.02157	11.599	.05051	.00730	.46826	.1071
#2	.02156	11.768	.04794	.00747	.47010	.0839
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-19 Operator: SW
Run Time: 08/22/06 15:32:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0300	.99276	-.01651	.02621	.00084	147.88	1.8049
SDev	.0006	.00269	.00860	.00029	.00040	.08	.0018
%RSD	.05418	.27079	52.084	1.1140	47.590	.05200	.10026
#1	1.0296	.99086	-.01043	.02642	.00113	147.93	1.8037
#2	1.0304	.99466	-.02259	.02600	.00056	147.83	1.8062
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00663	81.086	.01199	.14910	.30135	.49596	H454.96
SDev	.00002	.223	.00005	.00044	.00045	.00066	1.36
%RSD	.36257	.27524	.38379	.29569	.14858	.13248	.29820

#1	.00661	30.929	.01196	.14878	.30103	.49643	H454.00
#2	.00664	81.244	.01202	.14941	.30167	.49550	H455.92
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.400	77.373	8.3251	2.8765	.34033	.00826	.71862
SDev	.017	.224	.0197	.0021	.00227	.00505	.00000
%RSD	.10198	.28976	.23703	.07232	.66692	61.162	.00015
#1	16.388	77.214	8.3111	2.8750	.33872	.01184	.71862
#2	16.412	77.531	8.3390	2.8780	.34193	.00469	.71862
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.0707	.14727	1.0052	.01198	.01592	.20831	H15.127
SDev	.0221	.00062	.0020	.00306	.00078	.00062	.025
%RSD	.43500	.41837	.19688	25.522	4.8833	.29620	.16225
#1	5.0551	.14684	1.0038	.01415	.01537	.20875	H15.110
#2	5.0863	.14771	1.0066	.00982	.01647	.20787	H15.144
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02252	13.823	.05149	.00639	.55484	.0872
SDev	.00053	.021	.00190	.00076	.00074	.0095
%RSD	2.3552	.14913	3.6937	11.869	.13305	10.94
#1	.02290	13.808	.05014	.00586	.55432	.0940
#2	.02215	13.838	.05283	.00693	.55537	.0805
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1-20 Operator: SW
Run Time: 08/22/06 15:34:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0837	1.0457	-.01248	.02219	.00114	147.17	1.5732
SDev	.0087	.0065	.00359	.00012	.00001	.82	.0023
%RSD	.80134	.62210	28.776	.55217	1.0095	.55682	.14554

#1	1.0775	1.0411	-.00994	.02227	.00113	147.75	1.5748
#2	1.0898	1.0503	-.01501	.02210	.00114	146.59	1.5716
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00627	73.905	.01011	.12772	.31468	.50315	H414.54
SDev	.00007	.817	.00032	.00183	.00266	.00222	4.21
%RSD	1.1373	1.1060	3.2057	1.4362	.84662	.44210	1.0164
#1	.00622	73.327	.00988	.12642	.31280	.50472	H411.56
#2	.00632	74.483	.01034	.12902	.31657	.50158	H417.52
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.585	76.997	6.6775	2.8079	.31543	.00911	.63446
SDev	.055	.693	.0458	.0178	.00416	.00166	.00330
%RSD	.33323	.90034	.68630	.63317	1.3194	18.225	.52038
#1	16.624	76.507	6.6451	2.8204	.31249	.00793	.63212
#2	16.546	77.488	6.7099	2.7953	.31837	.01028	.63679
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.2352	.14569	1.0583	.01064	.01773	.20840	H11.548
SDev	.0836	.00031	.0072	.00128	.00337	.00036	.031
%RSD	1.5962	.21284	.68322	12.001	19.007	.17140	.27026
#1	5.1761	.14591	1.0532	.01155	.01535	.20866	H11.526
#2	5.2943	.14547	1.0634	.00974	.02011	.20815	H11.570
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02397	14.840	.05712	.00657	.47882	.0856
SDev	.00007	.035	.00178	.00128	.00015	.0115
%RSD	.28843	.23709	3.1073	19.393	.03160	13.48
#1	.02392	14.815	.05587	.00567	.47893	.0775
#2	.02402	14.865	.05838	.00748	.47871	.0938
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00

Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/22/06 15:36:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49070	.47299	.47898	.48077	.47766	48.863	.47782
SDev	.01316	.00207	.01057	.00881	.00089	.381	.00320
%RSD	2.6824	.43806	2.2063	1.8335	.18672	.77921	.66966
#1	.48139	.47446	.47150	.47453	.47703	49.133	.48008
#2	.50000	.47153	.48645	.48700	.47829	48.594	.47555
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.47653	49.595	.47012	.47653	.48290	.48145	20.628
SDev	.00331	.258	.00330	.00321	.00361	.00100	.396
%RSD	.69436	.52114	.70155	.67392	.74668	.20844	1.9215
#1	.47419	49.412	.46779	.47426	.48035	.48216	20.908
#2	.47887	49.778	.47246	.47880	.48545	.48074	20.348
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.268	50.097	.49705	19.764	.47726	.49869	.47123
SDev	.059	.200	.00810	.073	.00295	.00171	.00153
%RSD	.30396	.39835	1.6293	.36826	.61731	.34243	.32469
#1	19.309	49.956	.50278	19.816	.47517	.49748	.47015
#2	19.227	50.238	.49133	19.713	.47934	.49989	.47231
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50247	.45810	.47889	.48017	.47641	.49070	.50584
SDev	.00294	.00632	.00300	.00940	.01016	.00471	.01687
%RSD	.58414	1.3787	.62666	1.9573	2.1318	.95994	3.3342
#1	.50455	.45364	.47677	.47352	.46923	.48737	.51777
#2	.50040	.46257	.48101	.48682	.48359	.49403	.49391
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000

Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98312	2.3146	.48881	.47691	.49092	9.605
SDev	.00254	.0344	.00500	.00547	.00088	.020
%RSD	.25881	1.4852	1.0219	1.1479	.17985	.2037
#1	.98132	2.3389	.48528	.47304	.49154	9.591
#2	.98492	2.2903	.49234	.48078	.49029	9.619
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/22/06 15:38:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00284	.00313	.00305	.00032	.00153	.17557	.00182
SDev	.00310	.00008	.00748	.00307	.00123	.05798	.00079
%RSD	109.07	2.6253	245.23	950.39	80.075	33.023	43.532
#1	.00503	.00319	.00834	-.00185	.00240	H.21657	.00237
#2	.00065	.00307	-.00224	.00250	.00067	.13457	.00126
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00143	.15738	.00120	.00164	.00199	.00188	H.14251
SDev	.00066	.06444	.00086	.00058	.00107	.00118	.04404
%RSD	46.388	40.946	71.521	35.186	53.728	62.471	30.904
#1	.00190	.20295	.00180	.00205	.00275	.00271	H.17366
#2	.00096	.11181	.00059	.00123	.00123	.00105	H.11137
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.27662	.16331	.00367	.18371	.00212	.00293	.00206
SDev	.04099	.07635	.00094	.01947	.00091	.00188	.00097
%RSD	14.818	46.753	25.597	10.601	43.002	64.175	46.915
#1	.30560	.21729	.00433	.19748	.00276	.00426	.00274
#2	.24763	.10932	.00300	.16994	.00147	.00160	.00138
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000

Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00656	.00066	H.00303	.00123	.00045	.00391	.00604
SDev	.00074	.00223	.00109	.00044	.00224	.00052	.00135
%RSD	11.304	337.38	35.828	35.816	494.75	13.424	22.280
#1	.00709	.00223	H.00380	.00154	.00203	.00428	.00699
#2	.00604	-.00091	.00226	.00092	-.00113	.00354	.00509
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00393	.03532	.00296	.00485	.00154	.0392
SDev	.00201	.01693	.00259	.00191	.00075	.0236
%RSD	51.008	47.945	87.678	39.475	48.616	60.19
#1	.00535	.04729	.00479	.00620	.00207	.0558
#2	.00252	.02335	.00112	.00350	.00101	.0225
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

HEADER INFORMATION FOR ANALYTICAL SEQUENCE T60823A

STANDARD SOLUTION CODES

MIX A High Standard (ST051103-17) exp 11/16/06

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Na,K	100

The following dilutions of MIX A high standard were made to provide additional calibration standards (prepared daily).

Standard	Dilution	Procedure
MIX A (1/2)	1/2	5ml MIX A high standard diluted to 10ml final volume
MIX A (1/10)	1/10	1ml MIX A high standard diluted to 10ml final volume
MIX A (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

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MIX B High Standard -- made fresh daily as described below

4.0ml Intermediate Mix (ST060519-4) exp 11/16/06
0.04ml 1000ug/ml Ag (ST050822-3) exp 11/16/06
brought to a final volume of 20ml. The resulting concentrations are:

Element	Concentration (ug/ml)
Ag,Sb	2
Ba,Be,Cd,Co,Cu	10
Cr,Mn,Ni,V,Zn	10
As,Pb,Se,Tl	10

The following dilutions of the MIX B high standard were made to provide additional calibration standards.

Standard	Dilution	Procedure
MIX B (1/10)	1/10	1ml of MIX B high standard to 10ml final volume
MIX B (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

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MIX C High Standard (ST051228-2) exp 11/16/06

Element	ug/ml
U,Si	50

Mo,Ti,Li	10
Sr,Sn,B	10

The following dilutions of MIX C High standard were made to provide additional calibration standards (prepared daily).

Standard	Dilution	Procedure
MIX C (1/10)	1/10	1ml MIX A high standard diluted to 10ml final volume
MIX C (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

Reporting Limit Standard (RL STD) -- made fresh daily as described below

0.1ml Intermediate RL STD (ST060519-7) exp 11/16/2006

brought to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Na,K	0.5
Ca,Mg	0.2
Al,U	0.1
Si,B, Fe	0.05
Sn,Li,Mo,Ti,Sr	0.01
Sb	0.008
Ni,Zn,As,Se,Tl	0.005
Pb	0.003
Ba,Cr,Co,Cu	0.002
Mn,Ag,V	0.002
Be,Cd	0.001

ICSA (preparation date: 08/20/06)
Made by diluting:
10ml (ST051102-38) exp 03/14/07
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200

ICSAB (prepraration date: 08/23/06)
Made by diluting:
10ml (ST051102-38) exp 03/14/07
1.0ml (ST051102-36) exp 04/14/07
1.0ml Non-TAL ICSAB Int. (ST050822-8) exp 11/16/06
1.0ml of 1000ug/ml U (ST051102-31) exp 03/20/07

to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200
U	10.0
Cd,Ni,Zn,Li,Sn	1.0
Mo,Si,Ti,Sr,B	1.0
Sb	0.6
Ba,Be,Co,Cr	0.5
Cu,Mn,V	0.5
Ag	0.2
As,Tl	0.1
Pb,Se	0.05

CCV (check standard) -- preparation date: 08/21/06
made by diluting:
0.5ml IV-7 (ST060531-3) exp 06/01/07
0.5ml IV-19 (ST060531-4) exp 06/01/07
5.0ml Major Element 2nd source (ST051228-3) exp 03/14/07
0.5ml Non-TAL CCV Int. (ST051103-14) exp 03/14/07
0.1ml of 10000ug/ml U (ST060519-5) exp 08/19/07

to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	50.5
Fe,Na	20.5
K	20.0
U	10.0
B	1.0
Ba,Be,Cd,Co,Cr,Li	0.5
Cu,Mn,Ni,Sb,V,Zn	0.5
As,Pb,Se,Tl,Mo,Ti	0.5
Ag,Sr,Sn	0.5
Si	2.25

ICV (initial calibration check standard)
Prepared by diluting CCV (described above) 1/2. The 1/2 dilution was made by diluting 5ml of CCV to 10ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	25.25
Fe,Na	10.25
K	10.0
U	5.0
B	0.5
Ba,Be,Cd,Co,Cr,Li	0.25
Cu,Mn,Ni,Sb,V,Zn	0.25
As,Pb,Se,Tl,Mo,Ti	0.25

Ag,Sr,Sn	0.25
Si	1.125

CRI (preparation date: 07/20/06)

Made by diluting:
1.0ml intermediate solution 1 (ST051103-13) exp 03/14/07
1.0ml intermediate solution 2 (ST051103-12) exp 03/14/07
1.0ml intermediate solution 3 (ST051103-11) exp 11/16/06
0.5ml 2000ug/ml Ca,Mg,Na,K (ST051107-3) exp 03/11/07
0.1ml Non-TAL Int. (ST050822-7) exp 11/16/06

to 100ml final volume.

Element	ug/ml
Ca,Mg,Na,K	10.0
Si,Sn	0.1
Fe,U,B	0.2
Al,Ba	0.4
Tl,Cr,Ag,Li,Mo	0.02
Ti,Sr	0.02
Be,Cd,Se,As	0.01
Co,V	0.1
Cu	0.05
Pb	0.006
Mn	0.03
Ni	0.08
Zn	0.04
Sb	0.12

BLANK (used for CCB) 5%HNO3,2.5%HCL in double deionized water

Acid Lot Numbers

HNO3 -- 1105100
HCl -- 4105090

Pipet ID Numbers

1.0 to 5.0ml M-55
0.1 to 1.0ml M-61
0.01 to 0.1ml M-57

Date of Multi-point calibration: 08/23/06

Interelement Interference Information

The following table summarizes spectral interferences which have been dentified and for which IEC's are used. If a sample contains a oncentration of an interfering element which exceeds the upper analytical ange and an affected element is being determined, it is necessary to dilute he sample to bring the interfering element into the analytical range.

Interfering Element and upper analytical range in ug/ml)	Affected Elements
Al (500)	Pb,Se
Fe (200)	Cd,Pb,Se,Tl
Ca (500)	Pb
Mg (500)	Pb
Ba (10)	Co
Co (10)	Al,Ni,Fe,Pb,Tl
Cr (10)	As,Sb
Mn (10)	Tl,Pb,Se
Ni (10)	Pb,Al
V (10)	Al,Be,Fe,Tl
U (50)	Al,Cr,Fe,Pb,Tl,Sn,Mo,Ag,Cu,V,Ti
Mo (10)	Sb,V,As,Pb,Sb,Co
Ti (10)	Co,Tl,Sn,Zn,Sb
Sn (10)	Se,Si

The following table lists element concentrations (ug/ml) for which no significant spectral interferences have been observed.

Element	Concentration	Element	Concentration
Pb	100	As	10
Ag	10	Tl	10
Cd	10	Se	10
Be	10	Na	500
Cu	100	K	500
Sb	10		
Zn	100		

Dilutions

5X dilutions made by diluting 1ml of sample to 5ml final volume.

2X dilutions made by diluting 5ml of sample to 10ml final volume.

3X dilutions made by diluting 2ml of sample to 6ml final volume.

10X dilutions made by diluting 1ml of sample to 10ml final volume.

20X dilutions made by diluting 0.5ml of sample to 10ml final volume.

25X dilutions made by diluting 0.2ml of sample to 5ml final volume.

50X dilutions made by diluting 0.1ml of sample to 5ml final volume.

200X dilutions made by diluting 0.05ml of sample to 10ml final volume.

100X dilutions made by diluting 0.1ml of sample to 10ml final volume.

500X dilutions made by diluting 0.02ml of sample to 10ml final volume.

ANALYTICAL SPIKES

0608081-1A 3X post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Sb 1.0

0.05ml of "IV-19 Spike" (ST060531-4) brought to 5ml final volume with 3X dilution of digestate.

0608089-1A post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Mg 101.0 B 1.0

0.05ml of 10000ug/ml Mg (ST050620-8)
0.05ml of "IV-7 Spike" (ST060531-3)
0.05ml of "IV-19 Spike" (ST060531-4)
brought to 5ml final volume with digestate.

0608115-6A post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Ca 101.0 B 1.0

0.05ml of 10000ug/ml Ca (ST050816-17)
0.05ml of "IV-7 Spike" (ST060531-3)

0.05ml of "IV-19 Spike" (ST060531-4)
brought to 5ml final volume with digestate.

COMMENTS

1. Please see run log and workorders for elements of interest.

ICP REVIEWER COMMENTS

Daily Maintenance Items

1. Check/Change pump tubing
2. Check/Empty drain container
3. Check and record As profile
4. Record As,Se signal:background ratios

Daily Maintenance Performed SW

Monthly Maintenance Items

1. Check/Clean torch for deposits
2. Check/Clean nebulizer and spray chamber
3. Fill water recirculating reservoir
4. Clean air filters
5. Check/Fill vacuum pump oil

Monthly Maintenance Performed on 08/21/06 (SW)

Multi-point calibrations performed at ~~beginning~~ SW 8/24/06 beginning of sequence.
(Blank; RL STD; MIX A: High, 1/2, 1/10, 1/100; MIX B: High, 1/10, 1/100; MIX C: High, 1/10, 1/100

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	MIXCHIGH	T	30EL	08/23/06	10:23	SW	Q	CONC
2	MIXBHIGH	T	30EL	08/23/06	10:25	SW	Q	CONC
3	MIXAHIGH	T	30EL	08/23/06	10:27	SW	Q	CONC
4	ICV	T	30EL	08/23/06	11:22	SW	Q	CONC
5	ICB	T	30EL	08/23/06	11:25	SW	B	CONC
6	CRI	T	30EL	08/23/06	11:27	SW	S	CONC
7	ICSA	T	30EL	08/23/06	11:30	SW	Q	CONC
8	ICSAB	T	30EL	08/23/06	11:32	SW	Q	CONC
~~9 CCV~~ SW 8/24/06		T	30EL	08/23/06	11:35	SW	Q	CONC
10	CCV	T	30EL	08/23/06	11:40	SW	Q	CONC
11	CCB	T	30EL	08/23/06	11:43	SW	B	CONC
~~12 IP060822-1MB~~ SW 8/24/06		T	30EL	08/23/06	11:45	SW	S	CONC
13	IP060822-1MB	T	30EL	08/23/06	11:49	SW	S	CONC
14	IP060822-1LCS	T	30EL	08/23/06	11:51	SW	S	CONC
15	0608089-1 ① - ②	T	30EL	08/23/06	11:57	SW	S	CONC
16	0608089-1D	T	30EL	08/23/06	11:59	SW	S	CONC
17	0608089-1L 5X	T	30EL	08/23/06	12:02	SW	S	CONC
18	0608089-1MS	T	30EL	08/23/06	12:04	SW	S	CONC
19	0608089-1MSD	T	30EL	08/23/06	12:07	SW	S	CONC
20	0608089-2	T	30EL	08/23/06	12:09	SW	S	CONC
21	IP060822-2MB	T	30EL	08/23/06	12:12	SW	S	CONC
22	CCV	T	30EL	08/23/06	12:14	SW	Q	CONC
23	CCB	T	30EL	08/23/06	12:17	SW	B	CONC
24	IP060822-2LCS	T	30EL	08/23/06	12:19	SW	S	CONC
25	0608110-2 ①	T	30EL	08/23/06	12:22	SW	S	CONC
26	0608115-1 ① - ②	T	30EL	08/23/06	12:24	SW	S	CONC
27	0608115-2 ①	T	30EL	08/23/06	12:27	SW	S	CONC
28	0608115-3 ① - ③	T	30EL	08/23/06	12:29	SW	S	CONC
29	0608115-4	T	30EL	08/23/06	12:32	SW	S	CONC
30	0608115-5 ① - ③	T	30EL	08/23/06	12:35	SW	S	CONC
31	0608115-6	T	30EL	08/23/06	12:37	SW	S	CONC
32	0608115-6D	T	30EL	08/23/06	12:40	SW	S	CONC
33	0608115-6L 5X	T	30EL	08/23/06	12:42	SW	S	CONC
34	CCV	T	30EL	08/23/06	12:57	SW	Q	CONC
35	CCB	T	30EL	08/23/06	12:59	SW	B	CONC
36	0608115-6MS	T	30EL	08/23/06	13:02	SW	S	CONC
37	0608115-6MSD	T	30EL	08/23/06	13:04	SW	S	CONC
38	0608135-1 ①	T	30EL	08/23/06	13:07	SW	S	CONC
39	0608081-1A 3X Sb	T	30EL	08/23/06	13:38	SW	S	CONC
40	0608089-1A B, Mg	T	30EL	08/23/06	13:41	SW	S	CONC

① = (TAL + B, Mo, Li) - Sb, Cd, Tl, Ni
② = Ca, Pb
③ = ~~Fe~~ Mn, Pb, Se SW 8/24/06

Ni will be determined in next sequence.
(Ni failed ending CCB a)

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
41	0608115-6A B, Ca	T	30EL	08/23/06	13:43	SW	S	CONC
42	0608089-1 3X Ca, Pb	T	30EL	08/23/06	13:46	SW	S	CONC
43	0608089-1D 3X	T	30EL	08/23/06	13:48	SW	S	CONC
44	0608089-1L 15X	T	30EL	08/23/06	13:53	SW	S	CONC
45	0608089-1MS 3X	T	30EL	08/23/06	13:55	SW	S	CONC
46	CCV	T	30EL	08/23/06	13:58	SW	Q	CONC
47	CCB	T	30EL	08/23/06	14:00	SW	B	CONC
48	0608089-1MSD 3X	T	30EL	08/23/06	14:03	SW	S	CONC
49	0608089-2 3X	T	30EL	08/23/06	14:06	SW	S	CONC
50	0608115-1 2X	T	30EL	08/23/06	14:07	SW	S	CONC
51	0608115-3 3X	T	30EL	08/23/06	14:09	SW	S	CONC
52	0608115-4 2X	T	30EL	08/23/06	14:11	SW	S	CONC
53	0608115-5 2X Mn, Pb, Se	T	30EL	08/23/06	14:13	SW	S	CONC
54	0608115-6 2X	T	30EL	08/23/06	14:15	SW	S	CONC
55	0608115-6D 2X	T	30EL	08/23/06	14:16	SW	S	CONC
56	0608115-6L 10X	T	30EL	08/23/06	14:18	SW	S	CONC
57	0608115-6MS 2X	T	30EL	08/23/06	14:20	SW	S	CONC
58	CCV	T	30EL	08/23/06	14:22	SW	Q	CONC
59	CCB ← Ni; Mg (contaminated solution)	T	30EL	08/23/06	14:24	SW	B	CONC
60	0608115-6MSD 2X Mn, Pb, Se	T	30EL	08/23/06	14:26	SW	S	CONC
61	CRI	T	30EL	08/23/06	14:28	SW	S	CONC
62	ICSA	T	30EL	08/23/06	14:30	SW	Q	CONC
63	ICSAB	T	30EL	08/23/06	14:32	SW	Q	CONC
64	CCV	T	30EL	08/23/06	14:34	SW	Q	CONC
65	CCB ← Ni, Mg	T	30EL	08/23/06	14:37	SW	B	CONC

#	Element	MIXCHIGH	MIXBHIGH	MIXAHIGH	ICV	ICB	CRI
1	Al	.18220	.08097	491.58	24.763	.02960	.39098
2	Sb	-.02293	2.0125	.01829	.26308	-.00028	.12352
3	As	-.01685	10.085	.01644	.24575	.00004	.00934
4	Ba	.00002	10.102	.02440	.24553	-.00035	.42103
5	Be	.00417	10.101	.01691	.24799	.00001	.01044
6	Cd	-.00139	10.041	.01256	.24705	-.00004	.01052
7	Ca	.10815	.12885	496.75	25.094	.01825	9.7007
8	Cr	-.00704	10.055	.01920	.26016	.00063	.02070
9	Co	.01217	10.074	.01892	.24636	-.00049	.10485
10	Cu	.00751	10.149	.01265	.24877	-.00044	.05249
11	Fe	.08375	.52450	197.97	10.007	-.00978	.16960
12	Pb	-.01284	9.9681	.02032	.24482	-.00128	.00601
13	Mg	.28783	-.00105	496.43	25.302	.02421	9.6856
14	Mn	.00539	10.058	.02592	.24437	-.00028	.03095
15	Ni	.00232	10.070	.01940	.25557	.00036	.08364
16	K_	.12819	.04650	98.909	9.9539	.07157	8.9118
17	Se	.00687	9.9701	.02547	.24604	-.00189	.00935
18	Ag	-.01636	2.0102	.01083	.24729	.00056	.02162
19	Na	.28155	.12620	99.322	10.091	.08593	8.9052
20	Tl	.00314	9.9289	.01771	.25103	.00214	.02044
21	V_	.01179	10.074	.02099	.24072	-.00029	.10342
22	Zn	.01457	10.018	.03035	.24536	-.00117	.04351
23	Li	10.042	.01520	.00644	.23488	.00138	.02460
24	Ti	9.9873	.01669	.00499	.24412	-.00037	.02007
25	B	10.022	.04240	.01089	.48703	.00090	.20492
26	Si	50.400	.09880	.01677	1.0925	-.00091	.10707
27	Sn	10.002	.01388	.00382	.24350	-.00036	.10058
28	Mo	10.050	.08201	.01236	.24607	.00083	.02163
29	Sr	9.9615	.01391	.00699	.24047	.00005	.02130
30	U	49.96	.0374	.0567	5.001	.0123	.2052

KCV OK

#	Element	ICSA	ICSAB	CCV	CCV	CCB	IPO'-1MB
1	Al	501.68	502.92	51.396	50.369	.06473	.03692
2	Sb	.00521	.61102	.53544	.54142	.00026	-.00044
3	As	-.00143	.09594	.49432	.49640	.00110	-.00122
4	Ba	.00122	.47788	.50002	.49395	.00004	-.00009
5	Be	.00080	.46531	.49144	.49134	.00026	-.00005
6	Cd	-.00208	.88991	.48756	.48806	.00039	.00001
7	Ca	519.80	507.62	50.974	50.536	.05960	.05815
8	Cr	.00138	.44125	.48511	.48569	.00285	.00092
9	Co	.00258	.44798	.48534	.48609	.00062	-.00015
10	Cu	-.00616	.49191	.50038	.49451	.00173	.00083
11	Fe	201.89	199.36	20.540	20.240	.03697	.03226
12	Pb	.00073	.04423	.48060	.48334	-.00027	-.00122
13	Mg	520.76	510.99	50.961	50.680	.07075	.02166
14	Mn	.00712	.44540	.48196	.47640	.00036	.00003
15	Ni	.00389	.86493	.48113	.48167	.00200	.00084
16	K_	.05788	-.14698	20.188	19.811	.17037	.06942
17	Se	.00618	.05024	.48477	.48699	-.00168	.00042
18	Ag	.00086	.19668	.49797	.49614	.00147	.00055
19	Na	.15975	.11491	023.061	20.364	.09282	.09607

SW 8/24/06

Ignore SW
'J' mat 8/24/06

#	Element	ICSA	ICSAB	CCV	CCV	CCB	IPO'-1MB
20	Tl	.00845	.09254	.48476	.48925	.00321	.00384
21	V_	.00491	.46072	.48239	.48156	.00079	-.00020
22	Zn	.01050	.87849	.48200	.48304	-.00050	.00870
23	Li	.00257	1.0606	.48514	.48746	.00179	.00124
24	Ti	.00337	.93701	.50114	.49097	.00134	.00060
25	B	.00252	.94829	.96427	.96466	.00422	.00230
26	Si	-.00232	.94786	2.1689	2.1502	.00458	.02037
27	Sn	.00296	.94594	.48158	.48375	.00190	.00205
28	Mo	.00066	.96813	.49926	.49809	.00322	.00031
29	Sr	.00571	.95516	.49496	.48644	.00041	.00033
30	U	.0406	9.337	10.15	10.10	.0472	.0064

#	Element	IPO'-1MB	IPO'1LCS	060'89-1	060'9-1D	060'L 5X	060'-1MS
1	Al	.02362	1.6760	72.911	69.986	15.137	113.44
2	Sb	.00034	.52389	.00517	.00490	-.00053	.23032
3	As	-.00020	1.9665	.06773	.05657	.01265	1.9205
4	Ba	-.00029	1.9540	.75873	.72348	.16322	2.7717
5	Be	-.00005	.04874	.00613	.00608	.00132	.05272
6	Cd	-.00007	.04817	.00840	.01656	.00183	.04937
7	Ca	.01349	38.542	H1174.6	H1325.8	204.56	H1040.5
8	Cr	.00052	.18806	.16961	.18467	.03730	.38224
9	Co	.00002	.48416	.07408	.07494	.01613	.51505
10	Cu	.00068	.24587	.16455	.15633	.03523	.41935
11	Fe	.00224	.86502	151.18	144.00	30.636	167.17
12	Pb	-.00094	.47896	.26772	.23571	.05932	.68707
13	Mg	.01845	38.340	93.913	93.641	20.114	118.35
14	Mn	-.00038	.46854	4.7966	5.7656	1.0591	7.3407
15	Ni	.00003	.47689	.23198	.23197	.05284	.68595
16	K_	.14429	35.505	10.051	10.319	2.0015	50.739
17	Se	.00020	1.8717	.00059	-.00098	.00012	1.7847
18	Ag	.00089	.04601	.00062	-.00075	.00059	.04598
19	Na	.08203	36.316	.65410	.72174	.19990	40.915
20	Tl	.00047	1.8956	.00419	.00634	.00683	1.7018
21	V_	.00024	.47995	.14320	.13763	.03110	.60254
22	Zn	-.00117	.48109	.82532	2.2250	.18637	1.3587
23	Li	.00135	.48378	.16917	.18380	.03525	.72339
24	Ti	.00031	.48545	.76264	.72436	.16226	1.2299
25	B	.00169	.93547	.04005	.04136	.00959	.83621
26	Si	-.00009	L1.5871	6.4707	7.4824	1.4167	12.927
27	Sn	.00079	.47741	.01183	.01313	.00277	.44175
28	Mo	.00092	.97952	.00276	.00408	-.00003	.87959
29	Sr	.00005	.47697	.80302	.91340	.17048	1.2046
30	U	.0272	-.0552	.0157	-.0227	.0226	.0026

#	Element	060'1MSD	060'89-2	IPO'-2MB	CCV	CCB	IPO'2LCS
1	Al	106.48	72.019	.05896	51.257	.07431	1.7051
2	Sb	.23537	.00409	-.00137	.54438	.00237	.52908
3	As	1.9195	.06290	.00142	.49559	.00128	1.9729
4	Ba	2.6369	.78479	.00012	.49672	.00015	1.9730
5	Be	.05274	.00618	-.00009	.49167	.00027	.04870

#	Element	060'1MSD	060'89-2	IPO'-2MB	CCV	CCB	IPO'2LCS
6	Cd	.05559	.00527	-.00017	.48830	.00042	.04809
7	Ca	H1116.8	H1041.5	.41681	50.214	.08029	38.147
8	Cr	.35202	.16423	.00036	.48617	.00341	.18858
9	Co	.50544	.06846	-.00049	.48726	.00070	.48526
10	Cu	.40129	.15753	.00096	.50031	.00163	.24680
11	Fe	153.37	148.15	.07992	20.280	.04255	.83849
12	Pb	.66369	.22011	-.00013	.47968	-.00021	.47934
13	Mg	126.81	122.87	.07487	50.848	.08442	38.341
14	Mn	5.4160	4.7396	.00244	.47635	.00058	.46785
15	Ni	.66313	.21573	-.00015	.48271	.00180	.47673
16	K_	49.970	10.033	.05186	20.020	.15904	35.892
17	Se	1.7781	.00389	.00135	.48936	-.00127	1.8877
18	Ag	.04675	-.00063	-.00012	.49979	.00187	.04759
19	Na	40.625	.69640	.08490	20.675	.09241	36.759
20	Tl	1.6879	.00710	.00486	.48864	.00419	1.9092
21	V_	.59346	.14383	-.00029	.48346	.00124	.48050
22	Zn	1.2717	.78164	.00348	.48136	-.00023	.47914
23	Li	.71378	.15788	.00146	.49032	.00164	.49349
24	Ti	1.1702	.79638	.00134	.49241	.00123	.48599
25	B	.83529	.03996	.00146	.96412	.00357	.94121
26	Si	11.746	7.9511	.02879	2.1726	.00751	L1.5625
27	Sn	.44346	.01332	.00428	.48436	.00215	.47452
28	Mo	.87681	.00551	.00144	.49672	.00295	.98288
29	Sr	1.2480	.73722	.00051	.48930	.00043	.48052
30	U	.0158	-.0073	-.0035	10.16	.0542	-.0300

#	Element	060'10-2	060'15-1	060'15-2	060'15-3	060'15-4	060'15-5
1	Al	49.466	73.452	73.901	51.063	82.384	77.943
2	Sb	.00553	.00198	.00410	.00242	.00559	.00553
3	As	.04982	.03409	.03273	.04378	.03830	.04976
4	Ba	.19647	.19316	.19303	.73206	.98116	.75245
5	Be	.00383	.00358	.00329	.00480	.00606	.00590
6	Cd	-.00233	-.00292	-.00282	-.00169	-.00207	-.00363
7	Ca	4.2370	H506.53	344.34	H1295.1	H632.83	190.30
8	Cr	.07430	.07946	.07641	.08635	.35274	.12046
9	Co	.05789	.03325	.03469	.05948	.08742	.09071
10	Cu	.04830	.06054	.05588	.11086	.10030	.04889
11	Fe	126.39	169.72	152.66	133.55	148.72	179.00
12	Pb	.05798	.08082	.08951	.14881	.13726	.13417
13	Mg	3.3719	31.336	24.545	132.00	164.61	34.986
14	Mn	2.4267	.94498	.81652	3.3445	5.0365	H10.649
15	Ni	.04661	.06331	.05965	.07090	.19937	.05152
16	K_	4.0451	8.5452	7.6866	7.1233	9.9709	5.3910
17	Se	.00471	.00062	.00102	.00113	.00159	.00435
18	Ag	.00019	-.00135	-.00044	-.00072	-.00024	-.00126
19	Na	.15380	.38729	.31094	.66148	.63015	.49848
20	Tl	.00288	.00726	.00391	.00330	.00453	.00252
21	V_	.10758	.12156	.12354	.11958	.15479	.19536
22	Zn	.16576	.21967	.19495	.37388	.29678	.17329
23	Li	.03860	.07465	.06529	.08566	.15772	.05295
24	Ti	.48936	.56584	.59064	.50285	.99228	.73441
25	B	.01442	.02933	.02386	.02942	.04542	.01221

#	Element	060'10-2	060'15-1	060'15-2	060'15-3	060'15-4	060'15-5
26	Si	5.1505	5.6577	6.2830	5.6190	15.847	7.0631
27	Sn	.00698	.00846	.00793	.01071	.01124	.01009
28	Mo	.00659	.00452	.00364	.00452	.00962	.00445
29	Sr	.01633	.48185	.35305	.88075	.39531	.18762
30	U	.0367	-.0234	.0008	-.0289	.0150	.0129

#	Element	060'15-6	060'5-6D	060'L 5X	CCV	CCB	060'-6MS
1	Al	96.046	102.17	18.621	50.560	.06475	140.19
2	Sb	.00494	.00835	-.00404	.54158	-.00229	.23873
3	As	.05193	.05351	.00803	.49783	.00030	1.9859
4	Ba	.79362	.67431	.16406	.49028	-.00012	2.7691
5	Be	.00602	.00532	.00118	.49079	.00025	.05469
6	Cd	-.00340	-.00421	-.00091	.49017	.00023	.04426
7	Ca	21.232	12.247	4.2817	50.539	.06046	59.459
8	Cr	.12781	.14268	.02603	.48639	.00162	.32238
9	Co	.10938	.09945	.02201	.48606	-.00037	.59660
10	Cu	.05201	.05949	.01068	.49032	.00076	.31485
11	Fe	166.76	198.83	31.546	20.214	.02472	166.90
12	Pb	.16566	.18241	.03437	.48149	.00045	.65280
13	Mg	13.572	8.2532	2.8281	50.944	.06203	53.072
14	Mn	H13.040	H10.334	2.6777	.47370	.00018	H13.145
15	Ni	.06088	.06089	.01290	.48368	.00090	.55152
16	K_	4.2501	4.4641	.95061	19.820	.07913	40.914
17	Se	.00438	.00775	.00145	.48890	-.00072	1.8635
18	Ag	-.00083	-.00014	-.00079	.49533	.00021	.04698
19	Na	.18674	.17674	.11538	20.422	.08788	38.207
20	Tl	.00370	.00402	.00671	.49106	.00267	1.8680
21	V_	.20650	.21899	.04204	.47992	.00006	.69008
22	Zn	.19600	.20762	.04013	.48492	-.00103	.78961
23	Li	.05091	.05424	.01112	.48949	.00157	.60942
24	Ti	.89976	.88552	.18509	.48879	.00078	1.1390
25	B	.00911	.00986	.00214	.95788	.00188	.75034
26	Si	7.5398	7.4964	1.6238	2.1461	.00402	9.6141
27	Sn	.00868	.01037	.00199	.48520	.00060	.46147
28	Mo	.00400	.00721	.00082	.49343	.00197	.93650
29	Sr	.03454	.03208	.00699	.48423	.00037	.51314
30	U	.0079	.0353	-.0222	10.04	.0078	.0303

#	Element	060'6MSD	060'35-1	060'A 3X	060'9-1A	060'5-6A	060'1 3X
1	Al	135.75	77.289	51.118	72.320	91.828	25.541
2	Sb	.22272	.00200	1.0718	1.0377	1.0682	.00176
3	As	1.9662	.04555	1.0607	1.0368	1.0480	.02408
4	Ba	2.6681	.57890	.59269	1.6511	1.7375	.27222
5	Be	.05397	.00542	.98355	.93360	.99241	.00278
6	Cd	.04430	-.00344	.98896	.87815	.96631	.00392
7	Ca	52.402	44.240	27.322	H1117.4	126.06	346.62
8	Cr	.31331	.10874	1.0887	1.0463	1.0950	.06164
9	Co	.57652	.08525	1.0374	.94807	1.0831	.02718
10	Cu	.31716	.03175	1.1749	1.1034	1.0658	.05753
11	Fe	164.67	151.00	133.00	146.56	157.95	51.359

#	Element	060'6MSD	060'35-1	060'A 3X	060'9-1A	060'5-6A	060'1 3X
12	Pb	.62794	.12329	1.3433	1.1342	1.1228	.09752
13	Mg	48.527	9.4911	27.848	193.15	13.939	33.329
14	Mn	H10.848	7.8479	3.4992	5.4793	H13.294	1.7309
15	Ni	.54407	.04235	1.0980	1.0886	1.0286	.08582
16	K_	40.470	3.3686	5.8268	20.489	13.421	3.3805
17	Se	1.8746	.00660	1.0076	.94818	.97920	.00140
18	Ag	.04642	-.00164	-.00096	.98180	1.0027	.00070
19	Na	37.940	.23387	.95212	1.8110	1.1922	.27660
20	Tl	1.8585	.00337	.98934	.89503	.97401	.00717
21	V_	.67503	.18531	1.2025	1.0221	1.1509	.05201
22	Zn	.78004	.15298	2.6560	1.6599	1.1512	.30260
23	Li	.60113	.04099	.06870	.16646	.05404	.05907
24	Ti	1.0947	.73693	6.4103	1.6743	1.8576	.26958
25	B	.73406	.00849	.00911	.95777	.95518	.01646
26	Si	9.6753	7.6154	3.0095	8.3910	8.6462	2.5079
27	Sn	.45718	.00974	.01620	.01072	.01061	.00291
28	Mo	.92775	.00720	.98652	.93501	1.0016	.00338
29	Sr	.51372	.06217	.15922	.78064	.03511	.28510
30	U	.0106	-.0087	.0206	.0232	.0306	.0048

#	Element	060'D 3X	060' 15X	060'S 3X	CCV	CCB	060'D 3X
1	Al	24.778	4.8864	40.550	51.350	.07425	37.979
2	Sb	-.00271	.00180	.06686	.51310	-.00089	.06899
3	As	.02050	.00559	.68621	.50309	.00010	.68177
4	Ba	.26072	.05539	1.0138	.50101	.00010	.96086
5	Be	.00218	.00045	.01864	.49562	.00036	.01867
6	Cd	.00630	.00083	.01797	.49380	.00027	.02049
7	Ca	373.24	66.815	325.16	51.239	.08667	342.69
8	Cr	.06651	.01379	.13807	.48929	.00181	.12722
9	Co	.02677	.00646	.18808	.49049	.00025	.18537
10	Cu	.05497	.01282	.14779	.49914	.00131	.14132
11	Fe	49.126	9.9835	57.511	20.469	.03834	52.904
12	Pb	.08603	.01945	.25296	.48415	-.00013	.24400
13	Mg	33.359	6.8225	42.408	51.316	.07567	45.291
14	Mn	2.0815	.36277	2.6681	.48255	.00059	1.9714
15	Ni	.08571	.01987	.25549	.48715	.00331	.24570
16	K_	3.5014	.73652	18.408	20.054	.12398	18.158
17	Se	.00068	-.00050	.64542	.49337	.00257	.65192
18	Ag	-.00033	.00177	.01423	.50030	.00043	.01517
19	Na	.29612	.13801	14.734	20.621	.09200	14.647
20	Tl	.00738	.00880	.62892	.49277	.00481	.63054
21	V_	.04868	.01101	.21647	.48527	.00033	.21333
22	Zn	.81459	.10118	.50163	.48684	-.00073	.46831
23	Li	.06545	.01190	.25198	.48523	.00175	.25118
24	Ti	.25948	.05459	.44452	.49607	.00125	.42866
25	B	.01557	.00482	.30747	.97679	.00222	.30609
26	Si	2.9081	.51403	4.9252	2.1853	.00879	4.7151
27	Sn	.00294	.00277	.15538	.48841	.00119	.15830
28	Mo	.00152	.00154	.30878	.50201	.00241	.30768
29	Sr	.32689	.05703	.43694	.49426	.00053	.45090
30	U	-.0099	.0466	-.0521	10.18	.0145	-.0273

#	Element	060'D 2X	060' 10X	060'S 2X	CCV	CCB	060'D 2X
20	Tl	.00565	.00403	.96755	.49340	.00628	.97322
21	V_	.11134	.02141	.35083	.48309	.00042	.35039
22	Zn	.10686	.02034	.40217	.48872	-.00080	.40206
23	Li	.02742	.00605	.30025	.48750	.00182	.30058
24	Ti	.45805	.09652	.58474	.49142	.00152	.57556
25	B	.00464	.00158	.38884	.96760	.00258	.39086
26	Si	4.6171	1.0050	5.9085	2.1848	.01362	5.9997
27	Sn	.00639	-.00094	.23003	.48740	.00178	.23406
28	Mo	.00436	-.00079	.46203	.49974	.00329	.46795
29	Sr	.01637	.00352	.25677	.48677	.00065	.26443
30	U	.0165	.0059	.0364	10.07	.0159	.0043

#	Element	CRI	ICSA	ICSAB	CCV	CCB
1	Al	.43659	508.58	502.85	52.206	.09425
2	Sb	.11723	.00743	.59014	.51686	-.00089
3	As	.01141	-.00105	.09309	.49893	-.00041
4	Ba	.41713	.00207	.47700	.49616	.00007
5	Be	.01045	.00078	.46783	.49341	.00034
6	Cd	.01060	-.00107	.89899	.49312	.00041
7	Ca	9.6110	514.02	509.39	51.948	.09800
8	Cr	.02031	.00238	.44437	.48802	.00180
9	Co	.10451	.00290	.45024	.48907	.00000
10	Cu	.05222	-.00523	.49100	.49854	.00119
11	Fe	.22974	201.22	199.69	20.758	.04209
12	Pb	.00714	.00092	.04423	.48343	-.00025
13	Mg	9.6485	523.30	517.48	52.328	.09777
14	Mn	.03469	.00785	.44646	.47944	.00068
15	Ni	.08335	.00467	.87428	.48773	H.03162
16	K_	8.9065	.01424	-.11873	20.032	.14438
17	Se	.00964	.00293	.05344	.48983	-.00016
18	Ag	.02118	.00042	.19805	.49952	.00047
19	Na	8.8417	.18125	.11470	20.592	.09163
20	Tl	.02603	.00605	.09772	.48345	.00269
21	V_	.10306	.00499	.46218	.48456	.00033
22	Zn	.04254	.01157	.88897	.48704	-.00066
23	Li	.02460	.00246	1.0640	.48678	.00186
24	Ti	.02090	.00413	.93954	.49460	.00094
25	B	.20356	.00244	.95778	.97734	.00264
26	Si	.11927	.00490	.94846	2.1709	.00968
27	Sn	.10033	.00191	.95878	.48985	.00140
28	Mo	.02361	.00162	.97595	.50682	.00276
29	Sr	.02139	.00594	.95807	.49131	.00048
30	U	.2062	.0217	9.367	10.16	.0146

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Method: 30EL Standard Name: BLANK Operator:
Run Time: 08/23/06 10:04:18
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	1.016949	-.062997	-.127494	.2384881	-.037498	1.192440	.0074996
SDev	1.013940	.615152	.515455	.4560610	.277879	.065758	.0190909
%RSD	99.70414	976.4808	404.2987	191.2301	741.0479	5.514540	254.5584
#1	.2999850	.3719814	-.491975	.5609719	.1589920	1.238938	.0209989
#2	1.733913	-.497975	.2369881	-.083996	-.233988	1.145943	-.006000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.3914804	.0764962	.0209989	-.014999	.0284986	.1469927	.0659967
SDev	.0021212	.0106061	.0424243	.042424	.0869698	.0127273	.0296970
%RSD	.5418429	13.86484	202.0305	282.8427	305.1724	8.658449	44.99770
#1	.3929803	.0689966	.0509974	.0149993	.0899955	.1379931	.0449978
#2	.3899805	.0839958	-.009000	-.044998	-.032998	.1559922	.0869956
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	19.34603	.0839958	.0164992	2.357882	-.268487	.2774861	.0029999
SDev	.08909	.1315153	.0190909	.012727	.120909	.1421214	.0127273
%RSD	.4605131	156.5736	115.7084	.5397783	45.03361	51.21746	424.2641
#1	19.40903	.1769912	.0299985	2.366882	-.182991	.3779811	.0119994
#2	19.28304	-.009000	.0029999	2.348882	-.353982	.1769912	-.006000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Avge	.0134993	.0584971	.0000000	.0000000	-.263987	.5474726	.0254987
SDev	.0233334	.1251517	.0000000	.0000000	.042424	.0106060	.1166668
%RSD	172.8483	213.9451	.0000000	.0000000	16.07061	1.937274	457.5397
#1	.0299985	.1469927	.0000000	.0000000	-.293985	.5399730	-.056997
#2	-.003000	-.029999	.0000000	.0000000	-.233988	.5549722	.1079946
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	B	Si	Sn	Mo	Sr	U
Avge	-.009000	.2774861	.0134993	.0179991	.0299985	-.304485
SDev	.156970	.0615152	.0106061	.0042424	.0084849	1.758487
%RSD	1744.197	22.16875	78.56742	23.57022	28.28427	577.5286
#1	.1019949	.2339883	.0209989	.0149993	.0239988	.9389530
#2	-.119994	.3209840	.0059997	.0209989	.0359982	-1.54792
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: RLSTD Operator:
Run Time: 08/23/06 10:05:53
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	1.252437	.3449827	-.224989	.6599670	.2729863	2.297885	.2714864
SDev	.434849	.2078790	.076364	.1272729	.0042424	.000000	.0063637
%RSD	34.72022	60.25780	33.94112	19.28473	1.554077	.0000000	2.344002
#1	1.559922	.1979901	-.170991	.5699715	.2759862	2.297885	.2669866
#2	.9449527	.4919754	-.278986	.7499625	.2699865	2.297885	.2759862
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.5789710	3.328333	.3569821	.1004950	.3434828	.3119844	.2864857
SDev	.0042424	.002121	.0212121	.0106061	.0360606	.0424243	.0700001
%RSD	.7327512	.0637357	5.942070	10.55384	10.49853	13.59821	24.43406
#1	.5819709	3.326834	.3419829	.1079946	.3689815	.3419829	.3359832
#2	.5759712	3.329833	.3719814	.0929954	.3179841	.2819859	.2369881
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	21.87490	3.269836	.3854807	12.62337	.4619769	.7169641	.0404980
SDev	.16545	.046667	.0021212	.03818	.0084849	.0084848	.0021212
%RSD	.7563661	1.427187	.5502817	.3024682	1.836641	1.183439	5.237827
#1	21.99190	3.236838	.3869806	12.59637	.4679766	.7109644	.0419979
#2	21.75791	3.302835	.3839808	12.65037	.4559772	.7229638	.0389980
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Tl	Li	Ti	B	Si
Avge	.3494825	.4994750	-.226489	.9419529	3.299835	9.262037	2.213889
SDev	.0063637	.2227275	.014848	.0084848	.152727	.006364	.042424
%RSD	1.820877	44.59232	6.555954	.9007706	4.628334	.0687088	1.916274
#1	.3539823	.3419829	-.215989	.9479526	3.407830	9.266537	2.243888
#2	.3449827	.6569672	-.236988	.9359532	3.191840	9.257537	2.183891
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sn	Mo	Sr	U
Avge	.5699715	.1844908	4.579271	6.047697
SDev	.0042424	.0021212	.031818	.016970

%RSD	.7443210	1.149764	.6948305	.2805972
#1	.5729713	.1859907	4.556772	6.059697
#2	.5669717	.1829909	4.601770	6.035698
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/100 Operator:
Run Time: 08/23/06 10:07:18
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	54.18029	73.95530	9.212540	24.86275	76.83215	24.53877
SDev	.14000	.38606	.025455	.10606	.11031	.00000
%RSD	.2583972	.5220214	.2763046	.4265833	.1435693	.0000000
#1	54.08129	73.68231	9.194540	24.93775	76.75416	24.53877
#2	54.27929	74.22829	9.230538	24.78776	76.91016	24.53877
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/10 Operator:
Run Time: 08/23/06 10:08:41
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	516.4257	690.8954	86.61017	87.53262	752.6384	245.9577
SDev	1.0415	1.9600	.27363	.11455	2.2485	.0085
%RSD	.2016743	.2836890	.3159385	.1308629	.2987444	.0034524
#1	517.1621	692.2814	86.80366	87.61362	754.2283	245.9517
#2	515.6892	689.5095	86.41668	87.45162	751.0485	245.9637

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	
IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/2 Operator:
Run Time: 08/23/06 10:10:02
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	2287.627	3034.300	389.9865	374.3183	3666.315	1029.451
SDev	7.821	16.176	1.9133	1.2049	20.962	2.225
%RSD	.3418746	.5331196	.4906115	.3218791	.5717417	.2161501
#1	2282.097	3022.862	388.6336	373.4663	3651.492	1027.878
#2	2293.157	3045.739	391.3394	375.1702	3681.137	1031.024
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXAHIGH Operator:
Run Time: 08/23/06 10:11:24
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	4281.378	5427.777	736.8066	704.5013	7269.844	1727.959
SDev	4.079	11.881	3.6421	.9524	21.804	2.753
%RSD	.0952727	.2188922	.4943136	.1351905	.2999233	.1593401
#1	4278.494	5419.376	734.2313	703.8278	7254.426	1729.906
#2	4284.263	5436.178	739.3820	705.1747	7285.262	1726.012
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: B 1/100 Operator:
Run Time: 08/23/06 10:13:08
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	13.52332	13.12284	3.854807	5.798710	3.508325	11.96790	17.43663
SDev	.90364	.46879	.296970	.029697	.061515	.03182	.03606
%RSD	6.682065	3.572307	7.703885	.5121313	1.753411	.2658654	.2068070
#1	14.16229	12.79136	4.064796	5.777711	3.464827	11.94540	17.41113
#2	12.88436	13.45433	3.644818	5.819709	3.551822	11.99040	17.46213
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	32.46738	5.552722	13.81131	6.580171	16.64617	12.70736	1.643918
SDev	.13576	.021212	.07636	.044545	.06788	.13576	.220606
%RSD	.4181347	.3820109	.5529094	.6769607	.4077736	1.068341	13.41955
#1	32.37138	5.537723	13.75731	6.611669	16.59817	12.61137	1.487926
#2	32.56337	5.567721	13.86531	6.548673	16.69416	12.80336	1.799910
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	1.690415	4.573271	9.697015	1.756412
SDev	.010606	.061516	.159091	.116667
%RSD	.6274248	1.345110	1.640620	6.642340
#1	1.682916	4.529773	9.584520	1.838908
#2	1.697915	4.616769	9.809509	1.673916
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: B 1/10 Operator:
Run Time: 08/23/06 10:14:31
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	124.5058	131.3109	42.13889	55.38173	34.56577	117.4051	167.3241
SDev	.0933	1.4827	.08061	.40515	.07849	1.0818	.2439
%RSD	.0749647	1.129173	.1912873	.7315624	.2270634	.9214407	.1457900
#1	124.5718	130.2625	42.19589	55.09524	34.51027	118.1701	167.4966
#2	124.4398	132.3594	42.08189	55.66822	34.62127	116.6402	167.1516
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	321.2614	55.03225	135.8257	64.58827	163.6133	127.9136	11.45943
SDev	.1209	.05091	.0488	.35424	.3882	.0721	.22909
%RSD	.0376355	.0925058	.0359135	.5484648	.2372528	.0563842	1.999152
#1	321.1759	55.06824	135.7912	64.83876	163.8878	127.9646	11.29744
#2	321.3469	54.99625	135.8602	64.33778	163.3388	127.8626	11.62142
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	16.69267	44.73226	94.37678	20.44098
SDev	.04879	.24394	.04030	.04667
%RSD	.2922711	.5453317	.0427060	.2282980
#1	16.72716	44.55977	94.34828	20.47398
#2	16.65817	44.90476	94.40528	20.40798
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXBHIGH Operator:
Run Time: 08/23/06 10:15:55
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	1229.667	1295.781	421.8494	542.6039	328.9500	1094.267	1529.385
SDev	3.086	8.754	.7827	3.6442	.7233	.259	12.984
%RSD	.2509900	.6755962	.1855449	.6716226	.2198918	.0236564	.8489646
#1	1227.485	1289.591	421.2959	540.0270	328.4386	1094.084	1520.204
#2	1231.849	1301.971	422.4029	545.1807	329.4615	1094.450	1538.566

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	3085.217	545.2393	1343.223	632.9744	1565.107	1254.948	114.5553
SDev	26.545	4.4524	9.696	.8697	10.574	10.649	.6873
%RSD	.8603930	.8166018	.7218491	.1373965	.6756235	.8485252	.5999463
#1	3066.447	542.0909	1336.367	633.5893	1557.630	1247.419	114.0693
#2	3103.987	548.3876	1350.080	632.3594	1572.584	1262.478	115.0412
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	163.7543	431.7174	918.4596	205.2527
SDev	.9058	5.3412	6.5482	.3861
%RSD	.5531176	1.237207	.7129551	.1880912
#1	163.1139	427.9406	913.8293	204.9797
#2	164.3948	435.4942	923.0898	205.5257
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: C 1/100 Operator:
Run Time: 08/23/06 10:17:17
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	5.201740	38.68156	22.41788	22.37588	6.515674	2.015899	53.26684
SDev	.025455	.26515	.06788	.01273	.165455	.021212	.20151
%RSD	.4893492	.6854727	.3027882	.0568812	2.539334	1.052235	.3783115
#1	5.183741	38.49408	22.36988	22.38488	6.398680	2.000900	53.12434
#2	5.219739	38.86906	22.46588	22.36688	6.632668	2.030898	53.40933
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	37.42013
SDev	2.48182
%RSD	6.632319
#1	35.66522
#2	39.17504

Factor 1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: C 1/10 Operator:
Run Time: 08/23/06 10:18:39
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	48.77606	349.7090	204.8762	200.5430	59.85751	18.42358	472.7104
SDev	.40515	.7106	.1676	.1909	.29909	.15485	1.0224
%RSD	.8306369	.2031982	.0817976	.0951971	.4996749	.8404966	.2162893
#1	48.48957	349.2065	204.7577	200.6780	59.64601	18.31408	471.9874
#2	49.06255	350.2115	204.9948	200.4080	60.06900	18.53307	473.4333
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	351.0200
SDev	1.1094
%RSD	.3160526
#1	350.2355
#2	351.8044
Factor	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXCHIGH Operator:
Run Time: 08/23/06 10:20:13
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	499.3655	3180.561	1861.422	1765.811	536.6056	163.5068	3853.850
SDev	6.0560	21.293	7.013	1.510	3.0397	1.1455	31.890

%RSD	1.212748	.6694664	.3767398	.0855341	.5664738	.7005552	.8274949
#1	495.0833	3195.617	1866.381	1766.879	534.4562	162.6969	3876.400
#2	503.6478	3165.505	1856.463	1764.743	538.7551	164.3168	3831.300
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	3156.199
SDev	39.794
%RSD	1.260818
#1	3184.338
#2	3128.061
Factor	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL
Mode: Concentration
Standards Table: 6010I
Data File: 6010CAL

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
2203/1	220.351	08/23/06 10:22	Full Fit	1.000000
2203/2	220.352/2	08/23/06 10:22	Full Fit	1.000000
1960/1	196.021	08/23/06 10:22	Full Fit	1.000000
1960/2	196.022/2	08/23/06 10:22	Full Fit	1.000000
Ag	328.068	08/23/06 10:22	Full Fit	1.000000
Al	308.215	08/23/06 10:22	Full Fit	.999999
Ba	493.409	08/23/06 10:22	Full Fit	1.000000
Be	313.042	08/23/06 10:22	Full Fit	1.000000
Ca	317.933	08/23/06 10:22	Full Fit	1.000000
Cd	226.502/2	08/23/06 10:22	Full Fit	1.000000
Co	228.616	08/23/06 10:22	Full Fit	1.000000
Cr	267.716	08/23/06 10:22	Full Fit	1.000000
Cu	324.753	08/23/06 10:22	Full Fit	1.000000
Fe	271.441	08/23/06 10:22	Full Fit	.999999
K_	766.491	08/23/06 10:22	Full Fit	1.000000
Mg	279.078	08/23/06 10:22	Full Fit	1.000000
Mn	257.610	08/23/06 10:22	Full Fit	1.000000
Na	588.991	08/23/06 10:22	Full Fit	.999997
Ni	231.604/2	08/23/06 10:22	Full Fit	1.000000
Sb	206.838/2	08/23/06 10:22	Full Fit	.999999

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
V_	292.402	08/23/06 10:22	Full Fit	1.000000
Zn	206.200	08/23/06 10:22	Full Fit	1.000000
As	189.042/2	08/23/06 10:22	Full Fit	1.000000
Pb	220.353	01/06/95 08:57	User Fit	1.000000
Se	196.026	01/06/95 08:57	User Fit	1.000000
Tl	190.864/2	08/23/06 10:22	Full Fit	1.000000
Li	670.784	08/23/06 10:22	Full Fit	1.000000
Ti	334.941	08/23/06 10:22	Full Fit	1.000000
B	249.678/2	08/23/06 10:22	Full Fit	.999999
Si	251.612	08/23/06 10:22	Full Fit	1.000000
Sn	189.989	08/23/06 10:22	Full Fit	1.000000
Mo	202.003/2	08/23/06 10:22	Full Fit	1.000000
Sr	421.525	08/23/06 10:22	Full Fit	1.000000
U	409.014	08/23/06 10:23	Full Fit	1.000000

Analysis Report QC Standard 08/23/06 10:25:24 AM page 1

Method: 30EL Sample Name: MIXCHIGH Operator: SW
Run Time: 08/23/06 10:23:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00677	-.01588	.00420	.00822	-.01636	.18220	.00002
SDev	.00330	.00078	.00756	.00011	.00147	.00164	.00016
%RSD	48.750	4.8851	179.82	1.3854	9.0029	.89794	753.38
#1	-.00444	-.01533	-.00114	.00830	-.01532	.18104	.00014
#2	-.00910	-.01643	.00955	.00814	-.01740	.18336	-.00009
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00418	.10815	-.00139	.01217	-.00704	.00752	.08376
SDev	.00003	.00049	.00003	.00052	.00115	.00079	.00604
%RSD	.60086	.45518	1.9148	4.3110	16.258	10.474	7.2072
#1	.00416	.10780	-.00137	.01255	-.00623	.00808	.07949
#2	.00419	.10850	-.00141	.01180	-.00785	.00696	.08803
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.12820	.28784	.00540	.28156	.00233	-.02293	.01180
SDev	.07521	.00298	.00005	.00168	.00086	.00193	.00039
%RSD	58.671	1.0359	.95664	.59563	36.854	8.4092	3.3209
#1	.18138	.28573	.00543	.28037	.00294	-.02157	.01152
#2	.07501	.28995	.00536	.28274	.00172	-.02430	.01207
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01457	-.01685	-.01285	.00688	.00314	10.042	9.9873
SDev	.00037	.00086	.00162	.00244	.00220	.072	.1482
%RSD	2.5368	5.0928	12.581	35.482	69.985	.71481	1.4844
#1	.01483	-.01625	-.01170	.00515	.00159	9.9914	9.8825
#2	.01431	-.01746	-.01399	.00861	.00470	10.093	10.092
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value							10.000
Range							5.0000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.022	50.400	10.002	10.050	9.9615	49.96
SDev	.150	.905	.034	.160	.1706	1.17
%RSD	1.4952	1.7955	.34009	1.5905	1.7125	2.336
#1	9.9164	49.760	9.9780	9.9374	9.8409	49.13
#2	10.128	51.040	10.026	10.163	10.082	50.78
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	50.000	10.000	10.000	10.000	50.00
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.000

Method: 30EL Sample Name: MIXBHIGH Operator: SW
Run Time: 08/23/06 10:25:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	9.8695	10.017	9.8312	10.039	2.0102	.08097	10.102
SDev	.0341	.040	.0016	.003	.0018	.00499	.020
%RSD	.34541	.39602	.01661	.02763	.09091	6.1625	.19863
#1	9.8936	9.9891	9.8324	10.037	2.0089	.07745	10.116
#2	9.8454	10.045	9.8301	10.041	2.0115	.08450	10.088
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value					2.0000		10.000
Range					5.0000		5.0000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.101	.12885	10.041	10.074	10.055	10.149	.52451
SDev	.055	.00037	.049	.039	.037	.035	.00850
%RSD	.54065	.28857	.48909	.38947	.36612	.34015	1.6202
#1	10.063	.12859	10.007	10.046	10.029	10.174	.51850
#2	10.140	.12911	10.076	10.101	10.082	10.125	.53051
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	10.000		10.000	10.000	10.000	10.000	
Range	5.0000		5.0000	5.0000	5.0000	5.0000	

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04651	-.00105	10.058	.12621	10.070	2.0125	10.074
SDev	.04964	.00437	.033	.00030	.038	.0050	.019
%RSD	106.74	414.21	.33069	.23375	.38082	.24936	.19261
#1	.01140	-.00414	10.034	.12600	10.043	2.0089	10.060
#2	.08161	.00203	10.081	.12642	10.097	2.0160	10.088
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value			10.000		10.000	2.0000	10.000
Range			5.0000		5.0000	5.0000	5.0000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	10.018	10.085	9.9681	9.9701	9.9289	.01521	.01669
SDev	.089	.015	.0151	.0013	.0243	.00713	.00782
%RSD	.89287	.14901	.15156	.01310	.24499	46.900	46.855
#1	9.9548	10.075	9.9575	9.9692	9.9461	.02025	.02222
#2	10.081	10.096	9.9788	9.9710	9.9117	.01016	.01116
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	10.000	10.000	10.000	10.000	10.000		
Range	5.0000	5.0000	5.0000	5.0000	5.0000		

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04241	.09880	.01389	.08201	.01392	.0374
SDev	.01066	.04671	.00744	.02883	.00775	.0328
%RSD	25.142	47.274	53.546	35.148	55.673	87.65
#1	.04994	.13183	.01914	.10240	.01939	.0607
#2	.03487	.06578	.00863	.06163	.00844	.0142
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

Method: 30EL Sample Name: MIXAHIGH Operator: SW
Run Time: 08/23/06 10:27:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03552	.01274	.01453	.03094	.01083	491.58	.02441
SDev	.01441	.01052	.02710	.00883	.00411	3.98	.00932
%RSD	40.576	82.622	186.46	28.520	37.962	.80918	38.161
#1	.04571	.02018	.03369	.03719	.01374	488.76	.03100
#2	.02533	.00530	-.00463	.02470	.00793	494.39	.01782
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value						500.00	
Range						5.0000	

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01692	496.75	.01256	.01892	.01920	.01266	197.97
SDev	.00966	6.11	.00889	.00847	.00852	.01029	2.46
%RSD	57.089	1.2295	70.783	44.777	44.376	81.278	1.2449
#1	.02375	492.43	.01885	.02491	.02523	.01993	196.23
#2	.01009	501.07	.00628	.01293	.01318	.00538	199.72
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		500.00					200.00
Range		5.0000					5.0000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	98.909	496.43	.02592	99.322	.01941	.01830	.02100
SDev	.687	5.49	.00883	.554	.00841	.00110	.00888
%RSD	.69489	1.1067	34.072	.55736	43.332	6.0252	42.307
#1	98.423	492.54	.03217	98.931	.02535	.01908	.02728
#2	99.395	500.31	.01968	99.714	.01346	.01752	.01471
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	100.00	500.00		100.00			
Range	5.0000	5.0000		5.0000			

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.03036	.01645	.02033	.02548	.01771	.00645	.00499
SDev	.00899	.00813	.01182	.01491	.01155	.00023	.00000
%RSD	29.627	49.412	58.153	58.516	65.185	3.5525	.08761
#1	.03671	.02219	.02868	.03602	.02588	.00661	.00499
#2	.02400	.01070	.01197	.01494	.00955	.00629	.00500
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01090	.01677	.00383	.01236	.00700	.0567
SDev	.00039	.00148	.00077	.00050	.00000	.0029
%RSD	3.5692	8.8493	20.026	4.0383	.00000	5.149
#1	.01117	.01782	.00437	.01272	.00700	.0547
#2	.01062	.01572	.00329	.01201	.00700	.0588
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

ethod: 30EL Sample Name: ICV Operator: SW
un Time: 08/23/06 11:22:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.25176	.24137	.25588	.24114	.24730	24.763	.24554
SDev	.00661	.00057	.00278	.00285	.00083	.101	.00225
%RSD	2.6255	.23839	1.0848	1.1818	.33711	.40915	.91632
#1	.24709	.24177	.25392	.24315	.24789	24.834	.24713
#2	.25643	.24096	.25785	.23912	.24671	24.691	.24395
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.25000	25.250	.25000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.24799	25.094	.24705	.24637	.26017	.24878	10.007
SDev	.00009	.058	.00049	.00012	.00301	.00090	.001
%RSD	.03567	.23083	.19779	.04753	1.1569	.36328	.00850
#1	.24805	25.053	.24671	.24645	.26230	.24942	10.007
#2	.24793	25.135	.24740	.24629	.25804	.24814	10.006
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	25.250	.25000	.25000	.25000	.25000	10.250
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.9539	25.302	.24438	10.091	.25557	.26308	.24072
SDev	.0024	.073	.00102	.037	.00146	.00045	.00039
%RSD	.02390	.28881	.41829	.36729	.57254	.16977	.16025
#1	9.9556	25.250	.24510	10.117	.25661	.26340	.24100
#2	9.9522	25.353	.24366	10.065	.25454	.26277	.24045
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	25.250	.25000	10.250	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.24536	.24576	.24483	.24605	.25104	.23489	.24413
SDev	.00104	.00013	.00182	.00098	.00062	.00118	.00103
%RSD	.42493	.05199	.74230	.39684	.24712	.50139	.42025
#1	.24463	.24585	.24354	.24674	.25147	.23572	.24485
#2	.24610	.24567	.24611	.24536	.25060	.23406	.24340
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.25000	.25000	.25000	.25000	.25000		.25000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48703	1.0925	.24350	.24608	.24048	5.001
SDev	.00103	.0023	.00351	.00247	.00200	.037
%RSD	.21120	.21262	1.4398	1.0015	.83019	.7378
#1	.48776	1.0942	.24103	.24433	.24189	5.028
#2	.48630	1.0909	.24598	.24782	.23907	4.975
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	1.1250	.25000	.25000	.25000	5.000
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: ICB Operator: SW
Run Time: 08/23/06 11:25:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00781	.00197	-.01023	.00226	.00056	.02961	-.00035
SDev	.00678	.00422	.00874	.00396	.00153	.00806	.00028
%RSD	86.862	214.39	85.354	175.09	272.49	27.209	80.526
#1	-.01260	.00495	-.01641	.00507	.00165	.03531	-.00015
#2	-.00301	-.00102	-.00406	-.00054	-.00052	.02391	-.00055
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00001	.01826	-.00004	-.00049	.00064	-.00044	-.00978
SDev	.00003	.00298	.00048	.00097	.00100	.00014	.00318
%RSD	200.11	16.322	1169.3	197.63	157.65	32.629	32.545
#1	.00003	.02036	.00030	.00020	.00135	-.00034	-.00753
#2	-.00001	.01615	-.00038	-.00118	-.00007	-.00055	-.01203
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.07157	.02422	-.00029	.08593	.00037	-.00029	-.00030
SDev	.04345	.01036	.00022	.00015	.00092	.00384	.00115
%RSD	60.706	42.780	75.949	.16898	250.78	1326.3	388.64
#1	.04085	.03154	-.00013	.08604	.00102	.00242	.00052
#2	.10229	.01689	-.00044	.08583	-.00028	-.00300	-.00111
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00117	.00004	-.00129	-.00190	.00215	.00139	-.00037
SDev	.00038	.00041	.00056	.00027	.00152	.00047	.00013
%RSD	32.307	924.01	43.135	14.000	70.574	34.085	36.103
#1	-.00090	.00033	-.00089	-.00209	.00108	.00105	-.00028
#2	-.00144	-.00024	-.00168	-.00171	.00322	.00172	-.00047
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00091	-.00091	-.00037	.00083	.00005	.0123
SDev	.00175	.00039	.00175	.00014	.00004	.0485
%RSD	193.71	43.059	472.26	16.780	70.120	393.1
#1	.00215	-.00063	.00086	.00093	.00008	.0467
#2	-.00033	-.00119	-.00160	.00073	.00003	-.0220
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: CRI Operator: SW
Run Time: 08/23/06 11:27:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00328	.00738	.00676	.01065	.02162	.39099	.42104
SDev	.00268	.00193	.00206	.00069	.00041	.00587	.00210
%RSD	81.848	26.163	30.428	6.4878	1.8981	1.5001	.49976
#1	.00518	.00602	.00821	.01016	.02133	.38684	.41955
#2	.00138	.00875	.00531	.01114	.02191	.39513	.42253
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01044	9.7007	.01053	.10486	.02071	.05249	.16961
SDev	.00000	.0323	.00022	.00012	.00019	.00020	.00639
%RSD	.00055	.33336	2.0552	.11801	.92415	.39057	3.7643
#1	.01044	9.6778	.01068	.10477	.02084	.05264	.17412
#2	.01044	9.7235	.01037	.10495	.02057	.05235	.16509
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.9118	9.6856	.03095	8.9052	.08365	.12352	.10342
SDev	.0714	.0399	.00004	.0957	.00054	.00350	.00026
%RSD	.80087	.41195	.12516	1.0744	.65016	2.8337	.24678
#1	8.8614	9.6574	.03093	8.8375	.08403	.12105	.10324
#2	8.9623	9.7138	.03098	8.9728	.08326	.12600	.10360
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.04352	.00935	.00602	.00935	.02044	.02460	.02007
SDev	.00005	.00030	.00040	.00022	.00193	.00004	.00033
%RSD	.10850	3.1573	6.5580	2.3968	9.4273	.15999	1.6298
#1	.04348	.00914	.00574	.00951	.02180	.02458	.02030
#2	.04355	.00955	.00630	.00919	.01908	.02463	.01984
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20493	.10708	.10059	.02164	.02131	.2052
SDev	.00186	.00017	.00063	.00089	.00007	.0001
%RSD	.90549	.16227	.62713	4.1248	.31261	.0337
#1	.20362	.10720	.10104	.02100	.02126	.2052
#2	.20624	.10695	.10014	.02227	.02135	.2051
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Analysis Report QC Standard 08/23/06 11:32:45 AM page 1

Method: 30EL Sample Name: ICSA Operator: SW
Run Time: 08/23/06 11:30:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03529	-.01651	.00975	.00440	.00087	501.68	.00122
SDev	.00552	.00027	.00047	.00970	.00011	5.02	.00006
%RSD	15.634	1.6251	4.8142	220.53	13.072	1.0002	4.6289
#1	.03139	-.01632	.01009	-.00246	.00079	505.23	.00126
#2	.03919	-.01670	.00942	.01126	.00095	498.13	.00118
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00080	519.80	-.00208	.00259	.00139	-.00616	201.89
SDev	.00001	3.30	.00023	.00057	.00006	.00037	.96
%RSD	1.5561	.63474	11.231	21.940	3.9837	6.0398	.47452
#1	.00079	522.13	-.00192	.00299	.00143	-.00642	202.56
#2	.00081	517.46	-.00225	.00219	.00135	-.00590	201.21
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05789	520.76	.00712	.15975	.00389	.00521	.00491
SDev	.02733	2.02	.00004	.00149	.00002	.00323	.00038
%RSD	47.219	.38759	.54371	.93225	.45570	62.053	7.7373
#1	.03856	522.18	.00715	.16080	.00390	.00750	.00464
#2	.07721	519.33	.00710	.15870	.00388	.00292	.00518
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01051	-.00143	.00074	.00618	.00846	.00257	.00338
SDev	.00014	.00155	.00166	.00632	.00606	.00020	.00028
%RSD	1.3521	108.44	224.60	102.14	71.640	7.6675	8.1856
#1	.01041	-.00033	-.00043	.00172	.01274	.00243	.00318
#2	.01061	-.00253	.00191	Q.01065	.00417	.00271	.00357
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000	.00000		.00000
Range	.04000	.02000	.00600	.01000	.02000		.04000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00252	-.00232	.00296	.00067	.00572	.0406
SDev	.00053	.00047	.00259	.00136	.00001	.0070
%RSD	21.157	20.258	87.422	205.01	.16202	17.17
#1	.00215	-.00265	.00479	.00163	.00573	.0357
#2	.00290	-.00199	.00113	-.00030	.00571	.0455
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.00000	.00000	.00000	.00000	.00000	
Range	.20000	.10000	.10000	.02000	.02000	

Method: 30EL Sample Name: ICSAB Operator: SW
Run Time: 08/23/06 11:32:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07667	.02804	.04993	.05040	.19669	502.92	.47789
SDev	.01826	.01193	.00816	.00566	.00160	1.27	.00171
%RSD	23.821	42.555	16.334	11.225	.81132	.25254	.35732
#1	.08958	.01960	.05570	.04640	.19556	503.82	.47909
#2	.06375	.03647	.04417	.05440	.19782	502.03	.47668
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.46531	507.62	.88992	.44798	.44126	.49192	199.36
SDev	.00093	2.10	.00189	.00215	.00087	.00176	.51
%RSD	.19918	.41407	.21200	.48090	.19699	.35780	.25778
#1	.46466	506.14	.88858	.44646	.44064	.49316	199.00
#2	.46597	509.11	.89125	.44950	.44187	.49067	199.72
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.14698	510.99	.44541	.11491	.86493	.61103	.46073
SDev	.03640	3.12	.00058	.00110	.00241	.00098	.00179
%RSD	24.764	.61047	.13099	.95902	.27843	.16101	.38964
#1	-.17272	508.79	.44499	.11413	.86323	.61033	.45946
#2	-.12124	513.20	.44582	.11569	.86664	.61172	.46200
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.87850	.09594	.04423	.05024	.09255	1.0606	.93702
SDev	.00391	.00253	.00188	.00106	.00756	.0277	.00174
%RSD	.44454	2.6353	4.2427	2.1041	8.1721	2.6073	.18602
#1	.87574	.09773	.04290	.04949	.09789	1.0411	.93825
#2	.88126	.09415	.04556	.05099	.08720	1.0802	.93578
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000		1.0000
Range	20.000	20.000	20.000	20.000	20.000		20.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.94829	.94787	.94594	.96813	.95517	9.337
SDev	.00207	.00097	.00036	.00606	.00284	.026
%RSD	.21782	.10192	.03801	.62581	.29750	.2811
#1	.94683	.94855	.94569	.96385	.95718	9.318
#2	.94975	.94719	.94619	.97241	.95316	9.355
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	1.0000	1.0000	1.0000	10.00
Range	20.000	20.000	20.000	20.000	20.000	20.00

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/23/06 11:35:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48644	.47770	.48756	.48339	.49797	51.396	.50003
SDev	.00328	.00338	.00320	.00318	.00340	.092	.00391
%RSD	.67450	.70842	.65706	.65868	.68354	.17807	.78190
#1	.48412	.47530	.48982	.48113	.49556	51.332	.49726
#2	.48876	.48009	.48529	.48564	.50038	51.461	.50279
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

SW 8/23/06

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49144	50.974	.48757	.48525	.48511	.50039	20.540
SDev	.00399	.267	.00439	.00368	.00346	.00369	.099
%RSD	.81179	.52404	.89979	.75930	.71357	.73843	.48364
#1	.48862	50.785	.48446	.48264	.48267	.49778	20.469
#2	.49426	51.163	.49067	.48785	.48756	.50300	20.610
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.188	50.961	.48196	Q23.061	.48114	.53545	.48239
SDev	.089	.223	.00392	.104	.00298	.00328	.00295
%RSD	.44242	.43855	.81264	.45172	.62041	.61189	.61171
#1	20.125	50.803	.47919	Q22.988	.47902	.53313	.48030
#2	20.251	51.119	.48473	Q23.135	.48325	.53777	.48448
Errors	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.48201	.49433	.48061	.48477	.48477	.48515	.50115
SDev	.00295	.00465	.00335	.00106	.00016	.00274	.00409
%RSD	.61121	.94089	.69699	.21801	.03380	.56527	.81660
#1	.47993	.49104	.47824	.48403	.48488	.48709	.49825
#2	.48409	.49762	.48298	.48552	.48465	.48321	.50404
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96428	2.1889	.48159	.49932	.49496	10.15
SDev	.00786	.0135	.00307	.00697	.00370	.07
%RSD	.81480	.61821	.63802	[illegible]	.74729	.6785
#1	.95872	2.1793	.47942	.49439	.49235	10.10
#2	.96983	2.1985	.48376	.50425	.49758	10.20
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

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Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/23/06 11:40:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48836	.48085	.49929	.48085	.49615	50.369	.49396
SDev	.00580	.00596	.01431	.00385	.00221	.436	.00429
%RSD	1.1880	1.2397	2.8658	.80098	.44624	.86477	.86827
#1	.49246	.47663	.50941	.47813	.49458	50.061	.49093
#2	.48426	.48506	.48918	.48357	.49771	50.677	.49699
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49134	50.536	.48806	.48609	.48569	.49451	20.240
SDev	.00016	.057	.00083	.00048	.00018	.00260	.023
%RSD	.03358	.11377	.16970	.09959	.03682	.52653	.11446
#1	.49123	50.577	.48865	.48575	.48582	.49267	20.256
#2	.49146	50.495	.48748	.48644	.48557	.49635	20.223
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.811	50.680	.47641	20.364	.48168	.54142	.48157
SDev	.138	.066	.00073	.151	.00031	.00076	.00103
%RSD	.69776	.13103	.15244	.74267	.06377	.14028	.21397
#1	19.714	50.727	.47589	20.257	.48146	.54089	.48084
#2	19.909	50.633	.47692	20.471	.48190	.54196	.48230
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.48305	.49641	.48335	.48699	.48926	.48747	.49097
SDev	.00290	.00403	.00204	.00220	.00430	.00187	.00125
%RSD	.59966	.81162	.42293	.45092	.87896	.38318	.25492
#1	.48510	.49926	.48190	.48854	.48622	.48615	.49009
#2	.48100	.49356	.48479	.48544	.49230	.48879	.49186
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96466	2.1502	.48375	.49809	.48644	10.10
SDev	.00608	.0029	.00566	.00050	.00373	.06
%RSD	.62994	.13254	1.1691	.10089	.76738	.6024
#1	.96037	2.1482	.48775	.49845	.48380	10.05
#2	.96896	2.1522	.47975	.49774	.48908	10.14
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/23/06 11:43:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00101	-.00091	-.00231	-.00137	.00148	.06473	.00005
SDev	.00926	.00485	.00957	.00419	.00265	.00146	.00032
%RSD	919.28	532.32	413.80	306.31	179.56	2.2519	657.48
#1	.00755	-.00434	.00445	-.00434	-.00040	.06370	-.00018
#2	-.00554	.00252	-.00908	.00160	.00335	.06576	.00028
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00026	.05961	.00040	.00062	.00286	.00174	.03698
SDev	.00008	.00913	.00028	.00198	.00152	.00024	.00818
%RSD	29.077	15.320	69.878	317.37	53.317	13.621	22.127
#1	.00032	.06607	.00020	-.00078	.00178	.00157	.03119
#2	.00021	.05315	.00059	.00202	.00394	.00190	.04276
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.17038	.07076	.00037	.09282	.00200	.00026	.00079
SDev	.05530	.00189	.00012	.00146	.00143	.00733	.00217
%RSD	32.458	2.6723	31.548	1.5693	71.428	2782.1	274.51
#1	.13127	.06942	.00029	.09385	.00099	-.00492	-.00074
#2	.20948	.07209	.00045	.09179	.00301	.00545	.00233
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00050	.00111	-.00027	-.00168	.00322	.00179	.00135
SDev	.00076	.00409	.00015	.00039	.00396	.00031	.00036
%RSD	150.83	369.80	55.714	23.044	123.10	17.127	26.584
#1	-.00104	-.00179	-.00038	-.00141	.00602	.00201	.00109
#2	.00003	.00400	-.00016	-.00196	.00042	.00157	.00160
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00423	.00459	.00191	.00322	.00042	.0472
SDev	.00214	.00114	.00147	.00002	.00006	.0691
%RSD	50.532	24.781	76.902	.73660	14.695	146.5
#1	.00272	.00378	.00087	.00320	.00046	-.0017
#2	.00574	.00539	.00295	.00324	.00038	.0960
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: IP060822-1MB Operator: SW
Run Time: 08/23/06 11:45:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00226	-.00070	.00102	.00013	.00055	.03692	-.00010
SDev	.00830	.00367	.01457	.00407	.00011	.00016	.00004
%RSD	367.74	520.13	1426.4	3255.1	20.435	.43307	38.517
#1	-.00813	.00189	-.00928	.00301	.00047	.03703	-.00007
#2	.00361	-.00330	.01133	-.00276	.00063	.03681	-.00012
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

SW 8/23/06

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00006	.05815	.00001	-.00015	.00093	.00084	.03226
SDev	.00000	.00036	.00003	.00016	.00012	.00089	.01245
%RSD	.09724	.61934	250.15	108.28	12.416	106.16	38.579
#1	-.00006	.05790	.00004	-.00004	.00084	.00021	.02346
#2	-.00006	.05841	-.00001	-.00027	.00101	.00147	.04107
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.06942	.02167	.00003	.09607	.00085	-.00045	-.00021
SDev	.01723	.00062	.00000	.00036	.00014	.00098	.00025
%RSD	24.815	2.8406	.00000	.37960	16.066	219.79	120.76
#1	.05724	.02210	.00003	.09581	.00094	.00025	-.00039
#2	.08161	.02123	.00003	.09633	.00075	-.00114	-.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

SW 8/28/06

Elem	Zn	As	Pb	Se	Al	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00870	-.00122	-.00122	.00042	.00384	.00124	.00060
SDev	.00014	.00321	.00032	.00214	.00270	.00005	.00062
%RSD	1.6346	262.31	26.142	504.01	70.405	4.2735	103.57
#1	.00860	.00105	-.00145	-.00109	.00193	.00120	.00016
#2	.00880	-.00349	-.00100	.00193	.00575	.00128	.00104
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00230	.02038	.00205	.00031	.00033	.0064
SDev	.00041	.00077	.00242	.00012	.00005	.0054
%RSD	18.001	3.7569	118.02	38.828	15.818	83.82
#1	.00201	.01984	.00034	.00022	.00029	.0102
#2	.00259	.02092	.00377	.00040	.00037	.0026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

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Method: 30EL Sample Name: IP060822-1MB Operator: SW
Run Time: 08/23/06 11:49:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00351	.00033	-.00021	.00042	.00090	.02362	-.00030
SDev	.00332	.00018	.00016	.00304	.00056	.00195	.00006
%RSD	94.663	55.279	74.933	729.25	62.545	8.2644	18.988
#1	-.00116	.00020	-.00010	-.00173	.00050	.02224	-.00034
#2	-.00585	.00046	-.00032	.00257	.00130	.02500	-.00026
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00006	.01350	-.00007	.00002	.00053	.00068	.00225
SDev	.00000	.00011	.00020	.00057	.00024	.00008	.00166
%RSD	.33942	.83899	278.20	2515.7	45.777	11.214	73.945
#1	-.00006	.01358	-.00021	-.00038	.00036	.00074	.00107
#2	-.00006	.01342	.00007	.00042	.00070	.00063	.00342
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.14429	.01845	-.00039	.08203	.00003	.00035	.00025
SDev	.00112	.00221	.00005	.00058	.00044	.00147	.00089
%RSD	.77891	11.969	13.262	.70673	1445.0	425.10	363.96
#1	.14350	.01689	-.00043	.08162	-.00028	-.00069	-.00039
#2	.14509	.02002	-.00035	.08244	.00034	.00139	.00088
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00117	-.00021	-.00095	.00021	.00047	.00135	.00031
SDev	.00019	.00315	.00098	.00198	.00025	.00011	.00011
%RSD	16.158	1528.2	103.80	947.34	51.742	7.7732	35.437
#1	-.00131	-.00243	-.00025	-.00119	.00030	.00143	.00024
#2	-.00104	.00202	-.00164	.00161	.00065	.00128	.00039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00169	-.00010	.00079	.00093	.00005	.0272
SDev	.00049	.00109	.00101	.00025	.00001	.0155
%RSD	28.988	1122.0	127.63	27.254	16.528	57.06
#1	.00134	-.00087	.00008	.00075	.00005	.0162
#2	.00204	.00068	.00151	.00110	.00006	.0382
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: IP060822-1LCS Operator: SW
Run Time: 08/23/06 11:51:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48968	.47361	1.8769	1.8690	.04601	1.6760	1.9540
SDev	.00404	.00372	.0119	.0249	.00033	.0174	.0137
%RSD	.82538	.78521	.63372	1.3320	.72656	1.0354	.70005
#1	.48682	.47098	1.8685	1.8514	.04577	1.6637	1.9443
#2	.49253	.47624	1.8853	1.8866	.04625	1.6882	1.9637
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04875	38.542	.04818	.48417	.18807	.24587	.86502
SDev	.00049	.397	.00046	.00402	.00197	.00236	.02094
%RSD	1.0063	1.0293	.95358	.83020	1.0459	.96160	2.4204
#1	.04840	38.262	.04785	.48133	.18668	.24420	.85022
#2	.04909	38.823	.04850	.48701	.18946	.24754	.87983
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	35.505	38.340	.46855	36.316	.47690	.52389	.47996
SDev	.281	.407	.00450	.281	.00418	.00364	.00434
%RSD	.79088	1.0620	.96034	.77381	.87598	.69439	.90449
#1	35.306	38.052	.46537	36.117	.47394	.52132	.47689
#2	35.703	38.628	.47173	36.514	.47985	.52647	.48302
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.48110	1.9665	.47896	1.8717	1.8956	.48378	.48546
SDev	.00432	.0161	.00383	.0206	.0123	.00057	.00413
%RSD	.89866	.81903	.79889	1.0988	.64780	.11838	.85053
#1	.47804	1.9552	.47626	1.8571	1.8869	.48419	.48254
#2	.48415	1.9779	.48167	1.8862	1.9043	.48338	.48838
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.93548	L1.5871	.47742	.97953	.47697	-.0552
SDev	.00916	.0168	.00468	.01328	.00348	.0081
%RSD	.97943	1.0567	.98129	1.3557	.72895	14.61
#1	.92900	L1.5752	.47411	.97014	.47451	-.0495
#2	.94195	L1.5989	.48073	.98892	.47943	-.0609
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

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Method: 30EL Sample Name: 0608089-1 Operator: SW
Run Time: 08/23/06 11:57:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.26257	.27030	-.00798	.00488	.00062	72.911	.75874
SDev	.00006	.00302	.00050	.00048	.00153	.402	.00579
%RSD	.02485	1.1187	6.2472	9.8440	246.73	.55111	.76340
#1	.26262	.26816	-.00762	.00454	-.00046	73.195	.76283
#2	.26252	.27244	-.00833	.00522	.00170	72.626	.75464
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00613	H1174.6	.00841	.07409	.16962	.16456	151.18
SDev	.00004	16.4	.00008	.00089	.00121	.00036	.24
%RSD	.61412	1.3961	.95446	1.2040	.71206	.21931	.16051
#1	.00611	H1163.0	.00835	.07346	.16877	.16481	151.01
#2	.00616	H1186.2	.00846	.07472	.17047	.16430	151.35
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.051	93.913	4.7966	.65410	.23199	.00518	.14321
SDev	.058	.315	.0010	.00356	.00058	.00118	.00052
%RSD	.57684	.33505	.02087	.54360	.24982	22.743	.36105
#1	10.092	93.691	4.7958	.65662	.23158	.00601	.14284
#2	10.010	94.136	4.7973	.65159	.23240	.00434	.14357
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.82533	.06774	.26773	.00060	.00419	.16918	.76264
SDev	.00690	.00002	.00199	.00015	.00166	.00092	.00217
%RSD	.83643	.02214	.74525	25.851	39.553	.54200	.28502
#1	.82044	.06775	.26632	.00049	.00302	.16853	.76418
#2	.83021	.06773	.26914	.00071	.00536	.16983	.76111
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04005	6.4707	.01183	.00277	.80302	.0157
SDev	.00097	.0163	.00012	.00064	.00534	.0355
%RSD	2.4221	.25221	1.0139	22.997	.66521	227.0
#1	.03937	6.4822	.01192	.00232	.80680	-.0095
#2	.04074	6.4592	.01175	.00322	.79925	.0408
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608089-1D Operator: SW
Run Time: 08/23/06 11:59:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.24557	.23080	-.00112	-.00092	-.00076	69.986	.72349
SDev	.01045	.00826	.00923	.00560	.00009	1.489	.01183
%RSD	4.2551	3.5796	822.42	611.11	12.509	2.1280	1.6346
#1	.25296	.22496	.00540	-.00487	-.00069	68.933	.71513
#2	.23818	.23664	-.00765	.00304	-.00082	71.039	.73185
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00608	H1325.8	.01657	.07495	.18467	.15634	144.00
SDev	.00004	6.7	.00017	.00055	.00104	.00216	.84
%RSD	.61754	.50719	1.0038	.73866	.56130	1.3803	.58348
#1	.00605	H1330.6	.01645	.07455	.18394	.15481	143.41
#2	.00611	H1321.0	.01668	.07534	.18540	.15786	144.60
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.319	93.641	5.7656	.72175	.23198	.00491	.13763
SDev	.206	.557	.0365	.01611	.00124	.00057	.00101
%RSD	1.9979	.59431	.63393	2.2321	.53563	11.577	.73553
#1	10.173	93.248	5.7398	.71036	.23110	.00531	.13692
#2	10.465	94.035	5.7915	.73314	.23286	.00450	.13835
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.2250	.05657	.23572	-.00098	.00635	.18380	.72436
SDev	.0007	.00288	.00203	.00066	.00384	.00247	.00843
%RSD	.03230	5.0952	.86156	67.112	60.536	1.3442	1.1641
#1	2.2255	.05454	.23428	-.00145	.00906	.18206	.71840
#2	2.2245	.05861	.23715	-.00052	.00363	.18555	.73032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04136	7.4824	.01313	.00408	.91340	-.0227
SDev	.00029	.0748	.00093	.00101	.01320	.0073
%RSD	.71151	.99930	7.0724	24.627	1.4449	32.35
#1	.04115	7.4295	.01379	.00479	.90407	-.0175
#2	.04157	7.5352	.01248	.00337	.92273	-.0279
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608089-1L 5X Operator: SW
Run Time: 08/23/06 12:02:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.05623	.06087	.00121	-.00042	.00059	15.137	.16322
SDev	.00102	.00049	.00023	.00072	.00077	.109	.00151
%RSD	1.8113	.80647	18.880	171.41	130.53	.72103	.92556
#1	.05551	.06122	.00137	.00009	.00114	15.060	.16215
#2	.05695	.06052	.00105	-.00093	.00005	15.214	.16429
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00132	204.56	.00184	.01613	.03731	.03524	30.636
SDev	.00003	.96	.00007	.00057	.00014	.00012	.185
%RSD	1.8968	.46724	3.9257	3.5175	.36114	.34260	.60502
#1	.00134	203.88	.00189	.01654	.03721	.03532	30.505
#2	.00131	205.24	.00178	.01573	.03740	.03515	30.767
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05273	H1040.5	.04937	.51506	.38224	.41936	167.17
SDev	.00009	8.8	.00012	.00178	.00114	.00031	.55
%RSD	.16651	.84894	.23505	.34507	.29775	.07401	.32873
#1	.05267	H1034.3	.04929	.51380	.38144	.41914	166.78
#2	.05279	H1046.8	.04946	.51631	.38305	.41958	167.56
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	50.739	118.35	7.3407	40.915	.68596	.23032	.60255
SDev	.128	.66	.0197	.215	.00087	.00233	.00191
%RSD	.25319	.55743	.26903	.52641	.12707	1.0102	.31674
#1	50.648	117.89	7.3268	40.762	.68534	.23197	.60120
#2	50.830	118.82	7.3547	41.067	.68658	.22868	.60390
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.3587	1.9205	.68707	1.7847	1.7018	.72340	1.2299
SDev	.0064	.0006	.00431	.0092	.0012	.00330	.0023
%RSD	.47153	.03189	.62721	.51825	.07307	.45655	.18430
#1	1.3542	1.9210	.68403	1.7782	1.7009	.72573	1.2283
#2	1.3632	1.9201	.69012	1.7912	1.7027	.72106	1.2315
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.83622	12.927	.44175	.87960	1.2046	.0026
SDev	.00085	.038	.00116	.00105	.0001	.0044
%RSD	.10107	.29409	.26269	.11938	.00562	170.2
#1	.83562	12.900	.44257	.87885	1.2046	.0057
#2	.83681	12.954	.44093	.88034	1.2046	-.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608089-1MSD Operator: SW
Run Time: 08/23/06 12:07:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.67203	.65953	1.7743	1.7799	.04675	106.48	2.6369
SDev	.00739	.00494	.0101	.0065	.00135	1.03	.0229
%RSD	1.0995	.74941	.56870	.36513	2.8789	.96426	.86857
#1	.66681	.66303	1.7814	1.7753	.04771	105.75	2.6207
#2	.67726	.65604	1.7671	1.7845	.04580	107.20	2.6531
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05275	H1116.8	.05559	.50544	.35203	.40129	153.37
SDev	.00014	1.1	.00024	.00227	.00112	.00443	.74
%RSD	.26188	.09482	.43382	.44848	.31957	1.1045	.48552
#1	.05265	H1116.0	.05576	.50384	.35123	.39816	152.85
#2	.05285	H1117.5	.05542	.50705	.35282	.40443	153.90
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	49.970	126.81	5.4160	40.625	.66313	.23538	.59346
SDev	.492	.47	.0236	.425	.00345	.00582	.00229
%RSD	.98503	.36889	.43576	1.0469	.51963	2.4710	.38574
#1	49.622	126.48	5.3993	40.324	.66069	.23949	.59185
#2	50.318	127.14	5.4327	40.926	.66557	.23126	.59508
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.2717	1.9195	.66369	1.7781	1.6879	.71378	1.1702
SDev	.0005	.0150	.00084	.0010	.0015	.00493	.0072
%RSD	.03778	.78276	.12597	.05482	.08827	.69033	.61362
#1	1.2714	1.9089	.66428	1.7774	1.6868	.71727	1.1651
#2	1.2720	1.9301	.66310	1.7787	1.6889	.71030	1.1752
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.83529	11.746	.44346	.87681	1.2480	.0158
SDev	.00391	.048	.00212	.00472	.0095	.0324
%RSD	.46780	.40800	.47876	.53842	.76083	205.6

#1	.83253	11.712	.44196	.87348	1.2413	.0387
#2	.83806	11.780	.44497	.88015	1.2547	-.0072
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608089-2 Operator: SW
Run Time: 08/23/06 12:09:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.22573	.21731	.00083	.00543	-.00064	72.019	.78480
SDev	.00399	.00165	.00756	.00258	.00013	.668	.00145
%RSD	1.7681	.75767	908.60	47.487	21.146	.92791	.18459
#1	.22855	.21614	.00618	.00361	-.00054	71.546	.78377
#2	.22291	.21847	-.00452	.00725	-.00073	72.491	.78582
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00619	H1041.5	.00527	.06847	.16424	.15754	148.15
SDev	.00001	7.0	.00006	.00061	.00051	.00004	.61
%RSD	.20220	.67000	1.2365	.89398	.31191	.02366	.40944
#1	.00618	H1036.6	.00522	.06890	.16388	.15751	147.72
#2	.00620	H1046.4	.00532	.06803	.16460	.15756	148.58
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.033	122.87	4.7396	.69640	.21573	.00409	.14383
SDev	.068	.71	.0156	.00309	.00029	.00088	.00038
%RSD	.67574	.57549	.32887	.44373	.13367	21.544	.26197
#1	9.9850	122.37	4.7286	.69859	.21553	.00347	.14357
#2	10.081	123.37	4.7506	.69422	.21593	.00472	.14410
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.78164	.06290	.22011	.00390	.00710	.15789	.79639
SDev	.00319	.00101	.00023	.00080	.00152	.00105	.00222
%RSD	.40811	1.6109	.10487	20.495	21.393	.66783	.27828

#1	.77939	.06219	.22028	.00446	.00818	.15864	.79482
#2	.78390	.06362	.21995	.00333	.00603	.15714	.79795
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03997	7.9511	.01333	.00551	.73722	-.0073
SDev	.00020	.0850	.00085	.00176	.00172	.0057
%RSD	.49090	1.0695	6.3799	31.987	.23284	78.22
#1	.03983	7.8910	.01273	.00676	.73601	-.0033
#2	.04011	8.0113	.01393	.00426	.73844	-.0114
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: IP060822-2MB Operator: SW
Run Time: 08/23/06 12:12:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00440	-.00240	.00602	-.00098	-.00012	.05896	.00013
SDev	.00084	.00004	.00222	.00489	.00197	.00863	.00006
%RSD	19.056	1.6513	36.924	499.09	1590.1	14.630	43.935
#1	.00381	-.00237	.00445	.00248	-.00152	.06506	.00009
#2	.00500	-.00242	.00759	-.00443	.00127	.05286	.00017
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00009	.41681	-.00017	-.00049	.00037	.00097	.07993
SDev	.00002	.16271	.00025	.00121	.00147	.00117	.00124
%RSD	26.347	39.037	146.58	246.00	403.07	121.01	1.5512
#1	-.00011	.53187	-.00035	-.00135	-.00068	.00014	.08080
#2	-.00008	.30176	.00001	.00036	.00141	.00179	.07905
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05186	.07488	.00244	.08491	-.00015	-.00138	-.00030
SDev	.11757	.01678	.00098	.00160	.00107	.00655	.00141
%RSD	226.70	22.414	40.203	1.8804	713.43	475.56	470.62

#1	-.03127	.08674	.00313	.08378	-.00091	-.00601	-.00130
#2	.13500	.06301	.00175	.08604	.00061	.00326	.00070
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00348	.00142	-.00013	.00135	.00487	.00146	.00134
SDev	.00052	.00108	.00025	.00252	.00068	.00005	.00081
%RSD	14.968	75.529	191.51	186.38	13.996	3.5629	60.194
#1	.00311	.00066	-.00031	.00313	.00439	.00143	.00077
#2	.00385	.00218	.00005	-.00043	.00535	.00150	.00191
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00146	.02880	.00428	.00144	.00052	-.0035
SDev	.00121	.00032	.00125	.00126	.00008	.0514
%RSD	82.821	1.1096	29.272	87.108	15.326	1465.
#1	.00061	.02857	.00340	.00055	.00057	-.0398
#2	.00232	.02902	.00517	.00233	.00046	.0328
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/23/06 12:14:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48475	.47715	.49831	.48490	.49979	51.257	.49672
SDev	.00509	.00293	.00194	.00668	.00460	.483	.00664
%RSD	1.0506	.61500	.38869	1.3785	.92143	.94219	1.3372
#1	.48115	.47507	.49694	.48017	.49653	50.915	.49203
#2	.48835	.47922	.49968	.48963	.50305	51.598	.50142
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49167	50.214	.48831	.48726	.48618	.50031	20.280
SDev	.00513	.453	.00372	.00442	.00409	.00562	.212
%RSD	1.0439	.90257	.76196	.90629	.84164	1.1224	1.0461

#1	.48804	49.894	.48568	.48414	.48329	.49634	20.130
#2	.49530	50.535	.49094	.49038	.48907	.50428	20.430
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.020	50.848	.47636	20.675	.48272	.54438	.48347
SDev	.189	.468	.00486	.201	.00413	.00359	.00475
%RSD	.94495	.91964	1.0209	.97406	.85496	.66025	.98232
#1	19.886	50.517	.47292	20.533	.47980	.54184	.48011
#2	20.154	51.179	.47980	20.817	.48563	.54692	.48683
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM.	ppm	ppm
Avge	.48137	.49559	.47968	.48937	.48864	.49032	.49241
SDev	.00461	.00607	.00365	.00510	.00367	.00307	.00507
%RSD	.95742	1.2258	.76159	1.0429	.75072	.62648	1.0304
#1	.47811	.49130	.47710	.48576	.48605	.49249	.48882
#2	.48463	.49989	.48226	.49298	.49124	.48815	.49600
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000
Elem	B	Si	Sn	Mo	Sr	U	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.96413	2.1726	.48436	.49673	.48930	10.16	
SDev	.01185	.0199	.00595	.01014	.00651	.13	
%RSD	1.2287	.91688	1.2280	2.0412	1.3295	1.252	
#1	.95575	2.1585	.48016	.48956	.48470	10.07	
#2	.97250	2.1867	.48857	.50389	.49390	10.25	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	1.0000	2.2500	.50000	.50000	.50000	10.00	
Range	10.000	10.000	10.000	10.000	10.000	10.00	

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/23/06 12:17:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00363	.00149	-.00420	.00018	.00187	.07432	.00016
SDev	.00205	.00204	.00210	.00062	.00074	.00787	.00013
%RSD	56.592	137.41	49.990	339.16	39.616	10.593	84.926

#1	-.00218	.00004	-.00272	.00062	.00240	.07988	.00025
#2	-.00508	.00293	-.00568	-.00025	.00135	.06875	.00006
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00028	.08030	.00043	.00071	.00341	.00164	.04256
SDev	.00010	.00997	.00008	.00097	.00069	.00060	.01121
%RSD	36.035	12.418	18.750	136.65	20.299	36.877	26.354
#1	.00035	.08735	.00049	.00140	.00390	.00206	.05049
#2	.00021	.07325	.00037	.00002	.00292	.00121	.03463
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.15904	.08443	.00059	.09241	.00181	.00237	.00124
SDev	.02123	.01240	.00014	.00291	.00007	.00172	.00051
%RSD	13.351	14.683	24.177	3.1520	3.6859	72.584	41.348
#1	.17405	.09319	.00069	.09447	.00176	.00359	.00160
#2	.14403	.07566	.00049	.09035	.00186	.00116	.00088
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00023	.00129	-.00022	-.00128	.00420	.00165	.00124
SDev	.00028	.00088	.00068	.00111	.00209	.00000	.00056
%RSD	121.21	68.601	315.82	87.046	49.815	.00000	45.169
#1	-.00003	.00066	-.00070	-.00049	.00568	.00165	.00163
#2	-.00044	.00191	.00027	-.00206	.00272	.00165	.00084
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00358	.00752	.00215	.00296	.00044	.0542
SDev	.00081	.00256	.00174	.00038	.00014	.0223
%RSD	22.528	34.028	80.984	12.934	32.167	41.23
#1	.00415	.00932	.00338	.00323	.00054	.0700
#2	.00301	.00571	.00092	.00269	.00034	.0384
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		

Low	-.10000	-.05000	-.05000	-.01000

Method: 30EL Sample Name: IP060822-2LCS Operator: SW
Run Time: 08/23/06 12:19:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.47703	.48050	1.8863	1.8884	.04759	1.7051	1.9730
SDev	.00012	.00254	.0096	.0193	.00070	.0048	.0156
%RSD	.02488	.52929	.50820	1.0209	1.4638	.28035	.79090
#1	.47694	.47870	1.8796	1.8748	.04710	1.7018	1.9620
#2	.47711	.48230	1.8931	1.9020	.04808	1.7085	1.9841
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04870	38.147	.04809	.48527	.18859	.24680	.83849
SDev	.00048	.260	.00060	.00345	.00164	.00109	.00369
%RSD	.98115	.68125	1.2391	.71166	.86953	.43962	.44049
#1	.04836	37.963	.04767	.48282	.18743	.24603	.83588
#2	.04904	38.331	.04851	.48771	.18975	.24757	.84110
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	35.892	38.341	.46785	36.759	.47674	.52908	.48051
SDev	.123	.240	.00328	.111	.00447	.00874	.00485
%RSD	.34275	.62570	.70123	.30186	.93683	1.6511	1.0100
#1	35.805	38.172	.46553	36.681	.47358	.52290	.47707
#2	35.979	38.511	.47017	36.838	.47990	.53526	.48394
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	PPm	PPm
Avge	.47915	1.9729	.47934	1.8877	1.9092	.49349	.48599
SDev	.00385	.0124	.00174	.0161	.0217	.00575	.00324
%RSD	.80310	.63077	.36214	.85033	1.1390	1.1651	.66633
#1	.47643	1.9641	.47811	1.8764	1.8939	.48943	.48370
#2	.48187	1.9817	.48057	1.8991	1.9246	.49756	.48828
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000

Low	.40000	1.6000	.40000	1.6000	1.6000	.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.94122	L1.5625	.47453	.98288	.48053	-.0300
SDev	.00720	.0061	.00556	.01171	.00380	.0178
%RSD	.76456	.39154	1.1721	1.1915	.79035	59.32
#1	.93613	L1.5581	.47059	.97460	.47784	-.0425
#2	.94630	L1.5668	.47846	.99116	.48321	-.0174
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: 0608110-2 Operator: SW
Run Time: 08/23/06 12:22:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04935	.06230	-.00803	.01108	.00019	49.466	.19648
SDev	.00032	.00323	.00664	.00108	.00078	.261	.00136
%RSD	.64234	5.1854	82.632	9.7069	404.35	.52725	.69234
#1	.04957	.06002	-.00334	.01032	.00075	49.282	.19552
#2	.04912	.06459	-.01273	.01184	-.00036	49.651	.19744
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00383	4.2370	-.00233	.05789	.07430	.04831	126.39
SDev	.00003	.0242	.00001	.00005	.00045	.00023	1.23
%RSD	.65605	.57021	.25873	.07995	.60363	.48480	.97255
#1	.00382	4.2199	-.00233	.05793	.07399	.04847	125.52
#2	.00385	4.2541	-.00234	.05786	.07462	.04814	127.26
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.0451	3.3719	2.4267	.15381	.04661	.00554	.10758
SDev	.0108	.0118	.0209	.00602	.00024	.00102	.00012
%RSD	.26772	.35131	.85985	3.9154	.51036	18.417	.11413
#1	4.0374	3.3636	2.4119	.15807	.04644	.00626	.10749
#2	4.0528	3.3803	2.4414	.14955	.04678	.00482	.10767
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000

Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.16576	.04982	.05799	.00471	.00288	.03860	.48936
SDev	.00142	.00154	.00205	.00149	.00029	.00000	.00263
%RSD	.85814	3.0925	3.5339	31.680	10.095	.00000	.53731
#1	.16475	.04874	.05654	.00577	.00309	.03860	.48750
#2	.16677	.05091	.05944	.00366	.00268	.03860	.49122
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01442	5.1505	.00698	.00659	.01634	.0367
SDev	.00171	.0422	.00200	.00126	.00001	.0095
%RSD	11.864	.81906	28.587	19.159	.05792	25.70
#1	.01563	5.1207	.00839	.00749	.01635	.0434
#2	.01321	5.1803	.00557	.00570	.01633	.0301
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-1 Operator: SW
Run Time: 08/23/06 12:24:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08545	.07851	.00292	-.00052	-.00135	73.452	.19317
SDev	.00619	.00377	.00833	.00414	.00132	.838	.00310
%RSD	7.2488	4.8018	285.68	802.38	97.856	1.1403	1.6040
#1	.08107	.08117	-.00297	.00241	-.00042	72.860	.19097
#2	.08983	.07584	.00880	-.00344	-.00229	74.045	.19536
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00358	H506.53	-.00292	.03326	.07947	.06054	169.72
SDev	.00003	3.31	.00007	.00057	.00010	.00077	1.69
%RSD	.70071	.65304	2.5439	1.7110	.13141	1.2690	.99619
#1	.00356	H504.19	-.00287	.03366	.07939	.06000	168.52
#2	.00360	H508.87	-.00298	.03286	.07954	.06109	170.92
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00

Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.5452	31.336	.94498	.38730	.06331	.00199	.12157
SDev	.0861	.210	.00911	.00371	.00037	.00232	.00037
%RSD	1.0081	.66973	.96357	.95748	.58950	116.67	.30725
#1	8.4843	31.187	.93854	.38468	.06305	.00362	.12130
#2	8.6061	31.484	.95142	.38992	.06357	.00035	.12183
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.21967	.03410	.08082	.00063	.00727	.07465	.56584
SDev	.00047	.00254	.00045	.00001	.00355	.00003	.00227
%RSD	.21617	7.4595	.55890	1.7571	48.814	.04733	.40138
#1	.21934	.03590	.08114	.00062	.00476	.07463	.56424
#2	.22001	.03230	.08050	.00063	.00978	.07468	.56745
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02933	5.6577	.00846	.00453	.48185	-.0234
SDev	.00044	.0547	.00119	.00014	.00770	.0307
%RSD	1.4863	.96694	14.052	3.0068	1.5976	131.1
#1	.02964	5.6190	.00930	.00462	.47641	-.0017
#2	.02902	5.6964	.00762	.00443	.48730	-.0451
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-2 Operator: SW
Run Time: 08/23/06 12:27:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08879	.08987	-.00583	.00445	-.00045	73.901	.19303
SDev	.00463	.00097	.00217	.00182	.00051	.713	.00170
%RSD	5.2149	1.0773	37.175	40.995	113.60	.96466	.88083
#1	.08552	.09056	-.00736	.00574	-.00009	73.397	.19183
#2	.09206	.08919	-.00430	.00316	-.00080	74.405	.19423
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000

Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00330	344.34	-.00282	.03470	.07642	.05589	152.66
SDev	.00003	2.92	.00019	.00033	.00015	.00049	1.43
%RSD	.75787	.84877	6.8004	.96003	.19706	.87184	.93469
#1	.00328	342.27	-.00296	.03493	.07631	.05554	151.65
#2	.00331	346.41	-.00269	.03446	.07652	.05623	153.67
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	7.6866	24.545	.81653	.31094	.05966	.00411	.12354
SDev	.0700	.203	.00660	.00276	.00017	.00138	.00088
%RSD	.91051	.82804	.80785	.88622	.28564	33.606	.71569
#1	7.6371	24.401	.81186	.30899	.05978	.00509	.12292
#2	7.7361	24.689	.82119	.31289	.05954	.00313	.12417
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.19495	.03273	.08951	.00103	.00391	.06530	.59065
SDev	.00247	.00000	.00090	.00049	.00011	.00011	.00548
%RSD	1.2652	.00019	1.0011	48.221	2.7363	.16440	.92832
#1	.19321	.03273	.08888	.00138	.00399	.06538	.58677
#2	.19669	.03273	.09015	.00068	.00384	.06522	.59453
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02387	6.2830	.00794	.00365	.35306	.0008
SDev	.00042	.0667	.00161	.00038	.00293	.0164
%RSD	1.7808	1.0615	20.356	10.456	.82914	2005.
#1	.02417	6.2359	.00679	.00392	.35099	.0124
#2	.02357	6.3302	.00908	.00338	.35513	-.0108
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-3 Operator: SW
Run Time: 08/23/06 12:29:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.14860	.14892	.00388	-.00023	-.00073	51.063	.73207
SDev	.00099	.00315	.00012	.00166	.00225	1.192	.01364
%RSD	.66702	2.1156	2.9584	712.48	309.50	2.3336	1.8628
#1	.14930	.14669	.00380	-.00140	.00086	50.220	.72242
#2	.14790	.15115	.00396	.00094	-.00232	51.906	.74171
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00480	H1295.1	-.00169	.05948	.08636	.11087	133.55
SDev	.00001	26.4	.00035	.00126	.00048	.00119	.60
%RSD	.25917	2.0394	20.537	2.1188	.55390	1.0751	.44721
#1	.00481	H1313.8	-.00145	.06038	.08670	.11002	133.13
#2	.00479	H1276.4	-.00194	.05859	.08602	.11171	133.97
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	7.1233	132.00	3.3445	.66148	.07091	.00243	.11959
SDev	.1106	.36	.0196	.01526	.00005	.00502	.00065
%RSD	1.5525	.27071	.58723	2.3066	.07423	206.70	.54295
#1	7.0451	131.75	3.3306	.65069	.07094	.00597	.12005
#2	7.2015	132.26	3.3584	.67227	.07087	-.00112	.11913
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	PPm	PPm
Avge	.37388	.04379	.14882	.00114	.00331	.08567	.50285
SDev	.00156	.00226	.00177	.00114	.00032	.00011	.00586
%RSD	.41825	5.1536	1.1903	100.40	9.6271	.12211	1.1660
#1	.37499	.04539	.14756	.00033	.00308	.08574	.49871
#2	.37278	.04219	.15007	.00195	.00353	.08559	.50700
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02942	5.6190	.01071	.00453	.88075	-.0289
SDev	.00037	.0800	.00181	.00115	.01408	.0554
%RSD	1.2594	1.4239	16.861	25.387	1.5990	191.9
#1	.02969	5.5624	.01199	.00534	.87079	.0103
#2	.02916	5.6755	.00944	.00371	.89071	-.0680
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-4 Operator: SW
Run Time: 08/23/06 12:32:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.14043	.13569	-.00353	.00415	-.00025	82.384	.98117
SDev	.00398	.00110	.00553	.00304	.00050	.368	.00856
%RSD	2.8307	.80752	156.72	73.098	201.57	.44652	.87290
#1	.13762	.13491	-.00743	.00630	.00011	82.124	.97511
#2	.14324	.13646	.00038	.00201	-.00060	82.644	.98722
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00607	H632.83	-.00207	.08742	.35275	.10030	148.72
SDev	.00003	2.14	.00001	.00098	.00166	.00076	.80
%RSD	.41178	.33803	.35905	1.1178	.47011	.75719	.53880
#1	.00605	H631.32	-.00207	.08811	.35158	.09977	148.15
#2	.00609	H634.35	-.00208	.08673	.35392	.10084	149.28
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.9709	164.61	5.0365	.63015	.19937	.00559	.15480
SDev	.0598	.60	.0276	.00221	.00189	.00011	.00089
%RSD	.59955	.36277	.54892	.35052	.94630	2.0415	.57151
#1	9.9286	164.19	5.0170	.62859	.19804	.00567	.15417
#2	10.013	165.03	5.0561	.63171	.20071	.00551	.15542
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.29678	.03830	.13727	.00160	.00454	.15773	.99228
SDev	.00033	.00077	.00205	.00018	.00098	.00003	.00522
%RSD	.11253	2.0162	1.4968	11.598	21.651	.02090	.52558
#1	.29654	.03885	.13582	.00173	.00384	.15770	.98859
#2	.29702	.03776	.13872	.00147	.00523	.15775	.99597
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04542	15.847	.01125	.00962	.39531	.0150
SDev	.00059	.080	.00100	.00051	.00310	.0140
%RSD	1.2958	.50197	8.9143	5.3089	.78343	93.25
#1	.04501	15.791	.01196	.00998	.39312	.0248
#2	.04584	15.903	.01054	.00926	.39750	.0051
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-5 Operator: SW
Run Time: 08/23/06 12:35:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.13461	.13397	-.00045	.00675	-.00126	77.943	.75246
SDev	.00027	.00200	.00463	.00084	.00032	.384	.00381
%RSD	.20104	1.4905	1028.6	12.491	25.381	.49322	.50638
#1	.13480	.13256	.00282	.00616	-.00104	78.215	.75515
#2	.13441	.13538	-.00372	.00735	-.00149	77.671	.74976
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00591	190.30	-.00364	.09072	.12046	.04890	179.00
SDev	.00006	1.25	.00004	.00017	.00012	.00037	.84
%RSD	1.0654	.65663	1.0266	.18609	.09577	.75663	.47189
#1	.00586	189.42	-.00366	.09084	.12054	.04916	178.40
#2	.00595	191.18	-.00361	.09060	.12038	.04864	179.60
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.3910	34.986	H10.649	.49848	.05152	.00553	.19537
SDev	.0177	.194	.044	.00047	.00036	.00134	.00012
%RSD	.32827	.55466	.40883	.09399	.69320	24.221	.06287
#1	5.3784	34.848	H10.619	.49882	.05178	.00459	.19528
#2	5.4035	35.123	H10.680	.49815	.05127	.00648	.19546
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.17329	.04976	.13418	.00436	.00252	.05296	.73442
SDev	.00161	.00235	.00124	.00098	.00008	.00015	.00250
%RSD	.93023	4.7212	.92543	22.474	3.1384	.27582	.34050
#1	.17215	.05142	.13330	.00505	.00247	.05306	.73265
#2	.17443	.04810	.13506	.00366	.00258	.05285	.73618
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01222	7.0631	.01010	.00445	.18763	.0129
SDev	.00058	.0338	.00027	.00101	.00074	.0112
%RSD	4.7276	.47853	2.6798	22.646	.39254	86.52
#1	.01181	7.0392	.00990	.00516	.18815	.0208
#2	.01262	7.0870	.01029	.00374	.18711	.0050
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-6 Operator: SW
Run Time: 08/23/06 12:37:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.16932	.16385	-.00048	.00682	-.00084	96.046	.79363
SDev	.00171	.00196	.01140	.00368	.00137	.955	.01371
%RSD	1.0095	1.1968	2389.6	53.935	163.68	.99468	1.7271
#1	.17053	.16246	.00759	.00942	-.00181	96.722	.80332
#2	.16811	.16523	-.00854	.00422	.00013	95.371	.78393
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00602	21.232	-.00340	.10938	.12782	.05202	166.76
SDev	.00003	.043	.00010	.00086	.00080	.00043	.61
%RSD	.42066	.20344	2.8588	.78520	.62565	.82391	.36284
#1	.00600	21.262	-.00347	.10878	.12725	.05232	167.19
#2	.00604	21.201	-.00333	.10999	.12838	.05172	166.34
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.2501	13.572	H13.040	.18675	.06089	.00495	.20650
SDev	.0361	.026	.053	.00157	.00058	.00048	.00063
%RSD	.84971	.19178	.40879	.84275	.95103	9.6422	.30349
#1	4.2245	13.554	H13.077	.18563	.06048	.00461	.20694
#2	4.2756	13.590	H13.002	.18786	.06130	.00528	.20606
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.19601	.05193	.16567	.00439	.00371	.05091	.89976
SDev	.00170	.00186	.00074	.00625	.00572	.00004	.00809
%RSD	.86888	3.5805	.44594	142.41	154.10	.07200	.89884
#1	.19480	.05325	.16515	.00881	.00775	.05094	.90548
#2	.19721	.05062	.16619	-.00003	-.00033	.05089	.89404
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00912	7.5398	.00869	.00400	.03455	.0079
SDev	.00077	.1228	.00104	.00014	.00088	.0346
%RSD	8.4841	1.6283	11.986	3.4276	2.5586	438.4
#1	.00857	7.6266	.00942	.00391	.03517	-.0166
#2	.00967	7.4530	.00795	.00410	.03392	.0323
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-6D Operator: SW
Run Time: 08/23/06 12:40:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.18553	.18086	-.00050	.01188	-.00014	102.17	.67432
SDev	.00045	.00111	.00526	.00169	.00149	1.24	.00350
%RSD	.24069	.61486	1048.4	14.240	1031.7	1.2136	.51924
#1	.18521	.18007	.00322	.01068	-.00120	101.29	.67184
#2	.18585	.18164	-.00422	.01307	.00091	103.05	.67679
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00532	12.247	-.00422	.09945	.14269	.05950	198.83
SDev	.00003	.084	.00028	.00137	.00211	.00121	1.26
%RSD	.46556	.68708	6.5553	1.3749	1.4767	2.0297	.63292
#1	.00531	12.187	-.00442	.09849	.14120	.05864	197.94
#2	.00534	12.306	-.00402	.10042	.14418	.06035	199.72
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.4641	8.2532	H10.334	.17674	.06090	.00835	.21899
SDev	.0588	.0765	.057	.00164	.00092	.00287	.00179
%RSD	1.3174	.92692	.54917	.93075	1.5102	34.405	.81701
#1	4.4225	8.1991	H10.294	.17558	.06025	.00632	.21773
#2	4.5057	8.3073	H10.374	.17791	.06155	.01039	.22026
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.20763	.05352	.18241	.00776	.00402	.05425	.88552
SDev	.00138	.00262	.00089	.00062	.00057	.00095	.00527
%RSD	.66296	4.8860	.48813	8.0374	14.114	1.7461	.59511
#1	.20666	.05167	.18178	.00820	.00362	.05358	.88180
#2	.20860	.05537	.18304	.00732	.00442	.05492	.88925
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00987	7.4964	.01038	.00722	.03208	.0353
SDev	.00146	.0485	.00103	.00090	.00026	.0427
%RSD	14.799	.64645	9.9602	12.438	.82239	121.2

#1	.00883	7.4621	.00965	.00658	.03189	.0051
#2	.01090	7.5306	.01111	.00785	.03227	.0655
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-6L 5X Operator: SW
Run Time: 08/23/C6 12:42:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03713	.03300	.00752	-.00157	-.00079	18.621	.16406
SDev	.00347	.00105	.00317	.00137	.00023	.158	.00066
%RSD	9.3439	3.1800	42.183	87.002	29.156	.84841	.40286
#1	.03958	.03374	.00527	-.00061	-.00063	18.733	.16360
#2	.03467	.03226	.00976	-.00254	-.00096	18.510	.16453
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00119	4.2817	-.00091	.02201	.02604	.01069	31.546
SDev	.00001	.0362	.00000	.00036	.00026	.00038	.258
%RSD	1.0583	.84511	.21107	1.6210	.97809	3.5213	.81750
#1	.00118	4.2561	-.00091	.02176	.02586	.01095	31.363
#2	.00120	4.3072	-.00092	.02226	.02622	.01042	31.728
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.95061	2.8281	2.6777	.11538	.01290	-.00405	.04204
SDev	.01173	.0145	.0212	.00029	.00083	.00312	.00013
%RSD	1.2340	.51336	.79302	.25474	6.4564	76.948	.30280
#1	.94232	2.8178	2.6627	.11559	.01232	-.00185	.04195
#2	.95891	2.8384	2.6927	.11517	.01349	-.00625	.04213
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.04013	.00803	.03438	.00145	.00672	.01113	.18510
SDev	.00066	.00090	.00186	.00014	.00279	.00013	.00408
%RSD	1.6553	11.268	5.3968	9.7828	41.524	1.1479	2.2064

#1	.03966	.00739	.03569	.00135	.00475	.01104	.18221
#2	.04060	.00867	.03306	.00155	.00869	.01122	.18799
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00215	1.6238	.00200	.00082	.00699	-.0222
SDev	.00044	.0290	.00023	.00012	.00004	.0009
%RSD	20.309	1.7858	11.457	15.056	.53215	4.223
#1	.00184	1.6443	.00216	.00073	.00697	-.0229
#2	.00245	1.6033	.00184	.00091	.00702	-.0216
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Analysis Report QC Standard 08/23/06 12:59:30 PM page 1

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/23/06 12:57:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48462	.47994	.49637	.48518	.49533	50.560	.49028
SDev	.00112	.00667	.00418	.01146	.00151	.584	.00334
%RSD	.23068	1.3891	.84184	2.3613	.30470	1.1555	.68122
#1	.48541	.47522	.49932	.47708	.49640	50.973	.49264
#2	.48383	.48465	.49341	.49328	.49427	50.146	.48792
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49079	50.539	.49017	.48606	.48640	.49033	20.214
SDev	.00285	.308	.00354	.00458	.00336	.00495	.079
%RSD	.57988	.60845	.72324	.94181	.68996	1.0096	.39055
#1	.48878	50.321	.48767	.48282	.48402	.49383	20.158
#2	.49281	50.756	.49268	.48930	.48877	.48683	20.270
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.820	50.944	.47370	20.422	.48369	.54159	.47993
SDev	.175	.277	.00149	.211	.00217	.00490	.00203
%RSD	.88214	.54428	.31482	1.0333	.44839	.90388	.42411
#1	19.944	50.748	.47265	20.571	.48216	.53812	.47849
#2	19.697	51.140	.47475	20.273	.48522	.54505	.48137
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.48493	.49783	.48150	.48890	.49107	.48949	.48879
SDev	.00831	.00536	.00407	.00625	.00045	.00226	.00069
%RSD	1.7139	1.0772	.84620	1.2784	.09111	.46148	.14026
#1	.47905	.50163	.47862	.48448	.49075	.48790	.48928
#2	.49080	.49404	.48438	.49332	.49138	.49109	.48831
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95789	2.1461	.48520	.49344	.48423	10.04
SDev	.00476	.0101	.00545	.00471	.00278	.03
%RSD	.49670	.46855	1.1233	.95445	.57336	.2552
#1	.96125	2.1532	.48135	.49011	.48620	10.06
#2	.95452	2.1390	.48906	.49677	.48227	10.02
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/23/06 12:59:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00290	-.00076	.00079	-.00148	.00021	.06475	-.00012
SDev	.00936	.00376	.00855	.00319	.00175	.00458	.00011
%RSD	323.39	493.90	1089.0	215.55	824.80	7.0740	90.816
#1	.00952	-.00342	.00683	-.00374	-.00102	.06799	-.00020
#2	-.00373	.00190	-.00526	.00078	.00145	.06151	-.00004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00025	.06047	.00023	-.00038	.00163	.00077	.02473
SDev	.00014	.01130	.00006	.00121	.00092	.00026	.00129
%RSD	54.897	18.690	25.951	321.26	56.516	34.562	5.2121
#1	.00035	.06846	.00019	-.00123	.00098	.00095	.02382
#2	.00015	.05247	.00028	.00048	.00228	.00058	.02564
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.07914	.06203	.00019	.08789	.00091	-.00229	.00006
SDev	.00039	.00541	.00001	.00378	.00097	.00644	.00115
%RSD	.49050	8.7147	6.9511	4.2999	106.93	281.05	1833.2
#1	.07886	.06586	.00018	.09056	.00022	-.00684	-.00075
#2	.07941	.05821	.00019	.08521	.00159	.00226	.00088
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00104	.00031	.00046	-.00073	.00267	.00157	.00079
SDev	.00047	.00306	.00061	.00072	.00391	.00041	.00021
%RSD	45.596	1003.4	133.78	98.885	146.40	26.379	26.151
#1	-.00137	-.00186	.00089	-.00022	.00543	.00186	.00093
#2	-.00070	.00247	.00002	-.00123	-.00009	.00128	.00064
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00188	.00402	.00061	.00197	.00037	.0078
SDev	.00148	.00044	.00044	.00123	.00012	.0481
%RSD	78.651	10.988	73.228	62.213	31.796	620.3
#1	.00084	.00371	.00029	.00284	.00046	-.0262
#2	.00293	.00434	.00092	.00111	.00029	.0417
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: 0608115-6MS Operator: SW
Run Time: 08/23/06 13:02:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.65738	.65052	1.8623	1.8641	.04699	140.19	2.7691
SDev	.00097	.00929	.0001	.0134	.00012	.67	.0042
%RSD	.14743	1.4281	.00396	.71717	.26341	.48097	.15184
#1	.65807	.64395	1.8623	1.8546	.04690	139.71	2.7661
#2	.65670	.65709	1.8622	1.8735	.04707	140.67	2.7721
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05470	59.459	.04426	.59661	.32238	.31486	166.90
SDev	.00018	.231	.00039	.00283	.00121	.00044	.55
%RSD	.32163	.38912	.87435	.47512	.37549	.14098	.32900
#1	.05457	59.295	.04399	.59460	.32153	.31454	166.51
#2	.05482	59.622	.04454	.59861	.32324	.31517	167.29
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	40.914	53.072	H13.145	38.207	.55152	.23873	.69008
SDev	.190	.246	.040	.220	.00186	.00411	.00242
%RSD	.46513	.46387	.30248	.57577	.33734	1.7209	.35091
#1	40.779	52.898	H13.117	38.052	.55020	.23583	.68837
#2	41.048	53.246	H13.173	38.363	.55284	.24164	.69179
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.78962	1.9859	.65281	1.8635	1.8680	.60942	1.1390
SDev	.00248	.0033	.00587	.0089	.0075	.00288	.0014
%RSD	.31354	.16796	.89976	.47719	.40277	.47327	.12568
#1	.78787	1.9836	.64865	1.8572	1.8627	.60738	1.1380
#2	.79137	1.9883	.65696	1.8698	1.8733	.61146	1.1400
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.75035	9.6141	.46147	.93650	.51314	.0303
SDev	.00120	.0203	.00076	.00237	.00085	.0016
%RSD	.15933	.21118	.16496	.25280	.16672	5.254
#1	.74950	9.5997	.46201	.93483	.51254	.0292
#2	.75119	9.6284	.46093	.93818	.51375	.0315
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-6MSD Operator: SW
Run Time: 08/23/06 13:04:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.64411	.61988	1.8632	1.8804	.04642	135.75	2.6682
SDev	.00984	.00316	.0065	.0288	.00028	1.75	.0278
%RSD	1.5272	.50999	.34629	1.5294	.60215	1.2857	1.0426
#1	.63715	.61765	1.8586	1.8600	.04662	134.51	2.6485
#2	.65106	.62212	1.8677	1.9007	.04622	136.98	2.6878
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05398	52.402	.04431	.57652	.31331	.31717	164.67
SDev	.00034	.317	.00014	.00304	.00145	.00439	1.24
%RSD	.62856	.60460	.30601	.52772	.46359	1.3842	.75500
#1	.05374	52.178	.04440	.57437	.31229	.31406	163.79
#2	.05422	52.626	.04421	.57868	.31434	.32027	165.54
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	40.470	48.527	H10.848	37.940	.54407	.22272	.67504
SDev	.476	.320	.071	.452	.00268	.00058	.00459
%RSD	1.1774	.65891	.65540	1.1926	.49229	.26236	.67993
#1	40.133	48.301	H10.797	37.620	.54218	.22314	.67179
#2	40.807	48.753	H10.898	38.260	.54597	.22231	.67828
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.78004	1.9662	.62795	1.8746	1.8585	.60113	1.0947
SDev	.00257	.0148	.00538	.0213	.0054	.00009	.0078
%RSD	.32990	.75165	.85745	1.1379	.28801	.01485	.70837
#1	.77822	1.9557	.62414	1.8596	1.8547	.60107	1.0892
#2	.78186	1.9766	.63176	1.8897	1.8622	.60120	1.1002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.73406	9.6753	.45718	.92776	.51372	.0106
SDev	.00466	.1190	.00100	.00920	.00468	.0208
%RSD	.63493	1.2296	.21900	.99127	.91099	195.5
#1	.73076	9.5912	.45648	.92125	.51041	.0253
#2	.73736	9.7595	.45789	.93426	.51703	-.0041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608135-1 Operator: SW
Run Time: 08/23/06 13:07:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.12673	.12158	.00113	.00933	-.00165	77.289	.57890
SDev	.00114	.00046	.00001	.00289	.00002	.158	.00038
%RSD	.90163	.37680	.63803	30.948	1.0907	.20429	.06565
#1	.12754	.12190	.00114	.00729	-.00163	77.178	.57863
#2	.12593	.12125	.00113	.01138	-.00166	77.401	.57917
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00542	44.240	-.00345	.08525	.10874	.03175	151.00
SDev	.00003	.155	.00017	.00004	.00064	.00017	.51
%RSD	.46204	.35045	5.0122	.04391	.59070	.52983	.33533
#1	.00540	44.130	-.00357	.08523	.10829	.03163	150.64
#2	.00544	44.350	-.00332	.08528	.10920	.03187	151.36
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.3686	9.4911	7.8479	.23387	.04236	.00201	.18531
SDev	.0159	.0309	.0235	.00847	.00032	.00102	.00064
%RSD	.47289	.32506	.29988	3.6224	.76251	50.663	.34332
#1	3.3573	9.4692	7.8313	.23987	.04213	.00273	.18486
#2	3.3799	9.5129	7.8646	.22788	.04259	.00129	.18576
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.15299	.04556	.12329	.00660	.00337	.04099	.73694
SDev	.00066	.00085	.00069	.00193	.00154	.00007	.00182
%RSD	.43400	1.8583	.55645	29.145	45.691	.18268	.24751
#1	.15252	.04616	.12378	.00524	.00446	.04094	.73565
#2	.15346	.04496	.12281	.00796	.00228	.04104	.73823
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00849	7.6154	.00974	.00720	.06218	-.0087
SDev	.00011	.0102	.00031	.00013	.00004	.0049
%RSD	1.2827	.13364	3.1507	1.7751	.06256	56.84

#1	.00857	7.6082	.00953	.00711	.06215	-.0122
#2	.00842	7.6226	.00996	.00729	.06220	-.0052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608081-1A 3X Operator: SW
Run Time: 08/23/06 13:38:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.3527	1.3387	1.0013	1.0107	-.00096	51.118	.59269
SDev	.0048	.0133	.0094	.0065	.00057	.797	.00920
%RSD	.35275	.99594	.93484	.64415	58.926	1.5583	1.5520
#1	1.3493	1.3292	.99468	1.0061	-.00056	50.555	.58619
#2	1.3561	1.3481	1.0079	1.0153	-.00137	51.682	.59920
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.98355	27.322	.98896	1.0374	1.0887	1.1749	133.00
SDev	.01445	.396	.01355	.0151	.0152	.0181	2.12
%RSD	1.4692	1.4501	1.3704	1.4582	1.3995	1.5378	1.5959
#1	.97334	27.042	.97938	1.0267	1.0780	1.1621	131.50
#2	.99377	27.602	.99855	1.0481	1.0995	1.1877	134.50
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.8268	27.848	3.4992	.95212	1.0980	1.0718	1.2025
SDev	.0736	.396	.0499	.01045	.0157	.0157	.0166
%RSD	1.2627	1.4208	1.4254	1.0971	1.4296	1.4607	1.3807
#1	5.7748	27.569	3.4639	.94474	1.0869	1.0607	1.1908
#2	5.8788	28.128	3.5345	.95951	1.1091	1.0829	1.2143
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.6560	1.0607	1.3433	1.0076	.98935	.06871	6.4103
SDev	.0400	.0160	.0105	.0075	.00792	.00021	.0954
%RSD	1.5063	1.5055	.78027	.74034	.80078	.31099	1.4888
#1	2.6277	1.0494	1.3359	1.0023	.98375	.06856	6.3428
#2	2.6843	1.0720	1.3508	1.0128	.99495	.06886	6.4778
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00911	3.0095	.01621	.98653	.15923	.0206
SDev	.00061	.0485	.00107	.02051	.00247	.0190
%RSD	6.6974	1.6116	6.6060	2.0789	1.5541	92.13
#1	.00954	2.9753	.01696	.97203	.15748	.0340
#2	.00868	3.0438	.01545	1.0010	.16098	.0072
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608089-1A Operator: SW
Run Time: 08/23/06 13:41:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.1463	1.1282	.95775	.94341	.98180	72.320	1.6511
SDev	.0075	.0084	.01308	.01102	.00954	.719	.0131
%RSD	.65838	.74189	1.3657	1.1685	.97177	.99373	.79542
#1	1.1409	1.1223	.94850	.93562	.97505	71.812	1.6418
#2	1.1516	1.1341	.96700	.95121	.98855	72.829	1.6604
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.93360	H1117.4	.87816	.94807	1.0463	1.1034	146.56
SDev	.00641	15.6	.00645	.00776	.0078	.0088	1.20
%RSD	.68606	1.3999	.73462	.81885	.74256	.79659	.81940
#1	.92907	H1106.4	.87359	.94258	1.0408	1.0972	145.71
#2	.93813	H1128.5	.88272	.95356	1.0518	1.1096	147.41
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.489	193.15	5.4793	1.8110	1.0887	1.0377	1.0221
SDev	.170	1.73	.0404	.0156	.0070	.0051	.0075
%RSD	.82748	.89801	.73821	.86001	.64093	.48816	.73660
#1	20.369	191.93	5.4507	1.8000	1.0837	1.0341	1.0168
#2	20.609	194.38	5.5079	1.8221	1.0936	1.0413	1.0274
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.6599	1.0368	1.1342	.94819	.89504	.16647	1.6743
SDev	.0093	.0108	.0081	.01171	.01236	.00016	.0151
%RSD	.56319	1.0453	.71378	1.2348	1.3805	.09851	.90234
#1	1.6533	1.0292	1.1285	.93991	.88630	.16635	1.6637
#2	1.6666	1.0445	1.1399	.95646	.90378	.16658	1.6850
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95777	8.3910	.01072	.93501	.78065	.0232
SDev	.00734	.0652	.00023	.00841	.00583	.0065
%RSD	.76637	.77665	2.1252	.89978	.74639	27.90
#1	.95258	8.3449	.01056	.92907	.77653	.0277
#2	.96296	8.4371	.01088	.94096	.78477	.0186
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-6A Operator: SW
Run Time: 08/23/06 13:43:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.1368	1.1158	.98256	.97753	1.0027	91.828	1.7375
SDev	.0081	.0018	.00024	.00605	.0007	.044	.0006
%RSD	.71659	.16045	.02430	.61907	.06968	.04801	.03450
#1	1.1310	1.1145	.98239	.98181	1.0022	91.859	1.7379
#2	1.1425	1.1171	.98273	.97325	1.0032	91.797	1.7371
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu.	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.99242	126.06	.96632	1.0831	1.0950	1.0658	157.95
SDev	.00668	.74	.00777	.0059	.0059	.0027	1.11
%RSD	.67331	.58589	.80366	.54115	.53874	.24964	.70301
#1	.98769	125.54	.96083	1.0789	1.0908	1.0677	157.17
#2	.99714	126.59	.97181	1.0872	1.0991	1.0639	158.74
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	13.421	13.939	H13.294	1.1922	1.0286	1.0682	1.1509
SDev	.001	.040	.089	.0011	.0052	.0006	.0052
%RSD	.00879	.28828	.67308	.08853	.50698	.05362	.45432
#1	13.420	13.910	H13.231	1.1929	1.0249	1.0687	1.1472
#2	13.422	13.967	H13.357	1.1915	1.0322	1.0678	1.1546
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.1512	1.0480	1.1228	.97920	.97402	.05404	1.8576
SDev	.0133	.0049	.0039	.00396	.00271	.00022	.0109
%RSD	1.1571	.46651	.34796	.40409	.27800	.40464	.58621
#1	1.1418	1.0446	1.1200	.98200	.97210	.05420	1.8499
#2	1.1607	1.0515	1.1255	.97641	.97593	.05389	1.8653
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95518	8.6462	.01061	1.0016	.03512	.0306
SDev	.00434	.0003	.00031	.0058	.00023	.0296
%RSD	.45439	.00328	2.9143	.57670	.65684	96.69
#1	.95212	8.6464	.01039	.99751	.03528	.0516
#2	.95825	8.6460	.01083	1.0057	.03496	.0097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608089-1 3X Operator: SW
Run Time: 08/23/06 13:46:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09204	.10026	-.00431	.00426	.00071	25.541	.27223
SDev	.00145	.00064	.00049	.00060	.00000	.012	.00040
%RSD	1.5723	.63535	11.427	14.092	.03859	.04685	.14591
#1	.09101	.10071	-.00396	.00469	.00071	25.549	.27251
#2	.09306	.09981	-.00466	.00384	.00071	25.532	.27195
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00279	346.62	.00392	.02719	.06165	.05753	51.359
SDev	.00024	.86	.00026	.00016	.00026	.00014	.053
%RSD	8.5808	.24691	6.6454	.58588	.41737	.24867	.10343
#1	.00296	346.02	.00410	.02730	.06183	.05763	51.322
#2	.00262	347.23	.00374	.02707	.06147	.05743	51.397
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.3805	33.329	1.7309	.27660	.08583	.00176	.05202
SDev	.0097	.037	.0021	.00030	.00020	.00059	.00025
%RSD	.28638	.11062	.12359	.11016	.23743	33.633	.48413
#1	3.3737	33.303	1.7324	.27682	.08568	.00218	.05219
#2	3.3874	33.355	1.7294	.27638	.08597	.00134	.05184
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.30261	.02408	.09752	.00141	.00717	.05907	.26958
SDev	.00062	.00160	.00006	.00056	.00084	.00043	.00176
%RSD	.20354	6.6489	.05845	40.104	11.726	.73403	.65237
#1	.30217	.02521	.09748	.00181	.00777	.05876	.27082
#2	.30304	.02295	.09756	.00101	.00658	.05938	.26834
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01646	2.5079	.00291	.00338	.28511	.0048
SDev	.00011	.0069	.00118	.00050	.00003	.0119
%RSD	.66197	.27488	40.493	14.675	.00881	248.4
#1	.01654	2.5128	.00208	.00373	.28513	-.0036
#2	.01639	2.5031	.00374	.00303	.28509	.0132
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608089-1D 3X Operator: SW
Run Time: 08/23/06 13:48:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.08487	.08661	.00347	-.00070	-.00033	24.778	.26073
SDev	.00398	.00067	.00034	.00059	.00060	.154	.00248
%RSD	4.6910	.76810	9.7549	83.540	180.02	.61976	.95017
#1	.08205	.08614	.00371	-.00029	-.00075	24.669	.25898
#2	.08768	.08708	.00323	-.00112	.00009	24.887	.26248
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00218	373.24	.00631	.02677	.06652	.05498	49.126
SDev	.00004	5.14	.00011	.00068	.00116	.00089	.609
%RSD	1.7214	1.3769	1.6747	2.5401	1.7492	1.6174	1.2397
#1	.00216	369.60	.00623	.02629	.06569	.05435	48.696
#2	.00221	376.87	.00638	.02725	.06734	.05561	49.557
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.5014	33.359	2.0815	.29613	.08572	-.00271	.04869
SDev	.0358	.369	.0244	.00107	.00097	.00038	.00089
%RSD	1.0238	1.1073	1.1737	.36115	1.1314	13.842	1.8244
#1	3.4761	33.098	2.0642	.29537	.08503	-.00298	.04806
#2	3.5268	33.621	2.0988	.29688	.08641	-.00245	.04932
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.81460	.02050	.08603	.00069	.00739	.06545	.25948
SDev	.01200	.00071	.00177	.00050	.00107	.00025	.00453
%RSD	1.4731	3.4791	2.0567	73.074	14.528	.38264	1.7464
#1	.80611	.02000	.08478	.00105	.00663	.06527	.25628
#2	.82308	.02101	.08728	.00033	.00814	.06563	.26269
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01558	2.9081	.00294	.00153	.32690	-.0099
SDev	.00101	.0320	.00015	.00012	.00327	.0010
%RSD	6.5065	1.1018	5.1373	8.1115	1.0003	10.57

#1	.01486	2.8854	.00283	.00144	.32458	-.0091
#2	.01629	2.9307	.00305	.00161	.32921	-.0106
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608089-1L 15X Operator: SW
Run Time: 08/23/06 13:53:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01717	.02060	.00202	-.00176	.00178	4.8864	.05539
SDev	.00131	.00011	.00383	.00256	.00053	.0066	.00042
%RSD	7.6481	.51992	189.97	145.62	30.082	.13542	.74881
#1	.01624	.02052	-.00069	-.00357	.00140	4.8911	.05510
#2	.01809	.02067	.00472	.00005	.00215	4.8817	.05568
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00046	66.815	.00084	.00646	.01379	.01283	9.9835
SDev	.00000	.609	.00001	.00000	.00008	.00044	.1018
%RSD	.00643	.91101	.72798	.02203	.58905	3.4172	1.0194
#1	.00046	66.385	.00084	.00646	.01374	.01252	9.9115
#2	.00046	67.246	.00083	.00646	.01385	.01314	10.055
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.73653	6.8225	.36278	.13802	.01988	.00181	.01102
SDev	.00816	.0464	.00355	.00015	.00009	.00026	.00013
%RSD	1.1084	.67998	.97840	.10726	.42748	14.678	1.1803
#1	.73075	6.7897	.36027	.13812	.01994	.00200	.01092
#2	.74230	6.8553	.36529	.13791	.01982	.00162	.01111
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.10118	.00559	.01945	-.00050	.00880	.01191	.05459
SDev	.00109	.00187	.00051	.00298	.00071	.00013	.00114
%RSD	1.0770	33.408	2.6145	593.66	8.0122	1.0655	2.0849
#1	.10041	.00427	.01909	-.00261	.00930	.01182	.05379
#2	.10195	.00692	.01981	.00161	.00831	.01200	.05540
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00483	.51403	.00278	.00155	.05703	.0466
SDev	.00070	.00871	.00068	.00038	.00043	.0111
%RSD	14.446	1.6939	24.589	24.343	.75737	23.73
#1	.00433	.50787	.00229	.00128	.05673	.0388
#2	.00532	.52019	.00326	.00181	.05734	.0545
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608089-1MS 3X Operator: SW
Run Time: 08/23/06 13:55:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.25399	.25246	.65728	.63950	.01423	40.550	1.0138
SDev	.00877	.00083	.01528	.01208	.00084	.499	.0165
%RSD	3.4541	.32997	2.3243	1.8882	5.9272	1.2314	1.6244
#1	.24779	.25187	.64648	.63097	.01483	40.197	1.0022
#2	.26019	.25305	.66808	.64804	.01364	40.903	1.0255
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01865	325.16	.01798	.18809	.13808	.14779	57.511
SDev	.00025	4.35	.00034	.00158	.00151	.00333	.837
%RSD	1.3481	1.3374	1.8678	.83854	1.0923	2.2565	1.4551
#1	.01847	322.08	.01774	.18697	.13701	.14543	56.919
#2	.01882	328.23	.01822	.18920	.13914	.15015	58.103
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	18.408	42.408	2.6681	14.734	.25550	.06687	.21648
SDev	.228	.482	.0361	.182	.00296	.00171	.00242
%RSD	1.2402	1.1372	1.3523	1.2372	1.1594	2.5622	1.1159
#1	18.246	42.067	2.6426	14.606	.25340	.06566	.21477
#2	18.569	42.749	2.6936	14.863	.25759	.06808	.21819
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50164	.68621	.25297	.64542	.62892	.25199	.44453
SDev	.00442	.00818	.00348	.01314	.00425	.00111	.00802
%RSD	.88122	1.1916	1.3745	2.0361	.67628	.43953	1.8039
#1	.49851	.68043	.25051	.63613	.62591	.25277	.43886
#2	.50476	.69199	.25543	.65472	.63193	.25120	.45020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.30748	4.9252	.15539	.30878	.43694	-.0521
SDev	.00404	.0712	.00254	.00704	.00698	.0347
%RSD	1.3147	1.4466	1.6327	2.2807	1.5963	66.60
#1	.30462	4.8748	.15359	.30380	.43201	-.0276
#2	.31033	4.9755	.15718	.31376	.44187	-.0767
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/23/06 13:58:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49621	.47814	.50468	.48773	.50031	51.350	.50102
SDev	.00222	.00770	.00638	.01085	.00600	.702	.00774
%RSD	.44718	1.6099	1.2633	2.2235	1.1982	1.3671	1.5456
#1	.49464	.47269	.50017	.48006	.49607	50.853	.49554
#2	.49778	.48358	.50919	.49539	.50455	51.846	.50649
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49563	51.239	.49381	.49050	.48930	.49914	20.469
SDev	.00572	.398	.00441	.00607	.00591	.00785	.199
%RSD	1.1536	.77606	.89416	1.2377	1.2086	1.5734	.97293
#1	.49158	50.958	.49068	.48620	.48512	.49359	20.329
#2	.49967	51.520	.49693	.49479	.49348	.50469	20.610
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.054	51.316	.48256	20.621	.48715	.51311	.48528
SDev	.254	.503	.00489	.265	.00386	.01025	.00552
%RSD	1.2646	.98046	1.0132	1.2864	.79171	1.9982	1.1371
#1	19.875	50.960	.47910	20.433	.48442	.50586	.48138
#2	20.233	51.671	.48602	20.809	.48988	.52036	.48918
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.48684	.50310	.48415	.49337	.49278	.48523	.49607
SDev	.00380	.00540	.00587	.00936	.00410	.00322	.00589
%RSD	.78091	1.0729	1.2131	1.8965	.83150	.66453	1.1870
#1	.48416	.49928	.48000	.48676	.48988	.48295	.49191
#2	.48953	.50692	.48831	.49999	.49568	.48751	.50023
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	PPM	PPM	PPM	PPM	PPM
Avge	.97679	2.1853	.48841	.50201	.49426	10.18
SDev	.01442	.0208	.00190	.00793	.00753	.17
%RSD	1.4761	.94989	.38844	1.5788	1.5234	1.648
#1	.96660	2.1706	.48707	.49641	.48894	10.06
#2	.98699	2.2000	.48975	.50762	.49959	10.30
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/23/06 14:00:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00277	-.00158	.01030	-.00129	.00044	.07426	.00010
SDev	.00470	.00416	.00805	.00316	.00052	.01314	.00017
%RSD	169.29	262.68	78.190	245.23	118.36	17.689	166.23
#1	-.00055	.00136	.00460	-.00352	.00080	.08354	.00022
#2	.00609	-.00452	.01599	.00095	.00007	.06497	-.00002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00037	.08668	.00027	.00025	.00182	.00132	.03834
SDev	.00018	.01195	.00032	.00016	.00029	.00028	.01281
%RSD	47.797	13.791	117.28	64.245	15.768	21.042	33.414
#1	.00049	.09513	.00050	.00014	.00202	.00112	.02928
#2	.00024	.07822	.00005	.00037	.00161	.00151	.04740
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.12399	.07568	.00060	.09200	.00331	-.00089	.00033
SDev	.02534	.01515	.00015	.00495	.00134	.00347	.00076
%RSD	20.434	20.014	25.971	5.3813	40.549	389.43	228.04
#1	.14191	.08639	.00071	.09550	.00236	.00156	.00087
#2	.10607	.06497	.00049	.08850	.00426	-.00335	-.00020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00074	.00011	-.00013	.00257	.00482	.00175	.00125
SDev	.00043	.00094	.00121	.00479	.00256	.00026	.00047
%RSD	57.815	891.04	916.10	186.24	53.060	14.592	37.174
#1	-.00044	-.00056	.00072	-.00081	.00301	.00194	.00092
#2	-.00104	.00077	-.00099	H.00596	.00663	.00157	.00158
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00222	.00879	.00119	.00242	.00053	.0145
SDev	.00048	.00000	.00105	.00062	.00008	.0076
%RSD	21.566	.02948	88.554	25.714	14.973	52.79
#1	.00256	.00880	.00194	.00198	.00059	.0199
#2	.00188	.00879	.00045	.00285	.00047	.0091
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: 0608089-1MSD 3X Operator: SW
Run Time: 08/23/06 14:03:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.24842	.24180	.66716	.64431	.01518	37.979	.96087
SDev	.00438	.00408	.00857	.01776	.00046	.256	.00478
%RSD	1.7611	1.6881	1.2849	2.7561	3.0048	.67322	.49725
#1	.24533	.23891	.66110	.63176	.01486	37.799	.95749
#2	.25152	.24469	.67322	.65687	.01550	38.160	.96424
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01867	342.69	.02049	.18538	.12722	.14132	52.904
SDev	.00016	2.65	.00037	.00170	.00122	.00150	.413
%RSD	.87471	.77466	1.7959	.91611	.95565	1.0590	.78143
#1	.01856	340.81	.02023	.18418	.12636	.14027	52.612
#2	.01879	344.56	.02075	.18658	.12808	.14238	53.196
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	18.158	45.291	1.9714	14.647	.24570	.06900	.21334
SDev	.122	.354	.0137	.084	.00174	.00312	.00179
%RSD	.67312	.78160	.69740	.57036	.70713	4.5185	.83852
#1	18.071	45.041	1.9616	14.588	.24447	.06679	.21207
#2	18.244	45.541	1.9811	14.706	.24693	.07120	.21460
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.46831	.68177	.24401	.65192	.63054	.25118	.42866
SDev	.00366	.00978	.00418	.01470	.00255	.00199	.00438
%RSD	.78116	1.4340	1.7128	2.2548	.40477	.79389	1.0218
#1	.46573	.67486	.24105	.64153	.62874	.24977	.42556
#2	.47090	.68868	.24696	.66232	.63235	.25259	.43176
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.30609	4.7151	.15830	.30768	.45090	-.0273
SDev	.00364	.0638	.00285	.00497	.00231	.0144
%RSD	1.1886	1.3532	1.7995	1.6151	.51112	52.61

#1	.30352	4.6700	.15629	.30417	.44927	-.0375
#2	.30867	4.7603	.16032	.31120	.45253	-.0171
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608089-2 3X Operator: SW
Run Time: 08/23/06 14:06:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08488	.07934	.01171	-.00268	-.00066	25.013	.27918
SDev	.01330	.00620	.01418	.00884	.00186	.149	.00187
%RSD	15.674	7.8157	121.08	330.12	280.30	.59702	.67079
#1	.09429	.07496	.02173	-.00892	-.00198	25.119	.28051
#2	.07547	.08373	.00168	.00357	.00065	24.908	.27786
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00218	324.41	.00197	.02414	.05858	.05520	50.461
SDev	.00004	2.35	.00027	.00081	.00156	.00122	.117
%RSD	1.7204	.72594	13.752	3.3432	2.6556	2.2094	.23196
#1	.00216	322.74	.00178	.02357	.05748	.05606	50.378
#2	.00221	326.07	.00216	.02471	.05968	.05433	50.543
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.3918	43.411	1.7071	.28630	.07950	-.00104	.05075
SDev	.0287	.204	.0016	.00198	.00105	.00300	.00102
%RSD	.84693	.47052	.09378	.69274	1.3270	288.68	2.0173
#1	3.3715	43.267	1.7060	.28770	.07876	-.00317	.05003
#2	3.4121	43.555	1.7083	.28490	.08025	.00108	.05148
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.28853	.02175	.08119	.00211	.00913	.05515	.27961
SDev	.00223	.00167	.00029	.00117	.00160	.00033	.00032
%RSD	.77249	7.6845	.36202	55.534	17.576	.59361	.11394
#1	.28695	.02057	.08139	.00128	.01026	.05492	.27984
#2	.29010	.02293	.08098	.00294	.00799	.05538	.27939
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01439	2.9295	.00539	.00161	.26056	-.0130
SDev	.00125	.0048	.00072	.00098	.00153	.0436
%RSD	8.7090	.16426	13.383	60.615	.58674	335.1
#1	.01350	2.9329	.00488	.00231	.26164	-.0439
#2	.01528	2.9261	.00590	.00092	.25947	.0178
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-1 2X Operator: SW
Run Time: 08/23/06 14:07:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04334	.04246	-.00267	.00017	-.00138	37.773	.10109
SDev	.00756	.00541	.01903	.00118	.00099	.409	.00130
%RSD	17.439	12.730	712.85	710.69	71.640	1.0841	1.2877
#1	.04868	.03864	.01078	-.00067	-.00207	37.483	.10017
#2	.03799	.04628	-.01612	.00100	-.00068	38.062	.10201
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00183	252.10	-.00140	.01682	.04096	.03113	84.636
SDev	.00003	2.02	.00028	.00076	.00052	.00032	.977
%RSD	1.3556	.80214	20.004	4.5144	1.2632	1.0263	1.1543
#1	.00181	250.67	-.00160	.01628	.04059	.03136	83.945
#2	.00185	253.53	-.00120	.01736	.04132	.03091	85.327
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.4114	16.446	.49469	.23724	.03297	-.00176	.06277
SDev	.0231	.101	.00392	.00068	.00080	.00341	.00153
%RSD	.52380	.61237	.79182	.28712	2.4260	193.69	2.4331
#1	4.3951	16.375	.49192	.23676	.03240	-.00417	.06169
#2	4.4278	16.517	.49746	.23772	.03353	.00065	.06385
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.11507	.01929	.04275	-.00078	.00729	.03868	.29408
SDev	.00100	.00374	.00109	.00555	.00205	.00049	.00467
%RSD	.86592	19.381	2.5459	713.15	28.067	1.2654	1.5887
#1	.11437	.01665	.04198	.00315	.00874	.03833	.29078
#2	.11578	.02193	.04352	-.00470	.00584	.03903	.29739
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01509	3.7265	.00358	.00196	.24913	-.0253
SDev	.00055	.0430	.00008	.00049	.00340	.0224
%RSD	3.6106	1.1534	2.2515	25.001	1.3648	88.26
#1	.01471	3.6961	.00364	.00231	.24672	-.0411
#2	.01548	3.7569	.00352	.00161	.25153	-.0095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-3 3X Operator: SW
Run Time: 08/23/06 14:09:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.05256	.05361	.00192	-.00385	.00061	17.521	.25301
SDev	.00602	.00222	.00762	.00442	.00093	.010	.00030
%RSD	11.445	4.1397	397.24	114.66	151.71	.05668	.11957
#1	.04831	.05518	-.00347	-.00073	-.00004	17.514	.25280
#2	.05681	.05204	.00730	-.00697	.00127	17.528	.25323
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00169	367.93	-.00041	.02115	.03111	.03831	44.838
SDev	.00001	2.52	.00004	.00057	.00063	.00098	.191
%RSD	.74018	.68565	10.425	2.7026	2.0326	2.5604	.42567
#1	.00168	366.15	-.00044	.02075	.03066	.03762	44.703
#2	.00169	369.72	-.00038	.02156	.03156	.03900	44.973
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.4693	45.804	1.1796	.27100	.02651	.00133	.04268
SDev	.0181	.308	.0058	.00167	.00066	.00166	.00051
%RSD	.73304	.67142	.49473	.61785	2.5033	124.65	1.2041
#1	2.4565	45.586	1.1755	.26982	.02604	.00016	.04232
#2	2.4821	46.021	1.1838	.27219	.02698	.00250	.04305
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.13600	.01679	.05326	-.00193	.00516	.03050	.18702
SDev	.00128	.00219	.00052	.00041	.00011	.00027	.00230
%RSD	.93982	13.050	.98164	21.185	2.1217	.88464	1.2312
#1	.13509	.01524	.05289	-.00164	.00524	.03031	.18865
#2	.13690	.01834	.05363	-.00222	.00509	.03069	.18539
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01228	2.5901	.00479	.00163	.30084	.0191
SDev	.00032	.0226	.00092	.00125	.00036	.0191
%RSD	2.5738	.87106	19.111	76.743	.11868	99.55
#1	.01250	2.6060	.00415	.00074	.30058	.0057
#2	.01205	2.5741	.00544	.00251	.30109	.0326
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-4 2X Operator: SW
Run Time: 08/23/06 14:11:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07825	.06978	.00522	-.00310	.00019	42.163	.50988
SDev	.00061	.00134	.00223	.00318	.00179	.489	.00566
%RSD	.78182	1.9200	42.693	102.80	924.28	1.1601	1.1094
#1	.07869	.06883	.00365	-.00085	-.00107	42.509	.51388
#2	.07782	.07073	.00680	-.00535	.00146	41.817	.50588
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00315	314.60	-.00051	.04620	.18507	.05262	74.929
SDev	.00005	1.97	.00029	.00110	.00098	.00001	.206
%RSD	1.5937	.62618	57.788	2.3778	.53087	.01768	.27553
#1	.00311	313.21	-.00071	.04542	.18438	.05261	74.783
#2	.00318	316.00	-.00030	.04698	.18576	.05262	75.075
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1702	84.739	2.6374	.35485	.10646	.00187	.08128
SDev	.0018	.440	.0019	.00300	.00027	.00271	.00103
%RSD	.03548	.51909	.07230	.84594	.25686	144.53	1.2623
#1	5.1689	84.428	2.6360	.35698	.10626	-.00004	.08055
#2	5.1715	85.050	2.6387	.35273	.10665	.00379	.08200
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.15693	.01747	.07260	-.00033	.00710	.08092	.53650
SDev	.00170	.00037	.00069	.00138	.00011	.00060	.00517
%RSD	1.0856	2.1142	.95023	421.73	1.5230	.73652	.96298
#1	.15573	.01720	.07211	.00065	.00718	.08050	.54015
#2	.15814	.01773	.07309	-.00130	.00702	.08134	.53284
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02552	9.6417	.00735	.00596	.20395	.0165
SDev	.00093	.0572	.00199	.00011	.00218	.0466
%RSD	3.6304	.59314	27.107	1.8414	1.0706	281.9
#1	.02486	9.6821	.00594	.00604	.20550	-.0164
#2	.02617	9.6012	.00876	.00588	.20241	.0494
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-5 2X Operator: SW
Run Time: 08/23/06 14:13:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.06940	.06861	-.00370	.00040	-.00061	39.161	.38238
SDev	.00284	.00112	.00144	.00033	.00017	.350	.00496
%RSD	4.0998	1.6264	38.996	80.585	27.917	.89302	1.2981
#1	.06739	.06940	-.00268	.00017	-.00049	39.408	.38589
#2	.07142	.06782	-.00473	.00064	-.00073	38.914	.37887
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00297	95.510	-.00135	.04643	.06185	.02478	87.331
SDev	.00004	.333	.00007	.00029	.00039	.00030	.242
%RSD	1.2775	.34823	5.4617	.61590	.63237	1.2207	.27724
#1	.00295	95.745	-.00129	.04663	.06213	.02500	87.502
#2	.00300	95.275	-.00140	.04623	.06158	.02457	87.160
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.8188	18.056	5.4167	.28544	.02648	.00085	.10003
SDev	.0173	.099	.0141	.00015	.00024	.00339	.00089
%RSD	.61521	.54631	.26106	.05344	.89995	397.77	.89006
#1	2.8065	18.126	5.4267	.28555	.02665	.00325	.10066
#2	2.8311	17.986	5.4067	.28533	.02631	-.00154	.09940
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.08935	.02653	.06887	-.00096	.00381	.02707	.37995
SDev	.00047	.00064	.00020	.00026	.00310	.00023	.00089
%RSD	.53036	2.4064	.29508	27.351	81.327	.86431	.23457
#1	.08902	.02608	.06873	-.00078	.00162	.02724	.37932
#2	.08969	.02699	.06902	-.00115	.00600	.02690	.38058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00710	4.2257	.00450	.00180	.09486	.0065
SDev	.00021	.0723	.00042	.00025	.00115	.0094
%RSD	2.9159	1.7103	9.3297	13.674	1.2151	143.2

#1	.00725	4.2768	.00479	.00162	.09567	.0132
#2	.00695	4.1746	.00420	.00197	.09404	-.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-6 2X Operator: SW
Run Time: 08/23/06 14:15:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08629	.08252	.00410	-.00194	-.00111	48.359	.40655
SDev	.00187	.00067	.00573	.00416	.00149	.551	.00572
%RSD	2.1654	.81080	139.88	214.07	133.96	1.1400	1.4079
#1	.08497	.08299	.00004	.00100	-.00006	47.969	.40250
#2	.08762	.08204	.00815	-.00489	-.00217	48.748	.41060
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00299	10.942	-.00134	.05580	.06500	.02649	81.329
SDev	.00001	.058	.00024	.00119	.00041	.00008	.654
%RSD	.42132	.52898	17.582	2.1234	.63679	.30278	.80369
#1	.00298	10.983	-.00117	.05663	.06529	.02654	80.866
#2	.00300	10.901	-.00151	.05496	.06471	.02643	81.791
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.2742	7.0245	6.6225	.15412	.03153	-.00168	.10568
SDev	.0064	.0033	.0553	.00052	.00083	.00444	.00001
%RSD	.28054	.04719	.83442	.33771	2.6464	264.19	.00863
#1	2.2787	7.0221	6.5834	.15375	.03212	.00146	.10568
#2	2.2697	7.0268	6.6616	.15449	.03094	-.00482	.10567
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.10074	.02497	.08378	.00007	.00535	.02585	.48674
SDev	.00052	.00128	.00018	.00087	.00010	.00008	.00831
%RSD	.51396	5.1182	.21008	1271.1	1.9382	.30302	1.7078

#1	.10111	.02406	.08365	.00068	.00542	.02580	.48086
#2	.10038	.02587	.08390	-.00054	.00528	.02591	.49262
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00431	4.9914	.00485	.00205	.01783	-.0104
SDev	.00029	.0927	.00149	.00036	.00009	.0418
%RSD	6.8243	1.8577	30.709	17.494	.47847	403.8
#1	.00452	4.9258	.00590	.00180	.01777	.0192
#2	.00410	5.0570	.00380	.00231	.01789	-.0399
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-6D 2X Operator: SW
Run Time: 08/23/06 14:16:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09840	.09003	.00725	.00010	.00001	50.187	.34255
SDev	.00654	.00301	.01142	.00260	.00056	.328	.00507
%RSD	6.6460	3.3392	157.65	2631.8	6213.5	.65452	1.4814
#1	.10302	.08790	.01532	-.00174	-.00039	49.955	.33896
#2	.09377	.09215	-.00083	.00194	.00041	50.419	.34614
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00267	6.2395	-.00169	.05131	.07266	.03041	96.541
SDev	.00001	.0234	.00009	.00109	.00058	.00028	.765
%RSD	.47960	.37516	5.5266	2.1143	.79396	.92728	.79191
#1	.00268	6.2230	-.00162	.05054	.07225	.03061	96.001
#2	.00266	6.2561	-.00175	.05208	.07307	.03021	97.082
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.3677	4.2782	5.2532	.13138	.03225	.00343	.11134
SDev	.0245	.0097	.0397	.00007	.00072	.00279	.00089
%RSD	1.0351	.22703	.75532	.05622	2.2175	81.457	.80053

#1	2.3850	4.2714	5.2251	.13143	.03175	.00145	.11071
#2	2.3504	4.2851	5.2812	.13132	.03276	.00540	.11197
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000
Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.10686	.02731	.09282	.00248	.00565	.02743	.45805
SDev	.00067	.00188	.00017	.00207	.00142	.00027	.00417
%RSD	.62196	6.8718	.18581	83.423	25.107	.99390	.91020
#1	.10639	.02598	.09294	.00394	.00666	.02724	.45510
#2	.10733	.02864	.09269	.00102	.00465	.02762	.46100
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000
Elem	B	Si	Sn	Mo	Sr	U	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00464	4.6171	.00640	.00436	.01638	.0165	
SDev	.00118	.0234	.00115	.00062	.00019	.0161	
%RSD	25.349	.50727	17.941	14.254	1.1556	97.66	
#1	.00381	4.6005	.00558	.00480	.01625	.0051	
#2	.00547	4.6336	.00721	.00392	.01651	.0279	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	10.000	50.000	10.000	10.000	10.000	50.00	
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000	

Method: 30EL Sample Name: 0608115-6L 10X Operator: SW
Run Time: 08/23/06 14:18:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01128	.01967	-.00193	.00012	.00005	9.0025	.08189
SDev	.00673	.00242	.00660	.00075	.00115	.1603	.00123
%RSD	59.650	12.301	342.85	649.64	2296.5	1.7806	1.4972
#1	.00652	.02138	-.00659	.00065	-.00076	9.1159	.08275
#2	.01604	.01796	.00274	-.00041	.00086	8.8892	.08102
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000
Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00056	2.1246	-.00023	.01134	.01342	.00490	15.327
SDev	.00003	.0047	.00025	.00100	.00057	.00149	.085
%RSD	4.4641	.22222	108.81	8.8334	4.2234	30.373	.55527

#1	.00054	2.1279	-.00040	.01063	.01302	.00385	15.387
#2	.00058	2.1212	-.00005	.01204	.01382	.00595	15.267
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.55386	1.4227	1.3473	.10299	.00747	-.00204	.02141
SDev	.06123	.0043	.0088	.00139	.00044	.00251	.00090
%RSD	11.055	.30104	.65516	1.3494	5.9312	122.98	4.1939
#1	.51057	1.4197	1.3536	.10201	.00716	-.00382	.02078
#2	.59716	1.4258	1.3411	.10397	.00778	-.00027	.02205
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02035	.00540	.01688	-.00056	.00404	.00606	.09653
SDev	.00057	.00354	.00063	.00170	.00020	.00005	.00618
%RSD	2.8026	65.511	3.7125	300.99	5.0612	.74720	6.4046
#1	.01995	.00290	.01643	-.00177	.00389	.00609	.09216
#2	.02075	.00790	.01732	.00064	.00418	.00602	.10090
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	PPM	PPM	PPM	PPM	PPM
Avge	.00158	1.0050	-.00094	-.00080	.00352	.0059
SDev	.00060	.0045	.00162	.00195	.00002	.0290
%RSD	37.843	.44316	172.19	243.46	.65095	488.5
#1	.00116	1.0019	-.00209	-.00218	.00351	-.0146
#2	.00201	1.0082	.00020	.00058	.00354	.0265
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0608115-6MS 2X Operator: SW
Run Time: 08/23/06 14:20:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.33941	.34055	.97913	.98592	.02502	69.764	1.3917
SDev	.00362	.00478	.00196	.01141	.00245	1.133	.0307
%RSD	1.0652	1.4038	.20017	1.1573	9.7861	1.6244	2.2075

#1	.34197	.33717	.98051	.97785	.02328	70.565	1.4134
#2	.33685	.34393	.97774	.99399	.02675	68.962	1.3699
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02736	29.444	.02322	.30482	.16329	.15804	80.691
SDev	.00003	.067	.00036	.00126	.00127	.00233	.215
%RSD	.09248	.22793	1.5433	.41450	.77507	1.4759	.26603
#1	.02735	29.396	.02296	.30393	.16240	.15969	80.843
#2	.02738	29.491	.02347	.30572	.16419	.15640	80.539
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	21.229	26.728	6.6267	19.349	.28348	.10803	.35084
SDev	.250	.106	.0289	.236	.00182	.00781	.00049
%RSD	1.1765	.39514	.43621	1.2212	.64281	7.2250	.13933
#1	21.405	26.653	6.6471	19.516	.28219	.10251	.35118
#2	21.052	26.802	6.6062	19.182	.28476	.11355	.35049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.40217	.99541	.34017	.98366	.96756	.30025	.58474
SDev	.00507	.00293	.00198	.00696	.00282	.00094	.01083
%RSD	1.2618	.29460	.58345	.70734	.29178	.31172	1.8521
#1	.39858	.99748	.33877	.97874	.96955	.29959	.59240
#2	.40576	.99333	.34157	.98858	.96556	.30091	.57709
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.38885	5.9085	.23003	.46204	.25677	.0364
SDev	.00274	.0635	.00079	.00081	.00503	.0782
%RSD	.70573	1.0754	.34233	.17623	1.9573	214.6
#1	.39079	5.9534	.22948	.46146	.26032	-.0189
#2	.38691	5.8635	.23059	.46261	.25322	.0918
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00

Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/23/06 14:22:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48750	.48302	.49918	.49333	.49834	51.083	.49530
SDev	.01435	.00661	.00899	.00370	.00609	.694	.00307
%RSD	2.9447	1.3693	1.8001	.74965	1.2219	1.3583	.62072
#1	.49765	.47834	.50553	.49072	.49404	50.592	.49313
#2	.47735	.48769	.49282	.49595	.50265	51.573	.49748
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49190	50.830	.49293	.48996	.48858	.49380	20.483
SDev	.00113	.106	.00170	.00238	.00265	.00645	.049
%RSD	.22977	.20868	.34413	.48661	.54151	1.3051	.23778
#1	.49110	50.755	.49173	.48827	.48671	.48924	20.518
#2	.49270	50.905	.49413	.49164	.49045	.49836	20.449
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.989	51.295	.49448	20.575	.48601	.51733	.48309
SDev	.251	.175	.00818	.315	.00145	.00986	.00322
%RSD	1.2541	.34066	1.6551	1.5326	.29849	1.9064	.66666
#1	19.811	51.171	.50027	20.352	.48498	.51036	.48081
#2	20.166	51.418	.48869	20.798	.48703	.52431	.48537
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.48872	.49889	.48451	.49528	.49341	.48751	.49142
SDev	.00180	.00706	.00037	.00052	.00036	.00970	.00276
%RSD	.36908	1.4147	.07612	.10610	.07234	1.9899	.56173
#1	.49000	.49390	.48477	.49565	.49315	.48065	.48947
#2	.48745	.50388	.48425	.49491	.49366	.49437	.49337
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000

Range	10.000	10.000	10.000	10.000	10.000		10.000
Elem	B	Si	Sn	Mo	Sr	U	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.96760	2.1848	.48741	.49975	.48677	10.07	
SDev	.01063	.0074	.00142	.00085	.00461	.18	
%RSD	1.0982	.33847	.29057	.17008	.94657	1.752	
#1	.96009	2.1796	.48641	.49915	.48351	9.942	
#2	.97512	2.1901	.48841	.50035	.49003	10.19	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	1.0000	2.2500	.50000	.50000	.50000	10.00	
Range	10.000	10.000	10.000	10.000	10.000	10.00	

Analysis Report Blank Sample 08/23/06 02:26:28 PM page 1

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/23/06 14:24:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00491	-.00216	.00598	-.00161	.00067	.08698	.00029
SDev	.00357	.00190	.00238	.00092	.00093	.01426	.00009
%RSD	72.783	88.236	39.818	57.211	139.14	16.399	32.651
#1	.00743	-.00350	.00767	-.00226	.00001	.09707	.00036
#2	.00238	-.00081	.00430	-.00096	.00132	.07689	.00022
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00050	.09257	.00050	.00011	.00178	.00204	.04801
SDev	.00021	.01859	.00003	.00044	.00048	.00006	.00400
%RSD	42.659	20.080	6.7062	406.43	26.730	2.8839	8.3426
#1	.00065	.10572	.00053	-.00020	.00144	.00200	.05084
#2	.00035	.07943	.00048	.00042	.00212	.00208	.04517
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.11736	.09016	.00138	.09587	H.03060	.00030	.00043
SDev	.00834	.01647	.00015	.00547	.00115	.00248	.00038
%RSD	7.1104	18.263	11.213	5.7055	3.7747	833.27	90.260
#1	.11146	.10180	.00149	.09973	H.03142	-.00146	.00015
#2	.12327	.07852	.00127	.09200	H.02978	.00206	.00070
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00080	-.00101	.00020	.00092	.00628	.00183	.00152
SDev	.00014	.00190	.00008	.00018	.00256	.00026	.00006
%RSD	17.673	189.16	41.174	19.445	40.740	13.958	3.9060
#1	-.00090	.00034	.00014	.00104	.00809	.00201	.00157
#2	-.00070	-.00235	.00025	.00079	.00447	.00165	.00148
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00259	.01363	.00178	.00330	.00066	.0159
SDev	.00038	.00345	.00189	.00037	.00019	.0177
%RSD	14.752	25.319	106.29	11.195	28.379	110.8
#1	.00285	.01607	.00312	.00356	.00079	.0035
#2	.00232	.01119	.00044	.00304	.00052	.0284
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Method: 30EL Sample Name: 0608115-6MSD 2X Operator: SW
Run Time: 08/23/06 14:26:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.33008	.32326	.97998	.97809	.02408	69.419	1.3818
SDev	.00477	.00191	.00194	.00455	.00022	.626	.0160
%RSD	1.4449	.59027	.19851	.46524	.91760	.90134	1.1553
#1	.32671	.32191	.97860	.97487	.02424	68.976	1.3705
#2	.33346	.32461	.98135	.98131	.02392	69.861	1.3931
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02748	26.437	.02316	.29930	.16132	.16362	81.157
SDev	.00009	.096	.00022	.00118	.00030	.00148	.467
%RSD	.31976	.36272	.93150	.39472	.18388	.90353	.57587
#1	.02742	26.369	.02301	.29846	.16111	.16258	80.827
#2	.02754	26.505	.02332	.30013	.16153	.16467	81.488
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	21.519	24.817	5.5801	19.687	.28521	.10478	.35039
SDev	.194	.087	.0294	.183	.00201	.00051	.00140
%RSD	.89934	.35254	.52723	.93193	.70449	.48966	.40055
#1	21.382	24.755	5.5593	19.557	.28379	.10514	.34940
#2	21.655	24.878	5.6009	19.817	.28663	.10441	.35138
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.40207	1.0134	.32553	.97872	.97322	.30058	.57557
SDev	.00009	.0102	.00286	.00368	.00791	.00128	.00262
%RSD	.02336	1.0107	.87884	.37630	.81292	.42551	.45542
#1	.40213	1.0061	.32351	.97611	.96763	.29968	.57371
#2	.40200	1.0206	.32755	.98132	.97882	.30149	.57742
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39086	5.9997	.23406	.46796	.26444	.0043
SDev	.00190	.0406	.00100	.00602	.00278	.0152
%RSD	.48672	.67722	.42530	1.2869	1.0505	354.8
#1	.38952	5.9709	.23336	.46370	.26247	.0151
#2	.39221	6.0284	.23477	.47222	.26640	-.0065
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CRI Operator: SW
Run Time: 08/23/06 14:28:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00907	.00618	.01557	.00669	.02119	.43659	.41714
SDev	.00106	.00073	.00591	.00147	.00049	.01912	.00451
%RSD	11.670	11.788	37.973	21.943	2.3376	4.3792	1.0815
#1	.00832	.00670	.01139	.00773	.02154	.45011	.41395
#2	.00982	.00567	.01975	.00565	.02084	.42307	.42033
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01045	9.6110	.01061	.10451	.02031	.05223	.22975
SDev	.00006	.0345	.00016	.00004	.00046	.00025	.02800
%RSD	.60300	.35946	1.5163	.04008	2.2696	.48489	12.189
#1	.01050	9.5866	.01072	.10448	.02064	.05205	.24955
#2	.01041	9.6354	.01049	.10454	.01999	.05241	.20994
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.9065	9.6485	.03470	8.8417	.08336	.11723	.10307
SDev	.0974	.0348	.00185	.1547	.00007	.00104	.00025
%RSD	1.0931	.36019	5.3223	1.7498	.08164	.89110	.23943
#1	8.8377	9.6239	.03600	8.7323	.08331	.11797	.10289
#2	8.9754	9.6731	.03339	8.9511	.08340	.11649	.10324
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.04255	.01142	.00714	.00965	.02604	.02460	.02091
SDev	.00057	.00204	.00013	.00099	.00071	.00004	.00039
%RSD	1.3356	17.905	1.8676	10.260	2.7100	.15999	1.8836
#1	.04295	.01286	.00724	.00895	.02653	.02458	.02119
#2	.04214	.00997	.00705	.01035	.02554	.02463	.02063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20356	.11927	.10034	.02362	.02140	.2062
SDev	.00032	.00465	.00146	.00065	.00004	.0262
%RSD	.15551	3.9018	1.4578	2.7400	.20012	12.72
#1	.20334	.12256	.09930	.02408	.02137	.2248
#2	.20379	.11598	.10137	.02316	.02143	.1877
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: ICSA Operator: SW
Run Time: 08/23/06 14:30:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03907	-.01812	-.00171	.00526	.00043	508.58	.00207
SDev	.00430	.00331	.00113	.00273	.00086	3.44	.00043
%RSD	11.004	18.257	65.769	51.998	201.41	.67674	20.897
#1	.03603	-.01578	-.00251	.00332	-.00018	511.02	.00238
#2	.04211	-.02046	-.00092	.00719	.00103	506.15	.00177
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00079	514.02	-.00107	.00290	.00238	-.00523	201.22
SDev	.00001	2.44	.00023	.00085	.00135	.00125	.14
%RSD	1.6243	.47427	21.608	29.212	56.539	23.812	.07090
#1	.00079	512.29	-.00124	.00230	.00143	-.00611	201.32
#2	.00078	515.74	-.00091	.00350	.00333	-.00435	201.12
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01425	523.30	.00785	.18126	.00467	.00743	.00500
SDev	.03681	1.63	.00001	.01714	.00072	.00318	.00077
%RSD	258.30	.31224	.16438	9.4566	15.298	42.746	15.414
#1	-.01178	522.15	.00786	.19338	.00417	.00519	.00445
#2	.04028	524.46	.00784	.16914	.00518	.00968	.00554
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01158	-.00106	.00092	.00294	.00606	.00247	.00413
SDev	.00005	.00104	.00077	.00220	.00271	.00015	.00091
%RSD	.41169	98.464	83.901	74.847	44.754	6.0194	21.917
#1	.01155	-.00180	.00147	.00138	.00414	.00257	.00349
#2	.01161	-.00032	.00038	.00449	.00798	.00236	.00477
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000	.00000		.00000
Range	.04000	.02000	.00600	.01000	.02000		.04000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00245	.00491	.00192	.00163	.00595	.0217
SDev	.00012	.00049	.00216	.00101	.00001	.0339
%RSD	4.8991	10.032	112.87	61.800	.15589	156.4
#1	.00253	.00525	.00344	.00092	.00594	-.0023
#2	.00236	.00456	.00039	.00234	.00596	.0457
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.00000	.00000	.00000	.00000	.00000	
Range	.20000	.10000	.10000	.02000	.02000	

Method: 30EL Sample Name: ICSAB Operator: SW
Run Time: 08/23/06 14:32:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07828	.02723	.05589	.05222	.19806	502.85	.47700
SDev	.00559	.00477	.01324	.00730	.00111	13.85	.01480
%RSD	7.1373	17.498	23.698	13.977	.55875	2.7549	3.1025
#1	.07433	.03060	.06526	.04706	.19727	493.05	.46654
#2	.08223	.02386	.04653	.05738	.19884	512.65	.48747
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.46784	509.39	.89900	.45025	.44438	.49100	199.69
SDev	.00460	.24	.00688	.00371	.00269	.01618	2.09
%RSD	.98257	.04621	.76567	.82520	.60646	3.2959	1.0442
#1	.46459	509.55	.89413	.44762	.44247	.47956	198.22
#2	.47109	509.22	.90387	.45287	.44628	.50245	201.17
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.11874	517.48	.44646	.11471	.87428	.59014	.46218
SDev	.12016	2.07	.00607	.00110	.00751	.02169	.00567
%RSD	101.20	.40014	1.3590	.96069	.85914	3.6752	1.2266
#1	-.03377	516.01	.44217	.11548	.86897	.57480	.45818
#2	-.20370	518.94	.45075	.11393	.87960	.60548	.46619
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.88897	.09310	.04423	.05344	.09773	1.0640	.93954
SDev	.00137	.00649	.00132	.00046	.00340	.0240	.01861
%RSD	.15460	6.9716	2.9795	.85627	3.4787	2.2535	1.9806
#1	.88995	.08851	.04516	.05312	.10013	1.0810	.92638
#2	.88800	.09769	.04330	.05377	.09532	1.0471	.95270
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000		1.0000
Range	20.000	20.000	20.000	20.000	20.000		20.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95778	.94847	.95879	.97595	.95807	9.367
SDev	.02252	.01652	.00867	.01717	.02607	.212
%RSD	2.3507	1.7419	.90443	1.7596	2.7215	2.265
#1	.94186	.93679	.95266	.96381	.93964	9.217
#2	.97370	.96015	.96492	.98810	.97651	9.517
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	1.0000	1.0000	1.0000	10.00
Range	20.000	20.000	20.000	20.000	20.000	20.00

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 08/23/06 14:34:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48682	.48174	.49423	.48765	.49952	52.206	.49616
SDev	.00276	.00744	.01264	.00861	.00548	.425	.00854
%RSD	.56581	1.5452	2.5575	1.7660	1.0962	.81469	1.7212
#1	.48877	.47648	.50316	.48156	.49565	52.507	.49012
#2	.48487	.48701	.48529	.49374	.50339	51.905	.50220
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49342	51.948	.49313	.48907	.48803	.49855	20.758
SDev	.00625	.212	.00521	.00607	.00483	.00527	.046
%RSD	1.2668	.40810	1.0556	1.2407	.99007	1.0578	.22055
#1	.48900	52.098	.48945	.48478	.48461	.49482	20.791
#2	.49784	51.799	.49681	.49336	.49144	.50228	20.726
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.032	52.328	.47944	20.592	.48774	.51686	.48456
SDev	.114	.304	.00549	.079	.00428	.00350	.00755
%RSD	.57014	.58115	1.1442	.38386	.87805	.67763	1.5588
#1	19.951	52.543	.47556	20.536	.48471	.51438	.47922
#2	20.113	52.113	.48332	20.648	.49077	.51934	.48990
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.48704	.49894	.48343	.48984	.48346	.48679	.49461
SDev	.00371	.00529	.00405	.00153	.00424	.00337	.00599
%RSD	.76110	1.0606	.83734	.31338	.87641	.69322	1.2118
#1	.48442	.49520	.48057	.48875	.48645	.48440	.49037
#2	.48967	.50268	.48630	.49092	.48046	.48917	.49885
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97735	2.1709	.48986	.50683	.49132	10.16
SDev	.01111	.0111	.00258	.00558	.00744	.19
%RSD	1.1369	.50926	.52565	1.0999	1.5147	1.870
#1	.96949	2.1631	.48804	.50288	.48605	10.02
#2	.98520	2.1788	.49168	.51077	.49658	10.29
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	2.2500	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Analysis Report Blank Sample 08/23/06 02:38:53 PM page 1

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 08/23/06 14:37:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00021	-.00049	-.00082	.00016	.00047	.09425	.00008
SDev	.00541	.00213	.00887	.00334	.00056	.01151	.00002
%RSD	2537.2	435.20	1081.1	2154.8	119.90	12.214	25.001
#1	-.00361	.00102	-.00709	.00252	.00007	.10239	.00009
#2	.00404	-.00200	.00545	-.00221	.00087	.08611	.00006
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00034	.09800	.00041	-.00000	.00180	.00120	.04209
SDev	.00011	.01263	.00004	.00004	.00039	.00092	.01189
%RSD	33.177	12.883	9.7199	861.70	21.851	76.664	28.242
#1	.00042	.10693	.00038	.00002	.00153	.00055	.03369
#2	.00026	.08908	.00044	-.00003	.00208	.00185	.05050
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.14438	.09778	.00069	.09164	H.03162	-.00089	.00033
SDev	.04048	.01434	.00008	.00226	.00039	.00244	.00026
%RSD	28.034	14.662	11.262	2.4626	1.2363	274.05	76.672
#1	.11576	.10791	.00074	.09324	H.03190	-.00262	.00015
#2	.17301	.08764	.00063	.09004	H.03135	.00084	.00052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00067	-.00042	-.00026	-.00017	.00270	.00186	.00095
SDev	.00005	.00068	.00038	.00072	.00126	.00010	.00069
%RSD	7.1072	163.62	149.24	426.14	46.833	5.4615	73.058
#1	-.00070	-.00090	-.00052	-.00068	.00180	.00194	.00046
#2	-.00064	.00007	.00001	.00034	.00359	.00179	.00144
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00265	.00968	.00140	.00277	.00048	.0146
SDev	.00060	.00094	.00266	.00063	.00005	.0084
%RSD	22.642	9.7105	189.80	22.663	10.017	57.33
#1	.00222	.01035	-.00048	.00232	.00052	.0087
#2	.00307	.00902	.00328	.00321	.00045	.0205
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.10000	.05000	.05000	.01000		
Low	-.10000	-.05000	-.05000	-.01000		

Miscellaneous

METALS DIGESTION WORKSHEET

Paragon Analytics

Digestion Date 8/21/06 HCl Lot No. 4105040 Method: 3050 Beaker Lot No. 5342266 Initial Prep PM Final Prep PM

Digestion Batch P060821-2 HNO_3 Lot No. 1105100 SOP/Rev: 806 REV 12 Avg. Beaker Wt. (g) 13.51 Prep Start Time 1230 Prep End Time 1950

Water Bath Temp 95 °C Peroxide Lot No. 055835 Balance(s): #30 Pipet(s): M-51 Digestate Wt. (g) 105.11

Reviewed by / date RCM 8/22/06 316257

Form 805r17.xls (12/15/05)

QC Grp	Lab Sample ID	Instrument	Init Vol/Wt (mL/g)	Final Vol (mL)	Final Wt (g)	pH	Texture	Before color	Before clarity	After color	After clarity	Comments, including metals list	LIMS QCA
1	0608081-1	TA	1.5	100	213.3	N/A	medium	brown	N/A	Yellow	clear	TAL	1
	-2				213.9								
	-3				213.3								
	-4				213.1								
	-5				213.5								

8/21/06 PM

ICP/MS	Lab Sample ID	Instrument	Init Vol/Wt (mL/g)	Final Vol (mL)	Final Wt (g)
LCS	P060821-2LCS	TA	1.5	100	123.1
LCS 2					
ICP/MS					
LCS					
LCS 2					
PB4	P060821-2MB	TA	1.5	100	123.1
#1 D	0608081-1D MS				
S	-1MS MSD				
DS	-1MSD				

Lab Sample ID	Init Vol/Wt (mL/g)	Final Vol. (mL)	Final Wt. (g)
#2 D			
S			
DS			
#3 D			
S			
DS			
#4 D			
S			
DS			

8/21/06 PM

SPIKING INFORMATION

QC	Amount
ST060810-5(C)	0.5mL
ST060706-3(2)	2.0mL
ST060816-8(Cation)	2.0mL