Paragon Analytics

TOTAL METALS CASE NARRATIVE

Kent & Sullivan Inc.

Ross Adams

Order Number - 0405097

1. This report consists of 30 soil samples. The samples were reported as dry weight but were received dry. No percent moisture will be displayed on forms.
2. The samples were received intact on 5/11/04. The temperature of the samples upon receipt ranged from 9° to 15° Celsius.
3. The samples were prepared for analysis based on SW-846, 3rd Edition procedures.

   For analysis by Trace ICP and ICP-MS, the samples were digested following method 3050B and PA SOP 806 Rev. 10.

   For analysis by Cold Vapor AA (CVAA), the samples were digested following method 7471A and PA SOP 812 Rev. 10.
4. The samples were analyzed following SW-846, 3rd Edition procedures.

   Analysis by Trace ICP followed method 6010B and PA SOP 834 Rev. 3.

   The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution. The equation which relates intensity to concentration is:

$$I = A_0 + (A_1 * c^n) + (A_2 * c^{2n})$$

where: I = intensity

c = concentration

A_0 = offset coefficient

A_1 = gain coefficient

A_2 = curvature coefficient

n = exponent coefficient

During sample analysis concentrations are computed by the software and the results are printed in mg/L. The instrument software does not provide a printout which gives both intensity and concentration. The validity of the

calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations at two times those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

Analysis by ICP-MS followed method 6020A and PA SOP 827 Rev. 2.

The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution. A linear regression is performed by the instrument software to develop the calibration equation.

During sample analysis concentrations are computed by the software and the results are printed in ug/L. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations near the middle of the analytical range but different than those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

Analysis by CVAA followed method 7471A and PA SOP 812 Rev. 10.

The relationship between intensity and concentration is determined daily, prior to sample analysis. At least five standards and a blank solution are analyzed to establish the calibration curve. The instrument software performs a linear regression to fit the calibration data to a curve of the form:

$$\text{conc.} = B * I + C$$

where: conc. = concentration

B = slope coefficient

I = intensity

C = intercept coefficient

A printout summarizing the calibration data supplies the calibration curve and correlation coefficient. During sample analysis both intensity and concentration values are printed. Dilutions are made for concentrations above the highest calibration standard. No results are taken from extrapolations above the highest standard.

5. All standards and solutions are NIST traceable and were used within their recommended shelf life.

6. The samples were prepared and analyzed within the established hold times, with the exception of the mercury samples.

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

7. General quality control procedures.

   - A preparation (method) blank and laboratory control sample were digested and analyzed with the samples in each digestion batch. There were not more than 20 samples in each digestion batch.
   - The preparation (method) blank associated with each digestion batch was below the practical quantitation limit for each requested analyte.
   - The laboratory control sample associated with each digestion batch was within the acceptance limits. This indicates complete digestion according to the method.
   - All initial and continuing calibration blanks associated with each analytical batch were below the practical quantitation limits for the requested analytes.
   - All initial and continuing calibration verifications associated with each analytical batch were within the acceptance criteria for the requested analytes. This indicates a valid calibration and stable instrument conditions.
   - The high standard readbacks associated with Method 6010B and 6020A analyses were within acceptance criteria.
   - The interference check samples associated with Method 6010B analyses were within acceptance criteria.
   - The interference check samples associated with Method 6020A were analyzed.

8. Matrix specific quality control procedures.

   PA sample ID 0405097-9 was designated as the quality control sample for Trace ICP and ICP-MS samples 0405097-9 thru -18, -20, -22, -24 thru -27, -29, and -30. Since a sample from this Order Number was not selected as a quality control (QC) sample, matrix specific QC results for Trace ICP and ICP-MS samples 0405097-1 thru -8 and Trace ICP, ICP-MS, and mercury samples 0405097-19, -21, -23, and -28 are not included in this report.

- A matrix spike and matrix spike duplicate were digested and analyzed with each batch specified above. All acceptance criteria for accuracy were met, with the following exceptions:

Analyte	Sample ID
Iron	0405097-9MSD
Uranium	0405097-9MSD

  The native sample results are flagged for matrix spike failure and an analytical post spike was performed. Results of the spike were acceptable indicating that the matrix was not significantly affecting quantitation of these analytes.

- A sample duplicate and matrix spike duplicate were digested and analyzed with each batch specified above. All acceptance criteria for precision were met.

- A serial dilution was analyzed with each ICP batch specified above. All acceptance criteria were met, with the following exception:

Analyte	Sample ID
Uranium	0405097-9L

  The native sample result is flagged for serial dilution failure.

9. PA sample IDs 0405097-1, -17, -19, -21, and -28 required dilutions to bring manganese and/or iron into the analytical range of the Trace ICP. Accurate quantitation of manganese and iron is necessary to correct for spectral interferences on cadmium, lead, selenium, and/or thallium. The cadmium, lead, selenium, and thallium results were determined from the diluted samples. It is a standard PA practice that samples for ICP-MS are analyzed at a dilution.

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.

Megan Johnson — 7/20/04
Megan Johnson, Data Reporting Specialist — Date

SW — 7/20/04
Reviewer's Initials — Date

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0405097
Client Name: Kent & Sullivan Inc.
Client Project Name: Ross Adams
Client Project Number:
Client PO Number:

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
HR-01	0405097-1		SOLID	06-May-04	19:00
MR-01	0405097-2		SOLID	07-May-04	13:30
MR-02	0405097-3		SOLID	07-May-04	13:20
GR-01	0405097-4		SOLID	07-May-04	13:11
GR-02	0405097-5		SOLID	07-May-04	13:38
GR-03	0405097-6		SOLID	07-May-04	14:00
GR-04	0405097-7		SOLID	07-May-04	14:20
GR-05	0405097-8		SOLID	07-May-04	14:38
GR-06	0405097-9		SOLID	07-May-04	14:58
GR-07	0405097-10		SOLID	07-May-04	15:10
GR-08	0405097-11		SOLID	07-May-04	15:10
GR-09	0405097-12		SOLID	07-May-04	15:20
GR-10	0405097-13		SOLID	07-May-04	15:35
QM-01	0405097-14		SOLID	03-May-04	13:40
QM-02	0405097-15		SOLID	03-May-04	14:00
QM-03	0405097-16		SOLID	03-May-04	14:20
300-01	0405097-17		SOLID	04-May-04	9:50
300-02	0405097-18		SOLID	07-May-04	16:30
700-01	0405097-19		SOLID	07-May-04	17:00
700-02	0405097-20		SOLID	07-May-04	17:30
700-03	0405097-21		SOLID	07-May-04	17:20
700-04	0405097-22		SOLID	07-May-04	18:00
900-01	0405097-23		SOLID	07-May-04	13:00
900-02	0405097-24		SOLID	07-May-04	12:10
900-03	0405097-25		SOLID	07-May-04	12:30
900-04	0405097-26		SOLID	07-May-04	19:00
900-05	0405097-27		SOLID	07-May-04	18:40
OSA-01	0405097-28		SOLID	06-May-04	14:00
OSA-02	0405097-29		SOLID	06-May-04	19:00
OSA-03	0405097-30		SOLID	06-May-04	17:00

Chain of Custody

Paragon Analytics, Inc.

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

Chain-of-Custody

Accession Number (LAB ID) 0405097

Date _____ Page 5 of 9

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

Report To:
Phone:
Fax:
Company:
Address:

See pg 1

circle method or specify under comments

Sample ID	Date 2004	Time *	Lab ID	Matrix	No. of Containers	VOCs SW8260B E624 E524.2 OLMO__	BTEX (only) SW8021B	SVOCs SW8270C E625 E525 OLMO__	OC Pesticides SW8081A E608 E508 OLMO__	PCBs SW8082 E608 E508 OLMO__	OP Pesticides SW8141A E614	Herbicides SW8151A E615	TCLP Organics SW1311 8260B 8270C 8081A 8151A	TCLP Metals SW 1311 6010B 7471	Total Metals SW6010B 7470 7471 E200 ILMO__	Dissolved Metals SW6010B 7470 E200 ILMO__	Reactive CN / S SW846 Chapter 7	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions ** SW9056 E300.0	pH SW9040B 9045C	Oil & Grease SW9071A E413.2	TPH GRO DRO SW8015B (both)	TOX SW9020B	Gross Alpha / Beta SW9310 E900.0	Actinides by PAI SOP (circle): Pu / U / Am / Th / Cm	Uranium by KPA D5174-91 Isotopic	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 SW9315 E903.0 Radium 228 SW9320 E904.0	Strontium 89 D5811-95 Strontium 90 D5811-95	Gamma Isotopes ** E901.1	Th - isotopic
SOIL-01 (*)	5-6	1600		SOIL	3										C											X			X			X
SOIL-02	5-6	1540		SOIL	3										C											X			X			X
SOIL-04	5-6	1504		SOIL	3										C											X			X			X
SOIL-05	5-6	1510		SOIL	3										C											X			X			X
SOIL-07	5-7	1350		SOIL	3										C											X			X			X
SOIL-08	5-7	1615		SOIL	3										C											X			X			X
SOIL-09	5-7	1410		SOIL	3										C											X			X			X
SOIL-10	5-7	1640		SOIL	3										C											X			X			X
HR-01	5-6	1900	1	RK	1										C											X			X			X

Comments:

(*) on WO # 0405096
AW 5/12/04

000007

Relinquished By: (1)
Signature Gerald Warrick
Printed Name Gerald Warrick
Date 5-10-04 Time 10:00
Company Kent + Sullivan

Relinquished By: (2)
Signature _____
Printed Name _____
Date _____ Time _____
Company _____

Received By: (1)
Signature AWolf
Printed Name Amy Wolf
Date 5/11/04 Time 1645
Company Paragon Analytics

Received By: (2)
Signature _____
Printed Name _____
Date _____ Time _____
Company _____

Form 202r4.xls (1/3/01)

* Time Zone (circle one): EST CST MST PST

** Indicate specific analytes under comments.

Distribution: white / yellow (Paragon); pink retained by originator.

Paragon Analytics, Inc.

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

Chain-of-Custody

Accession Number (LAB ID) 0405097

Date _____ Page 6 of 9

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

Report To:
Phone:
Fax:
Company:
Address: see pg 1

circle method or specify under comments

Sample ID	Date 2004	Time *	Lab ID	Matrix	No. of Containers	VOCs SW8260B E624 E524.2 OLMO__	BTEX (only) SW8021B	SVOCs SW8270C E625 E525 OLMO__	OC Pesticides SW8081A E608 E508 OLMO__	PCBs SW8082 E608 E508 OLMO__	OP Pesticides SW8141A E614	Herbicides SW8151A E615	TCLP Organics SW1311 8260B 8270C 8081A 8151A	TCLP Metals SW 1311 6010B 7471	Total Metals SW6010B 7470 7471 E200 ILMO__	Dissolved Metals SW6010B 7470 E200 ILMO__	Reactive CN / S SW846 Chapter 7	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions ** SW9056 E300.0	pH SW9040B 9045C	Oil & Grease SW9071A E413.2	TPH GRO DRO SW8015B (both)	TOX SW9020B	Gross Alpha / Beta SW9310 E900.0	Actinides by PAI SOP (circle) Pu / U / Am / Th / Cm	Uranium by KPA D5174-91 Isotopic	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 SW9315 E903.0 Radium 228 SW9320 E904.0	Strontium 89 D5811-95 Strontium 90 D5811-95	Gamma Isotopes ** E901.1	Th isotopic
MR-01	5-7	1330	2	RK	3										(C)											X			X			X
MR-02	5-7	1320	3	RK	3										(C)											X			X			X
GR-01	5-7	1311	4	RK	1										(C)											X			X			X
GR-02	↓	1338	5	↓	1										(C)											↓			↓			↓
GR-03		1400	6		1										(C)																	
GR-04		1420	7		1										(C)																	
GR-05		1438	8		1										(C)																	
GR-06		1458	9		1										(C)																	
GR-07	↓	1510	10	↓	1										(C)																	

Comments:

800008

Form 202r4.xls (1/3/01)

Relinquished By: (1)
Signature Gerald Warrick
Printed Name Gerald Warrick
Date 5-10-04 Time 10:00
Company Kent & Sullivan

Relinquished By: (2)
Signature _____
Printed Name _____
Date _____ Time _____
Company _____

Received By: (1)
Signature [illegible]
Printed Name Amy Wolf
Date 5/11/04 Time 1045
Company Paragon Analytics

Received By: (2)
Signature _____
Printed Name _____
Date _____ Time _____
Company _____

* Time Zone (circle one): EST CST MST PST

** Indicate specific analytes under comments.

Distribution: white / yellow (Paragon); pink retained by originator.

Paragon Analytics, Inc.

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

Chain-of-Custody

Accession Number (LAB ID) 0405097

Date _____ Page 7 of 9

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

Report To:
Phone:
Fax:
Company:
Address: see pg 1

circle method or specify under comments

Sample ID	Date 2004	Time *	Lab ID	Matrix	No. of Containers	VOCs SW8260B E624 E524.2 OLMO__	BTEX (only) SW8021B	SVOCs SW8270C E625 E525 OLMO__	OC Pesticides SW8081A E608 E508 OLMO__	PCBs SW8082 E608 E508 OLMO__	OP Pesticides SW8141A E614	Herbicides SW8151A E615	TCLP Organics SW1311 8260B 8270C 8081A 8151A	TCLP Metals SW 1311 6010B 7471	Total Metals SW6010B 7470 7471 E200 ILMO__	Dissolved Metals SW6010B 7470 E200 ILMO__	Reactive CN / S SW846 Chapter 7	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions ** SW9056 E300.0	pH SW9040B 9045C	Oil & Grease SW9071A E413.2	TPH GRO DRO SW8015B (both)	TOX SW9020B	Gross Alpha / Beta SW9310 E900.0	Actinides by PAI SOP (circle): Pu / U / Am / Th / Cm	Total Uranium by KPA ~~D5174-04~~ Isotopic	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 SW9315 E903.0 Radium 228 SW9320 E904.0	Strontium 89 D5811-95 Strontium 90 D5811-95	Gamma Isotopes ** E901.1	Th-150 Isotopic
GR-08	5-7	1510	11	RK	1										C											X			X			X
GR-09	↓	1520	12	↓	1										C											X			X			X
GR-10	↓	1535	13	↓	1										C											X			X			X
QM-01	5-3	1340	14	RK	1										C											X			X			X
QM-02	↓	1400	15	↓	1										C											X			X			X
QM-03	↓	1420	16	↓	1										C											X			X			X
300-01	5-4	0950	17	RK	1										C											X			X			X
300-02	5-7	1630	18	RK	1										C											X			X			X

Comments:

600000

Form 202r4.xls (1/3/01)

Relinquished By: (1)
Signature Gerald Warrick
Printed Name Gerald Warrick
Date 5-10-04 Time 10:00
Company Kent & Sullivan

Relinquished By: (2)
Signature _____
Printed Name _____
Date _____ Time _____
Company _____

Received By: (1)
Signature _____
Printed Name Amy Wolf
Date 5/11/04 Time 1645
Company Paragon Analytics

Received By: (2)
Signature _____
Printed Name _____
Date _____ Time _____
Company _____

* Time Zone (circle one): EST CST MST PST

** Indicate specific analytes under comments.

Distribution: white / yellow (Paragon); pink retained by originator.

Paragon Analytics, Inc.

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

Chain-of-Custody

Accession Number (LAB ID) 0405097

Date _____ Page 8 of 9

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

Report To:
Phone:
Fax:
Company:
Address:

Per pl

circle method or specify under comments

Sample ID	Date 2004	Time *	Lab ID	Matrix	No. of Containers	VOCs SW8260B E624 E524.2 OLMO__	BTEX (only) SW8021B	SVOCs SW8270C E625 E525 OLMO__	OC Pesticides SW8081A E608 E508 OLMO__	PCBs SW8082 E608 E508 OLMO__	OP Pesticides SW8141A E614	Herbicides SW8151A E615	TCLP Organics SW1311 8260B 8270C 8081A 8151A	TCLP Metals SW 1311 6010B 7471	Total Metals SW6010B 7470 7471 E200 ILMO__	Dissolved Metals SW6010B 7470 E200 ILMO__	Reactive CN / S SW846 Chapter 7	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions ** SW9056 E300.0	pH SW9040B 9045C	Oil & Grease SW9071A E413.2	TPH GRO DRO SW8015B (both)	TOX SW9020B	Gross Alpha / Beta SW9310 E900.0	Actinides by PAI SOP (circle): Pu / U / Am / Th / Cm	Total Uranium by KPA D5174-91 /isotopic	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 SW9315 E903.0 Radium 228 SW9320 E904.0	Strontium 89 D5811-95 Strontium 90 D5811-95	Gamma Isotopes ** E901.1	Th - isotopic	Ac 227 / Pa 231 / Pb 210
700-01	5-7	1700	19	RK	3										X										X			X			X	X
700-02	5-7	1730	20	RK	1										(c)										X			X			X	
700-03	5-7	1720	21	RK	3										X										X			X			X	X
700-04	5-7	18:00	22	RK	1										(c)										X			X			X	
900-01	5-7	1300	23	RK	3										X										X			X			X	X
900-02		1210	24		1										(c)																	
900-03		1230	25		1										(c)																	
900-04		1900	26		1										(c)																	
900-05		1840	27		1										(c)																	

Comments:
(c) Hold analysis pending metal results from samples 700-01, 700-02, 900-01, 05A-01

010000

Form 202r4.xls (1/3/01)

Relinquished By: (1)	Relinquished By: (2)
Signature Gerald Warrick	Signature
Printed Name Gerald Warrick	Printed Name
Date 5-10-04 Time 10:00	Date Time
Company Kent & Sullivan	Company

Received By: (1)	Received By: (2)
Signature Amy Wolf	Signature
Printed Name Amy Wolf	Printed Name
Date 5/11/04 Time 1645	Date Time
Company Paragon Analytics	Company

* Time Zone (circle one): EST CST MST PST

** Indicate specific analytes under comments.

Distribution: white / yellow (Paragon); pink retained by originator.

Paragon Analytics, Inc.

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

Accession Number (LAB ID) 0405097

Chain-of-Custody

Date _____ Page 9 of ___

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

Report To:
Phone:
Fax:
Company:
Address:

per PJA

circle method or specify under comments

Sample ID	Date 2004	Time *	Lab ID	Matrix	No. of Containers	VOCs SW8260B E624 E524.2 OLMO__	BTEX (only) SW8021B	SVOCs SW8270C E625 E525 OLMO__	OC Pesticides SW8081A E608 E508 OLMO__	PCBs SW8082 E608 E508 OLMO__	OP Pesticides SW8141A E614	Herbicides SW8151A E615	TCLP Organics SW1311 8260B 8270C 8081A 8151A	TCLP Metals SW 1311 6010B 7471	Total Metals SW6010B 7470 7471 E200 ILMO__	Dissolved Metals SW6010B 7470 E200 ILMO__	Reactive CN / S SW846 Chapter 7	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions ** SW9056 E300.0	pH SW9040B 9045C	Oil & Grease SW9071A E413.2	TPH GRO DRO SW8015B (both)	TOX SW9020B	Gross Alpha / Beta SW9310 E900.0	Actinides by PAI SOP (circle): Pu / U / Am / Th / Cm	~~Total Uranium by KPA D5174-91~~ Iso Topic	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 SW9315 E903.0 Radium 228 SW9320 E904.0	Strontium 89 D5811-95 Strontium 90 D5811-95	Gamma Isotopes ** E901.1	Th- iso topic	Ac-227 / Pa 231 / Pb 210
05A-01	5-6	1400	28	RK	3										X											X			X			X	X
05A-02	5-6	1900	29	↓	3										(c)											X			X			X	
05A-03	5-6	1700	30	↓	3										(c)											X			X			X	

Comments:
(c) Hold analysis pending metal results from samples 05A-01, 700-01, 700-03, and 900-01.

000011

Form 202r4.xls (1/3/01)

Relinquished By: (1)
Signature Gerald Warrick
Printed Name Gerald Warrick
Date 5-10-04 Time 10:00
Company Kent + Sullivan

Relinquished By: (2)
Signature _____
Printed Name _____
Date _____ Time _____
Company _____

Received By: (1)
Signature Amy Wolf
Printed Name Amy Wolf
Date 5/11/04 Time 1645
Company Paragon Analytics

Received By: (2)
Signature _____
Printed Name _____
Date _____ Time _____
Company _____

* Time Zone (circle one): EST CST MST PST ** Indicate specific analytes under comments. Distribution: white / yellow (Paragon); pink retained by originator.

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: Kent + Sullivan WORKORDER NO: 0405097

PROJECT MANAGER: Debbie Fazio INITIALS: aw DATE: 5/12/04

1. Does this project require any special handling in addition to standard Paragon procedures?		Yes	No
IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)		Yes	No
2. Are custody seals on shipping containers intact? How many custody seals are provided? 2 each	N/A	Yes	No
3. Are the custody seals on sample containers intact?	N/A	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?		Yes	No
5. Is the COC complete? Relinquished: Yes ✓ No___ Analyses Requested: Yes ✓ No___	N/A	Yes	No
6. Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No___ Sample ID's: Yes ✓ No___ Matrix: Yes ✓ No___ No. of Containers: Yes ✓ No___	N/A	Yes	No
7. Were COC (if applicable) and sample labels legible?		Yes	No
8. Were airbills present and/or removable?	N/A	Yes	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)?	N/A	Yes	No
Are all aqueous **non-preserved** samples at the correct pH?		Yes	No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?		Yes	No
11. Are all samples within holding times for the requested analyses?		Yes	No
12. Were all sample containers received intact? (not broken or leaking, etc.)		Yes	No
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble: ___ < green pea; ___ > green pea** (List sample IDs and affected containers on Page 2)	N/A	Yes	No
14. Were samples checked for and free from the presence of residual chlorine?	N/A	Yes	No
15. Were the sample(s) shipped on ice?	N/A	Yes	No
16. Were cooler temperatures measured at 0.1 - 6 °C ? **IR Gun Used*: 1 2**	N/A	Yes	No
17. Were all samples cooled that should have been cooled?	N/A	Yes	No

Cooler #'s	924	898	897	749	868	22	
Temperature	10°	10°	9°	15°	12°	14°	°C

Project Manager Signature / Date: Debbie Fazio 5/12/04

A NO RESPONSE TO ANY QUESTION EXCEPT # 1 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

* IR Gun #1 (original): Raytek, SN SC-PM3/T29403
IR Gun #2 (newer): Oakton, SN 2SCIR1201

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: Kent + Sullivan WORKORDER NO: 0405097

PROJECT MANAGER: Debbie Fazio INITIALS: AW DATE: 5/12/04

- [ ] **Custody seals** broken (on outside of shipping container or on sample containers).
- [ ] No Chain-of-Custody (**COC**) present.
- [ ] **Number of samples** on the COC do not match the number of samples received.
- [ ] Aqueous samples **not preserved correctly** (see pH discussion below).
- [ ] SVOC samples contained **residual chlorine** (list sample IDs and affected containers below).
- [x] Samples received at **inappropriate temperature**.
- [ ] **Insufficient sample** to perform requested analyses.
- [ ] Extraction or analytical **holding times** expired in transit.
- [ ] **Broken/leaking bottles** and intact bottles received in same cooler (list affected sample IDs below).
- [ ] **No analyses requested.**
- [ ] **Incorrect sample type** received.
- [ ] VOAs, reactive CN/S, radon not **headspace** free (list sample IDs and affected vials below).
- [ ] **Airbills** not present and/or removable (record applicable shipper's tracking number below).
- [ ] Other (describe below).

Describe discrepancy:

All samples received between 9° - 15° C. Refer to page 1 for cooler temperatures and refer to DOT Survey pages for cooler contents. Insufficient ice packed with samples.

Was the client contacted? ___ No; ✓ Yes: Name Sue Kent Date/Time 5/12/04

Was the pH of any sample adjusted by the laboratory? ___ No; ___ Yes (see Table below):

NOTE: No pH adjustments shall be made without prior consent of Project Manager. After pH adjustment, hold metals and radchem samples ≥ 16 hr before analysis.

Sample ID	*Initial pH*	*Final pH (wait 30 min)*	*Type of Reagent Used*	*Lot No. of Reagent Used*	*Initials / Date / Time*

Was the laboratory directed to proceed with the analysis of any samples yielding the presence of residual chlorine? ___ No; ___ Yes (see notes above).

Project Manager Signature / Date: DF 5/12/04

000013

0405096
0405097

1-800-2ALASKA

027 KTN 5436-6152 Box No. 0001

Destination DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS 190

#924 2 seals 10°C

ARTIC 0-0410-3-1635

1-800-2ALASKA

027 KTN 5436-6152 Box No. 0015

Destination DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS 140

#898 2 Seals

ARTIC 0-0410-3-1635

1-800-2ALASKA

027 KTN 5436-6152 Box No. 0011

Destination DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS 320 9°C

#87 2 seals

ARTIC 0-0410-3-1635

1-800-2ALASKA

027 KTN 5436-6152 Box No. 0002

Destination DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS 300 15°C

#919 2 seals

ARTIC 0-0410-3-1635

0405096
0405097

1-800-2ALASKA

027 KTN 5436-6152 Box No. 0006

Destination

DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS

320

12.0

2 seals

ARTIC 0-0410-3-1635

1-800-2ALASKA

027 KTN 5436-6152 Box No. 0010

Destination

DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS

260

14.0

2 seals

ARTIC 0-0410-3-1635

SAMPLE LOGIN / DOT SURVEY

Client: Kent & Sullivan

Workorder No: 0405096 & 0405097

Project Manager: Debbie Fazio

Initials: AW

Date: 05/12/04

COOLER #: 924

External Micro R Meter Reading (μ R/hr): 190

Paragon Sample ID:	Client Sample ID:	Micro R Meter Reading (μ R/hr):
0405096-1-1	MSED-01	< background
0405096-1-2	MSED-01	< background
0405096-2-1	MSED-02	< background
0405096-2-2	MSED-02	< background
0405096-2-3	MSED-02	< background
0405096-3-1	MSED-03	< background
0405096-3-2	MSED-03	< background
0405096-3-3	MSED-03	< background
0405096-7-1	MSED-07	< background
0405096-7-2	MSED-07	< background
0405096-7-3	MSED-07	35
0405096-8-1	MSED-08	75
0405096-8-2	MSED-08	< background
0405096-8-3	MSED-08	30
0405096-9-1	MSED-09	< background
0405096-9-2	MSED-09	< background
0405096-9-3	MSED-09	150
0405096-10-1	MSED-10	> background
0405096-10-2	MSED-10	30
0405096-10-3	MSED-10	40
0405096-16-1	SSED-06	< background
0405096-16-2	SSED-06	< background
0405096-16-3	SSED-06	< background
0405097-2-1	MR-01	70
0405097-2-2	MR-01	60
0405097-2-3	MR-01	80
0405097-3-1	MR-02	85
0405097-3-2	MR-02	85
0405097-3-3	MR-02	85
0405097-17-1	300-01	800

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name:_____ Date/Time:_____

Project Manager Signature/ Date: _____

SAMPLE LOGIN / DOT SURVEY

Client: Kent & Sullivan

Workorder No: 0405096 & 0405097

Project Manager: Debbie Fazio

Initials: AW

Date: 05/12/04

COOLER #: 898

External Micro R Meter Reading (μ R/hr): 140

Paragon Sample ID:	Client Sample ID:	Micro R Meter Reading (μ R/hr):
0405096-4-1	MSED-04	< background
0405096-4-2	MSED-04	< background
0405096-4-3	MSED-04	< background
0405096-11-1	SSED-01	< background
0405096-11-2	SSED-01	< background
0405096-11-3	SSED-01	< background
0405096-26-1	SOIL-02	< background
0405096-26-2	SOIL-02	< background
0405096-26-3	SOIL-02	< background
0405096-27-1	SOIL-04	< background
0405096-27-2	SOIL-04	40
0405096-27-3	SOIL-04	< background
0405096-28-1	SOIL-05	30
0405096-28-2	SOIL-05	< background
0405096-28-3	SOIL-05	< background
0405097-4-1	GR-01	< background
0405097-6-1	GR-03	< background
0405097-13-1	GR-10	< background
0405097-14-1	QM-01	< background
0405097-16-1	QM-03	< background
0405097-18-1	300-02	45
0405097-19-1	700-01	1000
0405097-19-2	700-01	950
0405097-19-3	700-01	1100

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name:_____ Date/Time:_____

Project Manager Signature/ Date: _____

SAMPLE LOGIN / DOT SURVEY

Client: Kent & Sullivan

Workorder No: 0405096 & 0405097

Project Manager: Debbie Fazio

Initials: AW

Date: 05/12/04

COOLER #: 897

External Micro R Meter Reading (μ R/hr): 320

Paragon Sample ID:	Client Sample ID:	Micro R Meter Reading (μ R/hr):
0405096-5-1	MSED-05	< background
0405096-5-2	MSED-05	< background
0405096-5-3	MSED-05	< background
0405096-21-1	GEN-01	28
0405096-21-2	GEN-01	28
0405096-22-1	GEN-02	30
0405096-22-2	GEN-02	29
0405096-22-3	GEN-02	< background
0405096-22-4	GEN-02	< background
0405096-22-5	GEN-02	< background
0405096-23-1	GEN-03	< background
0405096-23-2	GEN-03	< background
0405096-24-1	GEN-04	< background
0405096-24-2	GEN-04	< background
0405097-9-1	GR-06	30
0405097-11-1	GR-08	< background
0405097-15-1	QM-02	< background
0405097-20-1	700-02	250
0405097-24-1	900-02	1500
0405097-25-1	900-03	300
0405097-27-1	900-05	100

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name:_____ Date/Time:_____

Project Manager Signature/ Date: _____

SAMPLE LOGIN / DOT SURVEY

Client: Kent & Sullivan

Workorder No: 0405096 & 0405097

Project Manager: Debbie Fazio

Initials: AW

Date: 05/12/04

COOLER #: 749

External Micro R Meter Reading (μ R/hr): 300

Paragon Sample ID:	Client Sample ID:	Micro R Meter Reading (μ R/hr):
0405096-6-1	MSED-06	40
0405096-12-1	SSED-02	40
0405096-12-2	SSED-02	< background
0405096-12-3	SSED-02	< background
0405096-18-1	SSED-08	< background
0405096-18-2	SSED-08	< background
0405096-18-3	SSED-08	30
0405096-19-1	SSED-09	< background
0405096-19-2	SSED-09	< background
0405096-19-3	SSED-09	< background
0405096-25-1	SOIL-01	< background
0405096-25-2	SOIL-01	< background
0405096-25-3	SOIL-01	< background
0405097-1-1	HR-01	140
0405097-5-1	GR-02	< background
0405097-7-1	GR-04	90
0405097-28-1	OSA-01	1200
0405097-28-2	OSA-01	1100
0405097-28-3	OSA-01	1200

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name:_____ Date/Time:_____

Project Manager Signature/ Date: _____

SAMPLE LOGIN / DOT SURVEY

Client: Kent & Sullivan

Workorder No: 0405096 & 0405097

Project Manager: Debbie Fazio

Initials: AW

Date: 05/12/04

COOLER #: 868

External Micro R Meter Reading (μ R/hr): 320

Paragon Sample ID:	Client Sample ID:	Micro R Meter Reading (μ R/hr):
0405096-13-1	SSED-03	< background
0405096-13-2	SSED-03	< background
0405096-13-3	SSED-03	< background
0405096-14-1	SSED-04	< background
0405096-14-2	SSED-04	< background
0405096-14-3	SSED-04	< background
0405096-15-1	SSED-05	< background
0405096-15-2	SSED-05	< background
0405096-15-3	SSED-05	< background
0405096-17-1	SSED-07	< background
0405096-17-2	SSED-07	< background
0405096-17-3	SSED-07	< background
0405096-20-1	SSED-10	< background
0405096-20-2	SSED-10	< background
0405096-20-3	SSED-10	< background
0405097-8-1	GR-05	< background
0405097-10-1	GR-07	< background
0405097-12-1	GR-09	< background
0405097-21-1	700-03	800
0405097-21-2	700-03	950
0405097-21-3	700-03	850
0405097-26-1	900-04	95
0405097-29-1	OSA-02	180
0405097-29-2	OSA-02	150
0405097-29-3	OSA-02	160
0405097-30-1	OSA-03	200
0405097-30-2	OSA-03	250
0405097-30-3	OSA-03	150

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name:_____ Date/Time:_____

Project Manager Signature/ Date: _____

SAMPLE LOGIN / DOT SURVEY

Client: Kent & Sullivan

Workorder No: 0405096 & 0405097

Project Manager: Debbie Fazio

Initials: AW

Date: 05/12/04

COOLER #: 22

External Micro R Meter Reading (μ R/hr): 260

Paragon Sample ID:	Client Sample ID:	Micro R Meter Reading (μ R/hr):
0405096-29-1	SOIL-07	< background
0405096-29-2	SOIL-07	< background
0405096-29-3	SOIL-07	< background
0405096-30-1	SOIL-08	45
0405096-30-2	SOIL-08	40
0405096-30-3	SOIL-08	40
0405096-31-1	SOIL-09	< background
0405096-31-2	SOIL-09	< background
0405096-31-3	SOIL-09	< background
0405096-32-1	SOIL-10	55
0405096-32-2	SOIL-10	50
0405096-32-3	SOIL-10	65
0405097-22-1	700-04	450
0405097-23-1	900-01	110
0405097-23-2	900-01	110
0405097-23-3	900-01	140

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name:_____ Date/Time:_____

Project Manager Signature/ Date: _____

Delivered-To: dfazio@mail-dnvr.uswest.net
Date: Mon, 28 Jun 2004 11:05:41 -0800
From: "Sue Kent" <sckent@ksienviro.com>
To: "Debbie Fazio" <dfazio@paragonlabs.com>
Subject: Ten metals - Ross Adams work order
X-MS-Has-Attach:
X-MS-TNEF-Correlator:
Thread-Topic: Ten metals - Ross Adams work order
Thread-Index: AcRdQuhcQrZxD7KCSvul6j0Ece8qGQ==

Hi Debbie -

Please analyze all of the solid samples that have "ten metals" marked on the chain-of-custody for the following list of metals:

Aluminum
Arsenic
Iron
Lead
Manganese
Uranium

Thank you.
Sue Kent
Kent & Sullivan, Inc.

Inorganic Qualifiers

Inorganic Data Reporting Qualifiers

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

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

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

  E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

  M - Duplicate injection precision was not met.

  N - Spiked sample recovery not within control limits. A post spike is analyzed for all 6010B and 6020A analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

  Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

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

Sample Results

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: HR-01
Lab ID: 0405097-1

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 06-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	4000	20		
7440-38-2	ARSENIC	1	2	1		
7439-89-6	IRON	1	16000	10		
7439-92-1	LEAD	2	300	0.6		
7439-96-5	MANGANESE	2	1000	2		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: MR-01
Lab ID: 0405097-2

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	2000	20		
7440-38-2	ARSENIC	1	3	1		
7439-89-6	IRON	1	13000	10		
7439-92-1	LEAD	1	78	0.3		
7439-96-5	MANGANESE	1	450	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: MR-02
Lab ID: 0405097-3

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	2200	20		
7440-38-2	ARSENIC	1	5.5	1		
7439-89-6	IRON	1	13000	10		
7439-92-1	LEAD	1	82	0.3		
7439-96-5	MANGANESE	1	480	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-01
Lab ID: 0405097-4

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	830	20		
7440-38-2	ARSENIC	1	1	1	U	
7439-89-6	IRON	1	8900	10		
7439-92-1	LEAD	1	22	0.3		
7439-96-5	MANGANESE	1	34	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-02
Lab ID: 0405097-5

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	540	20		
7440-38-2	ARSENIC	1	2.1	1		
7439-89-6	IRON	1	1800	10		
7439-92-1	LEAD	1	14	0.3		
7439-96-5	MANGANESE	1	80	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-03
Lab ID: 0405097-6

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	440	20		
7440-38-2	ARSENIC	1	1.1	1		
7439-89-6	IRON	1	940	10		
7439-92-1	LEAD	1	9.8	0.3		
7439-96-5	MANGANESE	1	21	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-04
Lab ID: 0405097-7

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	510	20		
7440-38-2	ARSENIC	1	1	1	U	
7439-89-6	IRON	1	490	10		
7439-92-1	LEAD	1	3.2	0.3		
7439-96-5	MANGANESE	1	53	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-05
Lab ID: 0405097-8

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	310	20		
7440-38-2	ARSENIC	1	1	1	U	
7439-89-6	IRON	1	660	10		
7439-92-1	LEAD	1	19	0.3		
7439-96-5	MANGANESE	1	75	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-06
Lab ID: 0405097-9

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	410	20		
7440-38-2	ARSENIC	1	1	1	U	
7439-89-6	IRON	1	850	10		N
7439-92-1	LEAD	1	8	0.3		
7439-96-5	MANGANESE	1	15	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-07
Lab ID: 0405097-10

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	250	20		
7440-38-2	ARSENIC	1	1	1	U	
7439-89-6	IRON	1	500	10		
7439-92-1	LEAD	1	3.2	0.3		
7439-96-5	MANGANESE	1	5.6	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-08
Lab ID: 0405097-11

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	300	20		
7440-38-2	ARSENIC	1	2.6	1		
7439-89-6	IRON	1	740	10		
7439-92-1	LEAD	1	11	0.3		
7439-96-5	MANGANESE	1	23	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-09
Lab ID: 0405097-12

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	550	20		
7440-38-2	ARSENIC	1	2.8	1		
7439-89-6	IRON	1	2400	10		
7439-92-1	LEAD	1	18	0.3		
7439-96-5	MANGANESE	1	24	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-10
Lab ID: 0405097-13

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	1200	20		
7440-38-2	ARSENIC	1	1.8	1		
7439-89-6	IRON	1	1500	10		
7439-92-1	LEAD	1	24	0.3		
7439-96-5	MANGANESE	1	220	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: QM-01
Lab ID: 0405097-14

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 03-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	2900	20		
7440-38-2	ARSENIC	1	1	1	U	
7439-89-6	IRON	1	7100	10		
7439-92-1	LEAD	1	0.94	0.3		
7439-96-5	MANGANESE	1	150	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: QM-02
Lab ID: 0405097-15

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 03-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	2800	20		
7440-38-2	ARSENIC	1	1	1	U	
7439-89-6	IRON	1	7800	10		
7439-92-1	LEAD	1	1.9	0.3		
7439-96-5	MANGANESE	1	140	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: QM-03
Lab ID: 0405097-16

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 03-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	3200	20		
7440-38-2	ARSENIC	1	1	1	U	
7439-89-6	IRON	1	7900	10		
7439-92-1	LEAD	1	1.3	0.3		
7439-96-5	MANGANESE	1	150	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: 300-01
Lab ID: 0405097-17

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 04-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	1200	20		
7440-38-2	ARSENIC	1	15	1		
7439-89-6	IRON	1	7600	10		
7439-92-1	LEAD	2	330	0.6		
7439-96-5	MANGANESE	2	1400	2		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: 300-02
Lab ID: 0405097-18

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	2600	20		
7440-38-2	ARSENIC	1	3.3	1		
7439-89-6	IRON	1	12000	10		
7439-92-1	LEAD	1	62	0.3		
7439-96-5	MANGANESE	1	660	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: 700-01
Lab ID: 0405097-19

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 11-Jun-04
Date Analyzed: 14-Jun-04
Prep Method: SW3050

Prep Batch: IP040611-4
QCBatchID: IP040611-4-2
Run ID: IT040614-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1.0548 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40614

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	2800	19		
7440-36-0	ANTIMONY	1	1.9	1.9	U	
7440-38-2	ARSENIC	1	61	0.95		
7440-39-3	BARIUM	1	150	9.5		
7440-41-7	BERYLLIUM	1	3.7	0.47		
7440-43-9	CADMIUM	1	0.47	0.47	U	
7440-70-2	CALCIUM	1	2700	95		
7440-47-3	CHROMIUM	1	13	0.95		
7440-48-4	COBALT	1	0.95	0.95	U	
7440-50-8	COPPER	1	38	0.95		
7439-89-6	IRON	1	18000	9.5		
7439-92-1	LEAD	2	410	0.57		
7439-95-4	MAGNESIUM	1	95	95	U	
7439-96-5	MANGANESE	2	1700	1.9		
7440-02-0	NICKEL	1	1.9	1.9	U	
7440-09-7	POTASSIUM	1	230	95		
7782-49-2	SELENIUM	1	0.47	0.47	U	
7440-22-4	SILVER	1	0.95	0.95	U	
7440-23-5	SODIUM	1	200	95		
7440-28-0	THALLIUM	2	1.9	1.9	U	
7440-62-2	VANADIUM	1	9.1	0.95		
7440-66-6	ZINC	1	280	1.9		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: 700-02
Lab ID: 0405097-20

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	2300	20		
7440-38-2	ARSENIC	1	8.9	1		
7439-89-6	IRON	1	14000	10		
7439-92-1	LEAD	1	190	0.3		
7439-96-5	MANGANESE	1	930	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: 700-03
Lab ID: 0405097-21

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 11-Jun-04
Date Analyzed: 14-Jun-04
Prep Method: SW3050

Prep Batch: IP040611-4
QCBatchID: IP040611-4-2
Run ID: IT040614-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1.3192 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40614

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	3200	15		
7440-36-0	ANTIMONY	1	1.5	1.5	U	
7440-38-2	ARSENIC	1	59	0.76		
7440-39-3	BARIUM	1	170	7.6		
7440-41-7	BERYLLIUM	1	3.5	0.38		
7440-43-9	CADMIUM	3	1.1	1.1	U	
7440-70-2	CALCIUM	1	3500	76		
7440-47-3	CHROMIUM	1	13	0.76		
7440-48-4	COBALT	1	0.78	0.76		
7440-50-8	COPPER	1	41	0.76		
7439-89-6	IRON	3	18000	23		
7439-92-1	LEAD	3	440	0.68		
7439-95-4	MAGNESIUM	1	76	76	U	
7439-96-5	MANGANESE	3	1600	2.3		
7440-02-0	NICKEL	1	1.5	1.5	U	
7440-09-7	POTASSIUM	1	300	76		
7782-49-2	SELENIUM	3	1.1	1.1	U	
7440-22-4	SILVER	1	0.81	0.76		
7440-23-5	SODIUM	1	260	76		
7440-28-0	THALLIUM	3	2.3	2.3	U	
7440-62-2	VANADIUM	1	9.5	0.76		
7440-66-6	ZINC	1	250	1.5		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: 700-04
Lab ID: 0405097-22

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	2500	20		
7440-38-2	ARSENIC	1	7.8	1		
7439-89-6	IRON	1	14000	10		
7439-92-1	LEAD	1	210	0.3		
7439-96-5	MANGANESE	1	940	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: 900-01
Lab ID: 0405097-23

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 11-Jun-04
Date Analyzed: 14-Jun-04
Prep Method: SW3050

Prep Batch: IP040611-4
QCBatchID: IP040611-4-2
Run ID: IT040614-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1.0045 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40614

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	2600	20		
7440-36-0	ANTIMONY	1	2	2	U	
7440-38-2	ARSENIC	1	24	1		
7440-39-3	BARIUM	1	15	10		
7440-41-7	BERYLLIUM	1	0.57	0.5		
7440-43-9	CADMIUM	1	0.5	0.5	U	
7440-70-2	CALCIUM	1	100	100	U	
7440-47-3	CHROMIUM	1	9.9	1		
7440-48-4	COBALT	1	1	1	U	
7440-50-8	COPPER	1	11	1		
7439-89-6	IRON	1	17000	10		
7439-92-1	LEAD	1	110	0.3		
7439-95-4	MAGNESIUM	1	100	100	U	
7439-96-5	MANGANESE	1	220	1		
7440-02-0	NICKEL	1	2	2	U	
7440-09-7	POTASSIUM	1	200	100		
7782-49-2	SELENIUM	1	0.5	0.5	U	
7440-22-4	SILVER	1	1.2	1		
7440-23-5	SODIUM	1	100	100	U	
7440-28-0	THALLIUM	1	1	1	U	
7440-62-2	VANADIUM	1	5.9	1		
7440-66-6	ZINC	1	38	2		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: 900-02
Lab ID: 0405097-24

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	3300	20		
7440-38-2	ARSENIC	1	15	1		
7439-89-6	IRON	1	16000	10		
7439-92-1	LEAD	1	470	0.3		
7439-96-5	MANGANESE	1	430	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: 900-03
Lab ID: 0405097-25

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	1800	20		
7440-38-2	ARSENIC	1	25	1		
7439-89-6	IRON	1	9100	10		
7439-92-1	LEAD	1	110	0.3		
7439-96-5	MANGANESE	1	400	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: 900-04
Lab ID: 0405097-26

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	1900	20		
7440-38-2	ARSENIC	1	3.4	1		
7439-89-6	IRON	1	11000	10		
7439-92-1	LEAD	1	62	0.3		
7439-96-5	MANGANESE	1	360	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: 900-05
Lab ID: 0405097-27

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	2100	20		
7440-38-2	ARSENIC	1	3.6	1		
7439-89-6	IRON	1	11000	10		
7439-92-1	LEAD	1	58	0.3		
7439-96-5	MANGANESE	1	350	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: OSA-01
Lab ID: 0405097-28

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 06-May-04
Date Extracted: 11-Jun-04
Date Analyzed: 14-Jun-04
Prep Method: SW3050

Prep Batch: IP040611-4
QCBatchID: IP040611-4-2
Run ID: IT040614-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1.1502 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40614

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	1500	17		
7440-36-0	ANTIMONY	1	1.7	1.7	U	
7440-38-2	ARSENIC	1	8.8	0.87		
7440-39-3	BARIUM	1	120	8.7		
7440-41-7	BERYLLIUM	1	3.9	0.43		
7440-43-9	CADMIUM	1	0.48	0.43		
7440-70-2	CALCIUM	1	2700	87		
7440-47-3	CHROMIUM	1	14	0.87		
7440-48-4	COBALT	1	0.87	0.87	U	
7440-50-8	COPPER	1	38	0.87		
7439-89-6	IRON	1	11000	8.7		
7439-92-1	LEAD	2	470	0.52		
7439-95-4	MAGNESIUM	1	87	87	U	
7439-96-5	MANGANESE	2	1400	1.7		
7440-02-0	NICKEL	1	1.7	1.7	U	
7440-09-7	POTASSIUM	1	160	87		
7782-49-2	SELENIUM	1	0.43	0.43	U	
7440-22-4	SILVER	1	0.87	0.87	U	
7440-23-5	SODIUM	1	380	87		
7440-28-0	THALLIUM	2	1.7	1.7	U	
7440-62-2	VANADIUM	1	7.5	0.87		
7440-66-6	ZINC	1	280	1.7		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: OSA-02
Lab ID: 0405097-29

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 06-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	5600	20		
7440-38-2	ARSENIC	1	9.9	1		
7439-89-6	IRON	1	18000	10		
7439-92-1	LEAD	1	240	0.3		
7439-96-5	MANGANESE	1	750	1		

Data Package ID: *IT0405097-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: OSA-03
Lab ID: 0405097-30

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 06-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	5600	20		
7440-38-2	ARSENIC	1	4.7	1		
7439-89-6	IRON	1	16000	10		
7439-92-1	LEAD	1	130	0.3		
7439-96-5	MANGANESE	1	670	1		

Data Package ID: *IT0405097-1*

Total URANIUM

Method SW6020

Sample Results

Lab Name: Paragon Analytics
Client Name: Kent & Sullivan Inc.
Client Project ID: Ross Adams
Work Order Number: 0405097
Reporting Basis: Dry Weight

Final Volume: 100 ml
Matrix: SOLID
Result Units: ug/kg

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
HR-01	0405097-1	05/06/2004	07/09/2004	07/14/2004	N/A	1000	590000	1000		1 g
MR-01	0405097-2	05/07/2004	07/09/2004	07/14/2004	N/A	5000	1100000	5000		1 g
MR-02	0405097-3	05/07/2004	07/09/2004	07/14/2004	N/A	2000	700000	2000		1 g
GR-01	0405097-4	05/07/2004	07/09/2004	07/14/2004	N/A	200	8900	200		1 g
GR-02	0405097-5	05/07/2004	07/09/2004	07/13/2004	N/A	100	7000	100		1 g
GR-03	0405097-6	05/07/2004	07/09/2004	07/13/2004	N/A	100	4200	100		1 g
GR-04	0405097-7	05/07/2004	07/09/2004	07/13/2004	N/A	100	19000	100		1 g
GR-05	0405097-8	05/07/2004	07/09/2004	07/13/2004	N/A	100	4600	100		1 g
GR-06	0405097-9	05/07/2004	07/09/2004	07/14/2004	N/A	10	3500	10	NE	1 g
GR-07	0405097-10	05/07/2004	07/09/2004	07/13/2004	N/A	100	1100	100		1 g
GR-08	0405097-11	05/07/2004	07/09/2004	07/13/2004	N/A	100	1400	100		1 g
GR-09	0405097-12	05/07/2004	07/09/2004	07/13/2004	N/A	100	4800	100		1 g
GR-10	0405097-13	05/07/2004	07/09/2004	07/14/2004	N/A	200	6100	200		1 g
QM-01	0405097-14	05/03/2004	07/09/2004	07/14/2004	N/A	10	420	10		1 g
QM-02	0405097-15	05/03/2004	07/09/2004	07/14/2004	N/A	10	610	10		1 g
QM-03	0405097-16	05/03/2004	07/09/2004	07/14/2004	N/A	10	420	10		1 g
300-01	0405097-17	05/04/2004	07/09/2004	07/14/2004	N/A	20000	8200000	20000		1 g
300-02	0405097-18	05/07/2004	07/09/2004	07/14/2004	N/A	500	120000	500		1 g

Comments:

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

Data Package ID: *IM0405097-1*

Total URANIUM

Method SW6020

Sample Results

Lab Name: Paragon Analytics
Client Name: Kent & Sullivan Inc.
Client Project ID: Ross Adams
Work Order Number: 0405097
Reporting Basis: Dry Weight

Final Volume: 100 ml
Matrix: SOLID
Result Units: ug/kg

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
700-01	0405097-19	05/07/2004	06/11/2004	06/22/2004	N/A	20000	1E+07	19000		1.0548 g
700-02	0405097-20	05/07/2004	07/09/2004	07/14/2004	N/A	5000	1400000	5000		1 g
700-03	0405097-21	05/07/2004	06/11/2004	06/22/2004	N/A	20000	1E+07	15000		1.3192 g
700-04	0405097-22	05/07/2004	07/09/2004	07/14/2004	N/A	5000	2200000	5000		1 g
900-01	0405097-23	05/07/2004	06/11/2004	06/22/2004	N/A	10000	1800000	10000		1.0045 g
900-02	0405097-24	05/07/2004	07/09/2004	07/14/2004	N/A	20000	1E+07	20000		1 g
900-03	0405097-25	05/07/2004	07/09/2004	07/14/2004	N/A	5000	1400000	5000		1 g
900-04	0405097-26	05/07/2004	07/09/2004	07/14/2004	N/A	1000	490000	1000		1 g
900-05	0405097-27	05/07/2004	07/09/2004	07/14/2004	N/A	1000	420000	1000		1 g
OSA-01	0405097-28	05/06/2004	06/11/2004	06/22/2004	N/A	10000	7800000	8700		1.1502 g
OSA-02	0405097-29	05/06/2004	07/09/2004	07/14/2004	N/A	5000	2200000	5000		1 g
OSA-03	0405097-30	05/06/2004	07/09/2004	07/14/2004	N/A	10000	2200000	10000		1 g

Comments:

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

Data Package ID: *IM0405097-1*

Total MERCURY

Method SW7471

Sample Results

Lab Name: Paragon Analytics
Client Name: Kent & Sullivan Inc.
Client Project ID: Ross Adams
Work Order Number: 0405097
Reporting Basis: As Received

Final Volume: 100 ml
Matrix: SOLID
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
700-01	0405097-19	05/07/2004	06/11/2004	06/14/2004	N/A	1	0.071	0.071	U	0.8501 g
700-03	0405097-21	05/07/2004	06/11/2004	06/14/2004	N/A	1	0.094	0.094	U	0.6364 g
900-01	0405097-23	05/07/2004	06/11/2004	06/14/2004	N/A	1	0.096	0.096	U	0.6272 g
OSA-01	0405097-28	05/06/2004	06/11/2004	06/14/2004	N/A	1	0.091	0.091	U	0.6574 g

Comments:

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

Data Package ID: *HG0405097-1*

Summary Report Forms

ICP Metals

Method SW6010

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040611-4MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/11/2004
Date Analyzed: 06/14/2004

Prep Batch: IP040611-4
QCBatchID: IP040611-4-2
Run ID: IT040614-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40614

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.02	0.02	U	
7440-36-0	ANTIMONY	1	0.002	0.002	U	
7440-38-2	ARSENIC	1	0.001	0.001	U	
7440-39-3	BARIUM	1	0.01	0.01	U	
7440-41-7	BERYLLIUM	1	0.0005	0.0005	U	
7440-43-9	CADMIUM	1	0.0005	0.0005	U	
7440-70-2	CALCIUM	1	0.1	0.1	U	
7440-47-3	CHROMIUM	1	0.001	0.001	U	
7440-48-4	COBALT	1	0.001	0.001	U	
7440-50-8	COPPER	1	0.001	0.001	U	
7439-89-6	IRON	1	0.01	0.01	U	
7439-92-1	LEAD	1	0.0003	0.0003	U	
7439-95-4	MAGNESIUM	1	0.1	0.1	U	
7439-96-5	MANGANESE	1	0.001	0.001	U	
7440-02-0	NICKEL	1	0.002	0.002	U	
7440-09-7	POTASSIUM	1	0.1	0.1	U	
7782-49-2	SELENIUM	1	0.0005	0.0005	U	
7440-22-4	SILVER	1	0.001	0.001	U	
7440-23-5	SODIUM	1	0.1	0.1	U	
7440-28-0	THALLIUM	1	0.001	0.001	U	
7440-62-2	VANADIUM	1	0.001	0.001	U	
7440-66-6	ZINC	1	0.002	0.002	U	

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040709-3MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/09/2004
Date Analyzed: 07/12/2004

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40712

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	20	20	U	
7440-38-2	ARSENIC	1	1	1	U	
7439-89-6	IRON	1	10	10	U	
7439-92-1	LEAD	1	0.3	0.3	U	
7439-96-5	MANGANESE	1	1	1	U	

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040709-4MB

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/09/2004
Date Analyzed: 07/13/2004

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	20	20	U	
7440-38-2	ARSENIC	1	1	1	U	
7439-89-6	IRON	1	10	10	U	
7439-92-1	LEAD	1	0.3	0.3	U	
7439-96-5	MANGANESE	1	1	1	U	

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040611-4LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/11/2004
Date Analyzed: 06/14/2004

Prep Batch: IP040611-4
QCBatchID: IP040611-4-2
Run ID: IT040614-1A1
Cleanup: NONE
Basis: N/A

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

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7429-90-5	ALUMINUM	0.24	0.244	0.02		102	80 - 120%
7440-36-0	ANTIMONY	0.052	0.0498	0.002		96	80 - 120%
7440-38-2	ARSENIC	0.204	0.199	0.001		98	80 - 120%
7440-39-3	BARIUM	0.2	0.186	0.01		93	80 - 120%
7440-41-7	BERYLLIUM	0.005	0.0049	0.0005		98	80 - 120%
7440-43-9	CADMIUM	0.015	0.014	0.0005		93	80 - 120%
7440-70-2	CALCIUM	4	3.71	0.1		93	80 - 120%
7440-47-3	CHROMIUM	0.02	0.0186	0.001		93	80 - 120%
7440-48-4	COBALT	0.05	0.0462	0.001		93	80 - 120%
7440-50-8	COPPER	0.025	0.0244	0.001		98	80 - 120%
7439-89-6	IRON	0.1	0.0874	0.01		87	80 - 120%
7439-92-1	LEAD	0.06	0.0576	0.0003		96	80 - 120%
7439-95-4	MAGNESIUM	4	3.73	0.1		93	80 - 120%
7439-96-5	MANGANESE	0.05	0.0473	0.001		95	80 - 120%
7440-02-0	NICKEL	0.05	0.046	0.002		92	80 - 120%
7440-09-7	POTASSIUM	4	3.49	0.1		87	80 - 120%
7782-49-2	SELENIUM	0.204	0.201	0.0005		98	80 - 120%
7440-22-4	SILVER	0.007	0.00679	0.001		97	80 - 120%
7440-23-5	SODIUM	4	3.43	0.1		86	80 - 120%
7440-28-0	THALLIUM	0.2	0.193	0.001		96	80 - 120%
7440-62-2	VANADIUM	0.05	0.0476	0.001		95	80 - 120%
7440-66-6	ZINC	0.05	0.0471	0.002		94	80 - 120%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040709-3LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/09/2004
Date Analyzed: 07/12/2004

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: N/A

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

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7429-90-5	ALUMINUM	540	527	20		98	80 - 120%
7440-38-2	ARSENIC	54	53.6	1		99	80 - 120%
7439-89-6	IRON	500	491	10		98	80 - 120%
7439-92-1	LEAD	60	61	0.3		102	80 - 120%
7439-96-5	MANGANESE	50	50.2	1		100	80 - 120%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040709-4LCS

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/09/2004
Date Analyzed: 07/13/2004

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: N/A

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

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7429-90-5	ALUMINUM	540	511	20		95	80 - 120%
7440-38-2	ARSENIC	54	53.5	1		99	80 - 120%
7439-89-6	IRON	500	489	10		98	80 - 120%
7439-92-1	LEAD	60	61	0.3		102	80 - 120%
7439-96-5	MANGANESE	50	50.4	1		101	80 - 120%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-06
LabID: 0405097-9MS

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7429-90-5	ALUMINUM	410		944		20	540	99	80 - 120%
7440-38-2	ARSENIC	1	U	54.7		1	54	101	80 - 120%
7439-89-6	IRON	850		1450		10	500	120	80 - 120%
7439-92-1	LEAD	8		69.5		0.3	60	103	80 - 120%
7439-96-5	MANGANESE	15		67.1		1	50	104	80 - 120%

MSD Lab ID: 0405097-9MSD

Sample Aliquot: 1 g
Final Volume: 100 ml

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
7429-90-5	ALUMINUM	540	974		20	104	3	20
7440-38-2	ARSENIC	54	55		1	102	1	20
7439-89-6	IRON	500	1500	N	10	130	3	20
7439-92-1	LEAD	60	70.2		0.3	104	1	20
7439-96-5	MANGANESE	50	67.5		1	105	1	20

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Analytical Spike Sample Recovery

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-06
LabID: 0405097-9A

Run ID: IT040713-1A1
Date Analyzed: 13-Jul-04
Result Units: mg/l

Target Analyte	Sample Result	Samp Qual	PS Result	PS Qual	Spike Added	PS % Rec.	Control Limits
IRON	8.48169		29.787469864		20	107	75 - 125%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Duplicate Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-06
Lab ID: 0405097-9D

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 05/07/2004
Date Extracted: 07/09/2004
Date Analyzed: 07/13/2004

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IT040713-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: ts40713

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7429-90-5	ALUMINUM	410		380		20	1	8	20
7440-38-2	ARSENIC	1	U	1	U	1	1		20
7439-89-6	IRON	850		792		10	1	7	20
7439-92-1	LEAD	8		7.47		0.3	1	6	20
7439-96-5	MANGANESE	15		14.1		1	1	8	20

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Serial Dilution

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-06
Lab ID: 0405097-9L

Run ID: IT040713-1A1
Date Analyzed: 13-Jul-04
Result Units: mg/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7429-90-5	ALUMINUM	4.10564		4.2231			3
7440-38-2	ARSENIC	0.010000000149	U	0.05	U		
7439-89-6	IRON	8.48169		8.136			4
7439-92-1	LEAD	0.07957		0.07655			4
7439-96-5	MANGANESE	0.15229		0.1542			1

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: ICV
QC Type: Initial Calibration

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
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	0.249	0.02		100	90 - 110%
7440-38-2	ARSENIC	0.25	0.247	0.01		99	90 - 110%
7440-39-3	BARIUM	0.25	0.243	0.1		97	90 - 110%
7440-41-7	BERYLLIUM	0.25	0.252	0.005		101	90 - 110%
7440-43-9	CADMIUM	0.25	0.244	0.005		98	90 - 110%
7440-70-2	CALCIUM	25.2	25	1		99	90 - 110%
7440-47-3	CHROMIUM	0.25	0.245	0.01		98	90 - 110%
7440-48-4	COBALT	0.25	0.242	0.01		97	90 - 110%
7440-50-8	COPPER	0.25	0.251	0.01		101	90 - 110%
7439-89-6	IRON	10.2	10.1	0.1		98	90 - 110%
7439-92-1	LEAD	0.25	0.249	0.003		99	90 - 110%
7439-95-4	MAGNESIUM	25.2	25.1	1		100	90 - 110%
7439-96-5	MANGANESE	0.25	0.247	0.01		99	90 - 110%
7440-02-0	NICKEL	0.25	0.239	0.02		96	90 - 110%
7440-09-7	POTASSIUM	10	9.71	1		97	90 - 110%
7782-49-2	SELENIUM	0.25	0.243	0.005		97	90 - 110%
7440-22-4	SILVER	0.25	0.24	0.01		96	90 - 110%
7440-23-5	SODIUM	10.2	9.69	1		95	90 - 110%
7440-28-0	THALLIUM	0.25	0.245	0.01		98	90 - 110%
7440-62-2	VANADIUM	0.25	0.256	0.01		103	90 - 110%
7440-66-6	ZINC	0.25	0.245	0.02		98	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV1
QC Type: Continuing Calibration

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	48.3	0.2		96	90 - 110%
7440-36-0	ANTIMONY	0.5	0.513	0.02		103	90 - 110%
7440-38-2	ARSENIC	0.5	0.498	0.01		100	90 - 110%
7440-39-3	BARIUM	0.5	0.491	0.1		98	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.506	0.005		101	90 - 110%
7440-43-9	CADMIUM	0.5	0.481	0.005		96	90 - 110%
7440-70-2	CALCIUM	50.5	50.5	1		100	90 - 110%
7440-47-3	CHROMIUM	0.5	0.493	0.01		99	90 - 110%
7440-48-4	COBALT	0.5	0.48	0.01		96	90 - 110%
7440-50-8	COPPER	0.5	0.511	0.01		102	90 - 110%
7439-89-6	IRON	20.5	20.5	0.1		100	90 - 110%
7439-92-1	LEAD	0.5	0.494	0.003		99	90 - 110%
7439-95-4	MAGNESIUM	50.5	50.6	1		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.494	0.01		99	90 - 110%
7440-02-0	NICKEL	0.5	0.474	0.02		95	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	0.498	0.01		100	90 - 110%
7440-23-5	SODIUM	20.5	19.8	1		97	90 - 110%
7440-28-0	THALLIUM	0.5	0.494	0.01		99	90 - 110%
7440-62-2	VANADIUM	0.5	0.509	0.01		102	90 - 110%
7440-66-6	ZINC	0.5	0.486	0.02		97	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV2
QC Type: Continuing Calibration

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	47.3	0.2		94	90 - 110%
7440-36-0	ANTIMONY	0.5	0.502	0.02		101	90 - 110%
7440-38-2	ARSENIC	0.5	0.489	0.01		98	90 - 110%
7440-39-3	BARIUM	0.5	0.473	0.1		95	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.494	0.005		99	90 - 110%
7440-43-9	CADMIUM	0.5	0.471	0.005		94	90 - 110%
7440-70-2	CALCIUM	50.5	49.6	1		98	90 - 110%
7440-47-3	CHROMIUM	0.5	0.482	0.01		97	90 - 110%
7440-48-4	COBALT	0.5	0.472	0.01		94	90 - 110%
7440-50-8	COPPER	0.5	0.496	0.01		99	90 - 110%
7439-89-6	IRON	20.5	20	0.1		98	90 - 110%
7439-92-1	LEAD	0.5	0.484	0.003		97	90 - 110%
7439-95-4	MAGNESIUM	50.5	49.7	1		99	90 - 110%
7439-96-5	MANGANESE	0.5	0.482	0.01		96	90 - 110%
7440-02-0	NICKEL	0.5	0.461	0.02		92	90 - 110%
7440-09-7	POTASSIUM	20	19.5	1		97	90 - 110%
7782-49-2	SELENIUM	0.5	0.482	0.005		96	90 - 110%
7440-22-4	SILVER	0.5	0.485	0.01		97	90 - 110%
7440-23-5	SODIUM	20.5	19.5	1		95	90 - 110%
7440-28-0	THALLIUM	0.5	0.492	0.01		98	90 - 110%
7440-62-2	VANADIUM	0.5	0.499	0.01		100	90 - 110%
7440-66-6	ZINC	0.5	0.478	0.02		96	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV3
QC Type: Continuing Calibration

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	47.3	0.2		94	90 - 110%
7440-36-0	ANTIMONY	0.5	0.504	0.02		101	90 - 110%
7440-38-2	ARSENIC	0.5	0.494	0.01		99	90 - 110%
7440-39-3	BARIUM	0.5	0.475	0.1		95	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.493	0.005		99	90 - 110%
7440-43-9	CADMIUM	0.5	0.47	0.005		94	90 - 110%
7440-70-2	CALCIUM	50.5	49.6	1		98	90 - 110%
7440-47-3	CHROMIUM	0.5	0.484	0.01		97	90 - 110%
7440-48-4	COBALT	0.5	0.472	0.01		94	90 - 110%
7440-50-8	COPPER	0.5	0.498	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20	0.1		98	90 - 110%
7439-92-1	LEAD	0.5	0.484	0.003		97	90 - 110%
7439-95-4	MAGNESIUM	50.5	49.7	1		98	90 - 110%
7439-96-5	MANGANESE	0.5	0.482	0.01		96	90 - 110%
7440-02-0	NICKEL	0.5	0.463	0.02		93	90 - 110%
7440-09-7	POTASSIUM	20	19.6	1		98	90 - 110%
7782-49-2	SELENIUM	0.5	0.482	0.005		96	90 - 110%
7440-22-4	SILVER	0.5	0.485	0.01		97	90 - 110%
7440-23-5	SODIUM	20.5	19.6	1		95	90 - 110%
7440-28-0	THALLIUM	0.5	0.496	0.01		99	90 - 110%
7440-62-2	VANADIUM	0.5	0.499	0.01		100	90 - 110%
7440-66-6	ZINC	0.5	0.479	0.02		96	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV4
QC Type: Continuing Calibration

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	47.4	0.2		94	90 - 110%
7440-36-0	ANTIMONY	0.5	0.502	0.02		101	90 - 110%
7440-38-2	ARSENIC	0.5	0.487	0.01		98	90 - 110%
7440-39-3	BARIUM	0.5	0.474	0.1		95	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.491	0.005		98	90 - 110%
7440-43-9	CADMIUM	0.5	0.467	0.005		93	90 - 110%
7440-70-2	CALCIUM	50.5	49.5	1		98	90 - 110%
7440-47-3	CHROMIUM	0.5	0.482	0.01		97	90 - 110%
7440-48-4	COBALT	0.5	0.47	0.01		94	90 - 110%
7440-50-8	COPPER	0.5	0.496	0.01		99	90 - 110%
7439-89-6	IRON	20.5	20	0.1		97	90 - 110%
7439-92-1	LEAD	0.5	0.483	0.003		97	90 - 110%
7439-95-4	MAGNESIUM	50.5	49.6	1		98	90 - 110%
7439-96-5	MANGANESE	0.5	0.48	0.01		96	90 - 110%
7440-02-0	NICKEL	0.5	0.459	0.02		92	90 - 110%
7440-09-7	POTASSIUM	20	19.6	1		98	90 - 110%
7782-49-2	SELENIUM	0.5	0.485	0.005		97	90 - 110%
7440-22-4	SILVER	0.5	0.483	0.01		97	90 - 110%
7440-23-5	SODIUM	20.5	19.6	1		95	90 - 110%
7440-28-0	THALLIUM	0.5	0.492	0.01		98	90 - 110%
7440-62-2	VANADIUM	0.5	0.498	0.01		100	90 - 110%
7440-66-6	ZINC	0.5	0.476	0.02		95	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV5
QC Type: Continuing Calibration

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	47.6	0.2		94	90 - 110%
7440-36-0	ANTIMONY	0.5	0.5	0.02		100	90 - 110%
7440-38-2	ARSENIC	0.5	0.495	0.01		99	90 - 110%
7440-39-3	BARIUM	0.5	0.475	0.1		95	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.494	0.005		99	90 - 110%
7440-43-9	CADMIUM	0.5	0.47	0.005		94	90 - 110%
7440-70-2	CALCIUM	50.5	50	1		99	90 - 110%
7440-47-3	CHROMIUM	0.5	0.486	0.01		97	90 - 110%
7440-48-4	COBALT	0.5	0.474	0.01		95	90 - 110%
7440-50-8	COPPER	0.5	0.498	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.1	0.1		98	90 - 110%
7439-92-1	LEAD	0.5	0.484	0.003		97	90 - 110%
7439-95-4	MAGNESIUM	50.5	50	1		99	90 - 110%
7439-96-5	MANGANESE	0.5	0.481	0.01		96	90 - 110%
7440-02-0	NICKEL	0.5	0.461	0.02		92	90 - 110%
7440-09-7	POTASSIUM	20	19.7	1		99	90 - 110%
7782-49-2	SELENIUM	0.5	0.485	0.005		97	90 - 110%
7440-22-4	SILVER	0.5	0.484	0.01		97	90 - 110%
7440-23-5	SODIUM	20.5	19.6	1		96	90 - 110%
7440-28-0	THALLIUM	0.5	0.493	0.01		99	90 - 110%
7440-62-2	VANADIUM	0.5	0.501	0.01		100	90 - 110%
7440-66-6	ZINC	0.5	0.481	0.02		96	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: ICV
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	25.2	24.9	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.25	0.253	0.01		101	90 - 110%
7439-89-6	IRON	10.2	10.2	0.1		99	90 - 110%
7439-92-1	LEAD	0.25	0.251	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.25	0.247	0.01		99	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV1
QC Type: Continuing Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	50.5	0.2		100	90 - 110%
7440-38-2	ARSENIC	0.5	0.502	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.8	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.498	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.493	0.01		99	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV2
QC Type: Continuing Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	49.8	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.503	0.01		101	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.495	0.003		99	90 - 110%
7439-96-5	MANGANESE	0.5	0.488	0.01		98	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV3
QC Type: Continuing Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	50	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.499	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.495	0.003		99	90 - 110%
7439-96-5	MANGANESE	0.5	0.488	0.01		98	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010
Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV4
QC Type: Continuing Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	49.8	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.502	0.01		101	90 - 110%
7439-89-6	IRON	20.5	20.6	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.492	0.003		98	90 - 110%
7439-96-5	MANGANESE	0.5	0.486	0.01		97	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV5
QC Type: Continuing Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
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%
7440-38-2	ARSENIC	0.5	0.498	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.497	0.003		99	90 - 110%
7439-96-5	MANGANESE	0.5	0.489	0.01		98	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV6
QC Type: Continuing Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	50.3	0.2		100	90 - 110%
7440-38-2	ARSENIC	0.5	0.506	0.01		101	90 - 110%
7439-89-6	IRON	20.5	21	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.499	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.492	0.01		99	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV7
QC Type: Continuing Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	49.8	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.504	0.01		101	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.498	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.489	0.01		98	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV8
QC Type: Continuing Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	50.2	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.507	0.01		101	90 - 110%
7439-89-6	IRON	20.5	20.8	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.5	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.49	0.01		98	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV9
QC Type: Continuing Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
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%
7440-38-2	ARSENIC	0.5	0.509	0.01		102	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.498	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.489	0.01		98	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV10
QC Type: Continuing Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
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%
7440-38-2	ARSENIC	0.5	0.499	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.497	0.003		99	90 - 110%
7439-96-5	MANGANESE	0.5	0.487	0.01		97	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: ICV
QC Type: Initial Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	25.2	24.5	0.2		97	90 - 110%
7440-38-2	ARSENIC	0.25	0.253	0.01		101	90 - 110%
7439-89-6	IRON	10.2	10.2	0.1		99	90 - 110%
7439-92-1	LEAD	0.25	0.249	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.25	0.246	0.01		99	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV1
QC Type: Continuing Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
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%
7440-38-2	ARSENIC	0.5	0.5	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.8	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.499	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.493	0.01		99	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV2
QC Type: Continuing Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
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%
7440-38-2	ARSENIC	0.5	0.507	0.01		101	90 - 110%
7439-89-6	IRON	20.5	20.9	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.505	0.003		101	90 - 110%
7439-96-5	MANGANESE	0.5	0.496	0.01		99	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV3
QC Type: Continuing Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
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%
7440-38-2	ARSENIC	0.5	0.506	0.01		101	90 - 110%
7439-89-6	IRON	20.5	21	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.506	0.003		101	90 - 110%
7439-96-5	MANGANESE	0.5	0.496	0.01		99	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV4
QC Type: Continuing Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
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%
7440-38-2	ARSENIC	0.5	0.5	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.9	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.504	0.003		101	90 - 110%
7439-96-5	MANGANESE	0.5	0.493	0.01		99	90 - 110%

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV5
QC Type: Continuing Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	50	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.509	0.01		102	90 - 110%
7439-89-6	IRON	20.5	21.1	0.1		103	90 - 110%
7439-92-1	LEAD	0.5	0.509	0.003		102	90 - 110%
7439-96-5	MANGANESE	0.5	0.497	0.01		100	90 - 110%

Data Package ID: *IT0405097-1*

LEAD

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 14-Jul-04
Run ID: IT040714-1A1
Result Units: mg/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	0.5	0.49	0.003	N/A	98	90 - 110
CCV2	Continuing Calibration	0.5	0.491	0.003	N/A	98	90 - 110
CCV3	Continuing Calibration	0.5	0.504	0.003	N/A	101	90 - 110
CCV4	Continuing Calibration	0.5	0.506	0.003	N/A	101	90 - 110
CCV5	Continuing Calibration	0.5	0.512	0.003	N/A	103	90 - 110
CCV6	Continuing Calibration	0.5	0.481	0.003	N/A	96	90 - 110
CCV7	Continuing Calibration	0.5	0.498	0.003	N/A	100	90 - 110
ICV	Initial Calibration	0.25	0.248	0.003	N/A	99	90 - 110

Data Package ID: *IT0405097-1*

MANGANESE

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 14-Jul-04
Run ID: IT040714-1A1
Result Units: mg/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	0.5	0.485	0.01	N/A	97	90 - 110
CCV2	Continuing Calibration	0.5	0.487	0.01	N/A	97	90 - 110
CCV3	Continuing Calibration	0.5	0.496	0.01	N/A	99	90 - 110
CCV4	Continuing Calibration	0.5	0.498	0.01	N/A	100	90 - 110
CCV5	Continuing Calibration	0.5	0.502	0.01	N/A	100	90 - 110
CCV6	Continuing Calibration	0.5	0.476	0.01	N/A	95	90 - 110
CCV7	Continuing Calibration	0.5	0.491	0.01	N/A	98	90 - 110
ICV	Initial Calibration	0.25	0.245	0.01	N/A	98	90 - 110

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: ICB
QC Type: Initial Calibration

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
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: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB1
QC Type: Initial Calibration

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
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: *IT0405097-1*

ICP Metals

Method SW6010
Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB2
QC Type: Initial Calibration

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
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: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB3
QC Type: Initial Calibration

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
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: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB4
QC Type: Initial Calibration

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
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: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB5
QC Type: Initial Calibration

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
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: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: ICB
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB1
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB2
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB3
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB4
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB5
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB6
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB7
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB8
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB9
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB10
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: ICB
QC Type: Initial Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB1
QC Type: Initial Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB2
QC Type: Initial Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB3
QC Type: Initial Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB4
QC Type: Initial Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB5
QC Type: Initial Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: *IT0405097-1*

LEAD

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 14-Jul-04
Run ID: IT040714-1A1
Result Units: mg/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	7/14/2004	0.003	0.003	U
CCB2	Continuing Calibration	7/14/2004	0.003	0.003	U
CCB3	Continuing Calibration	7/14/2004	0.003	0.003	U
CCB4	Continuing Calibration	7/14/2004	0.003	0.003	U
CCB5	Continuing Calibration	7/14/2004	0.003	0.003	U
CCB6	Continuing Calibration	7/14/2004	0.003	0.003	U
CCB7	Continuing Calibration	7/14/2004	0.003	0.003	U
ICB	Initial Calibration	7/14/2004	0.003	0.003	U

Data Package ID: *IT0405097-1*

MANGANESE

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 14-Jul-04
Run ID: IT040714-1A1
Result Units: mg/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB2	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB3	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB4	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB5	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB6	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB7	Continuing Calibration	7/14/2004	0.01	0.01	U
ICB	Initial Calibration	7/14/2004	0.01	0.01	U

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7429-90-5	ALUMINUM	500	500	475	467	94
7440-36-0	ANTIMONY		0.6		0.60500	101
7440-38-2	ARSENIC		0.1		0.0924	92
7440-39-3	BARIUM		0.5		0.471	94
7440-41-7	BERYLLIUM		0.5		0.463	93
7440-43-9	CADMIUM		1		0.84700	85
7440-70-2	CALCIUM	500	500	502	494	99
7440-47-3	CHROMIUM		0.5		0.44400	89
7440-48-4	COBALT		0.5		0.438	88
7440-50-8	COPPER		0.5		0.525	105
7439-89-6	IRON	200	200	202	200	100
7439-92-1	LEAD		0.05		0.0444	89
7439-95-4	MAGNESIUM	500	500	510	504	101
7439-96-5	MANGANESE		0.5		0.466	93
7440-02-0	NICKEL		1		0.84200	84
7440-09-7	POTASSIUM					
7782-49-2	SELENIUM		0.05		0.0508	102
7440-22-4	SILVER		0.2		0.205	102
7440-23-5	SODIUM					
7440-28-0	THALLIUM		0.1		0.0839	84
7440-62-2	VANADIUM		0.5		0.48	96
7440-66-6	ZINC		1		0.871	87

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IT040614-1A1
Date Analyzed: 06/14/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7429-90-5	ALUMINUM	500	500	468	462	92
7440-36-0	ANTIMONY		0.6		0.588	98
7440-38-2	ARSENIC		0.1		0.0959	96
7440-39-3	BARIUM		0.5		0.457	91
7440-41-7	BERYLLIUM		0.5		0.459	92
7440-43-9	CADMIUM		1		0.83600	84
7440-70-2	CALCIUM	500	500	500	495	99
7440-47-3	CHROMIUM		0.5		0.44400	89
7440-48-4	COBALT		0.5		0.436	87
7440-50-8	COPPER		0.5		0.516	103
7439-89-6	IRON	200	200	200	198	99
7439-92-1	LEAD		0.05		0.04120	83
7439-95-4	MAGNESIUM	500	500	510	504	101
7439-96-5	MANGANESE		0.5		0.45800	92
7440-02-0	NICKEL		1		0.829	83
7440-09-7	POTASSIUM					
7782-49-2	SELENIUM		0.05		0.0547	109
7440-22-4	SILVER		0.2		0.204	102
7440-23-5	SODIUM					
7440-28-0	THALLIUM		0.1		0.0919	92
7440-62-2	VANADIUM		0.5		0.475	95
7440-66-6	ZINC		1		0.872	87

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7429-90-5	ALUMINUM	500	500	482	485	97
7440-38-2	ARSENIC		0.1		0.09570	96
7439-89-6	IRON	200	200	202	200	100
7439-92-1	LEAD		0.05		0.04960	99
7439-96-5	MANGANESE		0.5		0.46500	93

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7429-90-5	ALUMINUM	500	500	484	481	96
7440-38-2	ARSENIC		0.1		0.0993	99
7439-89-6	IRON	200	200	204	203	101
7439-92-1	LEAD		0.05		0.04740	95
7439-96-5	MANGANESE		0.5		0.468	94

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA3	ICSAB3	ICSA3	ICSAB3	
7429-90-5	ALUMINUM	500	500	480	484	97
7440-38-2	ARSENIC		0.1		0.0945	95
7439-89-6	IRON	200	200	200	202	101
7439-92-1	LEAD		0.05		0.04600	92
7439-96-5	MANGANESE		0.5		0.46500	93

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7429-90-5	ALUMINUM	500	500	489	497	99
7440-38-2	ARSENIC		0.1		0.0999	100
7439-89-6	IRON	200	200	206	207	104
7439-92-1	LEAD		0.05		0.0492	98
7439-96-5	MANGANESE		0.5		0.47400	95

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7429-90-5	ALUMINUM	500	500	493	497	99
7440-38-2	ARSENIC		0.1		0.106	107
7439-89-6	IRON	200	200	208	209	105
7439-92-1	LEAD		0.05		0.0481	96
7439-96-5	MANGANESE		0.5		0.477	95

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IT040714-1A1
Date Analyzed: 07/14/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7439-92-1	LEAD		0.05		0.04670	93
7439-96-5	MANGANESE		0.5		0.466	93

Data Package ID: *IT0405097-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IT040714-1A1
Date Analyzed: 07/14/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7439-92-1	LEAD		0.05		0.0451	90
7439-96-5	MANGANESE		0.5		0.473	95

Data Package ID: *IT0405097-1*

ICP Interelement Correction Factors

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Instrument ID: ICPTrace
Active Date: 4/10/2004
Expiration Date: 4/10/2005

Analyte	Lamda (nm)	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni
ALUMINUM										-0.0058						-0.0013
ANTIMONY									0.00886							
ARSENIC									-0.00387							
BARIUM																
BERYLLIUM																
CADMIUM												0.00009				
CALCIUM																
CHROMIUM																
COBALT					-0.00035											
COPPER																
IRON										0.0723						
LEAD		0.000414						-0.000013		-0.002		0.000093		0.000017	0.000182	0.000243
MAGNESIUM																
MANGANESE																
NICKEL										-0.0013						
POTASSIUM																
SELENIUM		-0.000005										0.000035				
SILVER																
SODIUM																
THALLIUM										0.00124		-0.00022			-0.000563	
VANADIUM																
ZINC																

ICP Interelement Correction Factors

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Instrument ID: ICPTrace
Active Date: 4/10/2004
Expiration Date: 4/10/2005

Analyte	Lamda (nm)	K	Se	Ag	Na	Tl	V	Zn	Sn	Ti	Mo	Li	Sr	B	Si	U
ALUMINUM							0.0211									
ANTIMONY																
ARSENIC																
BARIUM																
BERYLLIUM							0.00053									
CADMIUM																
CALCIUM																
CHROMIUM																
COBALT																
COPPER																
IRON							0.015									
LEAD																
MAGNESIUM																
MANGANESE																
NICKEL																
POTASSIUM																
SELENIUM																
SILVER																
SODIUM																
THALLIUM																
VANADIUM																
ZINC																

Metals Linear Ranges

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Instrument ID: ICPTrace
Active Date: 04/16/2004
Expiration Date: 07/15/2004

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 -- 6/14/2004

Instrument ID: ICPTrace
File Name: TS40614
AnalRunID: IT040614-1A1
CalibRefID: IT040614-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		MIXBHIGH	MIXBH	1	6/14/2004	10:21	
		MIXAHIGH	MIXAH	1	6/14/2004	10:23	
		ICV	ICV	1	6/14/2004	10:27	
		ICB	ICB	1	6/14/2004	10:32	
		CRI1	CRI	1	6/14/2004	10:34	
		ICSA1	ICSA	1	6/14/2004	10:38	
		ICSAB1	ICSAB	1	6/14/2004	10:41	
		CCV1	CCV	1	6/14/2004	10:43	
		CCB1	CCB	1	6/14/2004	10:46	
		IP040611-4	MB	1	6/14/2004	10:50	IP040611-4
		IP040611-4	LCS	1	6/14/2004	10:52	IP040611-4
		IP040611-4	LCSD	1	6/14/2004	10:55	IP040611-4
		0406055-3	SMP	1	6/14/2004	10:57	IP040611-4
		0406055-4	SMP	1	6/14/2004	11:00	IP040611-4
		0406055-5	SMP	1	6/14/2004	11:02	IP040611-4
		0406055-6	SMP	1	6/14/2004	11:05	IP040611-4
		0406055-7	SMP	1	6/14/2004	11:07	IP040611-4
		0406055-8	SMP	1	6/14/2004	11:10	IP040611-4
		0406055-9	SMP	1	6/14/2004	11:12	IP040611-4
		CCV2	CCV	1	6/14/2004	11:15	
		CCB2	CCB	1	6/14/2004	11:17	
		0406055-9	DUP	1	6/14/2004	11:20	IP040611-4
		0406055-9	SER	5	6/14/2004	11:22	IP040611-4
		0406055-9	MS	1	6/14/2004	11:25	IP040611-4
		0406055-9	MSD	1	6/14/2004	11:27	IP040611-4
		0406055-10	SMP	1	6/14/2004	11:30	IP040611-4
		0406055-11	SMP	1	6/14/2004	11:32	IP040611-4
	700-01	0405097-19	SMP	1	6/14/2004	11:35	IP040611-4
	700-03	0405097-21	SMP	1	6/14/2004	11:37	IP040611-4
	900-01	0405097-23	SMP	1	6/14/2004	11:40	IP040611-4
	OSA-01	0405097-28	SMP	1	6/14/2004	11:42	IP040611-4
		CCV3	CCV	1	6/14/2004	11:45	
		CCB3	CCB	1	6/14/2004	11:47	
		0406055-7	SMP	5	6/14/2004	12:06	IP040611-4
		0406055-9	SMP	2	6/14/2004	12:09	IP040611-4

Data Package ID: IT0405097-1

Paragon Analytics
LIMS Version: 5.041A

Date Printed: Tuesday, July 20, 2004

ICPTrace Run Log -- 6/14/2004

Instrument ID: ICPTrace
File Name: TS40614
AnalRunID: IT040614-1A1
CalibRefID: IT040614-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406055-9	DUP	2	6/14/2004	12:13	IP040611-4
		0406055-9	SER	10	6/14/2004	12:15	IP040611-4
		0406055-9	MS	2	6/14/2004	12:18	IP040611-4
		0406055-9	MSD	2	6/14/2004	12:20	IP040611-4
	700-01	0405097-19	SMP	2	6/14/2004	12:23	IP040611-4
	700-03	0405097-21	SMP	3	6/14/2004	12:25	IP040611-4
	OSA-01	0405097-28	SMP	2	6/14/2004	12:28	IP040611-4
		0406055-9	A	1	6/14/2004	12:30	IP040611-4
		CCV4	CCV	1	6/14/2004	12:33	
		CCB4	CCB	1	6/14/2004	12:36	
		CRI2	CRI	1	6/14/2004	12:39	
		ICSA2	ICSA	1	6/14/2004	12:42	
		ICSAB2	ICSAB	1	6/14/2004	12:44	
		CCV5	CCV	1	6/14/2004	12:47	
		CCB5	CCB	1	6/14/2004	12:50	
		IP040611-1	MB	1	6/14/2004	12:58	IP040611-1
		IP040611-1	LCS	1	6/14/2004	13:01	IP040611-1
		0406028-1	SMP	5	6/14/2004	13:03	IP040611-1
		0406028-2	SMP	5	6/14/2004	13:06	IP040611-1
		0406028-3	SMP	5	6/14/2004	13:08	IP040611-1
		0406028-4	SMP	5	6/14/2004	13:11	IP040611-1
		0406028-5	SMP	5	6/14/2004	13:13	IP040611-1
		0406028-6	SMP	5	6/14/2004	13:16	IP040611-1
		0406028-7	SMP	5	6/14/2004	13:18	IP040611-1
		0406028-8	SMP	5	6/14/2004	13:21	IP040611-1
		CCV6	CCV	1	6/14/2004	13:23	
		CCB6	CCB	1	6/14/2004	13:26	
		0406028-9	SMP	5	6/14/2004	13:28	IP040611-1
		0406028-10	SMP	5	6/14/2004	13:31	IP040611-1
		0406028-11	SMP	5	6/14/2004	13:33	IP040611-1
		0406028-12	SMP	5	6/14/2004	13:36	IP040611-1
		0406028-13	SMP	5	6/14/2004	13:38	IP040611-1
		0406028-14	SMP	5	6/14/2004	13:41	IP040611-1
		0406028-15	SMP	5	6/14/2004	13:43	IP040611-1
		0406028-16	SMP	5	6/14/2004	13:46	IP040611-1

Data Package ID: IT0405097-1

ICPTrace Run Log -- 6/14/2004

Instrument ID: ICPTrace
File Name: TS40614
AnalRunID: IT040614-1A1
CalibRefID: IT040614-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406028-17	SMP	5	6/14/2004	13:48	IP040611-1
		0406028-18	SMP	5	6/14/2004	13:51	IP040611-1
		CCV7	CCV	1	6/14/2004	13:53	
		CCB7	CCB	1	6/14/2004	13:56	
		0406028-19	SMP	5	6/14/2004	13:58	IP040611-1
		0406028-20	SMP	5	6/14/2004	14:01	IP040611-1
		0406028-20	DUP	5	6/14/2004	14:04	IP040611-1
		0406028-20	SER	25	6/14/2004	14:06	IP040611-1
		0406028-20	MS	5	6/14/2004	14:09	IP040611-1
		0406028-20	MSD	5	6/14/2004	14:11	IP040611-1
		IP040611-2	MB	1	6/14/2004	14:14	IP040611-2
		IP040611-2	LCS	1	6/14/2004	14:16	IP040611-2
		0406030-1	SMP	5	6/14/2004	14:19	IP040611-2
		0406030-2	SMP	5	6/14/2004	14:21	IP040611-2
		CCV8	CCV	1	6/14/2004	14:24	
		CCB8	CCB	1	6/14/2004	14:26	
		0406030-3	SMP	5	6/14/2004	14:29	IP040611-2
		0406030-4	SMP	5	6/14/2004	14:31	IP040611-2
		0406030-5	SMP	5	6/14/2004	14:34	IP040611-2
		0406030-6	SMP	5	6/14/2004	14:36	IP040611-2
		0406030-7	SMP	5	6/14/2004	14:39	IP040611-2
		0406030-8	SMP	5	6/14/2004	14:41	IP040611-2
		0406030-9	SMP	5	6/14/2004	14:44	IP040611-2
		0406030-10	SMP	5	6/14/2004	14:46	IP040611-2
		0406030-11	SMP	5	6/14/2004	14:49	IP040611-2
		0406030-12	SMP	5	6/14/2004	14:51	IP040611-2
		CCV9	CCV	1	6/14/2004	14:54	
		CCB9	CCB	1	6/14/2004	14:57	
		0406030-13	SMP	5	6/14/2004	14:59	IP040611-2
		0406030-14	SMP	5	6/14/2004	15:02	IP040611-2
		0406030-15	SMP	5	6/14/2004	15:04	IP040611-2
		0406030-16	SMP	5	6/14/2004	15:07	IP040611-2
		0406030-17	SMP	5	6/14/2004	15:09	IP040611-2
		0406030-18	SMP	5	6/14/2004	15:12	IP040611-2
		0406030-18	DUP	5	6/14/2004	15:14	IP040611-2

Data Package ID: IT0405097-1

ICPTrace Run Log -- 6/14/2004

Instrument ID: ICPTrace
File Name: TS40614
AnalRunID: IT040614-1A1
CalibRefID: IT040614-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406030-18	SER	25	6/14/2004	15:17	IP040611-2
		0406030-18	MS	5	6/14/2004	15:19	IP040611-2
		0406030-18	MSD	5	6/14/2004	15:22	IP040611-2
		CCV10	CCV	1	6/14/2004	15:24	
		CCB10	CCB	1	6/14/2004	15:27	
		0406030-19	SMP	5	6/14/2004	15:29	IP040611-2
		0406030-20	SMP	5	6/14/2004	15:32	IP040611-2
		0406030-18	A	5	6/14/2004	15:36	IP040611-2
		IP040611-3	MB	1	6/14/2004	15:39	IP040611-3
		IP040611-3	LCS	1	6/14/2004	15:41	IP040611-3
		0406031-1	SMP	5	6/14/2004	15:44	IP040611-3
		0406031-2	SMP	5	6/14/2004	15:46	IP040611-3
		0406031-3	SMP	5	6/14/2004	15:49	IP040611-3
		0406031-4	SMP	5	6/14/2004	15:51	IP040611-3
		0406031-5	SMP	5	6/14/2004	15:54	IP040611-3
		CCV11	CCV	1	6/14/2004	15:56	
		CCB11	CCB	1	6/14/2004	15:59	
		0406031-6	SMP	5	6/14/2004	16:04	IP040611-3
		0406031-7	SMP	5	6/14/2004	16:06	IP040611-3
		0406031-8	SMP	5	6/14/2004	16:09	IP040611-3
		0406031-9	SMP	5	6/14/2004	16:11	IP040611-3
		0406031-10	SMP	5	6/14/2004	16:14	IP040611-3
		0406031-11	SMP	5	6/14/2004	16:16	IP040611-3
		0406031-12	SMP	5	6/14/2004	16:19	IP040611-3
		0406031-13	SMP	5	6/14/2004	16:21	IP040611-3
		0406031-14	SMP	5	6/14/2004	16:24	IP040611-3
		0406031-15	SMP	5	6/14/2004	16:26	IP040611-3
		CCV12	CCV	1	6/14/2004	16:29	
		CCB12	CCB	1	6/14/2004	16:32	
		0406031-16	SMP	5	6/14/2004	16:34	IP040611-3
		0406031-17	SMP	5	6/14/2004	16:37	IP040611-3
		0406031-17	DUP	5	6/14/2004	16:39	IP040611-3
		0406031-17	SER	25	6/14/2004	16:42	IP040611-3
		0406031-17	MS	5	6/14/2004	16:44	IP040611-3
		0406031-17	MSD	5	6/14/2004	16:47	IP040611-3

Data Package ID: IT0405097-1

ICPTrace Run Log -- 6/14/2004

Instrument ID: ICPTrace
File Name: TS40614
AnalRunID: IT040614-1A1
CalibRefID: IT040614-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406031-18	SMP	5	6/14/2004	16:49	IP040611-3
		0406031-19	SMP	5	6/14/2004	16:52	IP040611-3
		0406031-20	SMP	5	6/14/2004	16:54	IP040611-3
		0406031-17	A	5	6/14/2004	16:57	IP040611-3
		CCV13	CCV	1	6/14/2004	17:00	
		CCB13	CCB	1	6/14/2004	17:02	
		IP040614-1	MB	1	6/14/2004	17:06	IP040614-1
		IP040614-1	LCS	1	6/14/2004	17:09	IP040614-1
		IP040614-1	LCSD	1	6/14/2004	17:12	IP040614-1
		0406092-1	SMP	1	6/14/2004	17:14	IP040614-1
		0406092-2	SMP	1	6/14/2004	17:17	IP040614-1
		0406092-3	SMP	1	6/14/2004	17:19	IP040614-1
		Z	Z	1	6/14/2004	17:22	
		CRI3	CRI	1	6/14/2004	17:24	
		ICSA3	ICSA	1	6/14/2004	17:27	
		ICSAB3	ICSAB	1	6/14/2004	17:33	
		CCV14	CCV	1	6/14/2004	17:36	
		CCB14	CCB	1	6/14/2004	17:38	

Data Package ID: IT0405097-1

ICPTrace Run Log -- 7/12/2004

Instrument ID: ICPTrace
File Name: TS40712
AnalRunID: IT040712-1A1
CalibRefID: IT040712-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		MIXBHIGH	MIXBH	1	7/12/2004	14:49	
		MIXAHIGH	MIXAH	1	7/12/2004	14:52	
		ICV	ICV	1	7/12/2004	14:55	
		ICB	ICB	1	7/12/2004	14:59	
		CRI1	CRI	1	7/12/2004	15:02	
		ICSA1	ICSA	1	7/12/2004	15:06	
		ICSAB1	ICSAB	1	7/12/2004	15:08	
		CCV1	CCV	1	7/12/2004	15:11	
		CCB1	CCB	1	7/12/2004	15:20	
		IP040709-2	MB	1	7/12/2004	15:22	IP040709-2
		IP040709-2	LCS	1	7/12/2004	15:26	IP040709-2
		0405096-1	SMP	1	7/12/2004	15:29	IP040709-2
		0405096-1	DUP	1	7/12/2004	15:31	IP040709-2
		0405096-1	SER	5	7/12/2004	15:34	IP040709-2
		0405096-1	MS	1	7/12/2004	15:36	IP040709-2
		0405096-1	MSD	1	7/12/2004	15:39	IP040709-2
		0405096-2	SMP	1	7/12/2004	15:41	IP040709-2
		0405096-3	SMP	1	7/12/2004	15:44	IP040709-2
		0405096-4	SMP	1	7/12/2004	15:46	IP040709-2
		CCV2	CCV	1	7/12/2004	15:49	
		CCB2	CCB	1	7/12/2004	15:51	
		0405096-5	SMP	1	7/12/2004	15:54	IP040709-2
		0405096-6	SMP	1	7/12/2004	15:56	IP040709-2
		0405096-7	SMP	1	7/12/2004	15:59	IP040709-2
		0405096-8	SMP	1	7/12/2004	16:01	IP040709-2
		0405096-9	SMP	1	7/12/2004	16:04	IP040709-2
		0405096-10	SMP	1	7/12/2004	16:06	IP040709-2
		0405096-11	SMP	1	7/12/2004	16:09	IP040709-2
		0405096-12	SMP	1	7/12/2004	16:11	IP040709-2
		0405096-13	SMP	1	7/12/2004	16:14	IP040709-2
		0405096-14	SMP	1	7/12/2004	16:16	IP040709-2
		CCV3	CCV	1	7/12/2004	16:19	
		CCB3	CCB	1	7/12/2004	16:21	
		0405096-15	SMP	1	7/12/2004	16:24	IP040709-2
		0405096-16	SMP	1	7/12/2004	16:26	IP040709-2

Data Package ID: IT0405097-1

Paragon Analytics
LIMS Version: 5.041A

Date Printed: Tuesday, July 20, 2004

ICPTrace Run Log -- 7/12/2004

Instrument ID: ICPTrace
File Name: TS40712
AnalRunID: IT040712-1A1
CalibRefID: IT040712-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0405096-17	SMP	1	7/12/2004	16:29	IP040709-2
		0405096-18	SMP	1	7/12/2004	16:31	IP040709-2
		0405096-19	SMP	1	7/12/2004	16:34	IP040709-2
		0405096-20	SMP	1	7/12/2004	16:36	IP040709-2
		Z	Z	1	7/12/2004	16:42	
		Z	Z	1	7/12/2004	16:45	
		Z	Z	1	7/12/2004	16:47	
		0405096-1	SMP	5	7/12/2004	16:50	IP040709-2
		CCV4	CCV	1	7/12/2004	16:53	
		CCB4	CCB	1	7/12/2004	16:55	
		0405096-1	DUP	5	7/12/2004	16:58	IP040709-2
		0405096-1	SER	25	7/12/2004	17:00	IP040709-2
		0405096-1	MS	5	7/12/2004	17:04	IP040709-2
		0405096-1	MSD	5	7/12/2004	17:06	IP040709-2
		0405096-5	SMP	2	7/12/2004	17:09	IP040709-2
		0405096-6	SMP	2	7/12/2004	17:11	IP040709-2
		0405096-7	SMP	2	7/12/2004	17:14	IP040709-2
		0405096-8	SMP	5	7/12/2004	17:16	IP040709-2
		0405096-10	SMP	2	7/12/2004	17:19	IP040709-2
		0405096-13	SMP	2	7/12/2004	17:21	IP040709-2
		CCV5	CCV	1	7/12/2004	17:24	
		CCB5	CCB	1	7/12/2004	17:26	
		0405096-17	SMP	2	7/12/2004	17:29	IP040709-2
		0405096-18	SMP	2	7/12/2004	17:32	IP040709-2
		0406187-7	A	1	7/12/2004	17:34	IP040625-2
		IDL-1	IDL-1	1	7/12/2004	17:43	
		IDL-2	IDL-2	1	7/12/2004	17:46	
		IDL-3	IDL-3	1	7/12/2004	17:51	
		IDL-4	IDL-4	1	7/12/2004	17:53	
		IDL-5	IDL-5	1	7/12/2004	17:58	
		IDL-6	IDL-6	1	7/12/2004	18:00	
		IDL-7	IDL-7	1	7/12/2004	18:03	
		CCV6	CCV	1	7/12/2004	18:06	
		CCB6	CCB	1	7/12/2004	18:08	
		CRI2	CRI	1	7/12/2004	18:11	

Data Package ID: IT0405097-1

ICPTrace Run Log -- 7/12/2004

Instrument ID: ICPTrace
File Name: TS40712
AnalRunID: IT040712-1A1
CalibRefID: IT040712-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		ICSA2	ICSA	1	7/12/2004	18:16	
		ICSAB2	ICSAB	1	7/12/2004	18:19	
		CCV7	CCV	1	7/12/2004	18:21	
		CCB7	CCB	1	7/12/2004	18:24	
		IP040709-3	MB	1	7/12/2004	18:28	IP040709-3
		IP040709-3	LCS	1	7/12/2004	18:31	IP040709-3
		0405096-21	SMP	1	7/12/2004	18:33	IP040709-3
		0405096-21	DUP	1	7/12/2004	18:36	IP040709-3
		0405096-21	SER	5	7/12/2004	18:38	IP040709-3
		0405096-21	MS	1	7/12/2004	18:41	IP040709-3
		0405096-21	MSD	1	7/12/2004	18:43	IP040709-3
		0405096-22	SMP	1	7/12/2004	18:46	IP040709-3
		0405096-23	SMP	1	7/12/2004	18:48	IP040709-3
		0405096-24	SMP	1	7/12/2004	18:51	IP040709-3
		CCV8	CCV	1	7/12/2004	18:53	
		CCB8	CCB	1	7/12/2004	18:56	
		0405096-25	SMP	1	7/12/2004	18:58	IP040709-3
		0405096-26	SMP	1	7/12/2004	19:01	IP040709-3
		0405096-27	SMP	1	7/12/2004	19:03	IP040709-3
		0405096-28	SMP	1	7/12/2004	19:06	IP040709-3
		0405096-29	SMP	1	7/12/2004	19:08	IP040709-3
		0405096-30	SMP	1	7/12/2004	19:11	IP040709-3
		0405096-31	SMP	1	7/12/2004	19:13	IP040709-3
		0405096-32	SMP	1	7/12/2004	19:16	IP040709-3
	HR-01	0405097-1	SMP	1	7/12/2004	19:18	IP040709-3
	MR-01	0405097-2	SMP	1	7/12/2004	19:21	IP040709-3
		CCV9	CCV	1	7/12/2004	19:23	
		CCB9	CCB	1	7/12/2004	19:26	
	MR-02	0405097-3	SMP	1	7/12/2004	19:28	IP040709-3
	GR-01	0405097-4	SMP	1	7/12/2004	19:31	IP040709-3
	GR-02	0405097-5	SMP	1	7/12/2004	19:34	IP040709-3
	GR-03	0405097-6	SMP	1	7/12/2004	19:36	IP040709-3
	GR-04	0405097-7	SMP	1	7/12/2004	19:39	IP040709-3
	GR-05	0405097-8	SMP	1	7/12/2004	19:41	IP040709-3
		CRI3	CRI	1	7/12/2004	19:44	

Data Package ID: IT0405097-1

ICPTrace Run Log -- 7/12/2004

Instrument ID: ICPTrace
File Name: TS40712
AnalRunID: IT040712-1A1
CalibRefID: IT040712-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		ICSA3	ICSA	1	7/12/2004	19:46	
		ICSAB3	ICSAB	1	7/12/2004	19:49	
		CCV10	CCV	1	7/12/2004	19:51	
		CCB10	CCB	1	7/12/2004	19:54	

Data Package ID: IT0405097-1

ICPTrace Run Log -- 7/13/04

Instrument ID: ICPTrace
File Name: ts40713
AnalRunID: IT040713-1A1
CalibRefID: IT040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		MIXBHIGH	MIXBH	1	7/13/04	09:17	
		MIXAHIGH	MIXAH	1	7/13/04	09:19	
		ICV	ICV	1	7/13/04	09:22	
		ICB	ICB	1	7/13/04	09:25	
		CRI1	CRI	1	7/13/04	09:27	
		ICSA1	ICSA	1	7/13/04	09:30	
		ICSAB1	ICSAB	1	7/13/04	09:32	
		CCV1	CCV	1	7/13/04	09:35	
		CCB1	CCB	1	7/13/04	09:37	
		0405096-21	SMP	2	7/13/04	09:44	IP040709-3
		0405096-21	DUP	2	7/13/04	09:46	IP040709-3
		0405096-21	SER	10	7/13/04	09:49	IP040709-3
		0405096-21	MS	2	7/13/04	09:51	IP040709-3
		0405096-21	MSD	2	7/13/04	09:54	IP040709-3
		0405096-23	SMP	2	7/13/04	09:56	IP040709-3
		0405096-27	SMP	2	7/13/04	09:59	IP040709-3
		0405096-28	SMP	2	7/13/04	10:01	IP040709-3
		0405096-32	SMP	2	7/13/04	10:04	IP040709-3
	HR-01	0405097-1	SMP	2	7/13/04	10:07	IP040709-3
		CCV2	CCV	1	7/13/04	10:09	
		CCB2	CCB	1	7/13/04	10:12	
		IP040709-4	MB	1	7/13/04	10:14	IP040709-4
		IP040709-4	LCS	1	7/13/04	10:17	IP040709-4
	GR-06	0405097-9	SMP	1	7/13/04	10:19	IP040709-4
	GR-06	0405097-9	DUP	1	7/13/04	10:22	IP040709-4
	GR-06	0405097-9	SER	5	7/13/04	10:24	IP040709-4
	GR-06	0405097-9	MS	1	7/13/04	10:27	IP040709-4
	GR-06	0405097-9	MSD	1	7/13/04	10:29	IP040709-4
	GR-07	0405097-10	SMP	1	7/13/04	10:32	IP040709-4
	GR-08	0405097-11	SMP	1	7/13/04	10:34	IP040709-4
	GR-09	0405097-12	SMP	1	7/13/04	10:37	IP040709-4
		CCV3	CCV	1	7/13/04	10:39	
		CCB3	CCB	1	7/13/04	10:42	
	GR-10	0405097-13	SMP	1	7/13/04	10:44	IP040709-4
	QM-01	0405097-14	SMP	1	7/13/04	10:47	IP040709-4

Data Package ID: IT0405097-1

Paragon Analytics
LIMS Version: 5.040A

Date Printed: Tuesday, July 20, 2004

ICPTrace Run Log -- 7/13/04

Instrument ID: ICPTrace
File Name: ts40713
AnalRunID: IT040713-1A1
CalibRefID: IT040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
	QM-02	0405097-15	SMP	1	7/13/04	10:49	IP040709-4
	QM-03	0405097-16	SMP	1	7/13/04	10:52	IP040709-4
	300-01	0405097-17	SMP	1	7/13/04	10:54	IP040709-4
	300-02	0405097-18	SMP	1	7/13/04	10:57	IP040709-4
	700-02	0405097-20	SMP	1	7/13/04	10:59	IP040709-4
	700-04	0405097-22	SMP	1	7/13/04	11:02	IP040709-4
	900-02	0405097-24	SMP	1	7/13/04	11:05	IP040709-4
	900-03	0405097-25	SMP	1	7/13/04	11:07	IP040709-4
		CCV4	CCV	1	7/13/04	11:10	
		CCB4	CCB	1	7/13/04	11:12	
	900-04	0405097-26	SMP	1	7/13/04	11:15	IP040709-4
	900-05	0405097-27	SMP	1	7/13/04	11:17	IP040709-4
	OSA-02	0405097-29	SMP	1	7/13/04	11:20	IP040709-4
	OSA-03	0405097-30	SMP	1	7/13/04	11:22	IP040709-4
	GR-06	0405097-9	A	1	7/13/04	11:26	IP040709-4
		CRI2	CRI	1	7/13/04	11:28	
		ICSA2	ICSA	1	7/13/04	11:32	
		ICSAB2	ICSAB	1	7/13/04	11:35	
		CCV5	CCV	1	7/13/04	11:37	
		CCB5	CCB	1	7/13/04	11:40	
		IP040712-2	MB	1	7/13/04	12:01	IP040712-2
		IP040712-2	LCS	1	7/13/04	12:03	IP040712-2
		0406206-1	SMP	1	7/13/04	12:07	IP040712-2
		0406206-2	SMP	1	7/13/04	12:10	IP040712-2
		0406206-3	SMP	1	7/13/04	12:12	IP040712-2
		0406245-1	SMP	1	7/13/04	12:15	IP040712-2
		0406245-1	DUP	1	7/13/04	12:17	IP040712-2
		0406245-1	SER	5	7/13/04	12:20	IP040712-2
		0406245-1	MS	1	7/13/04	12:23	IP040712-2
		0406245-1	MSD	1	7/13/04	12:26	IP040712-2
		CCV6	CCV	1	7/13/04	12:28	
		CCB6	CCB	1	7/13/04	12:31	
		0406245-2	SMP	1	7/13/04	12:33	IP040712-2
		0406245-3	SMP	1	7/13/04	12:36	IP040712-2
		0406245-5	SMP	1	7/13/04	12:38	IP040712-2

Data Package ID: IT0405097-1

ICPTrace Run Log -- 7/13/04

Instrument ID: ICPTrace
File Name: ts40713
AnalRunID: IT040713-1A1
CalibRefID: IT040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406245-6	SMP	1	7/13/04	12:41	IP040712-2
		0406206-2	SMP	5	7/13/04	12:47	IP040712-2
		0406206-3	SMP	5	7/13/04	12:49	IP040712-2
		0406245-1	SMP	5	7/13/04	12:52	IP040712-2
		0406245-1	DUP	5	7/13/04	12:54	IP040712-2
		0406245-1	SER	25	7/13/04	12:57	IP040712-2
		0406245-1	MS	5	7/13/04	12:59	IP040712-2
		CCV7	CCV	1	7/13/04	13:02	
		CCB7	CCB	1	7/13/04	13:05	
		0406245-1	MSD	5	7/13/04	13:07	IP040712-2
		IP040712-1	MB	1	7/13/04	13:10	IP040712-1
		IP040712-1	LCS	1	7/13/04	13:12	IP040712-1
		0406258-1	SMP	5	7/13/04	13:15	IP040712-1
		0406258-2	SMP	5	7/13/04	13:17	IP040712-1
		0406258-3	SMP	5	7/13/04	13:20	IP040712-1
		0406258-4	SMP	5	7/13/04	13:22	IP040712-1
		0406258-5	SMP	5	7/13/04	13:25	IP040712-1
		0406258-6	SMP	5	7/13/04	13:27	IP040712-1
		0406258-7	SMP	5	7/13/04	13:30	IP040712-1
		CCV8	CCV	1	7/13/04	13:32	
		CCB8	CCB	1	7/13/04	13:35	
		CRI3	CRI	1	7/13/04	13:40	
		ICSA3	ICSA	1	7/13/04	13:42	
		ICSAB3	ICSAB	1	7/13/04	13:45	
		CCV9	CCV	1	7/13/04	13:47	
		CCB9	CCB	1	7/13/04	13:50	
		0406258-8	SMP	5	7/13/04	13:58	IP040712-1
		0406258-9	SMP	5	7/13/04	14:00	IP040712-1
		0406258-10	SMP	5	7/13/04	14:03	IP040712-1
		0406258-11	SMP	5	7/13/04	14:05	IP040712-1
		0406258-12	SMP	5	7/13/04	14:08	IP040712-1
		0406258-13	SMP	5	7/13/04	14:10	IP040712-1
		0406258-13	DUP	5	7/13/04	14:13	IP040712-1
		0406258-13	SER	25	7/13/04	14:15	IP040712-1
		0406258-13	MS	5	7/13/04	14:18	IP040712-1

Data Package ID: IT0405097-1

ICPTrace Run Log -- 7/13/04

Instrument ID: ICPTrace
File Name: ts40713
AnalRunID: IT040713-1A1
CalibRefID: IT040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406258-13	MSD	5	7/13/04	14:20	IP040712-1
		CCV10	CCV	1	7/13/04	14:23	
		CCB10	CCB	1	7/13/04	14:26	
		0406258-14	SMP	5	7/13/04	14:28	IP040712-1
		0406258-15	SMP	5	7/13/04	14:31	IP040712-1
		0406258-16	SMP	5	7/13/04	14:33	IP040712-1
		0406258-17	SMP	5	7/13/04	14:36	IP040712-1
		0406258-18	SMP	5	7/13/04	14:38	IP040712-1
		0406258-19	SMP	5	7/13/04	14:41	IP040712-1
		0406258-20	SMP	5	7/13/04	14:43	IP040712-1
		IP040712-3	MB	1	7/13/04	14:46	IP040712-3
		IP040712-3	LCS	1	7/13/04	14:48	IP040712-3
		0406259-1	SMP	5	7/13/04	14:51	IP040712-3
		CCV11	CCV	1	7/13/04	14:53	
		CCB11	CCB	1	7/13/04	14:56	
		0406259-2	SMP	5	7/13/04	14:58	IP040712-3
		0406259-3	SMP	5	7/13/04	15:01	IP040712-3
		0406259-4	SMP	5	7/13/04	15:03	IP040712-3
		0406259-5	SMP	5	7/13/04	15:06	IP040712-3
		0406259-6	SMP	5	7/13/04	15:09	IP040712-3
		0406259-7	SMP	5	7/13/04	15:11	IP040712-3
		0406259-8	SMP	5	7/13/04	15:14	IP040712-3
		0406259-9	SMP	5	7/13/04	15:16	IP040712-3
		0406259-10	SMP	5	7/13/04	15:19	IP040712-3
		0406259-11	SMP	5	7/13/04	15:21	IP040712-3
		CCV12	CCV	1	7/13/04	15:24	
		CCB12	CCB	1	7/13/04	15:26	
		0406259-12	SMP	5	7/13/04	15:29	IP040712-3
		0406259-13	SMP	5	7/13/04	15:31	IP040712-3
		0406259-13	DUP	5	7/13/04	15:34	IP040712-3
		0406259-13	SER	25	7/13/04	15:36	IP040712-3
		0406259-13	MS	5	7/13/04	15:39	IP040712-3
		0406259-13	MSD	5	7/13/04	15:41	IP040712-3
		0406259-14	SMP	5	7/13/04	15:44	IP040712-3
		0406259-15	SMP	5	7/13/04	15:46	IP040712-3

Data Package ID: IT0405097-1

ICPTrace Run Log -- 7/13/04

Instrument ID: ICPTrace
File Name: ts40713
AnalRunID: IT040713-1A1
CalibRefID: IT040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406259-16	SMP	5	7/13/04	15:49	IP040712-3
		0406259-17	SMP	5	7/13/04	15:51	IP040712-3
		CCV13	CCV	1	7/13/04	15:54	
		CCB13	CCB	1	7/13/04	15:56	
		0406259-18	SMP	5	7/13/04	16:00	IP040712-3
		0406259-19	SMP	5	7/13/04	16:02	IP040712-3
		0406259-20	SMP	5	7/13/04	16:05	IP040712-3
		0406259-13	A	5	7/13/04	16:07	IP040712-3
		CRI4	CRI	1	7/13/04	16:10	
		ICSA4	ICSA	1	7/13/04	16:12	
		ICSAB4	ICSAB	1	7/13/04	16:15	
		CCV14	CCV	1	7/13/04	16:18	
		CCB14	CCB	1	7/13/04	16:20	
		IP040712-4	MB	1	7/13/04	16:25	IP040712-4
		IP040712-4	LCS	1	7/13/04	16:28	IP040712-4
		0406260-1	SMP	5	7/13/04	16:30	IP040712-4
		0406260-2	SMP	5	7/13/04	16:33	IP040712-4
		0406260-3	SMP	5	7/13/04	16:35	IP040712-4
		0406260-4	SMP	5	7/13/04	16:38	IP040712-4
		0406260-5	SMP	5	7/13/04	16:41	IP040712-4
		0406260-6	SMP	5	7/13/04	16:43	IP040712-4
		0406260-7	SMP	5	7/13/04	16:46	IP040712-4
		0406260-8	SMP	5	7/13/04	16:48	IP040712-4
		CCV15	CCV	1	7/13/04	16:51	
		CCB15	CCB	1	7/13/04	16:53	
		0406260-9	SMP	5	7/13/04	16:56	IP040712-4
		0406260-10	SMP	5	7/13/04	16:58	IP040712-4
		0406260-11	SMP	5	7/13/04	17:01	IP040712-4
		0406260-11	DUP	5	7/13/04	17:03	IP040712-4
		0406260-11	SER	25	7/13/04	17:06	IP040712-4
		0406260-11	MS	5	7/13/04	17:08	IP040712-4
		0406260-11	MSD	5	7/13/04	17:11	IP040712-4
		0406260-12	SMP	5	7/13/04	17:13	IP040712-4
		0406260-13	SMP	5	7/13/04	17:16	IP040712-4
		0406260-14	SMP	5	7/13/04	17:18	IP040712-4

Data Package ID: IT0405097-1

ICPTrace Run Log -- 7/13/04

Instrument ID: ICPTrace
File Name: ts40713
AnalRunID: IT040713-1A1
CalibRefID: IT040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		CCV16	CCV	1	7/13/04	17:21	
		CCB16	CCB	1	7/13/04	17:23	
		0406260-15	SMP	5	7/13/04	17:26	IP040712-4
		0406260-16	SMP	5	7/13/04	17:28	IP040712-4
		0406260-17	SMP	5	7/13/04	17:31	IP040712-4
		0406260-18	SMP	5	7/13/04	17:34	IP040712-4
		0406260-19	SMP	5	7/13/04	17:36	IP040712-4
		0406260-20	SMP	5	7/13/04	17:39	IP040712-4
		0406260-11	A	5	7/13/04	17:41	IP040712-4
		CRI5	CRI	1	7/13/04	17:44	
		ICSA5	ICSA	1	7/13/04	17:46	
		ICSAB5	ICSAB	1	7/13/04	17:49	
		CCV17	CCV	1	7/13/04	17:51	
		CCB17	CCB	1	7/13/04	17:54	

Data Package ID: IT0405097-1

ICPTrace Run Log -- 7/14/2004

Instrument ID: ICPTrace
File Name: TS40714
AnalRunID: IT040714-1A1
CalibRefID: IT040714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		MIXBHIGH	MIXBH	1	7/14/2004	09:01	
		MIXAHIGH	MIXAH	1	7/14/2004	09:03	
		ICV	ICV	1	7/14/2004	09:06	
		ICB	ICB	1	7/14/2004	09:09	
		CRI1	CRI	1	7/14/2004	09:11	
		ICSA1	ICSA	1	7/14/2004	09:24	
		ICSAB1	ICSAB	1	7/14/2004	09:27	
		CCV1	CCV	1	7/14/2004	09:29	
		CCB1	CCB	1	7/14/2004	09:32	
		IP040713-1	MB	1	7/14/2004	09:41	IP040713-1
		IP040713-1	LCS	1	7/14/2004	09:43	IP040713-1
		0407072-1	SMP	1	7/14/2004	09:46	IP040713-1
		0407072-1	DUP	1	7/14/2004	09:49	IP040713-1
		0407072-1	SER	5	7/14/2004	09:51	IP040713-1
		0407072-1	MS	1	7/14/2004	09:54	IP040713-1
		0407072-1	MSD	1	7/14/2004	09:56	IP040713-1
		0407072-2	SMP	1	7/14/2004	09:59	IP040713-1
		0407072-2	DUP	1	7/14/2004	10:01	IP040713-1
		0407072-2	SER	5	7/14/2004	10:04	IP040713-1
		CCV2	CCV	1	7/14/2004	10:06	
		CCB2	CCB	1	7/14/2004	10:09	
		0407072-2	MS	1	7/14/2004	10:11	IP040713-1
		0407072-2	MSD	1	7/14/2004	10:14	IP040713-1
		0407072-3	SMP	1	7/14/2004	10:16	IP040713-1
		0407072-4	SMP	1	7/14/2004	10:19	IP040713-1
		0407072-5	SMP	1	7/14/2004	10:21	IP040713-1
		0407072-6	SMP	1	7/14/2004	10:24	IP040713-1
		0407072-7	SMP	1	7/14/2004	10:26	IP040713-1
		0407072-8	SMP	1	7/14/2004	10:29	IP040713-1
		0407072-9	SMP	1	7/14/2004	10:31	IP040713-1
		0407072-10	SMP	1	7/14/2004	10:34	IP040713-1
		CCV3	CCV	1	7/14/2004	10:36	
		CCB3	CCB	1	7/14/2004	10:39	
		0407072-11	SMP	1	7/14/2004	10:41	IP040713-1
		0407072-12	SMP	1	7/14/2004	10:44	IP040713-1

Data Package ID: IT0405097-1

Paragon Analytics
LIMS Version: 5.041A

Date Printed: Tuesday, July 20, 2004

ICPTrace Run Log -- 7/14/2004

Instrument ID: ICPTrace
File Name: TS40714
AnalRunID: IT040714-1A1
CalibRefID: IT040714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0407072-13	SMP	1	7/14/2004	10:46	IP040713-1
		0407072-14	SMP	1	7/14/2004	10:49	IP040713-1
		0407072-15	SMP	1	7/14/2004	10:52	IP040713-1
		0407072-16	SMP	1	7/14/2004	10:57	IP040713-1
		0407072-17	SMP	1	7/14/2004	10:59	IP040713-1
		0407072-18	SMP	1	7/14/2004	11:02	IP040713-1
		0407072-19	SMP	1	7/14/2004	11:04	IP040713-1
		0407072-20	SMP	1	7/14/2004	11:07	IP040713-1
		CCV4	CCV	1	7/14/2004	11:09	
		CCB4	CCB	1	7/14/2004	11:15	
		Z	Z	1	7/14/2004	11:18	
		IP040713-2	MB	1	7/14/2004	11:22	IP040713-2
		IP040713-2	LCS	1	7/14/2004	11:24	IP040713-2
		0407019-1	SMP	1	7/14/2004	11:27	IP040713-2
		0407019-2	SMP	1	7/14/2004	11:30	IP040713-2
		0407019-3	SMP	1	7/14/2004	11:32	IP040713-2
		0407019-4	SMP	1	7/14/2004	11:35	IP040713-2
		0407019-5	SMP	1	7/14/2004	11:37	IP040713-2
		0407019-6	SMP	1	7/14/2004	11:40	IP040713-2
		0407019-7	SMP	1	7/14/2004	11:42	IP040713-2
		CCV5	CCV	1	7/14/2004	11:45	
		CCB5	CCB	1	7/14/2004	11:47	
		0407037-1	SMP	1	7/14/2004	11:50	IP040713-2
		0407072-21	SMP	1	7/14/2004	11:52	IP040713-2
		0407072-22	SMP	1	7/14/2004	11:55	IP040713-2
		0407073-1	SMP	1	7/14/2004	11:57	IP040713-2
		0407073-1	DUP	1	7/14/2004	12:00	IP040713-2
		0407073-1	SER	5	7/14/2004	12:02	IP040713-2
		0407073-1	MS	1	7/14/2004	12:05	IP040713-2
		0407073-1	MSD	1	7/14/2004	12:07	IP040713-2
		0407073-2	SMP	1	7/14/2004	12:10	IP040713-2
		0407073-2	DUP	1	7/14/2004	12:13	IP040713-2
		CCV6	CCV	1	7/14/2004	12:17	
		CCB6	CCB	1	7/14/2004	12:19	
		0407073-2	SER	5	7/14/2004	12:24	IP040713-2

Data Package ID: IT0405097-1

ICPTrace Run Log -- 7/14/2004

Instrument ID: ICPTrace
File Name: TS40714
AnalRunID: IT040714-1A1
CalibRefID: IT040714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0407073-2	MS	1	7/14/2004	12:27	IP040713-2
		0407073-2	MSD	1	7/14/2004	12:29	IP040713-2
		0407073-3	SMP	1	7/14/2004	12:32	IP040713-2
		0407073-4	SMP	1	7/14/2004	12:34	IP040713-2
		0407073-2	A	1	7/14/2004	12:39	IP040713-2
	300-01	0405097-17	SMP	2	7/14/2004	12:42	IP040709-4
		CRI2	CRI	1	7/14/2004	12:45	
		ICSA2	ICSA	1	7/14/2004	12:48	
		ICSAB2	ICSAB	1	7/14/2004	12:50	
		CCV7	CCV	1	7/14/2004	12:53	
		CCB7	CCB	1	7/14/2004	12:55	
		IP040713-4	MB	1	7/14/2004	13:06	IP040713-4
		IP040713-4	LCS	1	7/14/2004	13:08	IP040713-4
		IP040713-4	LCSD	1	7/14/2004	13:11	IP040713-4
		0405241-6	SMP	2	7/14/2004	13:13	IP040713-4
		0407025-1	SMP	1	7/14/2004	13:16	IP040713-4
		0407039-1	SMP	1	7/14/2004	13:18	IP040713-4
		0407039-2	SMP	1	7/14/2004	13:21	IP040713-4
		0407039-3	SMP	1	7/14/2004	13:23	IP040713-4
		0407039-4	SMP	1	7/14/2004	13:26	IP040713-4
		0407042-1	SMP	1	7/14/2004	13:28	IP040713-4
		CCV8	CCV	1	7/14/2004	13:31	
		CCB8	CCB	1	7/14/2004	13:34	
		0407042-2	SMP	1	7/14/2004	13:36	IP040713-4
		0407042-2	DUP	1	7/14/2004	13:39	IP040713-4
		0407042-2	SER	5	7/14/2004	13:41	IP040713-4
		0407042-2	MS	1	7/14/2004	13:44	IP040713-4
		0407042-2	MSD	1	7/14/2004	13:46	IP040713-4
		0407042-3	SMP	1	7/14/2004	13:49	IP040713-4
		0407042-4	SMP	1	7/14/2004	13:51	IP040713-4
		0407042-5	SMP	1	7/14/2004	13:54	IP040713-4
		0407042-6	SMP	1	7/14/2004	13:56	IP040713-4
		0407063-1	SMP	1	7/14/2004	13:59	IP040713-4
		CCV9	CCV	1	7/14/2004	14:01	
		CCB9	CCB	1	7/14/2004	14:04	

Data Package ID: IT0405097-1

ICPTrace Run Log -- 7/14/2004

Instrument ID: ICPTrace
File Name: TS40714
AnalRunID: IT040714-1A1
CalibRefID: IT040714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0407063-2	SMP	1	7/14/2004	14:06	IP040713-4
		0407063-3	SMP	1	7/14/2004	14:09	IP040713-4
		0407063-4	SMP	1	7/14/2004	14:11	IP040713-4
		0405241-6	SMP	10	7/14/2004	14:16	IP040713-4
		0407039-1	SMP	2	7/14/2004	14:19	IP040713-4
		0407039-2	SMP	2	7/14/2004	14:21	IP040713-4
		0407039-4	SMP	2	7/14/2004	14:24	IP040713-4
		0407042-2	A	1	7/14/2004	14:26	IP040713-4
		IP040713-3	MB	1	7/14/2004	14:29	IP040713-3
		IP040713-3	LCS	1	7/14/2004	14:31	IP040713-3
		CCV10	CCV	1	7/14/2004	14:34	
		CCB10	CCB	1	7/14/2004	14:37	
		IP040713-3	LCSD	1	7/14/2004	14:39	IP040713-3
		0406162-2	SMP	1	7/14/2004	14:42	IP040713-3
		0406162-2	DUP	1	7/14/2004	14:44	IP040713-3
		0406162-2	SER	5	7/14/2004	14:47	IP040713-3
		0406162-2	MS	1	7/14/2004	14:49	IP040713-3
		0406162-2	MSD	1	7/14/2004	14:52	IP040713-3
		0406162-3	SMP	1	7/14/2004	14:54	IP040713-3
		CCV11	CCV	1	7/14/2004	14:57	
		CCB11	CCB	1	7/14/2004	14:59	
		CCV12	CCV	1	7/14/2004	16:31	
		CCB12	CCB	1	7/14/2004	16:34	
		IDL-1	IDL-1	1	7/14/2004	16:37	
		IDL-2	IDL-2	1	7/14/2004	16:39	
		IDL-3	IDL-3	1	7/14/2004	16:42	
		IDL-4	IDL-4	1	7/14/2004	16:44	
		IDL-5	IDL-5	1	7/14/2004	16:47	
		IDL-6	IDL-6	1	7/14/2004	16:49	
		IDL-7	IDL-7	1	7/14/2004	16:52	
		CRI3	CRI	1	7/14/2004	16:54	
		ICSA3	ICSA	1	7/14/2004	16:57	
		ICSAB3	ICSAB	1	7/14/2004	16:59	
		CCV13	CCV	1	7/14/2004	17:02	
		CCB13	CCB	1	7/14/2004	17:06	

Data Package ID: IT0405097-1

ICPMS Metals

Method SW6020
Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040611-4MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/11/2004
Date Analyzed: 06/22/2004

Prep Batch: IP040611-4
QCBatchID: IP040611-4-2
Run ID: IM040622-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1
File Name: 22JUN04A

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-61-1	URANIUM	10	10	10	U	

Data Package ID: *IM0405097-1*

ICPMS Metals

Method SW6020

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040709-3MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/09/2004
Date Analyzed: 07/13/2004

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IM040713-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1
File Name: 13JUL04A

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-61-1	URANIUM	10	10	10	U	

Data Package ID: *IM0405097-1*

ICPMS Metals

Method SW6020

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040709-4MB

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/09/2004
Date Analyzed: 07/13/2004

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IM040713-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1
File Name: 13JUL04A

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-61-1	URANIUM	10	10	10	U	

Data Package ID: *IM0405097-1*

ICPMS Metals

Method SW6020

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040611-4LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/11/2004
Date Analyzed: 06/22/2004

Prep Batch: IP040611-4
QCBatchID: IP040611-4-2
Run ID: IM040622-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-61-1	URANIUM	2000	2050	10		102	80 - 120%

Data Package ID: *IM0405097-1*

ICPMS Metals

Method SW6020

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040709-3LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/09/2004
Date Analyzed: 07/13/2004

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IM040713-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-61-1	URANIUM	2000	2090	10		105	80 - 120%

Data Package ID: *IM0405097-1*

ICPMS Metals

Method SW6020

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040709-4LCS

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/09/2004
Date Analyzed: 07/13/2004

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IM040713-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-61-1	URANIUM	2000	2040	10		102	80 - 120%

Data Package ID: *IM0405097-1*

ICPMS Metals

Method SW6020

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-06
LabID: 0405097-9MS

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 14-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IM040714-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7440-61-1	URANIUM	3500		5290		10	2000	90	75 - 125%

MSD Lab ID: 0405097-9MSD

Sample Aliquot: 1 g
Final Volume: 100 ml

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
7440-61-1	URANIUM	2000	6200	N	10	136	16	20

Data Package ID: *IM0405097-1*

ICPMS Metals

Method SW6020

Analytical Spike Sample Recovery

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-06
LabID: 0405097-9A

Run ID: IM040714-1A1
Date Analyzed: 14-Jul-04
Result Units: ug/l

Target Analyte	Sample Result	Samp Qual	PS Result	PS Qual	Spike Added	PS % Rec.	Control Limits
URANIUM	3.4839		5.665		2	109	75 - 125%

Data Package ID: *IM0405097-1*

ICPMS Metals

Method SW6020

Duplicate Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-06
Lab ID: 0405097-9D

Sample Matrix: SOLID
% Moisture: N/A
Date Collected: 05/07/2004
Date Extracted: 07/09/2004
Date Analyzed: 07/14/2004

Prep Batch: IP040709-4
QCBatchID: IP040709-4-1
Run ID: IM040714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1
File Name: 14JUL04A

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7440-61-1	URANIUM	3500		3280		10	10	6	20

Data Package ID: *IM0405097-1*

ICPMS Metals

Method SW6020

Serial Dilution

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GR-06
Lab ID: 0405097-9L

Run ID: IM040714-1A1
Date Analyzed: 14-Jul-04
Result Units: mg/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7440-61-1	URANIUM	0.0034839		0.0038808		E	11

Data Package ID: *IM0405097-1*

URANIUM

Method SW6020

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 22-Jun-04
Run ID: IM040622-1A1
Result Units: ug/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	2	2.01	0.01	N/A	100	90 - 110
CCV2	Continuing Calibration	2	2.01	0.01	N/A	100	90 - 110
CCV3	Continuing Calibration	2	2.01	0.01	N/A	100	90 - 110
CCV4	Continuing Calibration	2	2.01	0.01	N/A	100	90 - 110
CCV5	Continuing Calibration	2	2.03	0.01	N/A	102	90 - 110
ICV	Initial Calibration	2.5	2.51	0.01	N/A	100	90 - 110

Data Package ID: *IM0405097-1*

URANIUM

Method SW6020

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 13-Jul-04
Run ID: IM040713-1A1
Result Units: ug/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	2	2.01	0.01	N/A	101	90 - 110
CCV10	Continuing Calibration	2	2.08	0.01	N/A	104	90 - 110
CCV2	Continuing Calibration	2	2.03	0.01	N/A	102	90 - 110
CCV3	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV4	Continuing Calibration	2	1.91	0.01	N/A	96	90 - 110
CCV5	Continuing Calibration	2	2.03	0.01	N/A	101	90 - 110
CCV6	Continuing Calibration	2	2.06	0.01	N/A	103	90 - 110
CCV7	Continuing Calibration	2	2.07	0.01	N/A	104	90 - 110
CCV8	Continuing Calibration	2	2.08	0.01	N/A	104	90 - 110
CCV9	Continuing Calibration	2	2.08	0.01	N/A	104	90 - 110
ICV	Initial Calibration	2.5	2.52	0.01	N/A	101	90 - 110

Data Package ID: *IM0405097-1*

URANIUM

Method SW6020

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 14-Jul-04
Run ID: IM040714-1A1
Result Units: ug/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV2	Continuing Calibration	2	1.97	0.01	N/A	99	90 - 110
CCV3	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV4	Continuing Calibration	2	2.01	0.01	N/A	101	90 - 110
CCV5	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV6	Continuing Calibration	2	2.02	0.01	N/A	101	90 - 110
ICV	Initial Calibration	2.5	2.52	0.01	N/A	101	90 - 110

Data Package ID: *IM0405097-1*

URANIUM

Method SW6020

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 22-Jun-04
Run ID: IM040622-1A1
Result Units: ug/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	6/22/2004	0.01	0.01	U
CCB2	Continuing Calibration	6/22/2004	0.01	0.01	U
CCB3	Continuing Calibration	6/22/2004	0.01	0.01	U
CCB4	Continuing Calibration	6/22/2004	0.01	0.01	U
CCB5	Continuing Calibration	6/22/2004	0.01	0.01	U
ICB	Initial Calibration	6/22/2004	0.01	0.01	U

Data Package ID: *IM0405097-1*

URANIUM

Method SW6020

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 13-Jul-04
Run ID: IM040713-1A1
Result Units: ug/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB10	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB2	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB3	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB4	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB5	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB6	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB7	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB8	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB9	Continuing Calibration	7/13/2004	0.01	0.01	U
ICB	Initial Calibration	7/13/2004	0.01	0.01	U

Data Package ID: *IM0405097-1*

URANIUM

Method SW6020

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 14-Jul-04
Run ID: IM040714-1A1
Result Units: ug/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB2	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB3	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB4	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB5	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB6	Continuing Calibration	7/14/2004	0.01	0.01	U
ICB	Initial Calibration	7/14/2004	0.01	0.01	U

Data Package ID: *IM0405097-1*

ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IM040622-1A1
Date Analyzed: 06/22/2004
Result Units: ug/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-61-1	URANIUM		2		2.28	114

Data Package ID: *IM0405097-1*

ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IM040713-1A1
Date Analyzed: 07/13/2004
Result Units: ug/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-61-1	URANIUM		2		2.08	104

Data Package ID: *IM0405097-1*

ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IM040714-1A1
Date Analyzed: 07/14/2004
Result Units: ug/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-61-1	URANIUM		2		2.08	104

Data Package ID: *IM0405097-1*

Metals Linear Ranges

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Instrument ID: ICPMS
Active Date: 04/16/2004
Expiration Date: 07/15/2004

CASNO	Target Analyte	Concentration (ppm)
7429-90-5	ALUMINUM	0.2
7440-36-0	ANTIMONY	0.01
7440-38-2	ARSENIC	0.02
7440-43-9	CADMIUM	0.05
7439-92-1	LEAD	0.05
7782-49-2	SELENIUM	0.02
7440-22-4	SILVER	0.01
7440-28-0	THALLIUM	0.0005
7440-61-1	URANIUM	0.01
7440-62-2	VANADIUM	0.01

ICPMS Run Log -- 6/22/2004

Instrument ID: ICPMS
File Name: 22JUN04A
AnalRunID: IM040622-1A1
CalibRefID: IM040622-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0	0 STD		6/22/2004	11:26	
		RL	RL ST		6/22/2004	11:30	
		LOW	LOW S		6/22/2004	11:34	
		MID	MID S		6/22/2004	11:37	
		HIGH	HIGH		6/22/2004	11:41	
		MIXAHIGH	MIXAH	1	6/22/2004	11:45	
		ICV	ICV	1	6/22/2004	11:49	
		ICB	ICB	1	6/22/2004	11:57	
		CRI1	CRI	1	6/22/2004	12:03	
		ICSA1	ICSA	1	6/22/2004	12:07	
		ICSAB1	ICSAB	1	6/22/2004	12:11	
		CCV1	CCV	1	6/22/2004	12:14	
		CCB1	CCB	1	6/22/2004	12:29	
		IP040621-3	MB	10	6/22/2004	12:33	IP040621-3
		IP040621-3	LCS	10	6/22/2004	12:37	IP040621-3
		0405095-1	SMP	10	6/22/2004	12:41	IP040621-3
		0405095-2	SMP	10	6/22/2004	12:44	IP040621-3
		0405095-2	DUP	10	6/22/2004	12:48	IP040621-3
		0405095-2	SER	50	6/22/2004	12:52	IP040621-3
		0405095-2	MS	10	6/22/2004	12:56	IP040621-3
		0405095-2	MSD	10	6/22/2004	12:59	IP040621-3
		0405095-3	SMP	10	6/22/2004	13:03	IP040621-3
		0405095-5	SMP	10	6/22/2004	13:07	IP040621-3
		CCV2	CCV	1	6/22/2004	13:11	
		CCB2	CCB	1	6/22/2004	13:15	
		0405095-7	SMP	10	6/22/2004	13:18	IP040621-3
		0405095-8	SMP	10	6/22/2004	13:22	IP040621-3
		0405095-9	SMP	10	6/22/2004	13:26	IP040621-3
		0405095-10	SMP	10	6/22/2004	13:30	IP040621-3
		0405095-11	SMP	10	6/22/2004	13:34	IP040621-3
		0405095-12	SMP	10	6/22/2004	13:37	IP040621-3
		CCV3	CCV	1	6/22/2004	13:41	
		CCB3	CCB	1	6/22/2004	13:45	
		IP040611-4	MB	10	6/22/2004	13:52	IP040611-4
		IP040611-4	LCS	10	6/22/2004	13:56	IP040611-4

Data Package ID: IM0405097-1

Paragon Analytics
LIMS Version: 5.041A

Date Printed: Tuesday, July 20, 2004

ICPMS Run Log -- 6/22/2004

Instrument ID: ICPMS
File Name: 22JUN04A
AnalRunID: IM040622-1A1
CalibRefID: IM040622-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406055-9	SMP	10	6/22/2004	14:00	IP040611-4
		0406055-9	DUP	10	6/22/2004	14:04	IP040611-4
		0406055-9	SER	50	6/22/2004	14:07	IP040611-4
		0406055-9	MS	10	6/22/2004	14:19	IP040611-4
		0406055-9	MSD	10	6/22/2004	14:25	IP040611-4
	700-01	0405097-19	SMP	10000	6/22/2004	14:28	IP040611-4
	700-03	0405097-21	SMP	10000	6/22/2004	14:32	IP040611-4
	900-01	0405097-23	SMP	10000	6/22/2004	14:36	IP040611-4
		CCV4	CCV	1	6/22/2004	14:40	
		CCB4	CCB	1	6/22/2004	14:43	
	OSA-01	0405097-28	SMP	10000	6/22/2004	14:47	IP040611-4
	700-01	0405097-19	SMP	20000	6/22/2004	14:57	IP040611-4
	700-03	0405097-21	SMP	20000	6/22/2004	15:01	IP040611-4
	900-01	0405097-23	SMP	20000	6/22/2004	15:04	IP040611-4
		0406050-20	SMP	10	6/22/2004	15:08	IP040622-22
		0406050-20	SER	50	6/22/2004	15:12	IP040622-22
		0406050-20	MS	10	6/22/2004	15:16	IP040622-22
		0406050-20	MSD	10	6/22/2004	15:19	IP040622-22
		0406050-1	SMP	1000	6/22/2004	15:23	IP040622-22
		0406050-2	SMP	1000	6/22/2004	15:27	IP040622-21
		CCV5	CCV	1	6/22/2004	15:31	
		CCB5	CCB	1	6/22/2004	15:35	
		0406050-3	SMP	1000	6/22/2004	15:38	IP040622-22
		0406050-4	SMP	1000	6/22/2004	15:42	IP040622-22
		0406050-4	SER	5000	6/22/2004	15:46	IP040622-22
		0406050-4	MS	1000	6/22/2004	15:50	IP040622-22
		0406050-4	MSD	1000	6/22/2004	15:53	IP040622-22
		CCV6	CCV	1	6/22/2004	15:57	
		CCB6	CCB	1	6/22/2004	16:01	

Data Package ID: IM0405097-1

ICPMS Run Log -- 7/13/2004

Instrument ID: ICPMS
File Name: 13JUL04A
AnalRunID: IM040713-1A1
CalibRefID: IM040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0	0 STD		7/13/2004	11:15	
		RL	RL ST		7/13/2004	11:18	
		LOW	LOW S		7/13/2004	11:22	
		MID	MID S		7/13/2004	11:26	
		HIGH	HIGH		7/13/2004	11:30	
		MIXAHIGH	MIXAH	1	7/13/2004	11:33	
		ICV	ICV	1	7/13/2004	11:37	
		ICB	ICB	1	7/13/2004	11:46	
		IDL1-1	IDL1-	1	7/13/2004	11:52	
		IDL1-2	IDL1-	1	7/13/2004	11:55	
		IDL1-3	IDL1-	1	7/13/2004	11:59	
		IDL1-4	IDL1-	1	7/13/2004	12:03	
		IDL1-5	IDL1-	1	7/13/2004	12:07	
		IDL1-6	IDL1-	1	7/13/2004	12:10	
		IDL1-7	IDL1-	1	7/13/2004	12:14	
		CCV1	CCV	1	7/13/2004	12:18	
		CCB1	CCB	1	7/13/2004	12:22	
		CRI1	CRI	1	7/13/2004	12:25	
		ICSA1	ICSA	1	7/13/2004	12:29	
		ICSAB1	ICSAB	1	7/13/2004	12:33	
		CCV2	CCV	1	7/13/2004	12:44	
		CCB2	CCB	1	7/13/2004	12:47	
		IP040706-2	MB	10	7/13/2004	12:51	IP040706-2
		IP040706-2	LCS	10	7/13/2004	12:54	IP040706-2
		IP040706-2	LCSD	10	7/13/2004	12:58	IP040706-2
		0406241-3	SMP	10	7/13/2004	13:02	IP040706-2
		0406241-3	DUP	10	7/13/2004	13:06	IP040706-2
		0406241-3	SER	50	7/13/2004	13:10	IP040706-2
		0406241-3	MS	10	7/13/2004	13:13	IP040706-2
		0406241-3	MSD	10	7/13/2004	13:17	IP040706-2
		0406241-3	A	10	7/13/2004	13:21	IP040706-2
		0406241-1	SMP	10	7/13/2004	13:25	IP040706-2
		CCV3	CCV	1	7/13/2004	13:39	
		CCB3	CCB	1	7/13/2004	13:43	
		0406241-2	SMP	10	7/13/2004	13:46	IP040706-2

Data Package ID: IM0405097-1

Paragon Analytics
LIMS Version: 5.041A

Date Printed: Tuesday, July 20, 2004

ICPMS Run Log -- 7/13/2004

Instrument ID: ICPMS
File Name: 13JUL04A
AnalRunID: IM040713-1A1
CalibRefID: IM040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406241-4	SMP	10	7/13/2004	13:50	IP040706-2
		0406241-5	SMP	10	7/13/2004	13:54	IP040706-2
		0406241-6	SMP	10	7/13/2004	13:58	IP040706-2
		0406226-2	SMP	10	7/13/2004	14:01	IP040706-2
		0406226-3	SMP	10	7/13/2004	14:05	IP040706-2
		0406226-4	SMP	10	7/13/2004	14:09	IP040706-2
		0406226-5	SMP	10	7/13/2004	14:13	IP040706-2
		0406226-6	SMP	10	7/13/2004	14:17	IP040706-2
		0406226-7	SMP	10	7/13/2004	14:20	IP040706-2
		CCV4	CCV	1	7/13/2004	14:43	
		CCB4	CCB	1	7/13/2004	14:45	
		IP040706-2	LCS	10	7/13/2004	14:49	IP040706-2
		IP040706-2	LCSD	10	7/13/2004	15:05	IP040706-2
		IP040709-2	MB	10	7/13/2004	15:08	IP040706-2
		IP040709-3	MB	10	7/13/2004	15:11	IP040706-3
		IP040709-4	MB	10	7/13/2004	15:15	IP040706-4
		IP040709-2	LCS	10	7/13/2004	15:19	IP040706-2
		IP040709-3	LCS	10	7/13/2004	15:23	IP040706-3
		IP040709-4	LCS	10	7/13/2004	15:26	IP040706-4
		CCV5	CCV	1	7/13/2004	15:42	
		CCB5	CCB	1	7/13/2004	15:45	
		0405096-10	SMP	10	7/13/2004	15:48	IP040706-2
		0405096-9	SMP	100	7/13/2004	15:52	IP040706-2
	900-05	0405097-27	SMP	100	7/13/2004	15:56	IP040706-4
		0405096-30	SMP	1000	7/13/2004	16:00	IP040706-3
	OSA-02	0405097-29	SMP	2000	7/13/2004	16:04	IP040706-4
	300-01	0405097-17	SMP	5000	7/13/2004	16:07	IP040706-4
	900-02	0405097-24	SMP	10000	7/13/2004	16:11	IP040706-4
		CCV6	CCV	1	7/13/2004	16:15	
		CCB6	CCB	1	7/13/2004	16:24	
		0405096-2	SMP	100	7/13/2004	16:43	IP040706-2
		0405096-3	SMP	100	7/13/2004	16:47	IP040706-2
		0405096-4	SMP	100	7/13/2004	16:51	IP040706-2
		0405096-5	SMP	100	7/13/2004	16:54	IP040706-2
		0405096-6	SMP	100	7/13/2004	16:58	IP040706-2

Data Package ID: IM0405097-1

ICPMS Run Log -- 7/13/2004

Instrument ID: ICPMS
File Name: 13JUL04A
AnalRunID: IM040713-1A1
CalibRefID: IM040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0405096-1	SMP	10	7/13/2004	17:02	IP040706-2
		0405096-1	DUP	10	7/13/2004	17:06	IP040706-2
		0405096-1	SER	50	7/13/2004	17:09	IP040706-2
		0405096-1	MS	10	7/13/2004	17:13	IP040706-2
		0405096-1	MSD	10	7/13/2004	17:17	IP040706-2
		CCV7	CCV	1	7/13/2004	17:21	
		CCB7	CCB	1	7/13/2004	17:25	
		0405096-8	SMP	100	7/13/2004	17:28	IP040706-2
		0405096-10	SMP	100	7/13/2004	17:32	IP040706-2
		0405096-11	SMP	100	7/13/2004	17:36	IP040706-2
		0405096-12	SMP	100	7/13/2004	17:40	IP040706-2
		0405096-13	SMP	100	7/13/2004	17:43	IP040706-2
		0405096-14	SMP	100	7/13/2004	17:47	IP040706-2
		0405096-15	SMP	100	7/13/2004	17:51	IP040706-2
		0405096-16	SMP	100	7/13/2004	17:55	IP040706-2
		0405096-17	SMP	100	7/13/2004	17:59	IP040706-2
		0405096-19	SMP	100	7/13/2004	18:02	IP040706-2
		CCV8	CCV	1	7/13/2004	18:06	
		CCB8	CCB	1	7/13/2004	18:10	
		0405096-20	SMP	100	7/13/2004	18:14	IP040706-2
		0405096-25	SMP	100	7/13/2004	18:17	IP040706-3
	GR-02	0405097-5	SMP	100	7/13/2004	18:21	IP040706-3
	GR-03	0405097-6	SMP	100	7/13/2004	18:25	IP040706-3
	GR-04	0405097-7	SMP	100	7/13/2004	18:29	IP040706-3
	GR-05	0405097-8	SMP	100	7/13/2004	18:33	IP040706-3
	GR-06	0405097-9	SMP	100	7/13/2004	18:36	IP040706-4
	GR-06	0405097-9	DUP	100	7/13/2004	18:40	IP040706-4
	GR-06	0405097-9	SER	500	7/13/2004	18:44	IP040706-4
	GR-06	0405097-9	MS	100	7/13/2004	18:48	IP040706-4
		CCV9	CCV	1	7/13/2004	18:51	
		CCB9	CCB	1	7/13/2004	18:55	
	GR-06	0405097-9	MSD	100	7/13/2004	18:59	IP040706-4
	GR-07	0405097-10	SMP	100	7/13/2004	19:03	IP040706-4
	GR-08	0405097-11	SMP	100	7/13/2004	19:07	IP040706-4
	GR-09	0405097-12	SMP	100	7/13/2004	19:10	IP040706-4

Data Package ID: IM0405097-1

ICPMS Run Log -- 7/13/2004

Instrument ID: ICPMS
File Name: 13JUL04A
AnalRunID: IM040713-1A1
CalibRefID: IM040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
	QM-01	0405097-14	SMP	100	7/13/2004	19:14	IP040706-4
	QM-02	0405097-15	SMP	100	7/13/2004	19:18	IP040706-4
	QM-03	0405097-16	SMP	100	7/13/2004	19:22	IP040706-4
		CCV10	CCV	1	7/13/2004	19:26	
		CCB10	CCB	1	7/13/2004	19:29	

Data Package ID: IM0405097-1

ICPMS Run Log -- 7/14/2004

Instrument ID: ICPMS
File Name: 14JUL04A
AnalRunID: IM040714-1A1
CalibRefID: IM040714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0	0 STD		7/14/2004	12:18	
		RL	RL ST		7/14/2004	12:21	
		LOW	LOW S		7/14/2004	12:24	
		MID	MID S		7/14/2004	12:27	
		HIGH	HIGH		7/14/2004	12:31	
		MIXAHIGH	MIXAH	1	7/14/2004	12:34	
		ICV	ICV	1	7/14/2004	12:37	
		ICB	ICB	1	7/14/2004	12:45	
		CRI1	CRI	1	7/14/2004	12:50	
		ICSA1	ICSA	1	7/14/2004	12:54	
		ICSAB1	ICSAB	1	7/14/2004	12:57	
		CCV1	CCV	1	7/14/2004	13:00	
		CCB1	CCB	1	7/14/2004	13:03	
		0405096-3	SMP	10	7/14/2004	13:07	IP040709-2
		0405096-6	SMP	10	7/14/2004	13:10	IP040709-2
	GR-06	0405097-9	SMP	10	7/14/2004	13:13	IP040709-4
	GR-06	0405097-9	SER	50	7/14/2004	13:16	IP040709-4
	GR-06	0405097-9	MS	10	7/14/2004	13:20	IP040709-4
	GR-06	0405097-9	MSD	10	7/14/2004	13:23	IP040709-4
	900-05	0405097-27	SMP	1000	7/14/2004	13:26	IP040709-4
	QM-01	0405097-14	SMP	10	7/14/2004	13:29	IP040709-4
	QM-02	0405097-15	SMP	10	7/14/2004	13:32	IP040709-4
	QM-03	0405097-16	SMP	10	7/14/2004	13:36	IP040709-4
		CCV2	CCV	1	7/14/2004	13:39	
		CCB2	CCB	1	7/14/2004	13:42	
		0405096-9	SMP	200	7/14/2004	13:51	IP040709-2
		0405096-22	SMP	200	7/14/2004	13:54	IP040709-3
		0405096-26	SMP	200	7/14/2004	13:57	IP040709-3
	GR-01	0405097-4	SMP	200	7/14/2004	14:00	IP040709-3
	GR-10	0405097-13	SMP	200	7/14/2004	14:04	IP040709-4
		0405096-18	SMP	500	7/14/2004	14:07	IP040709-2
		0405096-29	SMP	500	7/14/2004	14:10	IP040709-3
		0405096-31	SMP	500	7/14/2004	14:13	IP040709-3
	300-02	0405097-18	SMP	500	7/14/2004	14:16	IP040709-4
		0405096-7	SMP	1000	7/14/2004	14:20	IP040709-2

Data Package ID: IM0405097-1

Paragon Analytics
LIMS Version: 5.041A

Date Printed: Tuesday, July 20, 2004

ICPMS Run Log -- 7/14/2004

Instrument ID: ICPMS
File Name: 14JUL04A
AnalRunID: IM040714-1A1
CalibRefID: IM040714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		CCV3	CCV	1	7/14/2004	14:23	
		CCB3	CCB	1	7/14/2004	14:26	
		0405096-8	SMP	1000	7/14/2004	14:29	IP040709-2
	HR-01	0405097-1	SMP	1000	7/14/2004	14:33	IP040709-2
	700-02	0405097-20	SMP	1000	7/14/2004	14:36	IP040709-4
	900-04	0405097-26	SMP	1000	7/14/2004	14:39	IP040709-4
		0405096-28	SMP	2000	7/14/2004	14:42	IP040709-3
		0405096-30	SMP	2000	7/14/2004	14:46	IP040709-3
	MR-02	0405097-3	SMP	2000	7/14/2004	14:49	IP040709-2
	700-04	0405097-22	SMP	2000	7/14/2004	14:52	IP040709-4
		0405096-27	SMP	5000	7/14/2004	14:55	IP040709-3
		0405096-32	SMP	5000	7/14/2004	14:58	IP040709-3
		CCV4	CCV	1	7/14/2004	15:02	
		CCB4	CCB	1	7/14/2004	15:05	
	MR-01	0405097-2	SMP	5000	7/14/2004	15:08	IP040709-2
	900-03	0405097-25	SMP	5000	7/14/2004	15:11	IP040709-4
	OSA-02	0405097-29	SMP	5000	7/14/2004	15:15	IP040709-4
	OSA-03	0405097-30	SMP	10000	7/14/2004	15:18	IP040709-4
	300-01	0405097-17	SMP	20000	7/14/2004	15:21	IP040709-4
	900-02	0405097-24	SMP	20000	7/14/2004	15:24	IP040709-4
		0405096-21	SMP	1000	7/14/2004	15:28	IP040709-3
		0405096-21	SER	5000	7/14/2004	15:31	IP040709-3
		0405096-21	MS	1000	7/14/2004	15:34	IP040709-3
		0405096-21	MSD	1000	7/14/2004	15:37	IP040709-3
		CCV5	CCV	1	7/14/2004	15:41	
		CCB5	CCB	1	7/14/2004	15:44	
		0405096-21	DUP	1000	7/14/2004	15:52	IP040709-3
	GR-06	0405097-9	DUP	10	7/14/2004	15:55	IP040709-4
	GR-06	0405097-9	A	10	7/14/2004	15:58	IP040709-4
	700-02	0405097-20	SMP	5000	7/14/2004	16:01	IP040709-4
	700-04	0405097-22	SMP	5000	7/14/2004	16:04	IP040709-4
		CCV6	CCV	1	7/14/2004	16:07	
		CCB6	CCB	1	7/14/2004	16:11	
		I	DUP		7/14/2004	16:14	IP040709-2
		I	DUP		7/14/2004	16:17	IP040709-2

Data Package ID: IM0405097-1

ICPMS Run Log -- 7/14/2004

Instrument ID: ICPMS
File Name: 14JUL04A
AnalRunID: IM040714-1A1
CalibRefID: IM040714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		I	DUP		7/14/2004	16:20	IP040709-2
		I	DUP		7/14/2004	16:24	IP040709-2
		I	DUP		7/14/2004	16:27	IP040709-2
		I	DUP		7/14/2004	16:30	IP040709-2
		I	DUP		7/14/2004	16:33	IP040709-2
		CCV7	CCV	1	7/14/2004	16:36	
		CCB7	CCB	1	7/14/2004	16:40	
		0406164-1	SMP	1	7/14/2004	16:43	IP040709-2
		0406164-1	DUP	1	7/14/2004	16:46	IP040709-2
		0406164-1	SMP	1	7/14/2004	16:49	IP040709-2
		0406164-1	DUP	1	7/14/2004	16:53	IP040709-2
		CCV8	CCV	1	7/14/2004	16:56	
		CCB8	CCB	1	7/14/2004	16:59	
		0407069-1	SMP	1000	7/14/2004	17:07	IP040714-21
		0407069-3	SMP	1000	7/14/2004	17:10	IP040714-21
		0407069-5	SMP	1000	7/14/2004	17:13	IP040714-21
		0407069-7	SMP	1000	7/14/2004	17:17	IP040714-21
		0407069-8	SMP	1000	7/14/2004	17:20	IP040714-21
		0407069-9	SMP	500	7/14/2004	17:23	IP040714-21
		0407069-10	SMP	500	7/14/2004	17:26	IP040714-21
		0407069-11	SMP	1000	7/14/2004	17:29	IP040714-21
		0407069-12	SMP	1000	7/14/2004	17:33	IP040714-21
		0407069-14	SMP	1000	7/14/2004	17:36	IP040714-21
		CCV9	CCV	1	7/14/2004	17:39	
		CCB9	CCB	1	7/14/2004	17:42	
		0407069-15	SMP	1000	7/14/2004	17:51	IP040714-21
		0407069-16	SMP	1000	7/14/2004	17:54	IP040714-21
		0407069-17	SMP	1000	7/14/2004	17:58	IP040714-21
		0407069-18	SMP	1000	7/14/2004	18:01	IP040714-21
		0407069-19	SMP	1000	7/14/2004	18:04	IP040714-21
		0407069-20	SMP	1000	7/14/2004	18:07	IP040714-21
		0407069-21	SMP	1000	7/14/2004	18:10	IP040714-21
		0407069-21	SER	5000	7/14/2004	18:14	IP040714-21
		0407069-21	MS	1000	7/14/2004	18:17	IP040714-21
		0407069-21	MSD	1000	7/14/2004	18:20	IP040714-21

Data Package ID: IM0405097-1

ICPMS Run Log -- 7/14/2004

Instrument ID: ICPMS
File Name: 14JUL04A
AnalRunID: IM040714-1A1
CalibRefID: IM040714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		CCV10	CCV	1	7/14/2004	18:23	
		CCB10	CCB	1	7/14/2004	18:27	
		0407069-22	SMP	1000	7/14/2004	18:30	IP040714-22
		0407069-23	SMP	1000	7/14/2004	18:33	IP040714-22
		0407069-6	SMP	10	7/14/2004	18:36	IP040714-21
		0407069-2	SMP	10	7/14/2004	18:42	IP040714-22
		0407069-2	SER	50	7/14/2004	18:45	IP040714-22
		0407069-2	MS	10	7/14/2004	18:48	IP040714-22
		0407069-2	MSD	10	7/14/2004	18:51	IP040714-22
		0407069-4	SMP	100	7/14/2004	18:54	IP040714-21
		0407069-13	SMP	100	7/14/2004	18:58	IP040714-21
		CCV11	CCV	1	7/14/2004	19:01	
		CCB11	CCB	1	7/14/2004	19:12	
		0407069-13	SMP	1000	7/14/2004	19:14	IP040714-21
		0407069-2	SMP	50	7/14/2004	19:17	IP040714-22
		0407069-2	SER	250	7/14/2004	19:21	IP040714-22
		0407069-2	MS	50	7/14/2004	19:24	IP040714-22
		0407069-2	MSD	50	7/14/2004	19:27	IP040714-22
		CCV12	CCV	1	7/14/2004	19:30	
		CCB12	CCB	1	7/14/2004	19:34	

Data Package ID: IM0405097-1

Mercury

Method SW7471

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: HG040611-1MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/11/2004
Date Analyzed: 06/14/2004

Prep Batch: HG040611-1
QCBatchID: HG040611-1-2
Run ID: HG040614-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 0.6 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: 04061400

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.1	0.1	U	

Data Package ID: *HG0405097-1*

Mercury

Method SW7471

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: HG040611-1LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/11/2004
Date Analyzed: 06/14/2004

Prep Batch: HG040611-1
QCBatchID: HG040611-1-2
Run ID: HG040614-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 0.6 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7439-97-6	MERCURY	0.167	0.172	0.1		103	80 - 120%

Data Package ID: *HG0405097-1*

MERCURY

Method SW7471

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 14-Jun-04
Run ID: HG040614-1A1
Result Units: mg/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	0.002	0.00186	0.0006	N/A	93	80 - 120
CCV2	Continuing Calibration	0.002	0.00187	0.0006	N/A	94	80 - 120
CCV3	Continuing Calibration	0.002	0.0019	0.0006	N/A	95	80 - 120
ICV	Initial Calibration	0.001	0.000962	0.0006	N/A	96	90 - 110

Data Package ID: *HG0405097-1*

MERCURY

Method SW7471

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 14-Jun-04
Run ID: HG040614-1A1
Result Units: mg/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	6/14/2004	0.0006	0.0006	U
CCB2	Continuing Calibration	6/14/2004	0.0006	0.0006	U
CCB3	Continuing Calibration	6/14/2004	0.0006	0.0006	U
ICB	Initial Calibration	6/14/2004	0.0006	0.0006	U

Data Package ID: *HG0405097-1*

Metals Linear Ranges

Lab Name: **Paragon Analytics**
Work Order Number: 0405097
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Instrument ID: CETAC
Active Date: 04/16/2004
Expiration Date: 07/15/2004

CASNO	Target Analyte	Concentration (ppm)
7439-97-6	MERCURY	0.005

Mercury Run Log -- 6/14/2004

Instrument ID: CETAC
File Name: 04061400
AnalRunID: HG040614-1A1
CalibRefID: HG040614-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		STD0	STD0	1	6/14/2004	9:12	
		STD1	STD1	1	6/14/2004	9:14	
		STD2	STD2	1	6/14/2004	9:15	
		STD3	STD3	1	6/14/2004	9:17	
		STD4	STD4	1	6/14/2004	9:19	
		STD5	STD5	1	6/14/2004	9:20	
		ICV	ICV	1	6/14/2004	9:22	
		ICB	ICB	1	6/14/2004	9:23	
		CRA1	CRA	1	6/14/2004	9:25	
		HG040611-1	MB	1	6/14/2004	9:27	HG040611-1
		HG040611-1	LCS	1	6/14/2004	9:28	HG040611-1
		HG040611-1	LCSD	1	6/14/2004	9:30	HG040611-1
		0406051-3	SMP	1	6/14/2004	9:31	HG040611-1
		0406051-3	DUP	1	6/14/2004	9:33	HG040611-1
		0406051-3	MS	1	6/14/2004	9:35	HG040611-1
		0406051-3	MSD	1	6/14/2004	9:36	HG040611-1
		0406051-4	SMP	1	6/14/2004	9:38	HG040611-1
		0406051-5	SMP	1	6/14/2004	9:39	HG040611-1
		CCV1	CCV	1	6/14/2004	9:41	
		CCB1	CCB	1	6/14/2004	9:43	
		0406051-6	SMP	1	6/14/2004	9:44	HG040611-1
		0406051-7	SMP	1	6/14/2004	9:46	HG040611-1
		0406051-8	SMP	1	6/14/2004	9:47	HG040611-1
		0406051-9	SMP	1	6/14/2004	9:49	HG040611-1
		0406051-10	SMP	1	6/14/2004	9:51	HG040611-1
		0406051-11	SMP	1	6/14/2004	9:52	HG040611-1
		0406051-12	SMP	1	6/14/2004	9:54	HG040611-1
		0406080-1	SMP	1	6/14/2004	9:56	HG040611-1
	700-01	0405097-19	SMP	1	6/14/2004	9:57	HG040611-1
	700-03	0405097-21	SMP	1	6/14/2004	9:59	HG040611-1
		CCV2	CCV	1	6/14/2004	10:00	
		CCB2	CCB	1	6/14/2004	10:02	
	900-01	0405097-23	SMP	1	6/14/2004	10:04	HG040611-1
	OSA-01	0405097-28	SMP	1	6/14/2004	10:05	HG040611-1
		HG040611-2	MB	1	6/14/2004	10:07	HG040611-1

Data Package ID: HG0405097-1

Paragon Analytics
LIMS Version: 5.041A

Date Printed: Tuesday, July 20, 2004

Mercury Run Log -- 6/14/2004

Instrument ID: CETAC
File Name: 04061400
AnalRunID: HG040614-1A1
CalibRefID: HG040614-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		HG040611-2	LCS	1	6/14/2004	10:08	HG040611-1
		HG040611-2	LCSD	1	6/14/2004	10:10	HG040611-1
		HG040611-2RB	MB	1	6/14/2004	10:12	HG040611-1
		0405223-1	SMP	1	6/14/2004	10:13	HG040611-1
		0405223-2	SMP	1	6/14/2004	10:15	HG040611-1
		0405223-3	SMP	1	6/14/2004	10:17	HG040611-1
		0405223-4	SMP	1	6/14/2004	10:18	HG040611-1
		CCV3	CCV	1	6/14/2004	10:20	
		CCB3	CCB	1	6/14/2004	10:21	
		0405223-5	SMP	1	6/14/2004	10:23	HG040611-1
		0405223-6	SMP	1	6/14/2004	10:25	HG040611-1
		0405223-7	SMP	1	6/14/2004	10:26	HG040611-1
		0405223-8	SMP	1	6/14/2004	10:28	HG040611-1
		CCV4	CCV	1	6/14/2004	10:29	
		CCB4	CCB	1	6/14/2004	10:31	

Data Package ID: HG0405097-1

Raw Data

HEADER INFORMATION FOR ANALYTICAL SEQUENCE T40614A

SW

Reviewed REM 6/17/04

STANDARD SOLUTION CODES

MIX A High Standard (ST040602-1) exp 06/02/05

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

---

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

4.0ml Intermediate Mix (ST040602-2) exp 05/21/05
0.04ml 1000ug/ml Ag (ST040602-37) exp 08/21/05
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

---

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

0.1ml Intermediate RL STD MIX 1 (ST040602-7) exp 5/21/05
0.1ml Intermediate RL STD MIX 2 (ST040602-8) exp 6/02/05

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

Element	Concentration (ug/ml)
Ca,Mg,Na,K	0.5
Al,Fe	0.1
Sb	0.008
Pb	0.003
Ba,Cr,Co,Cu	0.002
Mn,Ag,V	0.002
Be,Cd	0.001

ICSA (preparation date: 06/02/04)
Made by diluting:
10ml (ST040525-43) exp 11/07/05
to 100ml final volume

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

ICSAB (prepraration date: 06/02/04)
Made by diluting:
10ml (ST040525-43) exp 11/07/05
1.0ml (ST040525-42) exp 11/13/05
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Cd,Ni,Zn	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: 06/14/04
made by diluting:
0.5ml IV-7 (ST040521-31) exp 06/01/05
0.5ml IV-19 (ST040521-32) exp 06/01/05
5.0ml Major Element 2nd source (ST040602-3) exp 06/02/05
to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	50.5

Fe,Na	20.5
K	20.0
Ba,Be,Cd,Co,Cr	0.5
Cu,Mn,Ni,Sb,V,Zn	0.5
As,Pb,Se,Tl	0.5
Ag	0.5

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
Ba,Be,Cd,Co,Cr	0.25
Cu,Mn,Ni,Sb,V,Zn	0.25
As,Pb,Se,Tl	0.25
Ag	0.25

CRI (preparation date: 06/02/04)
Made by diluting:
1.0ml intermediate solution 1 (ST040602-4) exp 11/07/05
1.0ml intermediate solution 2 (ST040602-5) exp 11/07/05
1.0ml intermediate solution 3 (ST040602-6) exp 11/07/05
0.5ml 2000ug/ml Ca,Mg,Na,K (ST040601-4) exp 11/07/05
to 100ml final volume.

Element	ug/ml
Ca,Mg,Na,K	10.0
Fe	0.2
Al,Ba	0.4
Tl,Cr,Ag	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 -- Y42044
HCl -- X25027

Pipet ID Numbers

1.0 to 5.0ml M-55

0.1 to 1.0ml AB-001

0.01 to 0.1ml M-57

Date of Multi-point calibration: 06/14/04

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
Ni (10)	Pb,Al
V (10)	Al,Be,Fe

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.

ANALYTICAL SPIKES

0406055-9A post spiked for the following element(s) at the listed concentration (ug/ml in digestate)

Sb 1.0

0.05ml of "IV-19 Spike" (ST040521-32) brought to 5ml final volume with digestate.

0406030-18A 5X post spiked for the following element(s) at the listed concentration (ug/ml in digestate)

Pb 1.0

0.05ml of "IV-19 Spike" (ST040521-32) brought to 5ml final volume with 5X dilution of digestate.

0406031-17A 5X post spiked for the following element(s) at the listed concentration (ug/ml in digestate)

Pb 1.0

0.05ml of "IV-19 Spike" (ST040521-32) brought to 5ml final volume with 5X dilution of 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 05/05/04 (SW)

Multi-point calibrations performed at beginning of sequence.

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
	Blank; RL STDs; Mix A: High, 1/2, 1/10, 1/100; Mix B: High, 1/2, 1/10, 1/100							
1	MIXBHIGH	T	TRACE	06/14/04	10:21	SW	Q	CONC
2	MIXAHIGH	T	TRACE	06/14/04	10:23	SW	Q	CONC
3	ICV	T	TRACE	06/14/04	10:27	SW	Q	CONC
4	ICB	T	TRACE	06/14/04	10:32	SW	B	CONC
5	CRI	T	TRACE	06/14/04	10:34	SW	S	CONC
6	ICSA	T	TRACE	06/14/04	10:38	SW	Q	CONC
7	ICSAB	T	TRACE	06/14/04	10:41	SW	Q	CONC
8	CCV	T	TRACE	06/14/04	10:43	SW	Q	CONC
9	CCB	T	TRACE	06/14/04	10:46	SW	B	CONC
10	IP040611-4MB	T	TRACE	06/14/04	10:50	SW	S	CONC
11	IP040611-4LCS	T	TRACE	06/14/04	10:52	SW	S	CONC
12	IP040611-4LCSD	T	TRACE	06/14/04	10:55	SW	S	CONC
13	0406055-3 TAL	T	TRACE	06/14/04	10:57	SW	S	CONC
14	0406055-4	T	TRACE	06/14/04	11:00	SW	S	CONC
15	0406055-5	T	TRACE	06/14/04	11:02	SW	S	CONC
16	0406055-6	T	TRACE	06/14/04	11:05	SW	S	CONC
17	0406055-7 TAL - Mn, Pb, Tl	T	TRACE	06/14/04	11:07	SW	S	CONC
18	0406055-8 TAL	T	TRACE	06/14/04	11:10	SW	S	CONC
19	0406055-9 TAL - Mn, Pb, Tl	T	TRACE	06/14/04	11:12	SW	S	CONC
20	CCV	T	TRACE	06/14/04	11:15	SW	Q	CONC
21	CCB	T	TRACE	06/14/04	11:17	SW	B	CONC
22	0406055-9D	T	TRACE	06/14/04	11:20	SW	S	CONC
23	0406055-9L 5X	T	TRACE	06/14/04	11:22	SW	S	CONC
24	0406055-9MS	T	TRACE	06/14/04	11:25	SW	S	CONC
25	0406055-9MSD	T	TRACE	06/14/04	11:27	SW	S	CONC
26	0406055-10 TAL	T	TRACE	06/14/04	11:30	SW	S	CONC
27	0406055-11	T	TRACE	06/14/04	11:32	SW	S	CONC
28	0405097-19 TAL - Mn, Pb, Tl	T	TRACE	06/14/04	11:35	SW	S	CONC
29	0405097-21 TAL - Fe, Mn, Pb, Cd, Se, Tl	T	TRACE	06/14/04	11:37	SW	S	CONC
30	0405097-23 TAL	T	TRACE	06/14/04	11:40	SW	S	CONC
31	0405097-28 TAL - Mn, Pb, Tl	T	TRACE	06/14/04	11:42	SW	S	CONC
32	CCV	T	TRACE	06/14/04	11:45	SW	Q	CONC
33	CCB	T	TRACE	06/14/04	11:47	SW	B	CONC
34	0406055-7 5X Mn, Pb, Tl	T	TRACE	06/14/04	12:06	SW	S	CONC
35	0406055-9 ~~5X~~ 2X	T	TRACE	06/14/04	12:09	SW	S	CONC
36	0406055-9D ~~5X~~ 2X	T	TRACE	06/14/04	12:13	SW	S	CONC
37	0406055-9L ~~25X~~ 10X	T	TRACE	06/14/04	12:15	SW	S	CONC
38	0406055-9MS ~~5X~~ 2X	T	TRACE	06/14/04	12:18	SW	S	CONC
39	0406055-9MSD ~~5X~~ 2X	T	TRACE	06/14/04	12:20	SW	S	CONC
40	0405097-19 2X	T	TRACE	06/14/04	12:23	SW	S	CONC
41	0405097-21 3X Fe, Mn, Cd, Pb, Se, Tl	T	TRACE	06/14/04	12:25	SW	S	CONC
42	0405097-28 2X Mn, Pb, Tl	T	TRACE	06/14/04	12:28	SW	S	CONC
43	0406055-9A Sb	T	TRACE	06/14/04	12:30	SW	S	CONC
44	CCV	T	TRACE	06/14/04	12:33	SW	Q	CONC
45	CCB	T	TRACE	06/14/04	12:36	SW	B	CONC
46	CRI	T	TRACE	06/14/04	12:39	SW	S	CONC
47	ICSA	T	TRACE	06/14/04	12:42	SW	Q	CONC
48	ICSAB	T	TRACE	06/14/04	12:44	SW	Q	CONC
49	CCV	T	TRACE	06/14/04	12:47	SW	Q	CONC
50	CCB	T	TRACE	06/14/04	12:50	SW	B	CONC
51	IP040611-1MB	T	TRACE	06/14/04	12:58	SW	S	CONC
52	IP040611-1LCS	T	TRACE	06/14/04	13:01	SW	S	CONC
53	0406028-1 5X As, Pb	T	TRACE	06/14/04	13:03	SW	S	CONC
54	0406028-2 5X	T	TRACE	06/14/04	13:06	SW	S	CONC

SW 6/17/04

All samples in WO. 0405097, 0406055 were diluted 5 fold to reduce potential matrix interferences. RLs are below the client required RL of 10 mg/kg in the diluted samples.

All samples in WO. 0406028, 030, 031

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
55	0406028-3 5X	As,Pb	TRACE	06/14/04	13:08	SW	S	CONC
56	0406028-4 5X	T	TRACE	06/14/04	13:11	SW	S	CONC
57	0406028-5 5X	T	TRACE	06/14/04	13:13	SW	S	CONC
58	0406028-6 5X	T	TRACE	06/14/04	13:16	SW	S	CONC
59	0406028-7 5X	T	TRACE	06/14/04	13:18	SW	S	CONC
60	0406028-8 5X	T	TRACE	06/14/04	13:21	SW	S	CONC
61	CCV	T	TRACE	06/14/04	13:23	SW	Q	CONC
62	CCB	T	TRACE	06/14/04	13:26	SW	B	CONC
63	0406028-9 5X	T	TRACE	06/14/04	13:28	SW	S	CONC
64	0406028-10 5X	T	TRACE	06/14/04	13:31	SW	S	CONC
65	0406028-11 5X	T	TRACE	06/14/04	13:33	SW	S	CONC
66	0406028-12 5X	T	TRACE	06/14/04	13:36	SW	S	CONC
67	0406028-13 5X	T	TRACE	06/14/04	13:38	SW	S	CONC
68	0406028-14 5X	T	TRACE	06/14/04	13:41	SW	S	CONC
69	0406028-15 5X	T	TRACE	06/14/04	13:43	SW	S	CONC
70	0406028-16 5X	T	TRACE	06/14/04	13:46	SW	S	CONC
71	0406028-17 5X	T	TRACE	06/14/04	13:48	SW	S	CONC
72	0406028-18 5X	T	TRACE	06/14/04	13:51	SW	S	CONC
73	CCV	T	TRACE	06/14/04	13:53	SW	Q	CONC
74	CCB	T	TRACE	06/14/04	13:56	SW	B	CONC
75	0406028-19 5X	T	TRACE	06/14/04	13:58	SW	S	CONC
76	0406028-20 5X	T	TRACE	06/14/04	14:01	SW	S	CONC
77	0406028-20D 5X	T	TRACE	06/14/04	14:04	SW	S	CONC
78	0406028-20L 25X	T	TRACE	06/14/04	14:06	SW	S	CONC
79	0406028-20MS 5X	T	TRACE	06/14/04	14:09	SW	S	CONC
80	0406028-20MSD 5X	T	TRACE	06/14/04	14:11	SW	S	CONC
81	IP040611-2MB	T	TRACE	06/14/04	14:14	SW	S	CONC
82	IP040611-2LCS	T	TRACE	06/14/04	14:16	SW	S	CONC
83	0406030-1 5X	As,Pb T	TRACE	06/14/04	14:19	SW	S	CONC
84	0406030-2 5X	T	TRACE	06/14/04	14:21	SW	S	CONC
85	CCV	T	TRACE	06/14/04	14:24	SW	Q	CONC
86	CCB	T	TRACE	06/14/04	14:26	SW	B	CONC
87	0406030-3 5X	T	TRACE	06/14/04	14:29	SW	S	CONC
88	0406030-4 5X	T	TRACE	06/14/04	14:31	SW	S	CONC
89	0406030-5 5X	T	TRACE	06/14/04	14:34	SW	S	CONC
90	0406030-6 5X	T	TRACE	06/14/04	14:36	SW	S	CONC
91	0406030-7 5X	T	TRACE	06/14/04	14:39	SW	S	CONC
92	0406030-8 5X	T	TRACE	06/14/04	14:41	SW	S	CONC
93	0406030-9 5X	T	TRACE	06/14/04	14:44	SW	S	CONC
94	0406030-10 5X	T	TRACE	06/14/04	14:46	SW	S	CONC
95	0406030-11 5X	T	TRACE	06/14/04	14:49	SW	S	CONC
96	0406030-12 5X	T	TRACE	06/14/04	14:51	SW	S	CONC
97	CCV	T	TRACE	06/14/04	14:54	SW	Q	CONC
98	CCB	T	TRACE	06/14/04	14:57	SW	B	CONC
99	0406030-13 5X	T	TRACE	06/14/04	14:59	SW	S	CONC
100	0406030-14 5X	T	TRACE	06/14/04	15:02	SW	S	CONC
101	0406030-15 5X	T	TRACE	06/14/04	15:04	SW	S	CONC
102	0406030-16 5X	T	TRACE	06/14/04	15:07	SW	S	CONC
103	0406030-17 5X	T	TRACE	06/14/04	15:09	SW	S	CONC
104	0406030-18 5X	T	TRACE	06/14/04	15:12	SW	S	CONC
105	0406030-18D 5X	T	TRACE	06/14/04	15:14	SW	S	CONC
106	0406030-18L 25X	T	TRACE	06/14/04	15:17	SW	S	CONC
107	0406030-18MS 5X	T	TRACE	06/14/04	15:19	SW	S	CONC
108	0406030-18MSD 5X	T	TRACE	06/14/04	15:22	SW	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
109	CCV	T	TRACE	06/14/04	15:24	SW	Q	CONC
110	CCB	T	TRACE	06/14/04	15:27	SW	B	CONC
111	0406030-19 5X As, Pb	T	TRACE	06/14/04	15:29	SW	S	CONC
112	0406030-20 5X	T	TRACE	06/14/04	15:32	SW	S	CONC
113	0406030-18A 5X Pb	T	TRACE	06/14/04	15:36	SW	S	CONC
114	IP040611-3MB	T	TRACE	06/14/04	15:39	SW	S	CONC
115	IP040611-3LCS	T	TRACE	06/14/04	15:41	SW	S	CONC
116	0406031-1 5X As, Pb	T	TRACE	06/14/04	15:44	SW	S	CONC
117	0406031-2 5X	T	TRACE	06/14/04	15:46	SW	S	CONC
118	0406031-3 5X	T	TRACE	06/14/04	15:49	SW	S	CONC
119	0406031-4 5X	T	TRACE	06/14/04	15:51	SW	S	CONC
120	0406031-5 5X	T	TRACE	06/14/04	15:54	SW	S	CONC
121	CCV	T	TRACE	06/14/04	15:56	SW	Q	CONC
122	CCB	T	TRACE	06/14/04	15:59	SW	B	CONC
123	0406031-6 5X	T	TRACE	06/14/04	16:04	SW	S	CONC
124	0406031-7 5X	T	TRACE	06/14/04	16:06	SW	S	CONC
125	0406031-8 5X	T	TRACE	06/14/04	16:09	SW	S	CONC
126	0406031-9 5X	T	TRACE	06/14/04	16:11	SW	S	CONC
127	0406031-10 5X	T	TRACE	06/14/04	16:14	SW	S	CONC
128	0406031-11 5X	T	TRACE	06/14/04	16:16	SW	S	CONC
129	0406031-12 5X	T	TRACE	06/14/04	16:19	SW	S	CONC
130	0406031-13 5X	T	TRACE	06/14/04	16:21	SW	S	CONC
131	0406031-14 5X	T	TRACE	06/14/04	16:24	SW	S	CONC
132	0406031-15 5X	T	TRACE	06/14/04	16:26	SW	S	CONC
133	CCV	T	TRACE	06/14/04	16:29	SW	Q	CONC
134	CCB	T	TRACE	06/14/04	16:32	SW	B	CONC
135	0406031-16 5X	T	TRACE	06/14/04	16:34	SW	S	CONC
136	0406031-17 5X	T	TRACE	06/14/04	16:37	SW	S	CONC
137	0406031-17D 5X	T	TRACE	06/14/04	16:39	SW	S	CONC
138	0406031-17L 25X	T	TRACE	06/14/04	16:42	SW	S	CONC
139	0406031-17MS 5X	T	TRACE	06/14/04	16:44	SW	S	CONC
140	0406031-17MSD 5X	T	TRACE	06/14/04	16:47	SW	S	CONC
141	0406031-18 5X	T	TRACE	06/14/04	16:49	SW	S	CONC
142	0406031-19 5X	T	TRACE	06/14/04	16:52	SW	S	CONC
143	0406031-20 5X	T	TRACE	06/14/04	16:54	SW	S	CONC
144	0406031-17A 5X Pb	T	TRACE	06/14/04	16:57	SW	S	CONC
145	CCV	T	TRACE	06/14/04	17:00	SW	Q	CONC
146	CCB	T	TRACE	06/14/04	17:02	SW	B	CONC
147	IP040614-1MB Be	T	TRACE	06/14/04	17:06	SW	S	CONC
148	IP040614-1LCS	T	TRACE	06/14/04	17:09	SW	S	CONC
149	IP040614-1LCSD	T	TRACE	06/14/04	17:12	SW	S	CONC
150	0406092-1	T	TRACE	06/14/04	17:14	SW	S	CONC
151	0406092-2	T	TRACE	06/14/04	17:17	SW	S	CONC
152	0406092-3	T	TRACE	06/14/04	17:19	SW	S	CONC
153	PB/BA WASTE 50X Not reported	T	TRACE	06/14/04	17:22	SW	S	CONC
154	CRI	T	TRACE	06/14/04	17:24	SW	S	CONC
155	ICSA	T	TRACE	06/14/04	17:27	SW	Q	CONC
156	ICSAB	T	TRACE	06/14/04	17:33	SW	Q	CONC
157	CCV	T	TRACE	06/14/04	17:36	SW	Q	CONC
158	CCB	T	TRACE	06/14/04	17:38	SW	B	CONC

#	Element	MIXBHIGH	MIXAHIGH	ICV	ICB	CRI	ICSA
1	Al	.06117	490.63	23.974	-.01634	.41814	475.41
2	Sb	2.0056	.01278	.24902	-.00140	.12205	.00236
3	As	10.019	.00581	.24741	-.00165	.01019	.00053
4	Ba	9.8862	.00345	.24271	-.00027	.39404	.00027
5	Be	10.059	.00345	.25170	.00014	.01028	.00082
6	Cd	10.042	-.00107	.24390	.00035	.01033	-.00300
7	Ca	.02202	500.10	24.993	.00422	9.5641	501.90
8	Cr	9.9805	.00789	.24533	-.00029	.01957	-.00037
9	Co	10.024	.00628	.24161	-.00038	.09936	.00315
10	Cu	9.9613	.00824	.25133	.00063	.05179	-.00189
11	Fe	-.01555	199.06	10.063	-.00466	.17357	202.49
12	Pb	10.023	.00068	.24861	.00081	.00726	-.00119
13	Mg	-.03935	501.20	25.147	-.00758	9.8175	510.22
14	Mn	9.9687	.00981	.24720	.00010	.03082	.00788
15	Ni	10.025	.00538	.23927	-.00006	.07981	.00221
16	K_	.26177	97.444	9.7096	.44498	8.8082	.15470
17	Se	10.017	.00942	.24318	-.00085	.01188	.00814
18	Ag	1.9812	.00464	.23979	.00015	.01895	-.00018
19	Na	.09076	99.177	9.6922	.07199	8.6076	.10558
20	Tl	10.021	.02035	.24532	.00067	.02197	-.00463
21	V_	9.9705	.00692	.25622	-.00154	.10412	.00395
22	Zn	10.050	.01449	.24487	-.00177	.04118	.01057

#	Element	ICSAB	CCV	CCB	IPO'-4MB	IPO'4LCS	IPO'LCSD
					-.0611	→	→
1	Al	467.38	48.281	.01744	-.01231	2.4447	2.4247
2	Sb	.60455	.51262	-.00108	-.00330	.49834	.49572
3	As	.09241	.49810	-.00119	-.00256	1.9922	1.9810
4	Ba	.47098	.49124	-.00027	-.00040	1.8623	1.8345
5	Be	.46314	.50556	.00012	.00000	.04902	.04887
6	Cd	.84748	.48063	.00040	.00021	.13986	.13899
7	Ca	494.35	50.506	.02666	.00688	37.118	36.958
8	Cr	.44438	.49311	.00011	-.00033	.18639	.18467
9	Co	.43847	.47954	-.00047	-.00041	.46228	.45769
10	Cu	.52523	.51115	.00046	.00009	.24410	.24118
11	Fe	200.10	20.468	.01843	.00909	.87430	.85356
12	Pb	.04444	.49403	.00094	.00099	.57643	.57384
13	Mg	504.12	50.600	.00751	-.01234	37.322	37.303
14	Mn	.46641	.49393	.00004	-.00008	.47344	.46903
15	Ni	.84204	.47372	.00015	-.00003	.46023	.45497
16	K_	.21053	19.686	.46514	.47645	34.893	34.964
17	Se	.05084	.48919	.00238	.00068	2.0073	2.0364
18	Ag	.20465	.49848	.00029	.00003	.06791	.06704
19	Na	.11738	19.789	.07468	.07232	34.285	34.382
20	Tl	.08395	.49390	.00314	-.00217	1.9297	1.9280
21	V_	.47963	.50921	-.00081	-.00057	.47597	.46985
22	Zn	.87119	.48644	-.00123	-.00104	.47093	.46469

#	Element	040'55-3	040'55-4	040'55-5	040'55-6	040'55-7	040'55-8
		-055	→				
1	Al	78.588	68.110	67.518	65.928	92.140	97.704
2	Sb	.00424	.00496	-.00158	.00401	.00356	.00686
3	As	.05817	.04987	.01538	.04427	.02364	.02658
4	Ba	1.0690	1.1306	1.1639	1.0644	2.8335	1.7846
5	Be	.00616	.00503	.00524	.00497	.00838	.00820
6	Cd	-.00100	.00099	-.00098	-.00025	.00865	-.00064
7	Ca	10.722	10.368	15.860	9.4294	34.318	36.192
8	Cr	.11102	.09184	.10774	.09286	.13633	.14446
9	Co	.07695	.07083	.04169	.06050	.43186	.06962
10	Cu	.10214	.10620	.11306	.08919	.20957	.17720
11	Fe	143.11	131.48	76.644	123.70	125.14	147.14
12	Pb	.21242	.15842	.10979	.16290	.21081	.13334
13	Mg	14.026	15.973	17.072	13.232	32.245	34.532
14	Mn	6.9955	9.6503	.70300	5.2254	H29.571	3.2949
15	Ni	.11580	.14065	.10706	.11181	.47868	.16671
16	K_	8.4346	7.1213	6.8771	6.5501	6.9747	7.1320
17	Se	.01161	.01017	.00676	.00316	.01320	.00396
18	Ag	-.00112	.00031	-.00119	-.00051	.00039	-.00005
19	Na	.33592	.56738	.69562	.32445	.73577	.74030
20	Tl	.00513	.00648	-.00028	.00111	-.00101	.00619
21	V_	.22870	.17686	.14843	.18237	.17884	.16241
22	Zn	.47141	.55978	.57791	.51486	1.0140	.96456

#	Element	040'55-9	CCV	CCB	040'5-9D	040'L 5X	040'-9MS
		-055			-055	→	
1	Al	83.354	47.286	.01614	89.325	16.313	130.15
2	Sb	.00045	.50228	.00190	.00611	-.00024	.20291
3	As	.05583	.48926	-.00194	.06368	.00984	1.8995
4	Ba	1.0085	.47313	-.00012	1.0381	.19951	2.8241
5	Be	.00535	.49440	.00009	.00605	.00108	.05169
6	Cd	-.00217	.47074	.00029	-.00270	.00005	.12793
7	Ca	15.659	49.624	.02466	16.555	3.0787	49.321
8	Cr	.11170	.48237	.00034	.12167	.02292	.31024
9	Co	.09854	.47177	.00004	.09874	.02010	.54669
10	Cu	.10675	.49634	.00054	.11371	.02045	.34891
11	Fe	154.97	20.043	.02667	172.11	28.566	162.35
12	Pb	.24163	.48370	-.00004	.23643	.05031	.75543
13	Mg	13.859	49.727	.01192	15.147	2.8154	52.389
14	Mn	8.9549	.48175	.00119	8.4821	1.7929	H10.097
15	Ni	.11149	.46127	-.00005	.12079	.02261	.55357
16	K_	7.9700	19.489	.46031	8.5517	1.8214	44.763
17	Se	.00909	.48155	.00085	.00966	.00437	1.8695
18	Ag	-.00099	.48474	.00093	-.00039	.00003	.06514
19	Na	.37961	19.463	.07334	.37743	.12875	35.871
20	Tl	-.00060	.49160	.00047	.00351	-.00035	1.8135
21	V_	.22903	.49927	-.00081	.24247	.04609	.72351
22	Zn	.51595	.47838	-.00092	.56190	.10327	.99515

#	Element	040'9MSD	040'5-10	040'5-11	040'7-19	040'7-21	040'7-23
		-055	→	→	-097	→	→
1	Al	143.24	75.633	75.442	29.271	42.359	26.436
2	Sb	.21353	.00176	.00404	.00532	.00622	.00489
3	As	1.8917	.05014	.04721	.63826	.77764	.23932
4	Ba	2.8890	1.0641	1.5126	1.5618	2.3001	.15068
5	Be	.05152	.00540	.00829	.03859	.04572	.00571
6	Cd	.12530	-.00062	.00380	.00464	.00475	-.00199
7	Ca	50.267	12.370	34.106	27.968	45.846	.66955
8	Cr	.31392	.11549	.12354	.14001	.17007	.09979
9	Co	.54186	.05992	.07576	.00916	.01034	.00408
10	Cu	.36273	.09704	.20407	.39961	.53926	.10767
11	Fe	178.66	136.68	143.36	184.95	H251.46	167.39
12	Pb	.74588	.17026	.12727	4.1771	5.6746	1.0966
13	Mg	53.267	15.821	28.937	L-3.1533	L-3.1358	-.12969
14	Mn	H11.113	5.1795	4.2589	H17.782	H21.315	2.2183
15	Ni	.55593	.12297	.16499	.01079	.01312	.00607
16	K_	45.666	7.6217	7.3180	2.4465	3.9393	2.0474
17	Se	1.8610	.00680	.01287	L-1.8722	L-2.3053	L-.47791
18	Ag	.06450	-.00059	.00066	.00679	.01071	.01242
19	Na	35.861	1.3408	.89251	2.1553	3.3945	.67551
20	Tl	1.7858	.00566	.00442	L-.10190	L-.13211	L-.02220
21	V_	.73839	.19525	.16339	.09611	.12489	.05929
22	Zn	1.0503	.52243	.91868	2.9835	3.3220	.38472

-055 SW 6/17/04

#	Element	040'7-28	CCV	CCB	040'7 5X	040'9 ~~5X~~ 2X	040'D ~~5X~~ 2X
		-097			7	9	9D
1	Al	17.810	47.331	.01692	22.234	41.044	44.158
2	Sb	.00073	.50366	-.00037	.00257	.00023	.00094
3	As	.10162	.49357	-.00024	.00549	.02898	.02907
4	Ba	1.3843	.47488	-.00011	.69485	.50123	.52171
5	Be	.04488	.49339	.00010	.00191	.00266	.00295
6	Cd	.00551	.47001	.00027	.00225	-.00080	-.00101
7	Ca	31.551	49.611	.02741	7.6912	7.8035	8.2065
8	Cr	.16646	.48366	.00007	.03389	.05722	.06090
9	Co	.00521	.47206	-.00004	.10687	.04986	.04947
10	Cu	.43567	.49811	.00005	.04663	.05152	.05576
11	Fe	123.76	19.994	.03091	28.744	74.513	81.968
12	Pb	5.2909	.48448	.00095	.04977	.12237	.12089
13	Mg	L-5.7227	49.657	.00310	7.3983	7.0182	7.5872
14	Mn	H15.781	.48201	.00168	6.9942	4.4827	4.2295
15	Ni	.01405	.46333	-.00002	.11544	.05606	.06156
16	K_	1.8274	19.576	.44494	1.6828	4.0335	4.3047
17	Se	L-1.8489	.48219	.00238	.00243	.00377	.00529
18	Ag	-.01321	.48520	.00026	.00049	.00040	-.00018
19	Na	4.3821	19.553	.07360	.19000	.20768	.21951
20	Tl	L-.09958	.49579	.00167	.00293	.00449	-.00081
21	V_	.08636	.49911	-.00081	.04650	.11575	.12160
22	Zn	3.2306	.47892	-.00092	.23557	.25871	.28179

- 055 - 097

SW 6/17/04

#	Element	040' ~~25X~~ 10 9L	040'S ~~5X~~ 2 9MS	040'D ~~5X~~ 2 9MSD	040'9 2X 19	040'1 3X 21	040'8 2X 28
1	Al	8.2071	64.491	71.258	14.831	13.858	8.9325
2	Sb	.00005	.10113	.10555	.00238	.00071	.00108
3	As	.00362	.95726	.95823	.32139	.26220	.04875
4	Ba	.09969	1.4202	1.4558	.79363	.76649	.69205
5	Be	.00050	.02612	.02634	.01969	.01563	.02307
6	Cd	.00009	.06569	.06552	.00298	.00215	.00308
7	Ca	1.5312	24.594	25.394	14.179	15.470	15.936
8	Cr	.01175	.15757	.16116	.07100	.05833	.08425
9	Co	.00993	.27728	.27779	.00415	.00381	.00193
10	Cu	.01038	.17222	.18024	.20559	.18029	.22160
11	Fe	13.943	78.287	86.895	89.636	78.448	60.438
12	Pb	.02518	.38895	.38245	2.1433	1.9379	2.6915
13	Mg	1.4135	26.261	27.027	L-1.6273	L-1.1095	L-2.9916
14	Mn	.89575	5.0651	5.6260	8.9569	7.1239	7.9583
15	Ni	.01195	.28372	.28793	.00470	.00501	.00693
16	K_	1.1526	22.213	22.683	1.3720	1.5142	1.1104
17	Se	.00080	.93794	.94284	L-.97390	L-.80906	L-.95487
18	Ag	.00039	.03264	.03276	.00480	.00326	-.00278
19	Na	.10860	17.850	17.858	1.1373	1.1147	2.2163
20	Tl	.00215	.91431	.92202	L-.05512	L-.04487	L-.04871
21	V_	.02332	.36699	.37703	.04983	.04251	.04526
22	Zn	.05576	.50752	.54328	1.5352	1.1597	1.6723

- 055

#	Element	040'5-9A 9A	CCV	CCB	CRI	ICSA	ICSAB
1	Al	82.276	47.374	-.00267	.40967	467.74	461.81
2	Sb	1.0209	.50243	-.00416	.11795	.00415	.58811
3	As	1.0682	.48749	-.00147	.01054	.00121	.09587
4	Ba	.98725	.47418	-.00019	.38379	.00042	.45724
5	Be	1.0063	.49095	.00006	.01005	.00077	.45925
6	Cd	.95050	.46699	.00034	.01024	-.00231	.83616
7	Ca	16.341	49.526	.01863	9.4729	499.97	494.85
8	Cr	1.0734	.48240	.00024	.01986	.00131	.44437
9	Co	1.0598	.47008	-.00028	.09877	.00346	.43623
10	Cu	1.1113	.49623	.00059	.05081	-.00048	.51587
11	Fe	153.26	19.967	.02987	.18686	199.94	198.26
12	Pb	1.2187	.48324	.00118	.00756	-.00132	.04123
13	Mg	14.606	49.584	-.00201	9.7225	509.87	504.44
14	Mn	9.7407	.47989	.00110	.03035	.00822	.45846
15	Ni	1.0521	.45948	.00018	.07870	.00480	.82881
16	K_	7.9004	19.600	.46351	8.7055	.23468	.24290
17	Se	1.0683	.48482	.00031	.00866	.00431	.05472
18	Ag	-.00056	.48296	-.00013	.01993	.00121	.20377
19	Na	.36354	19.559	.07088	8.4772	.10775	.11309
20	Tl	.98818	.49204	.00265	.02067	.00086	.09192
21	V_	1.2059	.49797	-.00048	.10288	.00472	.47499
22	Zn	1.4746	.47626	-.00080	.04058	.01310	.87192

#	Element	CCV	CCB	IP0'-1MB	IP0'1LCS	040'1 5X	040'2 5X
				-0611	→	1	2
1	Al	47.604	.01199	-.02153	1.8449	12.314	13.713
2	Sb	.49984	-.00059	-.00460	.48464	.00348	-.00195
3	As	.49522	-.00230	-.00352	1.9549	.06501	.07794
4	Ba	.47450	-.00015	-.00033	1.8320	.22818	.32530
5	Be	.49380	.00013	-.00010	.04936	.00085	.00087
6	Cd	.46999	.00036	.00004	.04836	.00234	.00214
7	Ca	49.951	.03253	.01947	L.01835	10.860	13.221
8	Cr	.48642	.00037	-.00010	.19146	.04970	.05305
9	Co	.47410	-.00011	-.00062	.47741	.00969	.00922
10	Cu	.49823	.00073	.00016	.24274	.03036	.03498
11	Fe	20.129	.02891	.07279	.89217	24.834	26.431
12	Pb	.48414	.00142	.00112	.48612	.28125	.28887
13	Mg	49.982	.01359	-.01813	L-.02244	4.7128	5.0664
14	Mn	.48119	.00098	.00036	.47544	.46606	.49869
15	Ni	.46084	.00047	-.00021	.47570	.01621	.01877
16	K_	19.693	.49154	.39850	L.37238	3.9524	4.2530
17	Se	.48461	.00057	.00213	1.9592	.00223	.00161
18	Ag	.48433	.00053	-.00089	L-.00035	.00140	.00037
19	Na	19.640	.07318	.07296	L.07891	.21524	.36832
20	Tl	.49333	.00314	.00089	1.9254	.00467	.00192
21	V_	.50090	-.00089	-.00105	.47564	.04434	.04700
22	Zn	.48050	-.00104	.00328	.48014	.26789	.27164

#	Element	040'3 5X	040'4 5X	040'5 5X	040'6 5X	040'7 5X	040'8 5X
		3	4	5	6	7	8
1	Al	13.208	14.020	13.021	14.206	14.237	12.756
2	Sb	-.00037	-.00058	-.00020	.00050	.00260	.00076
3	As	.06323	.00897	.00626	.00644	.03850	.04798
4	Ba	.34656	.34470	.26937	.35311	.21511	.19497
5	Be	.00087	.00101	.00084	.00100	.00093	.00081
6	Cd	.00234	.00174	.00142	.00165	.00145	.00149
7	Ca	16.286	9.9163	6.8391	12.546	6.3362	6.2241
8	Cr	.05160	.02889	.02763	.02407	.03064	.03317
9	Co	.01114	.00986	.00903	.00903	.01006	.00906
10	Cu	.03562	.05360	.04834	.04877	.03284	.02834
11	Fe	25.778	34.331	28.342	28.848	27.518	24.608
12	Pb	.35915	.23017	.20382	.20732	.12176	.15679
13	Mg	5.2409	4.5625	4.2370	4.9459	5.1322	4.3663
14	Mn	.50244	.73640	.53895	.66851	.48821	.46815
15	Ni	.01887	.02039	.01726	.01782	.01788	.01567
16	K_	4.2358	4.7277	4.3723	4.5802	4.6853	3.7469
17	Se	-.00116	.00343	.00220	.00295	-.00036	.00006
18	Ag	.00019	.00063	-.00011	.00090	.00075	.00046
19	Na	.65820	.37409	.24418	.39172	.17905	.18307
20	Tl	.00205	.00292	.00108	.00262	.00275	.00155
21	V_	.04709	.04451	.04401	.04634	.04717	.04185
22	Zn	.29043	.79715	.47632	.66736	.18291	.16795

028

#	Element	CCV	CCB	040'9 5X	040'0 5X	040'1 5X	040'2 5X
				9	10	11	12
1	Al	47.308	.00688	13.523	6.3102	6.8153	5.2642
2	Sb	.49954	-.00186	.00301	-.00017	-.00235	.00126
3	As	.49146	-.00032	.07449	.00359	.00402	.00417
4	Ba	.46987	-.00010	.19404	.11087	.14962	.09406
5	Be	.49303	.00011	.00089	.00042	.00045	.00036
6	Cd	.46903	.00044	.00177	.00111	.00130	.00093
7	Ca	49.798	.03244	5.9250	7.8367	12.247	7.7975
8	Cr	.48464	.00151	.03068	.01871	.02217	.01578
9	Co	.47358	.00019	.00959	.00494	.00549	.00449
10	Cu	.49341	.00096	.03341	.04096	.05310	.04326
11	Fe	20.085	.03485	26.076	14.275	15.970	13.114
12	Pb	.48210	.00094	.20527	.05681	.07356	.04220
13	Mg	49.940	.01905	4.7093	3.0735	2.9034	2.9688
14	Mn	.47995	.00073	.47548	.27210	.30898	.23717
15	Ni	.46105	.00062	.01700	.00846	.00910	.00738
16	K_	19.510	.52448	4.4964	3.0617	2.8139	2.8494
17	Se	.48437	.00207	.00270	.00205	-.00130	.00150
18	Ag	.48171	.00073	.00073	.00043	.00049	.00122
19	Na	19.448	.07495	.17846	.58635	.25089	.29082
20	Tl	.49285	.00265	.00344	.00045	-.00141	.00282
21	V_	.49944	-.00014	.04418	.02625	.03001	.02341
22	Zn	.48183	-.00117	.22560	.12251	.13482	.11171

-028

#	Element	040'3 5X	040'4 5X	040'5 5X	040'6 5X	040'7 5X	040'8 5X
		13	14	15	16	17	18
1	Al	11.315	12.669	12.224	11.047	11.357	11.461
2	Sb	.00029	-.00041	.00023	.00135	.00079	.00195
3	As	.00987	.01365	.01232	.00907	.00807	.00979
4	Ba	.17935	.17648	.19483	.24832	.17340	1.4287
5	Be	.00072	.00081	.00084	.00072	.00075	.00136
6	Cd	.00165	.00159	.00155	.00282	.00186	.00228
7	Ca	9.6965	6.3404	5.5690	5.4099	5.1720	5.2204
8	Cr	.02455	.02610	.02595	.03983	.05150	.03941
9	Co	.00881	.00951	.00882	.00846	.01044	.01449
10	Cu	.02796	.02956	.03049	.02757	.03341	.03024
11	Fe	24.082	25.275	27.115	26.118	39.394	24.786
12	Pb	.13214	.16200	.20830	.17721	.11810	.19898
13	Mg	3.9465	4.1137	3.9389	3.7291	3.7641	3.7992
14	Mn	.40867	.44899	.44194	.42966	.45156	5.2487
15	Ni	.01544	.01594	.01551	.01461	.01815	.01690
16	K_	4.1589	4.2640	4.2016	3.7624	3.8769	3.9456
17	Se	.00042	.00031	-.00136	-.00063	.00074	.00308
18	Ag	.00050	.00095	.00072	.00062	.00061	-.00358
19	Na	.19772	.16176	.16731	.14870	.15401	.18205
20	Tl	.00179	.00054	.00162	.00130	.00174	-.00348
21	V_	.04384	.04409	.04609	.04551	.04634	.05705
22	Zn	.21636	.19704	.20314	.28076	.18116	.19752

#	Element	CCV	CCB	040'9 5X	040'0 5X	040'D 5X	040' 25X
				-028			
				19	20	20D	20L
1	Al	47.301	-.00015	10.798	10.906	10.539	2.1795
2	Sb	.48465	.00456	-.00091	.00153	-.00096	.00014
3	As	.49183	.00069	.00670	.00503	.00876	-.00116
4	Ba	.46415	.00008	.18480	.17879	.18383	.03549
5	Be	.49314	.00017	.00078	.00088	.00078	.00011
6	Cd	.46395	.00070	.00221	.00606	.00566	.00150
7	Ca	49.606	.03710	11.182	7.6601	6.8495	1.4822
8	Cr	.48300	.00108	.03196	.02897	.02813	.00568
9	Co	.47123	.00074	.00972	.01034	.00948	.00192
10	Cu	.49252	.00210	.03135	.03323	.02714	.00727
11	Fe	20.004	.03841	25.925	25.616	24.965	4.8373
12	Pb	.48151	.00117	.14824	.16619	.16474	.03300
13	Mg	49.863	.02566	4.5108	4.3615	3.9775	.86747
14	Mn	.47946	.00090	.51217	.55129	.46013	.11034
15	Ni	.45353	.00076	.01460	.01492	.01751	.00257
16	K_	19.460	.55909	4.0664	4.0603	3.9170	1.2167
17	Se	.48083	.00127	.00195	.00143	.00031	-.00057
18	Ag	.47991	.00197	.00064	.00111	.00108	.00093
19	Na	19.351	.07652	.19337	.21276	.21388	.09653
20	Tl	.48410	.00150	.00035	.00219	.00208	.00160
21	V_	.49561	.00000	.04443	.04343	.04268	.00811
22	Zn	.48310	-.00110	.25478	.27085	.28505	.05299

#	Element	040'S 5X	040'D 5X	IP0'-2MB	IP0'2LCS	040'1 5X	040'2 5X
		-028				-030	
		MS	MSD	-064	→	1	2
1	Al	15.356	15.157	-.03461	1.8127	9.8072	8.2949
2	Sb	.03379	.03663	-.00433	.47207	.00237	.00036
3	As	.38754	.38835	-.00164	1.9201	.00864	.00635
4	Ba	.53919	.53068	-.00022	1.7989	.19218	.16935
5	Be	.01070	.01071	-.00010	.04961	.00071	.00056
6	Cd	.01554	.02281	.00005	.04847	.00274	.00289
7	Ca	7.7895	7.3276	.01553	L.01077	5.1798	4.5237
8	Cr	.06971	.06914	.00057	.19452	.02309	.02227
9	Co	.10405	.10509	-.00017	.48182	.00820	.00724
10	Cu	.07845	.07711	.00066	.24425	.03323	.03302
11	Fe	28.995	27.309	.02069	.92246	21.104	19.180
12	Pb	.25620	.25228	-.00079	.48916	.17429	.18023
13	Mg	4.8379	4.6929	-.02380	L-.02074	3.2866	2.8330
14	Mn	.61090	.60250	.00036	.48041	.40403	.37605
15	Ni	.10837	.10805	.00045	.47533	.01532	.01206
16	K_	4.6084	4.5765	.44901	L.49397	4.1978	3.5647
17	Se	.37599	.38101	.00023	1.8838	.00155	-.00034
18	Ag	.00018	.00059	-.00007	L.00083	.00110	.00065
19	Na	.23267	.23211	.07122	L.07674	.25057	.20130
20	Tl	.37886	.38663	.00314	1.9114	.00396	-.00260
21	V_	.14144	.14111	-.00105	.48192	.03427	.03310
22	Zn	.38242	.35864	.00087	.50825	.36808	.26559

-030

#	Element	CCV	CCB	040'3 5X	040'4 5X	040'5 5X	040'6 5X
				3	4	5	6
1	Al	47.648	-.00429	8.3041	14.335	7.3092	13.386
2	Sb	.49198	.00117	.00333	.00092	.00092	.00110
3	As	.49098	-.00008	.18696	.01595	.14274	.01685
4	Ba	.46694	-.00008	.17252	.21389	.12402	.21369
5	Be	.49442	.00014	.00053	.00091	.00048	.00085
6	Cd	.46489	.00046	.00521	.00192	.00560	.00215
7	Ca	49.724	.03720	4.2167	8.2611	4.3951	9.4573
8	Cr	.48376	.00046	.05521	.02880	.06651	.03594
9	Co	.47192	.00004	.00884	.01009	.00615	.01003
10	Cu	.49533	.00149	.12123	.03511	.02365	.03778
11	Fe	20.042	.03155	79.135	25.143	16.062	24.675
12	Pb	.48402	.00087	.37592	.19242	.84851	.20270
13	Mg	49.995	.02291	2.8658	4.7574	2.7859	4.4506
14	Mn	.48037	.00065	.49197	.50309	.32362	.51847
15	Ni	.45540	.00030	.03165	.01956	.01024	.02259
16	K_	19.595	.50030	2.3601	4.7755	2.1917	4.5596
17	Se	.48123	-.00014	.00287	.00191	-.00009	-.00082
18	Ag	.48247	.00097	.00001	.00021	.00177	.00089
19	Na	19.461	.07484	.20465	.18991	.17387	.19871
20	Tl	.48910	.00134	.00282	.00086	.00086	.00416
21	V_	.49789	-.00057	.03185	.04401	.02675	.06170
22	Zn	.48177	-.00123	.63488	.22065	.20646	.23799

-030

#	Element	040'7 5X	040'8 5X	040'9 5X	040'0 5X	040'1 5X	040'2 5X
		7	8	9	10	11	12
1	Al	12.859	12.284	8.1887	8.5370	8.5691	9.3474
2	Sb	-.00163	-.00022	-.00002	.00171	-.00133	.00044
3	As	.02138	.01822	.00525	.00684	.00733	.01865
4	Ba	.22141	.21239	.17758	.17373	.18577	.23186
5	Be	.00081	.00075	.00058	.00061	.00060	.00069
6	Cd	.00197	.00216	.00242	.00272	.00346	.00319
7	Ca	7.7946	8.9188	8.3849	8.5042	9.1327	8.0379
8	Cr	.02580	.09343	.02362	.01812	.01928	.02678
9	Co	.00968	.00932	.00714	.00678	.00694	.00790
10	Cu	.04230	.05490	.02905	.02846	.03189	.04069
11	Fe	24.307	24.364	19.931	17.637	18.780	20.040
12	Pb	.19691	.20519	.15930	.16518	.18027	.35959
13	Mg	4.4172	4.2453	3.3145	3.3090	3.3814	3.2778
14	Mn	.52594	.50762	.43425	.36077	.41238	.40456
15	Ni	.01954	.04265	.01227	.01152	.01263	.01250
16	K_	4.4273	4.3558	3.3341	3.3641	3.5069	3.5647
17	Se	.00107	.00107	-.00015	-.00003	.00190	-.00030
18	Ag	.00079	.00032	.00020	.00094	.00056	.00162
19	Na	.20352	.29741	.21576	.24952	.22621	.45070
20	Tl	-.00254	-.00113	.00000	.00070	.00126	.00313
21	V_	.04359	.15460	.03568	.03009	.03251	.03377
22	Zn	.25279	.21588	.21920	.25460	.27375	.32568

#	Element	CCV	CCB	040'3 5X	040'4 5X	040'5 5X	040'6 5X
				13	14	15	16
1	Al	47.748	-.00948	8.7809	8.3571	9.9074	10.009
2	Sb	.49452	-.00096	.00143	-.00003	.00036	.00082
3	As	.49194	-.00172	.01461	.00903	.03987	.06393
4	Ba	.46680	-.00009	.26924	.30650	.18133	.17162
5	Be	.49497	.00014	.00069	.00062	.00068	.00072
6	Cd	.46678	.00047	.00355	.00419	.00402	.00412
7	Ca	49.999	.03767	8.3496	5.9795	5.1275	5.1980
8	Cr	.48630	.00038	.02958	.02275	.03693	.03739
9	Co	.47397	.00011	.00694	.00633	.00819	.00901
10	Cu	.49379	.00156	.04164	.03914	.03364	.03419
11	Fe	20.132	.03217	21.014	18.447	22.304	22.897
12	Pb	.48103	.00047	.48776	.38764	.14202	.15469
13	Mg	50.263	.02327	3.0523	2.7360	3.6197	3.5968
14	Mn	.48204	.00063	.42725	.36612	.41626	.41654
15	Ni	.45656	.00039	.01245	.01174	.01291	.01436
16	K_	19.608	.47563	3.4714	3.2037	3.7742	3.9074
17	Se	.48491	.00261	-.00034	-.00174	.00189	-.00058
18	Ag	.48252	.00024	.00035	.00127	.00082	.00120
19	Na	19.500	.07444	.82050	.38690	.19326	.18788
20	Tl	.48414	.00134	.00148	.00096	.00173	.00322
21	V_	.49992	-.00005	.03285	.02918	.03718	.03810
22	Zn	.48516	-.00117	.44410	.37824	.24457	.23853

#	Element	040'7 5X	040'8 5X	040'D 5X	040' 25X	040'S 5X	040'D 5X
		17	18	18D	18L	18MS	18MSD
1	Al	10.465	9.5669	9.8757	1.8957	12.352	13.382
2	Sb	.00047	.00020	-.00004	-.00403	.03535	.03797
3	As	.05470	.01111	.01281	.00118	.38544	.39190
4	Ba	.18036	.17435	.19426	.03417	.50875	.51969
5	Be	.00074	.00077	.00078	.00005	.01048	.01065
6	Cd	.00479	.00242	.00199	.00052	.01108	.01114
7	Ca	5.5543	8.1644	8.3144	1.5705	7.2416	6.7258
8	Cr	.03440	.01949	.02005	.00341	.05818	.05833
9	Co	.00847	.00699	.00729	.00084	.10000	.10146
10	Cu	.03307	.06307	.06235	.01316	.10356	.10331
11	Fe	22.084	17.971	20.269	3.3966	17.937	19.584
12	Pb	.15469	.14324	.11932	.02797	.19812	.19646
13	Mg	3.6991	3.2847	3.4121	.64330	3.4076	3.7761
14	Mn	.44838	.43157	.46782	.08577	.51734	.52259
15	Ni	.01380	.01302	.01365	.00268	.10405	.10570
16	K_	3.9217	3.8370	3.9714	1.1239	3.8657	4.3100
17	Se	-.00113	.00326	.00116	.00060	.37029	.37595
18	Ag	.00153	.00136	.00071	-.00014	.00089	.00209
19	Na	.18451	.19743	.26040	.09213	.18685	.20421
20	Tl	.00297	.00119	.00308	-.00135	.37580	.38145
21	V_	.03677	.03068	.03151	.00548	.12448	.12440
22	Zn	.26433	.32616	.33106	.06366	.39640	.39748

-030

#	Element	CCV	CCB	040'9 5X	040'0 5X	040'A 5X	IP0'-3MB
				19	20	18A	-0611
1	Al	47.806	-.01120	9.5808	9.8791	9.6850	-.03918
2	Sb	.49507	-.00029	.00114	.00242	.97654	.00242
3	As	.48784	-.00016	.01712	.01187	1.0082	.00000
4	Ba	.46689	.00000	.30535	.18237	.17573	-.00013
5	Be	.49571	.00017	.00080	.00085	1.0149	.00008
6	Cd	.46583	.00049	.00218	.00193	.96215	.00043
7	Ca	49.937	.03967	8.0703	8.2873	9.2434	.02013
8	Cr	.48591	.00079	.02174	.02089	1.0065	.00120
9	Co	.47456	.00042	.00765	.00806	.98788	.00078
10	Cu	.49513	.00195	.05788	.05182	1.0331	.00209
11	Fe	20.101	.03848	18.432	18.343	19.174	.04375
12	Pb	.48386	.00055	.29186	.14573	1.1271	.00093
13	Mg	50.248	.02697	3.2646	3.3365	4.2987	-.01654
14	Mn	.48214	.00070	.44052	.50537	1.4078	.00069
15	Ni	.45561	.00086	.01279	.01341	.96214	.00062
16	K_	19.623	.55878	4.1080	4.1936	3.8941	.47410
17	Se	.48221	-.00161	.00197	.00349	.98487	.00246
18	Ag	.48244	.00108	.00137	.00173	.00099	.00094
19	Na	19.471	.07661	.21349	.19289	.18724	.07227
20	Tl	.48740	.00267	.00217	.00185	.98075	.00461
21	V_	.49862	-.00005	.03101	.03176	1.0268	-.00015
22	Zn	.48486	-.00074	.39694	.30506	1.3319	.00563

-031

#	Element	IP0'3LCS	040'1 5X	040'2 5X	040'3 5X	040'4 5X	040'5 5X
		-0611	1	2	3	4	5
1	Al	1.8468	10.985	10.602	12.663	12.682	13.939
2	Sb	.48659	.00212	-.00104	.00149	.00217	-.00192
3	As	1.9661	.00756	.00469	.00650	.00586	.00474
4	Ba	1.8104	.17224	.17121	.22892	.19503	.20603
5	Be	.05037	.00076	.00071	.00083	.00082	.00087
6	Cd	.04868	.00122	.00074	.00183	.00125	.00122
7	Ca	.01403	5.7046	8.7563	8.0041	5.7262	7.0361
8	Cr	.19539	.02558	.02372	.02705	.02520	.02683
9	Co	.48623	.01053	.00891	.00922	.00913	.00906
10	Cu	.24391	.03135	.02627	.03596	.04445	.04917
11	Fe	.90384	24.003	23.166	24.945	23.159	25.503
12	Pb	.49005	.12920	.09983	.20668	.10329	.11656
13	Mg	-.02380	4.2879	4.2917	4.9237	4.1080	4.5134
14	Mn	.48334	.41586	.41182	.47919	.46331	.49950
15	Ni	.47944	.01764	.01619	.01783	.01566	.01628
16	K_	.49680	4.1703	3.9824	4.8871	4.2833	4.8547
17	Se	1.9606	.00254	.00200	.00167	.00091	.00200
18	Ag	.00100	.00143	.00038	.00010	.00065	-.00056
19	Na	.08066	.21411	.20460	.20573	.17668	.21409
20	Tl	1.9487	.00454	.00280	.00210	.00155	-.00040
21	V_	.48183	.04326	.04085	.04351	.04018	.04301
22	Zn	.51770	.21407	.15461	.27702	.16233	.22530

#	Element	CCV	CCB	040'6 5X	040'7 5X	040'8 5X	040'9 5X
				6	7	8	9
1	Al	47.526	-.03380	14.758	15.038	16.207	14.533
2	Sb	.49139	.00150	-.00414	.00115	-.00074	-.00107
3	As	.48695	-.00185	.00607	.00622	.00687	.00341
4	Ba	.46123	-.00019	.21985	.22008	.24089	.20040
5	Be	.49355	.00008	.00092	.00098	.00106	.00092
6	Cd	.46365	.00047	.00168	.00116	.00087	.00083
7	Ca	49.883	.02315	7.1572	12.605	16.163	12.796
8	Cr	.48480	.00005	.03005	.02848	.02807	.02737
9	Co	.47297	.00007	.01001	.01085	.01184	.01031
10	Cu	.48976	.00149	.05065	.03010	.02948	.02608
11	Fe	20.034	.01840	26.331	26.521	27.273	25.520
12	Pb	.48265	.00104	.13170	.11897	.07853	.08253
13	Mg	50.158	.00427	4.7794	5.6769	6.2768	5.5422
14	Mn	.48008	.00036	.52460	.54011	.58818	.52124
15	Ni	.45300	.00007	.01680	.01972	.02025	.01905
16	K_	19.466	.55170	4.6093	4.3974	4.6246	4.1642
17	Se	.48041	-.00140	.00172	.00248	.00011	.00057
18	Ag	.47872	.00022	-.00040	.00007	.00014	.00010
19	Na	19.307	.07418	.18394	.19236	.24844	.23971
20	Tl	.48723	-.00089	.00224	-.00140	-.00006	-.00056
21	V_	.49732	-.00065	.04418	.04792	.04800	.04517
22	Zn	.48565	-.00104	.21606	.20048	.16674	.15563

#	Element	040'0 5X	040'1 5X	040'2 5X	040'3 5X	040'4 5X	040'5 5X
		10	11	12	13	14	15
1	Al	9.3861	9.7083	9.4447	11.036	10.813	10.266
2	Sb	-.00136	.00048	.00005	-.00141	.00206	-.00154
3	As	.01346	.01221	.01558	.04402	.06496	.06824
4	Ba	.16551	.17214	.17429	.18286	.17893	.17262
5	Be	.00060	.00066	.00061	.00069	.00068	.00063
6	Cd	.00134	.00165	.00170	.00192	.00207	.00175
7	Ca	6.0038	7.3080	6.1833	5.2910	6.1464	5.8014
8	Cr	.02766	.02783	.02926	.02834	.02958	.02988
9	Co	.00733	.00809	.00728	.00850	.00850	.00788
10	Cu	.02285	.02352	.02430	.02680	.03114	.02472
11	Fe	20.894	22.504	20.894	23.310	22.689	20.678
12	Pb	.09543	.10447	.11360	.16997	.24910	.14968
13	Mg	3.7431	3.7517	3.6200	3.7795	3.9299	3.6800
14	Mn	.36097	.38171	.38953	.44499	.43475	.43266
15	Ni	.01271	.01385	.01241	.01418	.01450	.01271
16	K_	3.4192	3.4080	3.3353	4.1082	4.0115	3.9672
17	Se	.00073	-.00035	.00006	.00078	.00044	.00097
18	Ag	.00013	.00081	.00046	.00027	.00121	.00043
19	Na	.20313	.19896	.19729	.15274	.16380	.15244
20	Tl	.00256	.00111	.00110	.00222	.00415	-.00240
21	V_	.03677	.04060	.03643	.03927	.03902	.03493
22	Zn	.19275	.22874	.26988	.19885	.32465	.20211

#	Element	CCV	CCB	040'6 5X	040'7 5X	040'D 5X	040' 25X
				-031			
				16	17	17D	17L
1	Al	47.602	-.02915	8.4229	8.9884	8.4000	1.8007
2	Sb	.49029	.00033	-.00155	.00222	.00033	-.00023
3	As	.49365	-.00107	.00533	.00766	.00707	-.00015
4	Ba	.46378	-.00003	.19410	.24159	.23352	.04829
5	Be	.49482	.00011	.00064	.00071	.00060	.00006
6	Cd	.46726	.00063	.00304	.00361	.00313	.00091
7	Ca	50.092	.02599	12.596	9.5402	8.2540	1.8657
8	Cr	.48640	.00079	.02592	.02464	.02249	.00497
9	Co	.47533	.00037	.00696	.00751	.00673	.00159
10	Cu	.49079	.00211	.03681	.04245	.03858	.00962
11	Fe	20.109	.02653	19.006	20.189	17.972	3.8505
12	Pb	.48478	.00079	.18010	.34186	.26364	.06847
13	Mg	50.370	.01180	3.3153	3.2767	2.9935	.65565
14	Mn	.48161	.00048	.40405	.41913	.39482	.08438
15	Ni	.45629	.00074	.01221	.01281	.01212	.00313
16	K_	19.543	.58245	3.8457	3.6224	3.4505	1.1434
17	Se	.48035	.00091	-.00062	.00163	.00008	.00000
18	Ag	.47913	.00180	.00061	.00093	.00047	.00095
19	Na	19.382	.07528	.31026	.26902	.21584	.11397
20	Tl	.48927	.00312	-.00155	-.00052	.00133	.00243
21	V_	.49870	-.00016	.03060	.03310	.02901	.00599
22	Zn	.48716	-.00092	.30385	.41243	.38405	.09206

#	Element	040'S 5X	040'D 5X	040'8 5X	040'9 5X	040'O 5X	040'A 5X
				-031			
		17MS	17MSD	18	19	20	17A
1	Al	12.597	11.972	9.4522	12.864	11.359	9.0264
2	Sb	.03755	.04292	-.00079	-.00058	.00128	.97209
3	As	.38988	.38940	.00588	.07307	.06768	.99619
4	Ba	.60816	.58395	.24062	.49882	.43763	.24207
5	Be	.01071	.01067	.00069	.00094	.00085	1.0053
6	Cd	.01321	.01349	.00362	.00302	.00296	.95634
7	Ca	9.4676	8.9766	8.7105	10.362	9.5760	10.402
8	Cr	.06441	.06355	.02996	.02832	.02549	1.0026
9	Co	.10323	.10355	.00717	.00911	.00873	.97950
10	Cu	.09272	.09271	.04092	.09506	.08444	1.0077
11	Fe	21.815	20.932	19.038	28.362	26.588	21.017
12	Pb	.35031	.33591	.24543	.50532	.53700	1.3224
13	Mg	3.7905	3.5780	3.3518	4.4320	4.0180	4.2211
14	Mn	.56127	.59467	.39638	1.2223	1.1387	1.3811
15	Ni	.10772	.10774	.01403	.01548	.01708	.95612
16	K_	4.0253	3.9299	3.3205	4.0636	3.6823	3.6148
17	Se	.38106	.37745	.00170	.00313	.00285	.98334
18	Ag	.00027	.00076	.00049	.00177	.00191	-.00040
19	Na	.36879	.25489	.37219	.21648	.24848	.27108
20	Tl	.38449	.38315	.00001	-.00028	.00218	.97974
21	V_	.13041	.12975	.03218	.03952	.03868	1.0211
22	Zn	.57949	.55820	.40275	2.0122	1.8045	1.3975

#	Element	CCV	CCB	IPO'-1MB	IPO'1LCS	IPO'LCSD	040'92-1
				~06/4	→	→	~092
1	Al	47.695	-.03137	-.04435	.13995	.14666	1.9009
2	Sb	.49104	-.00069	.00114	-.00235	.00009	.00128
3	As	.49041	.00018	-.00086	.00396	.00218	.00156
4	Ba	.46238	-.00015	.00005	.18125	.18096	.03388
5	Be	.49365	.00013	-.00008	.00415	.00433	.00002
6	Cd	.46510	.00034	.00031	.00476	.00486	.00189
7	Ca	49.945	.02731	.05913	.04378	.03491	4.8285
8	Cr	.48461	.00003	.00359	.00248	.00426	.08553
9	Co	.47445	-.00021	.00049	.04294	.04495	.00139
10	Cu	.49179	.00133	.00307	.02301	.02426	.10780
11	Fe	20.067	.01776	.63370	.62605	1.6719	3.7614
12	Pb	.48457	.00049	-.00006	.00436	.00300	.02207
13	Mg	50.289	.00667	-.00826	-.01870	-.01802	.90595
14	Mn	.48085	.00038	.00600	.01598	.02005	.07278
15	Ni	.45417	.00042	.00177	.03492	.03641	.00794
16	K_	19.581	.52361	.56858	.56389	.54057	1.0712
17	Se	.48281	-.00107	.00035	.00473	.00329	-.00100
18	Ag	.47945	.00075	.00151	.00056	.00029	.00063
19	Na	19.427	.07435	.14054	.11619	.11426	.83953
20	Tl	.48240	.00068	.00382	.00539	.00913	.00002
21	V_	.49699	-.00073	-.00031	.03568	.03977	.00557
22	Zn	.48644	-.00129	.35465	.02141	.02196	.15063

#	Element	040'92-2	040'92-3	PB/' 50X	CRI	ICSA	ICSAB
		~092	→				
1	Al	.04024	.02048	.23054	.37756	472.50	467.98
2	Sb	.00126	.00291	.00050	.11474	.00455	.58998
3	As	.00023	-.00063	.00000	.00822	-.00133	.09283
4	Ba	.00220	.00196	.01697	.37570	.00039	.45325
5	Be	-.00007	-.00007	-.00008	.01006	.00072	.46487
6	Cd	.00077	.00046	.00030	.01034	-.00202	.84644
7	Ca	.37561	.25910	.58279	9.6261	511.74	504.46
8	Cr	.04113	.04813	.00062	.02056	.00131	.45199
9	Co	.00019	.00014	.00027	.10023	.00399	.44350
10	Cu	.01367	.00670	.00320	.05104	.00066	.51436
11	Fe	2.5155	1.4310	.22298	.18780	202.18	200.85
12	Pb	.00371	.00253	.00157	.00600	-.00153	.04416
13	Mg	.02002	.01277	.11625	9.9567	521.65	515.77
14	Mn	.01468	.00684	.00497	.03041	.00818	.46570
15	Ni	.00308	.00721	.00084	.07824	.00498	.83584
16	K_	.66695	.64774	.84585	8.7935	.35905	.35529
17	Se	.00009	-.00083	.00017	.01154	.00932	.04520
18	Ag	.00100	.00058	.00097	.02014	.00118	.20301
19	Na	.22269	.17187	C.00000	8.4180	.12017	.13275
20	Tl	.00279	-.00112	.00108	.02180	.00564	.09081
21	V_	.00035	-.00081	.00027	.10354	.00463	.48077
22	Zn	.03539	.03334	.00581	.04196	.01352	.89828

#	Element	CCV	CCB
1	Al	47.405	-.00297
2	Sb	.48831	-.00079
3	As	.49468	-.00145
4	Ba	.46335	-.00008
5	Be	.49468	.00013
6	Cd	.47017	.00053
7	Ca	50.209	.04417
8	Cr	.48641	.00026
9	Co	.47574	-.00012
10	Cu	.48770	.00136
11	Fe	20.141	.03053
12	Pb	.49292	.00046
13	Mg	50.589	.02326
14	Mn	.48222	.00031
15	Ni	.45929	.00023
16	K_	19.553	.52643
17	Se	.47916	.00125
18	Ag	.47776	.00073
19	Na	19.305	.08102
20	Tl	.49178	.00232
21	V_	.49878	-.00040
22	Zn	.49037	-.00002

Method: TRACE Standard Name: BLANK Operator:
Run Time: 06/14/04 10:01:06
Comment:
Correction Factor: 1

T40614A

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.3569821	-.019499	-.433478	.2549872	.0074996	1.342433	.0074996
SDev	.5345460	.214243	.277879	.2715154	.0360606	.031818	.0063636
%RSD	149.7403	1098.735	64.10449	106.4820	480.8326	2.370187	84.85281
#1	-.020999	.1319934	-.629968	.4469777	-.017999	1.364932	.0119994
#2	.7349632	-.170991	-.236988	.0629968	.0329984	1.319934	.0029999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.4169791	.0479976	.0749963	.0089996	.1012449	.3884806	-.001500
SDev	.0042424	.0084849	.0636364	.0000000	.0265152	.0021212	.061515
%RSD	1.017422	17.67767	84.85281	.0000000	26.18914	.5460270	4101.220
#1	.4139793	.0419979	.1199940	.0089996	.1199940	.3869806	.0419979
#2	.4199790	.0539973	.0299985	.0089996	.0824959	.3899805	-.044998
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	20.81446	.1799910	.0172491	8.156591	-.025499	.0494975	.0134993
SDev	.18879	.0933334	.0010606	.021212	.025455	.1293941	.0106061
%RSD	.9070051	51.85450	6.148754	.2600555	99.82684	261.4152	78.56742
#1	20.68097	.2459877	.0179991	8.141593	-.007500	-.041998	.0209989
#2	20.94795	.1139943	.0164992	8.171591	-.043498	.1409930	.0059997
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl
Avge	.0194990	.0149993	.0000000	.0000000	-.050997
SDev	.0063636	.0212121	.0000000	.0000000	.025455
%RSD	32.63569	141.4214	.0000000	.0000000	49.91342
#1	.0239988	.0000000	.0000000	.0000000	-.032998
#2	.0149993	.0299985	.0000000	.0000000	-.068997
Factor	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: TRACE Standard Name: RLSTD Operator:
Run Time: 06/14/04 10:02:27
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.5084746	.1514924	-.217489	.5039748	.1229939	2.135893	.2444878
SDev	.2906064	.2693942	.137879	.0042424	.0848486	.008485	.0021212
%RSD	57.15258	177.8269	63.39578	.8417916	68.98603	.3972500	.8676177
#1	.7139643	-.038998	-.119994	.5069746	.1829909	2.129894	.2459877
#2	.3029848	.3419829	-.314984	.5009750	.0629968	2.141893	.2429878
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.6299685	7.267137	.3374831	.0734963	.2579871	.5257237	.3464827
SDev	.0000000	.010606	.0530304	.0021212	.0275758	.0074243	.0403031
%RSD	.0000000	.1459470	15.71349	2.886150	10.68882	1.412197	11.63206
#1	.6299685	7.274636	.3749812	.0719964	.2774861	.5309734	.3749812
#2	.6299685	7.259637	.2999850	.0749963	.2384881	.5204740	.3179841
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	22.92335	7.145642	.3022349	43.09135	.5377231	.3884805	.0464977
SDev	.15485	.046667	.0031818	.11242	.0328788	.2439396	.0021212
%RSD	.6755100	.6530788	1.052769	.2608990	6.114448	62.79326	4.561979
#1	23.03285	7.178641	.3044848	43.01185	.5609719	.5609719	.0479976
#2	22.81386	7.112644	.2999850	43.17084	.5144743	.2159892	.0449978
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Tl
Avge	.2039898	.2077396	.0029999
SDev	.0042424	.0413637	.0169697
%RSD	2.079725	19.91131	565.6854
#1	.2069896	.1784911	.0149993
#2	.2009900	.2369881	-.009000
Factor	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: TRACE Standard Name: A 1/100 Operator:
Run Time: 06/14/04 10:03:55
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	40.29848	71.04845	7.843108	25.72671	69.67302	86.01469
SDev	.25242	.39030	.048788	.00000	.41788	.67879
%RSD	.6263822	.5493473	.6220474	.0000000	.5997667	.7891552
#1	40.12000	70.77246	7.808610	25.72671	69.37753	85.53472
#2	40.47697	71.32443	7.877606	25.72671	69.96850	86.49468
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: TRACE Standard Name: A 1/10 Operator:
Run Time: 06/14/04 10:05:16
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	410.7357	684.7037	76.41368	85.14624	712.9384	934.3303
SDev	.1177	.4751	.15485	.05303	.6194	.0085
%RSD	.0286594	.0693921	.2026428	.0622821	.0868811	.0009054
#1	410.6525	684.3678	76.30418	85.18374	712.5004	934.3362
#2	410.8189	685.0397	76.52317	85.10874	713.3763	934.3243
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: TRACE Standard Name: A 1/2 Operator:
Run Time: 06/14/04 10:06:36
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na

Avge	2067.705	3053.222	354.6138	389.6265	3608.494	4333.935
SDev	20.782	14.600	2.3397	4.5606	20.909	46.192
%RSD	1.005057	.4781934	.6597887	1.170508	.5794343	1.065811
#1	2053.010	3042.898	352.9593	386.4017	3593.709	4301.272
#2	2082.400	3063.546	356.2682	392.8514	3623.279	4366.597
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: TRACE Standard Name: MIXAHIGH Operator:
Run Time: 06/14/04 10:07:57
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	3971.919	5426.110	670.2400	742.0429	7148.810	7439.340
SDev	17.865	28.144	3.2985	4.2467	37.792	23.227
%RSD	.4497821	.5186853	.4921384	.5722923	.5286410	.3122252
#1	3959.286	5406.209	667.9076	739.0400	7122.088	7422.916
#2	3984.551	5446.012	672.5724	745.0457	7175.533	7455.764
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: TRACE Standard Name: B 1/100 Operator:
Run Time: 06/14/04 10:15:40
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	9.836508	8.489575	4.064796	4.070797	2.960852	11.42418	21.47743
SDev	.246061	.178182	.076364	.165455	.038182	.02227	.10394
%RSD	2.501505	2.098833	1.878659	4.064427	1.289562	.1949645	.4839509
#1	10.01050	8.363582	4.010799	3.953802	2.933853	11.40843	21.40393

#2	9.662517	8.615569	4.118794	4.187790	2.987851	11.43993	21.55092
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	26.23219	4.338533	11.38143	6.940903	13.64107	10.53322	.9494525
SDev	.16333	.041364	.04667	.018030	.05833	.03500	.0996971
%RSD	.6226481	.9534004	.4100217	.2597705	.4276297	.3322828	10.50048
#1	26.11669	4.309285	11.34843	6.928153	13.59982	10.50847	.8789560
#2	26.34768	4.367782	11.41443	6.953652	13.68232	10.55797	1.019949
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	1.829908	2.545373	6.009449	.8999550
SDev	.008485	.031818	.032879	.0084848
%RSD	.4636754	1.250040	.5471148	.9428066
#1	1.823909	2.522874	6.032698	.9059547
#2	1.835908	2.567872	5.986201	.8939553
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: TRACE Standard Name: B 1/10 Operator:
Run Time: 06/14/04 10:17:01
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	90.57747	87.33164	43.92080	38.45208	29.69552	112.6144	209.5860
SDev	.14425	.73819	.05091	.89939	.30546	.2715	2.4924
%RSD	.1592516	.8452678	.1159148	2.338999	1.028627	.2411013	1.189215
#1	90.67947	86.80965	43.88480	37.81611	29.47952	112.4224	207.8236
#2	90.47547	87.85361	43.95680	39.08804	29.91150	112.8064	211.3484
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	262.8131	43.54357	113.3838	65.75221	135.4515	105.6630	8.354582
SDev	3.5965	.45500	1.3661	.26303	1.4329	1.4032	.169697
%RSD	1.368469	1.044930	1.204810	.4000302	1.057854	1.327983	2.031189
#1	260.2700	43.22184	112.4179	65.56622	134.4383	104.6708	8.234588
#2	265.3562	43.86531	114.3498	65.93820	136.4647	106.6552	8.474576

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	18.36958	24.80426	59.82376	9.551522
SDev	.17606	.44758	.84955	.084848
%RSD	.9584426	1.804429	1.420081	.8883193
#1	18.24509	24.48778	59.22304	9.491526
#2	18.49408	25.12074	60.42448	9.611519
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: TRACE Standard Name: MIXBHIGH Operator:
Run Time: 06/14/04 10:18:22
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	889.7660	855.7417	432.0864	373.8908	286.6927	1067.403	1853.966
SDev	4.2106	10.7694	1.0564	4.5585	2.5030	9.933	18.525
%RSD	.4732275	1.258487	.2444803	1.219205	.8730724	.9305347	.9991836
#1	886.7886	848.1266	431.3394	370.6674	284.9228	1060.380	1840.867
#2	892.7433	863.3568	432.8333	377.1141	288.4626	1074.426	1867.065
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	2470.418	426.8367	1114.401	658.4708	1282.527	1028.166	83.30583
SDev	29.395	5.1885	13.718	6.4029	14.933	12.332	1.28121
%RSD	1.189866	1.215565	1.230965	.9723878	1.164366	1.199382	1.537960
#1	2449.633	423.1678	1104.701	653.9433	1271.968	1019.447	82.39988
#2	2491.203	430.5055	1124.101	662.9983	1293.087	1036.886	84.21178
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	180.9104	234.1773	583.2706	94.42628
SDev	2.1276	3.0164	6.7381	1.12424
%RSD	1.176039	1.288072	1.155220	1.190604
#1	179.4060	232.0444	578.5060	93.63132
#2	182.4149	236.3102	588.0351	95.22124

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: TRACE
Mode: Concentration
Standards Table: 6010I
Data File: 6010CAL

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
2203/1	220.351	06/14/04 10:20	Full Fit	1.000000
2203/2	220.352/2	06/14/04 10:20	Full Fit	1.000000
1960/1	196.021	06/14/04 10:20	Full Fit	1.000000
1960/2	196.022/2	06/14/04 10:20	Full Fit	1.000000
Ag	328.068	06/14/04 10:20	Full Fit	1.000000
Al	308.215	06/14/04 10:20	Full Fit	1.000000
Ba	493.409	06/14/04 10:20	Full Fit	1.000000
Be	313.042	06/14/04 10:20	Full Fit	1.000000
Ca	317.933	06/14/04 10:20	Full Fit	1.000000
Cd	226.502/2	06/14/04 10:20	Full Fit	1.000000
Co	228.616	06/14/04 10:20	Full Fit	1.000000
Cr	267.716	06/14/04 10:20	Full Fit	1.000000
Cu	324.753	06/14/04 10:20	Full Fit	1.000000
Fe	271.441	06/14/04 10:20	Full Fit	1.000000
K_	766.491	06/14/04 10:20	Full Fit	.999995
Mg	279.078	06/14/04 10:20	Full Fit	1.000000
Mn	257.610	06/14/04 10:20	Full Fit	1.000000
Na	588.991	06/14/04 10:20	Full Fit	.999999
Ni	231.604/2	06/14/04 10:20	Full Fit	1.000000
Sb	206.838/2	06/14/04 10:20	Full Fit	1.000000
V_	292.402	06/14/04 10:21	Full Fit	1.000000
Zn	206.200	06/14/04 10:21	Full Fit	1.000000
As	189.042/2	06/14/04 10:21	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	06/14/04 10:21	Full Fit	1.000000

Method: TRACE Sample Name: MIXBHIGH Operator: SW
Run Time: 06/14/04 10:21:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	10.066	10.002	10.030	10.010	1.9812	.06118	9.8862
SDev	.106	.080	.092	.086	.0219	.00250	.0734
%RSD	1.0483	.80209	.91630	.86038	1.1054	4.0878	.74248
#1	9.9914	9.9451	9.9655	9.9488	1.9657	.06295	9.8343
#2	10.141	10.059	10.095	10.071	1.9966	.05941	9.9381
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	10.059	.02202	10.042	10.024	9.9805	9.9613	-.01555
SDev	.081	.00093	.088	.089	.0894	.0670	.00015
%RSD	.80658	4.2396	.87465	.89146	.89541	.67219	.93445
#1	10.002	.02268	9.9799	9.9606	9.9173	9.9140	-.01545
#2	10.117	.02136	10.104	10.087	10.044	10.009	-.01565
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	.26177	-.03936	9.9687	.09077	10.025	2.0056	9.9705
SDev	.01519	.00369	.0892	.00062	.096	.0224	.0816
%RSD	5.8043	9.3793	.89499	.68643	.95890	1.1163	.81814
#1	.25103	-.03675	9.9057	.09033	9.9571	1.9898	9.9128
#2	.27252	-.04197	10.032	.09121	10.093	2.0214	10.028
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	10.050	10.019	10.023	10.017	10.021
SDev	.102	.089	.089	.088	.086
%RSD	1.0145	.89315	.88444	.87903	.85855
#1	9.9777	9.9553	9.9605	9.9544	9.9602
#2	10.122	10.082	10.086	10.079	10.082
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	10.000	10.000	10.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Method: TRACE Sample Name: MIXAHIGH Operator: SW
Run Time: 06/14/04 10:23:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00889	-.00341	-.00605	.01715	.00465	490.63	.00345
SDev	.00363	.00224	.00819	.00153	.00160	3.86	.00081
%RSD	40.793	65.806	135.40	8.9511	34.519	.78739	23.620
#1	.01145	-.00500	-.00026	.01606	.00578	487.89	.00403
#2	.00632	-.00182	-.01183	.01823	.00351	493.36	.00287
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	.00345	500.10	-.00107	.00628	.00789	.00825	199.06
SDev	.00081	3.31	.00065	.00080	.00084	.00153	1.36
%RSD	23.503	.66138	60.781	12.768	10.654	18.510	.68417
#1	.00403	497.76	-.00061	.00685	.00849	.00933	198.10
#2	.00288	502.43	-.00153	.00571	.00730	.00717	200.02
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	97.444	501.20	.00982	99.177	.00538	.01279	.00693
SDev	.844	3.35	.00086	.564	.00082	.00041	.00084
%RSD	.86574	.66815	8.7234	.56852	15.240	3.1851	12.104
#1	96.848	498.83	.01042	98.778	.00596	.01250	.00752
#2	98.041	503.57	.00921	99.575	.00480	.01308	.00634
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01449	.00582	.00068	.00942	.02035
SDev	.00043	.00101	.00029	.00170	.00037
%RSD	2.9395	17.298	42.297	18.062	1.8368
#1	.01479	.00653	.00048	.01063	.02062
#2	.01419	.00511	.00089	.00822	.02009
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value					
Range					

Method: TRACE Sample Name: ICV Operator: SW
Run Time: 06/14/04 10:27:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.24110	.25236	.24326	.24314	.23979	23.974	.24271
SDev	.00443	.00165	.00047	.00509	.00323	.086	.00004
%RSD	1.8388	.65266	.19482	2.0923	1.3450	.36023	.01548
#1	.23796	.25120	.24292	.23955	.23751	23.913	.24269
#2	.24423	.25353	.24359	.24674	.24207	24.035	.24274
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	.25170	24.993	.24391	.24162	.24533	.25133	10.063
SDev	.00240	.337	.00338	.00297	.00306	.00133	.119
%RSD	.95290	1.3480	1.3857	1.2278	1.2463	.52966	1.1872
#1	.25001	24.755	.24152	.23952	.24317	.25039	9.9781
#2	.25340	25.232	.24630	.24372	.24749	.25228	10.147
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	9.7096	25.147	.24721	9.6922	.23928	.24903	.25623
SDev	.0661	.359	.00265	.0412	.00246	.00628	.00255
%RSD	.68083	1.4269	1.0708	.42540	1.0262	2.5230	.99406
#1	9.6628	24.893	.24534	9.6631	.23754	.24458	.25443
#2	9.7563	25.401	.24908	9.7214	.24101	.25347	.25803
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.24488	.24741	.24861	.24318	.24533
SDev	.00410	.00579	.00258	.00355	.00847
%RSD	1.6746	2.3384	1.0357	1.4602	3.4505
#1	.24198	.24332	.24679	.24067	.23934
#2	.24778	.25150	.25043	.24569	.25131
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	.25000	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: ICB Operator: SW
Run Time: 06/14/04 10:32:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00312	-.00034	.00400	-.00327	.00015	-.01635	-.00028
SDev	.00187	.00020	.00310	.00055	.00104	.00717	.00015
%RSD	59.954	58.331	77.502	16.847	688.67	43.828	53.746
#1	.00180	-.00020	.00181	-.00288	-.00058	-.02142	-.00038
#2	.00445	-.00048	.00619	-.00366	.00088	-.01128	-.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	.00014	.00423	.00035	-.00039	-.00030	.00063	-.00467
SDev	.00001	.00026	.00014	.00109	.00103	.00102	.00966
%RSD	6.7103	6.1060	39.448	283.91	343.63	161.46	206.82
#1	.00014	.00404	.00025	-.00116	-.00103	-.00009	-.01150
#2	.00015	.00441	.00045	.00039	.00043	.00136	.00216
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	.44499	-.00758	.00011	.07200	-.00007	-.00140	-.00155
SDev	.07855	.00851	.00008	.00264	.00030	.00389	.00058
%RSD	17.653	112.22	72.931	3.6618	457.56	277.38	37.188
#1	.38944	-.01360	.00005	.07013	-.00028	-.00415	-.00195
#2	.50053	-.00157	.00016	.07386	.00015	.00135	-.00114
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00177	-.00165	.00081	-.00085	.00068
SDev	.00077	.00381	.00049	.00066	.00140
%RSD	43.251	230.56	60.403	78.168	206.28
#1	-.00231	-.00435	.00047	-.00132	-.00031
#2	-.00123	.00104	.00116	-.00038	.00167
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: CRI Operator: SW
Run Time: 06/14/04 10:34:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00543	.00818	.01128	.01219	.01896	.41814	.39405
SDev	.00317	.00184	.00177	.00205	.00054	.00298	.00449
%RSD	58.290	22.437	15.643	16.844	2.8475	.71214	1.1390
#1	.00319	.00948	.01253	.01364	.01858	.41604	.39088
#2	.00767	.00688	.01003	.01074	.01934	.42025	.39722
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	.01029	9.5641	.01033	.09936	.01957	.05179	.17358
SDev	.00002	.0487	.00006	.00070	.00002	.00046	.00586
%RSD	.19007	.50933	.61588	.70769	.09548	.87793	3.3784
#1	.01027	9.5296	.01038	.09986	.01958	.05147	.17772
#2	.01030	9.5985	.01029	.09887	.01956	.05211	.16943
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	8.8082	9.8175	.03082	8.6076	.07981	.12205	.10412
SDev	.0465	.0363	.00017	.0652	.00036	.00373	.00093
%RSD	.52745	.36963	.55595	.75760	.45209	3.0589	.89651
#1	8.7754	9.7918	.03070	8.5615	.08007	.11941	.10346
#2	8.8411	9.8432	.03094	8.6537	.07956	.12469	.10478
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.04118	.01019	.00726	.01189	.02197
SDev	.00000	.00080	.00017	.00196	.00046
%RSD	.00000	7.8275	2.3285	16.464	2.0687
#1	.04118	.01076	.00738	.01327	.02229
#2	.04118	.00963	.00714	.01050	.02165
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: ICSA Operator: SW
Run Time: 06/14/04 10:38:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00493	-.00426	-.00931	.01686	-.00018	475.41	.00028
SDev	.00490	.00291	.00606	.00567	.00020	2.00	.00006
%RSD	99.325	68.293	65.134	33.626	109.93	.42012	20.251
#1	.00840	-.00631	-.00502	.01285	-.00032	474.00	.00024
#2	.00147	-.00220	-.01360	.02087	-.00004	476.83	.00032
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	.00082	501.90	-.00301	.00315	-.00037	-.00189	202.49
SDev	.00001	5.23	.00019	.00002	.00021	.00018	1.83
%RSD	1.1879	1.0415	6.2814	.77091	57.804	9.4385	.90490
#1	.00082	498.21	-.00287	.00314	-.00052	-.00202	201.19
#2	.00083	505.60	-.00314	.00317	-.00022	-.00177	203.79
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	.15471	510.22	.00789	.10559	.00221	.00237	.00396
SDev	.03454	5.35	.00013	.00028	.00016	.00797	.00048
%RSD	22.329	1.0493	1.6785	.26623	7.2230	336.57	12.180
#1	.13028	506.44	.00779	.10539	.00210	.00800	.00362
#2	.17913	514.01	.00798	.10579	.00233	-.00327	.00430
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01058	.00054	-.00120	.00815	-.00463
SDev	.00017	.00412	.00031	.00176	.00786
%RSD	1.6111	763.92	25.728	21.635	169.68
#1	.01046	-.00237	-.00142	.00690	.00093
#2	.01070	.00345	-.00098	.00939	-.01020
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	.04000	.02000	.00600	.01000	.02000

Method: TRACE Sample Name: ICSAB Operator: SW
Run Time: 06/14/04 10:41:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.05394	.03970	.03654	.05798	.20465	467.38	.47099
SDev	.00514	.00387	.00962	.00493	.00218	3.57	.00221
%RSD	9.5327	9.7456	26.339	8.5094	1.0631	.76422	.46990
#1	.05030	.04244	.02974	.05449	.20312	464.85	.46942
#2	.05757	.03697	.04335	.06147	.20619	469.90	.47255
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	.46315	494.35	.84749	.43847	.44438	.52523	200.10
SDev	.00220	1.73	.00214	.00158	.00132	.00427	.88
%RSD	.47454	.34960	.25272	.36097	.29689	.81255	.43981
#1	.46159	493.13	.84597	.43735	.44345	.52221	199.48
#2	.46470	495.57	.84900	.43959	.44532	.52825	200.73
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	.21054	504.12	.46641	.11739	.84205	.60456	.47964
SDev	.00000	2.50	.00197	.00023	.00199	.00061	.00369
%RSD	.00000	.49624	.42129	.19532	.23640	.10133	.76896
#1	.21054	502.35	.46502	.11722	.84064	.60499	.47703
#2	.21054	505.89	.46780	.11755	.84346	.60412	.48225
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.87120	.09241	.04444	.05084	.08395
SDev	.00267	.00267	.00087	.00650	.00644
%RSD	.30630	2.8911	1.9547	12.777	7.6760
#1	.86931	.09052	.04506	.04625	.08851
#2	.87309	.09430	.04383	.05544	Q.07939
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000
Range	20.000	20.000	20.000	20.000	20.000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 06/14/04 10:43:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49234	.49488	.49192	.48783	.49849	48.281	.49125
SDev	.00453	.00811	.00297	.00428	.00429	.458	.00572
%RSD	.91970	1.6393	.60360	.87631	.86029	.94880	1.1640
#1	.48914	.48914	.49402	.48481	.49545	47.958	.48720
#2	.49555	.50061	.48982	.49085	.50152	48.605	.49529
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	.50557	50.506	.48064	.47955	.49311	.51115	20.468
SDev	.00452	.308	.00412	.00431	.00351	.00568	.167
%RSD	.89467	.61025	.85812	.89889	.71171	1.1112	.81668
#1	.50237	50.288	.47772	.47650	.49063	.50714	20.350
#2	.50877	50.724	.48355	.48259	.49559	.51517	20.586
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	19.686	50.600	.49393	19.789	.47372	.51263	.50922
SDev	.193	.343	.00473	.182	.00364	.00721	.00541
%RSD	.98230	.67776	.95760	.91961	.76905	1.4067	1.0634
#1	19.549	50.357	.49059	19.660	.47114	.50753	.50539
#2	19.823	50.842	.49728	19.918	.47630	.51772	.51305
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.48644	.49811	.49403	.48919	.49391
SDev	.00266	.00254	.00692	.00186	.01306
%RSD	.54602	.51010	1.4005	.38075	2.6439
#1	.48456	.49631	.48914	.48787	.48468
#2	.48832	.49990	.49893	.49051	.50314
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 06/14/04 10:46:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00280	.00002	.00633	.00042	.00029	.01745	-.00028
SDev	.00184	.00139	.00124	.00189	.00044	.00787	.00004
%RSD	65.880	7002.9	19.605	449.77	151.23	45.106	13.437
#1	.00410	.00101	.00720	-.00091	-.00002	.02301	-.00031
#2	.00149	-.00097	.00545	.00175	.00060	.01188	-.00025
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	.00012	.02667	.00041	-.00047	.00011	.00046	.01844
SDev	.00004	.00830	.00020	.00068	.00045	.00055	.00317
%RSD	32.749	31.126	50.030	144.43	405.78	119.66	17.173
#1	.00015	.03253	.00026	-.00095	-.00021	.00007	.01620
#2	.00009	.02080	.00055	.00001	.00043	.00085	.02067
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	.46514	.00751	.00005	.07468	.00015	-.00108	-.00082
SDev	.04358	.00591	.00001	.00023	.00045	.00081	.00046
%RSD	9.3686	78.647	16.854	.31115	294.28	74.734	56.487
#1	.43433	.01169	.00004	.07485	-.00017	-.00051	-.00114
#2	.49596	.00333	.00005	.07452	.00047	-.00165	-.00049
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00123	-.00119	.00094	.00239	.00314
SDev	.00034	.00131	.00154	.00085	.00115
%RSD	27.692	109.84	163.30	35.389	36.745
#1	-.00147	-.00211	.00204	.00179	.00233
#2	-.00099	-.00027	-.00015	.00298	.00396
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040611-4MB Operator: SW
Run Time: 06/14/04 10:50:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00005	.00146	.00005	.00100	.00003	-.01231	-.00040
SDev	.00012	.00275	.00534	.00050	.00018	.00630	.00008
%RSD	227.81	187.76	9990.2	49.734	614.91	51.181	20.831
#1	-.00003	.00341	-.00372	.00136	.00016	-.00786	-.00035
#2	.00014	-.00048	.00383	.00065	-.00010	-.01677	-.00046
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	.00689	.00021	-.00042	-.00033	.00009	.00909
SDev	.00000	.00195	.00006	.00022	.00035	.00039	.00181
%RSD	1.8991	28.367	28.489	52.116	104.09	414.82	19.904
#1	.00001	.00827	.00025	-.00057	-.00009	.00037	.01037
#2	.00001	.00551	.00017	-.00026	-.00058	-.00018	.00781
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	.47646	-.01235	-.00009	.07233	-.00003	-.00331	-.00057
SDev	.01056	.00465	.00004	.00010	.00019	.00178	.00035
%RSD	2.2171	37.697	45.301	.14292	620.70	53.690	60.485
#1	.46899	-.00906	-.00006	.07225	.00010	-.00205	-.00033
#2	.48393	-.01564	-.00011	.07240	-.00016	-.00456	-.00082
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00105	-.00256	.00099	.00069	-.00217
SDev	.00009	.00187	.00179	.00145	.00176
%RSD	8.1148	72.899	180.45	210.29	81.111
#1	-.00099	-.00124	.00226	-.00033	-.00093
#2	-.00111	-.00388	-.00027	.00171	-.00342
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040611-4LCS Operator: SW
Run Time: 06/14/04 10:52:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.56937	.57996	1.9921	2.0149	.06792	2.4447	1.8623
SDev	.00079	.00855	.0098	.0254	.00101	.0215	.0265
%RSD	.13903	1.4740	.49394	1.2606	1.4881	.88082	1.4247
#1	.56993	.57392	1.9851	1.9970	.06863	2.4295	1.8435
#2	.56881	.58601	1.9991	2.0329	.06720	2.4599	1.8810
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	.04903	37.118	.13987	.46228	.18639	.24410	.87430
SDev	.00014	.001	.00049	.00043	.00111	.00286	.02375
%RSD	.28435	.00387	.35167	.09277	.59683	1.1705	2.7169
#1	.04893	37.117	.14022	.46258	.18718	.24208	.89110
#2	.04913	37.119	.13952	.46198	.18560	.24612	.85751
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	34.893	37.322	.47345	34.285	.46024	.49835	.47597
SDev	.574	.043	.00164	.517	.00155	.00237	.00196
%RSD	1.6441	.11643	.34727	1.5073	.33734	.47538	.41167
#1	34.487	37.291	.47228	33.919	.45914	.49667	.47459
#2	35.299	37.353	.47461	34.650	.46133	.50002	.47736
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.47093	1.9922	.57643	2.0073	1.9297
SDev	.00128	.0164	.00544	.0202	.0167
%RSD	.27286	.82167	.94346	1.0072	.86683
#1	.47184	1.9806	.57259	1.9930	1.9179
#2	.47002	2.0038	.58028	2.0216	1.9416
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IP040611-4LCSD Operator: SW
Run Time: 06/14/04 10:55:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.56899	.57628	2.0109	2.0491	.06704	2.4247	1.8345
SDev	.00230	.00090	.0081	.0040	.00214	.0111	.0018
%RSD	.40411	.15590	.40301	.19633	3.1847	.45723	.09649
#1	.56736	.57564	2.0167	2.0519	.06553	2.4169	1.8333
#2	.57061	.57691	2.0052	2.0463	.06855	2.4326	1.8358
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	.04888	36.958	.13899	.45769	.18468	.24119	.85356
SDev	.00040	.426	.00144	.00536	.00288	.00114	.02225
%RSD	.81677	1.1523	1.0360	1.1701	1.5590	.47118	2.6064
#1	.04859	36.657	.13797	.45391	.18264	.24038	.83783
#2	.04916	37.259	.14001	.46148	.18671	.24199	.86930
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	34.964	37.303	.46903	34.382	.45497	.49572	.46986
SDev	.186	.412	.00383	.215	.00591	.00431	.00392
%RSD	.53302	1.1049	.81619	.62488	1.2987	.86966	.83414
#1	34.832	37.012	.46633	34.230	.45079	.49268	.46709
#2	35.096	37.595	.47174	34.534	.45915	.49877	.47263
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.46469	1.9810	.57385	2.0364	1.9280
SDev	.00720	.0126	.00136	.0054	.0236
%RSD	1.5484	.63363	.23786	.26428	1.2220
#1	.45961	1.9721	.57288	2.0402	1.9114
#2	.46978	1.9898	.57481	2.0326	1.9447
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-3 Operator: SW
Run Time: 06/14/04 10:57:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.20152	.21786	.00306	.01589	-.00112	78.588	1.0690
SDev	.00101	.00215	.00073	.00144	.00014	.556	.0081
%RSD	.49859	.98871	24.006	9.0751	12.625	.70706	.75671
#1	.20223	.21634	.00254	.01691	-.00122	78.195	1.0633
#2	.20081	.21938	.00358	.01487	-.00102	78.981	1.0747
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	.00617	10.722	-.00100	.07695	.11103	.10214	143.11
SDev	.00004	.070	.00013	.00071	.00133	.00070	.89
%RSD	.63416	.65458	13.234	.91942	1.1953	.68359	.62169
#1	.00614	10.672	-.00109	.07645	.11009	.10165	142.48
#2	.00619	10.771	-.00091	.07745	.11196	.10264	143.74
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	8.4346	14.026	6.9955	.33592	.11580	.00424	.22871
SDev	.0718	.087	.0460	.00719	.00037	.00071	.00185
%RSD	.85107	.61972	.65800	2.1405	.32027	16.735	.81068
#1	8.3839	13.965	6.9630	.33084	.11554	.00374	.22740
#2	8.4854	14.088	7.0281	.34101	.11607	.00474	.23002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.47142	.05817	.21242	.01162	.00514
SDev	.00334	.00037	.00110	.00072	.00361
%RSD	.70870	.63239	.51885	6.1724	70.159
#1	.46906	.05791	.21164	.01213	.00769
#2	.47378	.05843	.21320	.01111	.00259
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-4 Operator: SW
Run Time: 06/14/04 11:00:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.15435	.16046	.00551	.01251	.00031	68.110	1.1306
SDev	.00631	.00418	.00545	.00055	.00044	.061	.0017
%RSD	4.0879	2.6035	98.882	4.3641	141.47	.09007	.14857
#1	.15882	.15751	.00936	.01290	.00062	68.153	1.1318
#2	.14989	.16342	.00166	.01212	-.00000	68.066	1.1294
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	.00504	10.368	.00099	.07084	.09184	.10621	131.48
SDev	.00001	.017	.00006	.00039	.00051	.00008	.21
%RSD	.19157	.15990	6.2245	.54798	.55960	.07645	.15672
#1	.00503	10.356	.00095	.07056	.09148	.10615	131.33
#2	.00505	10.380	.00103	.07111	.09221	.10626	131.62
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	7.1213	15.973	9.6503	.56739	.14065	.00497	.17687
SDev	.0098	.047	.0135	.00139	.00120	.00164	.00070
%RSD	.13712	.29718	.14025	.24463	.85289	33.114	.39396
#1	7.1282	15.940	9.6407	.56641	.14150	.00613	.17638
#2	7.1144	16.007	9.6598	.56837	.13980	.00381	.17736
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.55978	.04988	.15843	.01018	.00648
SDev	.00112	.00129	.00068	.00218	.00053
%RSD	.19915	2.5856	.43257	21.395	8.1827
#1	.55899	.04896	.15794	.01172	.00611
#2	.56057	.05079	.15891	.00864	.00686
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-5 Operator: SW
Run Time: 06/14/04 11:02:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.10168	.11384	.00365	.00833	-.00119	67.518	1.1639
SDev	.00371	.00081	.00011	.00324	.00087	.199	.0027
%RSD	3.6519	.71358	3.0080	38.902	72.486	.29473	.23246
#1	.09905	.11441	.00372	.00604	-.00181	67.377	1.1620
#2	.10431	.11327	.00357	.01062	-.00058	67.659	1.1658
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	.00524	15.860	-.00098	.04170	.10775	.11306	76.644
SDev	.00004	.104	.00020	.00007	.00073	.00068	.436
%RSD	.75252	.65660	20.360	.17253	.67651	.60320	.56843
#1	.00522	15.786	-.00084	.04175	.10723	.11258	76.336
#2	.00527	15.933	-.00112	.04164	.10826	.11354	76.952
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	6.8771	17.072	.70300	.69563	.10706	-.00159	.14844
SDev	.0272	.096	.00306	.00489	.00155	.00051	.00116
%RSD	.39501	.56244	.43551	.70325	1.4475	32.118	.78357
#1	6.8579	17.004	.70084	.69217	.10597	-.00195	.14761
#2	6.8963	17.140	.70517	.69909	.10816	-.00123	.14926
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.57791	.01538	.10979	.00677	-.00028
SDev	.00377	.00066	.00069	.00212	.00285
%RSD	.65306	4.2623	.63275	31.385	1016.8
#1	.57525	.01492	.10930	.00527	-.00230
#2	.58058	.01584	.11028	.00827	.00174
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-6 Operator: SW
Run Time: 06/14/04 11:05:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.15592	.16639	-.00162	.00555	-.00051	65.928	1.0644
SDev	.00032	.00106	.00404	.00115	.00030	.335	.0064
%RSD	.20290	.63547	249.74	20.711	58.220	.50744	.60134
#1	.15614	.16564	-.00448	.00636	-.00072	65.692	1.0599
#2	.15569	.16714	.00124	.00474	-.00030	66.165	1.0689
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	.00497	9.4294	-.00025	.06051	.09287	.08919	123.70
SDev	.00000	.0212	.00014	.00014	.00047	.00054	.40
%RSD	.00619	.22522	57.378	.23723	.50313	.60081	.32591
#1	.00497	9.4144	-.00015	.06061	.09254	.08881	123.42
#2	.00497	9.4444	-.00035	.06041	.09320	.08957	123.99
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	6.5501	13.232	5.2254	.32445	.11182	.00402	.18237
SDev	.0333	.038	.0146	.00294	.00006	.00248	.00058
%RSD	.50839	.28409	.27853	.90717	.05382	61.797	.31831
#1	6.5266	13.205	5.2151	.32237	.11186	.00226	.18196
#2	6.5737	13.258	5.2357	.32654	.11177	.00577	.18278
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.51486	.04428	.16290	.00316	.00112
SDev	.00103	.00229	.00060	.00058	.00218
%RSD	.19976	5.1649	.36826	18.313	194.89
#1	.51413	.04266	.16248	.00275	.00266
#2	.51559	.04589	.16333	.00357	-.00042
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-7 Operator: SW
Run Time: 06/14/04 11:07:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.20410	.21417	.00679	.01641	.00039	92.140	2.8335
SDev	.00639	.00645	.00802	.00386	.00123	.770	.0283
%RSD	3.1322	3.0135	118.05	23.498	315.55	.83549	1.0005
#1	.20862	.20960	.01247	.01368	.00126	91.596	2.8134
#2	.19958	.21873	.00112	.01913	-.00048	92.685	2.8535
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	.00838	34.318	.00866	.43187	.13633	.20957	125.14
SDev	.00001	.006	.00029	.00150	.00038	.00136	.27
%RSD	.11810	.01804	3.3415	.34606	.28108	.65074	.21969
#1	.00838	34.314	.00886	.43081	.13660	.20861	124.94
#2	.00839	34.322	.00846	.43292	.13606	.21054	125.33
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	6.9747	32.245	H29.571	.73577	.47868	.00356	.17884
SDev	.0457	.038	.028	.00817	.00034	.00747	.00023
%RSD	.65593	.11718	.09472	1.1109	.07077	209.56	.12986
#1	6.9423	32.218	H29.551	.72999	.47892	.00884	.17868
#2	7.0070	32.271	H29.590	.74155	.47844	-.00172	.17900
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.0140	.02365	.21081	.01321	-.00101
SDev	.0018	.00308	.00218	.00010	.00056
%RSD	.17858	13.043	1.0321	.75050	55.706
#1	1.0153	.02583	.20928	.01328	-.00061
#2	1.0127	.02147	.21235	.01314	-.00141
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-8 Operator: SW
Run Time: 06/14/04 11:10:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.12942	.13530	-.00157	.00673	-.00005	97.704	1.7846
SDev	.00347	.00071	.00150	.00363	.00050	.116	.0015
%RSD	2.6817	.52424	95.757	53.892	987.98	.11857	.08466
#1	.12697	.13580	-.00264	.00930	-.00040	97.623	1.7857
#2	.13188	.13480	-.00051	.00417	.00030	97.786	1.7835
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	.00821	36.192	-.00064	.06963	.14447	.17721	147.14
SDev	.00005	.187	.00004	.00000	.00088	.00002	.63
%RSD	.60761	.51565	6.3933	.00076	.60815	.00916	.43023
#1	.00817	36.060	-.00061	.06963	.14384	.17720	146.69
#2	.00824	36.324	-.00067	.06962	.14509	.17722	147.59
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	7.1320	34.532	3.2949	.74030	.16672	.00687	.16241
SDev	.0205	.162	.0112	.00022	.00126	.00449	.00047
%RSD	.28703	.46843	.34138	.02939	.75595	65.334	.28624
#1	7.1175	34.418	3.2870	.74015	.16583	.00369	.16208
#2	7.1465	34.647	3.3029	.74046	.16761	.01004	.16274
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.96456	.02659	.13334	.00397	.00619
SDev	.00517	.00524	.00068	.00192	.00135
%RSD	.53606	19.723	.51196	48.369	21.835
#1	.96090	.02288	.13286	.00532	.00524
#2	.96822	.03030	.13383	.00261	.00715
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-9 Operator: SW
Run Time: 06/14/04 11:12:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.23498	.24497	-.00138	.01432	-.00099	83.354	1.0085
SDev	.00361	.00672	.00488	.00722	.00118	.368	.0046
%RSD	1.5344	2.7430	354.51	50.413	118.55	.44204	.45572
#1	.23753	.24021	.00208	.00922	-.00016	83.093	1.0053
#2	.23243	.24972	-.00483	.01943	-.00183	83.614	1.0118
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	.00536	15.659	-.00218	.09855	.11170	.10676	154.97
SDev	.00004	.028	.00022	.00002	.00013	.00031	.58
%RSD	.73896	.17602	10.310	.02303	.11713	.28898	.37232
#1	.00533	15.640	-.00202	.09856	.11161	.10654	154.56
#2	.00539	15.679	-.00233	.09853	.11179	.10698	155.38
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	7.9700	13.859	8.9549	.37961	.11149	.00045	.22904
SDev	.0272	.057	.0263	.00128	.00127	.00368	.00093
%RSD	.34073	.41245	.29361	.33730	1.1390	813.02	.40476
#1	7.9508	13.819	8.9363	.37871	.11059	.00306	.22838
#2	7.9892	13.900	8.9735	.38052	.11239	-.00215	.22969
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.51595	.05584	.24164	.00909	-.00060
SDev	.00103	.00421	.00328	.00319	.00108
%RSD	.19934	7.5343	1.3579	35.070	179.30
#1	.51522	.05881	.23932	.00684	-.00136
#2	.51668	.05286	.24396	.01135	.00016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 06/14/04 11:15:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48452	.48330	.47877	.48294	.48474	47.286	.47314
SDev	.00297	.00557	.00311	.01766	.00281	.557	.00450
%RSD	.61348	1.1527	.64989	3.6567	.57950	1.1787	.95149
#1	.48662	.47936	.48097	.47046	.48276	46.891	.46995
#2	.48242	.48724	.47657	.49543	.48673	47.680	.47632
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	.49441	49.624	.47074	.47178	.48238	.49635	20.043
SDev	.00365	.398	.00204	.00234	.00358	.00409	.153
%RSD	.73833	.80238	.43241	.49565	.74303	.82391	.76241
#1	.49183	49.342	.46930	.47012	.47984	.49346	19.935
#2	.49699	49.905	.47218	.47343	.48491	.49924	20.151
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	19.489	49.727	.48175	19.463	.46128	.50228	.49928
SDev	.263	.386	.00337	.256	.00285	.00206	.00357
%RSD	1.3497	.77716	.69888	1.3158	.61758	.41025	.71546
#1	19.303	49.454	.47937	19.282	.45926	.50374	.49675
#2	19.675	50.000	.48413	19.644	.46329	.50082	.50180
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.47838	.48926	.48371	.48155	.49160
SDev	.00257	.00234	.00273	.01074	.00018
%RSD	.53726	.47848	.56357	2.2309	.03573
#1	.47657	.48760	.48178	.47396	.49173
#2	.48020	.49092	.48563	.48915	.49148
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 06/14/04 11:17:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00352	-.00182	.00329	-.00036	.00093	.01614	-.00013
SDev	.00477	.00272	.00258	.00278	.00027	.00033	.00008
%RSD	135.32	149.18	78.290	766.96	28.896	2.0545	66.637
#1	.00689	-.00374	.00511	-.00233	.00074	.01638	-.00019
#2	.00015	.00010	.00147	.00160	.00112	.01591	-.00007
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	.02467	.00030	.00004	.00034	.00054	.02667
SDev	.00004	.00334	.00011	.00073	.00070	.00070	.01850
%RSD	42.797	13.548	37.259	1640.2	205.04	128.89	69.380
#1	.00012	.02703	.00022	-.00047	-.00015	.00005	.01359
#2	.00007	.02230	.00038	.00056	.00084	.00104	.03976
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	.46032	.01192	.00120	.07335	-.00006	.00191	-.00082
SDev	.02364	.00481	.00017	.00088	.00015	.00088	.00092
%RSD	5.1366	40.397	14.312	1.1974	259.16	45.998	112.97
#1	.44360	.00852	.00132	.07397	-.00016	.00129	-.00147
#2	.47704	.01533	.00108	.07273	.00005	.00253	-.00016
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00093	-.00195	-.00004	.00085	.00048
SDev	.00026	.00060	.00023	.00099	.00815
%RSD	27.500	30.892	532.28	116.38	1703.5
#1	-.00111	-.00237	-.00020	.00015	-.00529
#2	-.00075	-.00152	.00012	.00156	.00624
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0406055-9D Operator: SW
Run Time: 06/14/04 11:20:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.22465	.24232	-.00256	.01576	-.00039	89.325	1.0381
SDev	.00355	.00078	.00209	.00283	.00035	.219	.0035
%RSD	1.5793	.32091	81.925	17.970	90.631	.24500	.33515
#1	.22214	.24177	-.00404	.01376	-.00064	89.170	1.0356
#2	.22715	.24287	-.00107	.01776	-.00014	89.480	1.0405
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	.00606	16.555	-.00270	.09875	.12167	.11372	172.11
SDev	.00000	.011	.00021	.00054	.00044	.00067	.19
%RSD	.00203	.06616	7.7719	.54266	.36101	.58545	.11288
#1	.00606	16.562	-.00255	.09837	.12198	.11325	171.98
#2	.00606	16.547	-.00285	.09912	.12136	.11419	172.25
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	8.5517	15.147	8.4821	.37744	.12080	.00612	.24247
SDev	.0025	.003	.0103	.00022	.00003	.00185	.00023
%RSD	.02904	.02071	.12138	.05872	.02425	30.293	.09554
#1	8.5534	15.149	8.4748	.37759	.12082	.00481	.24264
#2	8.5499	15.145	8.4894	.37728	.12078	.00743	.24231
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.56190	.06369	.23643	.00966	.00352
SDev	.00052	.00034	.00170	.00259	.00363
%RSD	.09157	.53842	.71908	26.767	103.20
#1	.56227	.06345	.23523	.00783	.00608
#2	.56154	.06393	.23763	.01149	.00095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-9L 5X Operator: SW
Run Time: 06/14/04 11:22:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04828	.05133	.00355	.00478	.00003	16.313	.19951
SDev	.00003	.00088	.00291	.00485	.00016	.066	.00098
%RSD	.07023	1.7113	81.800	101.45	520.31	.40365	.48939
#1	.04825	.05071	.00150	.00135	.00014	16.266	.19882
#2	.04830	.05196	.00561	.00821	-.00008	16.359	.20020
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	.00108	3.0787	.00005	.02011	.02292	.02045	28.566
SDev	.00001	.0077	.00017	.00058	.00018	.00018	.079
%RSD	.94238	.24928	332.50	2.8978	.77445	.87336	.27670
#1	.00109	3.0733	.00018	.02052	.02279	.02033	28.510
#2	.00108	3.0842	-.00007	.01970	.02305	.02058	28.622
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	1.8214	2.8154	1.7929	.12876	.02261	-.00024	.04609
SDev	.0114	.0083	.0059	.00084	.00002	.00285	.00035
%RSD	.62599	.29576	.33000	.65116	.08504	1186.2	.76530
#1	1.8295	2.8095	1.7887	.12935	.02260	.00178	.04584
#2	1.8134	2.8213	1.7971	.12816	.02263	-.00226	.04634
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.10328	.00985	.05032	.00437	-.00035
SDev	.00017	.00040	.00060	.00420	.00314
%RSD	.16516	4.0440	1.1870	96.128	887.40
#1	.10316	.01013	.04989	.00140	.00186
#2	.10340	.00957	.05074	.00734	-.00257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-9MS Operator: SW
Run Time: 06/14/04 11:25:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.75193	.75718	1.8418	1.8834	.06514	130.15	2.8241
SDev	.00516	.01022	.0111	.0237	.00016	.56	.0005
%RSD	.68628	1.3503	.60279	1.2597	.24034	.42926	.01679
#1	.74828	.74995	1.8339	1.8666	.06503	129.75	2.8244
#2	.75558	.76441	1.8496	1.9002	.06525	130.54	2.8237
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	.05170	49.321	.12794	.54669	.31024	.34891	162.35
SDev	.00029	.336	.00074	.00341	.00191	.00076	.92
%RSD	.55994	.68142	.57520	.62352	.61496	.21865	.56930
#1	.05149	49.083	.12742	.54428	.30890	.34837	161.70
#2	.05190	49.558	.12846	.54910	.31159	.34945	163.00
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	44.763	52.389	H10.097	35.871	.55358	.20292	.72351
SDev	.100	.350	.052	.079	.00307	.00018	.00276
%RSD	.22451	.66725	.51857	.22116	.55499	.08881	.38151
#1	44.692	52.141	H10.059	35.815	.55141	.20305	.72156
#2	44.834	52.636	H10.134	35.927	.55575	.20279	.72546
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.99516	1.8995	.75543	1.8695	1.8135
SDev	.00793	.0097	.00854	.0195	.0073
%RSD	.79698	.51173	1.1302	1.0442	.40503
#1	.98955	1.8926	.74939	1.8557	1.8083
#2	1.0008	1.9063	.76147	1.8833	1.8187
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-9MSD Operator: SW
Run Time: 06/14/04 11:27:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.73817	.74973	1.8372	1.8728	.06451	143.24	2.8890
SDev	.00673	.00230	.0071	.0107	.00168	1.30	.0130
%RSD	.91202	.30622	.38679	.57108	2.6035	.90691	.45001
#1	.73341	.74811	1.8422	1.8653	.06332	142.32	2.8799
#2	.74293	.75135	1.8322	1.8804	.06569	144.16	2.8982
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	.05153	50.267	.12530	.54186	.31392	.36273	178.66
SDev	.00056	.702	.00105	.00629	.00374	.00226	2.18
%RSD	1.0810	1.3967	.83954	1.1602	1.1917	.62199	1.2227
#1	.05113	49.771	.12456	.53742	.31128	.36114	177.12
#2	.05192	50.764	.12604	.54631	.31657	.36433	180.21
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	45.666	53.267	H11.113	35.861	.55593	.21353	.73839
SDev	.379	.686	.150	.298	.00774	.00566	.00908
%RSD	.82900	1.2875	1.3465	.83091	1.3919	2.6515	1.2304
#1	45.398	52.782	H11.007	35.650	.55046	.20953	.73197
#2	45.934	53.752	H11.219	36.072	.56140	.21753	.74482
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.0503	1.8917	.74588	1.8610	1.7858
SDev	.0159	.0192	.00377	.0048	.0278
%RSD	1.5113	1.0160	.50587	.25619	1.5567
#1	1.0391	1.8781	.74321	1.8576	1.7661
#2	1.0615	1.9053	.74855	1.8644	1.8055
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-10 Operator: SW
Run Time: 06/14/04 11:30:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.16250	.17415	-.00189	.01115	-.00059	75.633	1.0641
SDev	.00498	.00118	.00689	.00084	.00021	.454	.0077
%RSD	3.0631	.67686	364.88	7.5194	35.948	.60077	.72716
#1	.15898	.17498	-.00676	.01056	-.00074	75.311	1.0587
#2	.16602	.17331	.00299	.01174	-.00044	75.954	1.0696
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	.00540	12.370	-.00062	.05992	.11549	.09704	136.68
SDev	.00004	.048	.00014	.00019	.00069	.00086	.74
%RSD	.73489	.38558	22.215	.31986	.59880	.88683	.53868
#1	.00538	12.336	-.00053	.06006	.11500	.09644	136.16
#2	.00543	12.404	-.00072	.05979	.11598	.09765	137.20
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	7.6217	15.821	5.1795	1.3408	.12297	.00177	.19526
SDev	.0251	.081	.0282	.0024	.00092	.00283	.00070
%RSD	.32879	.51147	.54504	.17943	.74791	160.00	.35656
#1	7.6040	15.763	5.1595	1.3391	.12232	-.00023	.19476
#2	7.6394	15.878	5.1994	1.3425	.12362	.00376	.19575
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.52244	.05015	.17027	.00681	.00566
SDev	.00026	.00056	.00087	.00285	.00182
%RSD	.04922	1.1158	.51169	41.930	32.148
#1	.52225	.05054	.16965	.00479	.00695
#2	.52262	.04975	.17088	.00883	.00437
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-11 Operator: SW
Run Time: 06/14/04 11:32:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.12121	.13030	.00314	.01773	.00066	75.442	1.5126
SDev	.00392	.00326	.00184	.00026	.00014	.098	.0000
%RSD	3.2365	2.5050	58.631	1.4507	21.431	.12948	.00126
#1	.12399	.12799	.00184	.01791	.00076	75.373	1.5126
#2	.11844	.13261	.00444	.01755	.00056	75.511	1.5126
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	.00829	34.106	.00380	.07577	.12355	.20407	143.36
SDev	.00003	.118	.00011	.00071	.00078	.00054	.60
%RSD	.35668	.34703	3.0048	.93006	.62785	.26254	.41896
#1	.00827	34.022	.00372	.07527	.12300	.20369	142.93
#2	.00831	34.190	.00389	.07627	.12410	.20445	143.78
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	7.3180	28.937	4.2589	.89252	.16500	.00405	.16340
SDev	.0135	.122	.0123	.00007	.00082	.00010	.00093
%RSD	.18466	.42250	.28918	.00808	.49764	2.5093	.56898
#1	7.3276	28.851	4.2502	.89257	.16442	.00412	.16274
#2	7.3084	29.024	4.2676	.89247	.16558	.00398	.16406
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.91869	.04722	.12728	.01287	.00443
SDev	.00543	.00007	.00087	.00044	.00019
%RSD	.59063	.14728	.68418	3.4279	4.3956
#1	.91485	.04727	.12666	.01256	.00429
#2	.92253	.04717	.12789	.01318	.00457
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-19 Operator: SW
Run Time: 06/14/04 11:35:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	3.7898	4.3704	-5.5734	-.02438	.00680	29.271	1.5618
SDev	.0118	.0766	.0966	.00374	.00194	.167	.0054
%RSD	.31062	1.7532	1.7333	15.330	28.623	.57177	.34626
#1	3.7981	4.3162	-5.5051	-.02702	.00817	29.152	1.5580
#2	3.7815	4.4246	-5.6417	-.02173	.00542	29.389	1.5656
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	.03859	27.968	.00465	.00916	.14001	.39962	184.95
SDev	.00036	.310	.00011	.00017	.00129	.00213	2.40
%RSD	.93130	1.1067	2.4261	1.8766	.92122	.53206	1.2975
#1	.03834	27.749	.00457	.00904	.13910	.39812	183.25
#2	.03885	28.187	.00473	.00928	.14092	.40112	186.64
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	2.4465	L-3.1533	H17.782	2.1553	.01080	.00533	.09612
SDev	.0423	.0823	.173	.0100	.00028	.00141	.00315
%RSD	1.7276	2.6099	.97089	.46277	2.5929	26.548	3.2802
#1	2.4166	L-3.2115	H17.660	2.1482	.01060	.00632	.09389
#2	2.4764	L-3.0951	H17.904	2.1623	.01100	.00433	.09835
Errors	LC Pass	LC Low	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
Units	PPM	PPM	PPM	PPM	PPM
Avge	2.9835	.63826	4.1771	L-1.8722	L-.10191
SDev	.0386	.00297	.0472	.0297	.00192
%RSD	1.2939	.46547	1.1296	1.5851	1.8807
#1	2.9562	.63616	4.1437	L-1.8512	L-.10326
#2	3.0108	.64036	4.2104	L-1.8932	L-.10055
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-21 Operator: SW
Run Time: 06/14/04 11:37:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	5.1844	5.9193	-6.8679	-.02742	.01071	42.359	2.3001
SDev	.0110	.0655	.0852	.00082	.00112	.148	.0032
%RSD	.21144	1.1071	1.2408	2.9762	10.473	.34950	.13762
#1	5.1767	5.8730	-6.8077	-.02684	.01151	42.254	2.2978
#2	5.1922	5.9657	-6.9282	-.02799	.00992	42.464	2.3023
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	.04573	45.846	.00476	.01035	.17007	.53926	H251.46
SDev	.00024	.382	.00017	.00017	.00041	.00915	2.02
%RSD	.52139	.83399	3.6843	1.6325	.24183	1.6971	.80175
#1	.04556	45.576	.00464	.01047	.16978	.53279	H250.04
#2	.04589	46.117	.00488	.01023	.17036	.54574	H252.89
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	3.9393	L-3.1358	H21.315	3.3945	.01313	.00623	.12490
SDev	.0239	.0672	.158	.0122	.00107	.00048	.00443
%RSD	.60589	2.1435	.74285	.36064	8.1444	7.7717	3.5442
#1	3.9224	L-3.1833	H21.203	3.3858	.01237	.00589	.12177
#2	3.9562	L-3.0883	H21.427	3.4032	.01388	.00657	.12803
Errors	LC Pass	LC Low	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
Units	PPM	PPM	PPM	PPM	PPM
Avge	3.3220	.77765	5.6746	L-2.3053	L-.13211
SDev	.0300	.00592	.0474	.0289	.00245
%RSD	.90255	.76125	.83461	1.2546	1.8573
#1	3.3008	.77346	5.6411	L-2.2849	L-.13385
#2	3.3432	.78183	5.7081	L-2.3258	L-.13038
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-23 Operator: SW
Run Time: 06/14/04 11:40:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.99185	1.1489	-1.4439	.00436	.01243	26.436	.15068
SDev	.01006	.0033	.0025	.00338	.00159	.017	.00058
%RSD	1.0146	.28704	.17488	77.693	12.797	.06373	.38609
#1	.98473	1.1513	-1.4457	.00675	.01131	26.448	.15109
#2	.99896	1.1466	-1.4421	.00196	.01355	26.424	.15027
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	.00571	.66956	-.00200	.00408	.09979	.10768	167.39
SDev	.00001	.00129	.00016	.00068	.00073	.00141	.88
%RSD	.16896	.19206	7.8701	16.657	.73043	1.3120	.52760
#1	.00570	.66865	-.00211	.00360	.09928	.10668	166.77
#2	.00572	.67047	-.00188	.00456	.10031	.10868	168.02
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	2.0474	-.12970	2.2183	.67552	.00607	.00489	.05930
SDev	.0226	.02103	.0082	.00189	.00022	.00313	.00070
%RSD	1.1014	16.211	.37043	.27985	3.6053	63.948	1.1869
#1	2.0314	-.14456	2.2125	.67685	.00623	.00268	.05880
#2	2.0633	-.11483	2.2241	.67418	.00592	.00710	.05979
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.38472	.23933	1.0966	L-.47792	L-.02220
SDev	.00368	.00098	.0012	.00142	.00489
%RSD	.95647	.41081	.10498	.29645	22.038
#1	.38212	.23863	1.0958	L-.47691	L-.02567
#2	.38732	.24002	1.0974	L-.47892	-.01874
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-28 Operator: SW
Run Time: 06/14/04 11:42:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	4.9394	5.4664	-5.4843	-.03387	-.01322	17.810	1.3843
SDev	.0027	.0447	.0583	.00567	.00050	.085	.0078
%RSD	.05550	.81857	1.0624	16.747	3.7573	.47497	.56242
#1	4.9413	5.4348	-5.4431	-.03788	-.01357	17.750	1.3788
#2	4.9374	5.4980	-5.5255	-.02986	-.01287	17.869	1.3898
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	.04489	31.551	.00551	.00522	.16647	.43568	123.76
SDev	.00013	.056	.00010	.00109	.00023	.00638	.06
%RSD	.28844	.17888	1.8463	20.896	.14038	1.4640	.04986
#1	.04480	31.591	.00558	.00599	.16630	.43117	123.71
#2	.04498	31.511	.00544	.00445	.16663	.44019	123.80
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	1.8274	L-5.7227	H15.781	4.3821	.01405	.00073	.08637
SDev	.0356	.0471	.008	.0197	.00111	.00178	.00175
%RSD	1.9491	.82384	.05283	.44913	7.9038	243.05	2.0300
#1	1.8526	L-5.6893	H15.775	4.3681	.01484	.00199	.08513
#2	1.8023	L-5.7560	H15.787	4.3960	.01327	-.00053	.08761
Errors	LC Pass	LC Low	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
Units	PPM	PPM	PPM	PPM	PPM
Avge	3.2306	.10162	5.2909	L-1.8489	L-.09958
SDev	.0070	.00045	.0289	.0156	.00548
%RSD	.21668	.44540	.54685	.84481	5.5007
#1	3.2355	.10194	5.2704	L-1.8378	L-.09571
#2	3.2256	.10130	5.3114	L-1.8599	L-.10346
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 06/14/04 11:45:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48650	.48347	.48229	.48214	.48520	47.331	.47488
SDev	.00177	.00498	.00511	.00211	.00395	.292	.00136
%RSD	.36384	1.0303	1.0601	.43799	.81472	.61652	.28560
#1	.48525	.47995	.47868	.48065	.48241	47.125	.47392
#2	.48776	.48699	.48591	.48363	.48800	47.537	.47584
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	.49340	49.611	.47002	.47207	.48366	.49812	19.994
SDev	.00473	.581	.00563	.00548	.00480	.00175	.180
%RSD	.95973	1.1704	1.1973	1.1603	.99260	.35185	.89808
#1	.49005	49.201	.46604	.46820	.48027	.49688	19.867
#2	.49675	50.022	.47400	.47594	.48706	.49936	20.120
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	19.576	49.657	.48202	19.553	.46333	.50367	.49911
SDev	.106	.569	.00262	.096	.00456	.00144	.00449
%RSD	.54224	1.1457	.54255	.49345	.98339	.28604	.90039
#1	19.501	49.254	.48017	19.485	.46011	.50265	.49594
#2	19.651	50.059	.48387	19.621	.46655	.50469	.50229
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.47893	.49357	.48448	.48219	.49580
SDev	.00677	.00742	.00391	.00311	.00269
%RSD	1.4132	1.5030	.80743	.64521	.54354
#1	.47414	.48833	.48172	.47999	.49389
#2	.48371	.49882	.48725	.48439	.49770
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 06/14/04 11:47:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00305	-.00010	.00498	.00109	.00026	.01692	-.00012
SDev	.00379	.00187	.00391	.00138	.00071	.00175	.00009
%RSD	124.16	1920.8	78.597	126.77	272.07	10.363	78.132
#1	.00574	-.00142	.00774	.00207	-.00024	.01816	-.00019
#2	.00037	.00123	.00221	.00011	.00076	.01568	-.00005
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	.02741	.00028	-.00004	.00007	.00006	.03092
SDev	.00002	.00348	.00014	.00056	.00088	.00057	.01534
%RSD	18.952	12.706	51.158	1348.0	1239.0	955.15	49.624
#1	.00012	.02987	.00018	-.00044	-.00055	-.00034	.02007
#2	.00009	.02495	.00038	.00035	.00069	.00046	.04176
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	.44495	.00311	.00169	.07360	-.00002	-.00037	-.00082
SDev	.04213	.00661	.00016	.00021	.00038	.00271	.00115
%RSD	9.4694	212.67	9.6931	.28074	1655.2	723.08	141.22
#1	.41515	-.00157	.00180	.07375	-.00029	-.00229	-.00163
#2	.47474	.00778	.00157	.07346	.00025	.00154	-.00000
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00093	-.00024	.00095	.00238	.00167
SDev	.00026	.00105	.00001	.00222	.00093
%RSD	27.500	436.87	1.4511	93.277	55.807
#1	-.00111	-.00099	.00096	.00396	.00101
#2	-.00075	.00050	.00094	.00081	.00233
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0406055-7 5X Operator: SW
Run Time: 06/14/04 12:06:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.05255	.04839	.00429	.00151	.00049	22.234	.69486
SDev	.00039	.00087	.00152	.00158	.00078	.100	.00177
%RSD	.74412	1.8059	35.415	104.96	158.77	.44957	.25410
#1	.05283	.04901	.00321	.00263	-.00006	22.164	.69361
#2	.05228	.04777	.00536	.00039	.00104	22.305	.69611
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	.00192	7.6912	.00225	.10687	.03389	.04664	28.744
SDev	.00003	.0794	.00027	.00141	.00077	.00070	.260
%RSD	1.5405	1.0318	11.962	1.3194	2.2604	1.4973	.90577
#1	.00190	7.6351	.00206	.10588	.03335	.04614	28.560
#2	.00194	7.7474	.00244	.10787	.03443	.04713	28.928
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	1.6828	7.3983	6.9942	.19000	.11545	.00258	.04651
SDev	.0445	.0872	.0586	.00138	.00165	.00340	.00094
%RSD	2.6455	1.1785	.83756	.72712	1.4307	131.80	2.0224
#1	1.6513	7.3366	6.9528	.18902	.11428	.00018	.04584
#2	1.7143	7.4599	7.0356	.19098	.11661	.00498	.04717
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.23557	.00549	.04978	.00243	.00294
SDev	.00256	.00278	.00071	.00055	.00266
%RSD	1.0878	50.565	1.4326	22.600	90.669
#1	.23376	.00353	.05028	.00282	.00482
#2	.23739	.00746	.04927	.00204	.00105
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-9 ~~5X~~ 2X Operator: SW
Run Time: 06/14/04 12:09:29
Comment:
Mode: CONC Corr. Factor: 1

SW 6/17/04

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.11785	.12463	.00349	.00392	.00040	41.044	.50124
SDev	.00196	.00166	.00463	.00138	.00037	.090	.00197
%RSD	1.6627	1.3318	132.69	35.277	91.948	.21816	.39283
#1	.11924	.12345	.00676	.00294	.00066	40.981	.49985
#2	.11647	.12580	.00022	.00489	.00014	41.107	.50263
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	7.8035	-.00081	.04986	.05723	.05153	74.513
SDev	.00002	.0139	.00002	.00015	.00036	.00011	.014
%RSD	.75328	.17794	2.8338	.29096	.62043	.22061	.01836
#1	.00268	7.8133	-.00079	.04997	.05748	.05145	74.522
#2	.00265	7.7937	-.00082	.04976	.05698	.05161	74.503
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	4.0335	7.0182	4.4827	.20769	.05606	.00023	.11575
SDev	.0093	.0021	.0002	.00020	.00051	.00039	.00012
%RSD	.22964	.03022	.00385	.09651	.90900	167.41	.10071
#1	4.0400	7.0197	4.4826	.20755	.05570	.00050	.11567
#2	4.0269	7.0167	4.4828	.20783	.05642	-.00004	.11583
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.25871	.02898	.12237	.00377	.00449
SDev	.00043	.00250	.00046	.00062	.00277
%RSD	.16514	8.6393	.37142	16.406	61.609
#1	.25901	.03075	.12205	.00421	.00645
#2	.25841	.02721	.12269	.00334	.00254
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-9D ~~5X~~ 2X Operator: SW
Run Time: 06/14/04 12:13:05
Comment:
Mode: CONC Corr. Factor: 1

SW 6/17/04

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.11558	.12356	.00280	.00654	-.00018	44.158	.52172
SDev	.00315	.00311	.00564	.00227	.00034	.161	.00186
%RSD	2.7245	2.5148	201.25	34.722	188.46	.36533	.35582
#1	.11781	.12136	.00679	.00494	.00006	44.044	.52041
#2	.11335	.12575	-.00119	.00815	-.00042	44.272	.52303
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	.00296	8.2065	-.00102	.04948	.06090	.05577	81.968
SDev	.00001	.0329	.00015	.00022	.00039	.00036	.356
%RSD	.31809	.40145	14.980	.44327	.64438	.64065	.43426
#1	.00295	8.1832	-.00112	.04932	.06062	.05551	81.717
#2	.00296	8.2298	-.00091	.04963	.06118	.05602	82.220
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	4.3047	7.5872	4.2295	.21951	.06157	.00095	.12160
SDev	.0016	.0440	.0196	.00125	.00012	.00134	.00117
%RSD	.03821	.58028	.46268	.56975	.19437	141.30	.95820
#1	4.3058	7.5560	4.2157	.21863	.06165	.00190	.12078
#2	4.3035	7.6183	4.2434	.22040	.06148	.00000	.12243
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.28179	.02907	.12090	.00530	-.00081
SDev	.00111	.00167	.00102	.00036	.00100
%RSD	.39429	5.7331	.84692	6.8456	123.23
#1	.28101	.03025	.12018	.00556	-.00152
#2	.28258	.02789	.12162	.00504	-.00010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-9L ~~25X~~ 10X Operator: SW
Run Time: 06/14/04 12:15:37
Comment:
Mode: CONC Corr. Factor: 1

SW 6/17/04

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02226	.02664	-.00120	.00180	.00039	8.2071	.09970
SDev	.00126	.00065	.00019	.00013	.00007	.0523	.00049
%RSD	5.6633	2.4516	15.554	7.2467	18.136	.63746	.48911
#1	.02315	.02711	-.00133	.00190	.00034	8.1701	.09935
#2	.02136	.02618	-.00107	.00171	.00044	8.2441	.10004
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	.00051	1.5312	.00009	.00994	.01176	.01038	13.943
SDev	.00000	.0121	.00009	.00000	.00003	.00029	.114
%RSD	.02473	.78796	104.55	.00172	.23840	2.8153	.82094
#1	.00051	1.5227	.00016	.00994	.01174	.01018	13.862
#2	.00051	1.5398	.00002	.00994	.01178	.01059	14.024
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	1.1526	1.4135	.89575	.10860	.01195	.00006	.02333
SDev	.0212	.0142	.00658	.00066	.00027	.00072	.00024
%RSD	1.8418	1.0063	.73434	.61130	2.2574	1272.9	1.0148
#1	1.1376	1.4034	.89110	.10813	.01176	.00057	.02316
#2	1.1677	1.4235	.90041	.10907	.01214	-.00045	.02350
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.05577	.00362	.02518	.00080	.00215
SDev	.00085	.00225	.00085	.00003	.00205
%RSD	1.5284	62.037	3.3968	3.1034	95.117
#1	.05517	.00203	.02579	.00082	.00360
#2	.05637	.00521	.02458	.00079	.00071
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-9MS ~~5X~~ 2X Operator: SW
Run Time: 06/14/04 12:18:08 SW 6/17/04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.38649	.39019	.92993	.94195	.03264	64.491	1.4202
SDev	.00246	.00580	.00766	.01541	.00009	.064	.0027
%RSD	.63569	1.4868	.82380	1.6361	.26125	.09939	.19310
#1	.38822	.38609	.92451	.93105	.03270	64.446	1.4221
#2	.38475	.39429	.93534	.95284	.03258	64.537	1.4182
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	.02612	24.594	.06569	.27728	.15757	.17222	78.287
SDev	.00012	.123	.00004	.00131	.00096	.00008	.319
%RSD	.45752	.50067	.05592	.47329	.61099	.04714	.40718
#1	.02604	24.507	.06572	.27635	.15689	.17228	78.061
#2	.02621	24.682	.06567	.27821	.15825	.17217	78.512
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	22.213	26.261	5.0651	17.850	.28372	.10113	.36700
SDev	.005	.156	.0174	.004	.00131	.00329	.00150
%RSD	.02114	.59423	.34265	.02067	.46276	3.2550	.40900
#1	22.216	26.151	5.0528	17.853	.28279	.10346	.36593
#2	22.209	26.371	5.0774	17.847	.28465	.09880	.36806
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50753	.95726	.38896	.93794	.91431
SDev	.00403	.00268	.00305	.01283	.00758
%RSD	.79365	.27953	.78452	1.3679	.82920
#1	.50468	.95916	.38680	.92887	.90895
#2	.51038	.95537	.39111	.94702	.91967
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-9MSD ~~5X~~ 2X Operator: SW
Run Time: 06/14/04 12:20:39 SW 6/17/04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.37873	.38431	.92871	.94991	.03276	71.258	1.4558
SDev	.00678	.00162	.00927	.01373	.00097	.474	.0023
%RSD	1.7897	.42213	.99809	1.4453	2.9500	.66498	.16097
#1	.37394	.38317	.92215	.94020	.03208	70.923	1.4541
#2	.38353	.38546	.93526	.95962	.03345	71.593	1.4575
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	.02634	25.394	.06552	.27779	.16116	.18025	86.895
SDev	.00028	.349	.00067	.00348	.00221	.00110	.993
%RSD	1.0587	1.3745	1.0209	1.2522	1.3688	.61252	1.1430
#1	.02615	25.148	.06505	.27533	.15960	.17947	86.192
#2	.02654	25.641	.06600	.28025	.16272	.18103	87.597
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	22.683	27.027	5.6260	17.858	.28793	.10556	.37704
SDev	.147	.364	.0613	.106	.00263	.00084	.00346
%RSD	.64777	1.3481	1.0895	.59539	.91238	.79956	.91854
#1	22.579	26.769	5.5827	17.783	.28608	.10496	.37459
#2	22.787	27.284	5.6694	17.933	.28979	.10615	.37949
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.54329	.95823	.38246	.94285	.92203
SDev	.00883	.00447	.00334	.01224	.01902
%RSD	1.6255	.46696	.87312	1.2986	2.0630
#1	.53705	.95507	.38010	.93419	.90858
#2	.54953	.96140	.38482	.95151	.93548
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-19 2X Operator: SW
Run Time: 06/14/04 12:23:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.9386	2.2455	-2.8911	-.01674	.00481	14.831	.79363
SDev	.0031	.0180	.0268	.00781	.00047	.091	.00405
%RSD	.16114	.80198	.92674	46.655	9.7442	.61034	.51099
#1	1.9364	2.2328	-2.8722	-.01122	.00448	14.767	.79077
#2	1.9408	2.2583	-2.9101	-.02226	.00514	14.895	.79650
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	.01970	14.179	.00298	.00415	.07101	.20560	89.636
SDev	.00012	.082	.00003	.00017	.00009	.00312	.730
%RSD	.60626	.58027	1.1277	4.1290	.13158	1.5162	.81432
#1	.01961	14.121	.00301	.00403	.07094	.20339	89.120
#2	.01978	14.237	.00296	.00427	.07108	.20780	90.152
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	1.3720	L-1.6273	8.9569	1.1373	.00471	.00239	.04983
SDev	.0040	.0196	.0573	.0037	.00011	.00271	.00164
%RSD	.29359	1.2030	.63995	.32591	2.3387	113.34	3.3009
#1	1.3691	L-1.6411	8.9163	1.1347	.00463	.00430	.04867
#2	1.3748	L-1.6134	8.9974	1.1400	.00479	.00047	.05100
Errors	LC Pass	LC Low	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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.5352	.32139	2.1433	L-.97390	L-.05512
SDev	.0102	.00174	.0131	.01413	.00003
%RSD	.66131	.54243	.60896	1.4510	.05578
#1	1.5281	.32263	2.1341	L-.96391	L-.05514
#2	1.5424	.32016	2.1525	L-.98390	L-.05510
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-21 3X Operator: SW
Run Time: 06/14/04 12:25:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.7711	2.0212	-2.4021	-.01374	.00326	13.858	.76650
SDev	.0214	.0106	.0234	.00613	.00084	.007	.00267
%RSD	1.2100	.52650	.97457	44.623	25.676	.05403	.34890
#1	1.7560	2.0136	-2.3855	-.00941	.00385	13.863	.76461
#2	1.7863	2.0287	-2.4187	-.01808	.00267	13.853	.76839
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	.01563	15.470	.00216	.00382	.05833	.18030	78.448
SDev	.00004	.042	.00004	.00024	.00094	.00019	.243
%RSD	.25966	.27063	1.7561	6.3399	1.6178	.10806	.30938
#1	.01561	15.441	.00218	.00399	.05900	.18016	78.277
#2	.01566	15.500	.00213	.00365	.05766	.18043	78.620
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	1.5142	L-1.1095	7.1239	1.1147	.00502	.00071	.04252
SDev	.0105	.0252	.0264	.0089	.00003	.00236	.00094
%RSD	.69466	2.2708	.37035	.80277	.59092	329.90	2.2142
#1	1.5216	L-1.0917	7.1052	1.1084	.00500	-.00095	.04318
#2	1.5067	L-1.1273	7.1425	1.1210	.00504	.00238	.04185
Errors	LC Pass	LC Low	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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.1597	.26221	1.9379	L-.80907	L-.04487
SDev	.0031	.00205	.0142	.01189	.00295
%RSD	.26815	.78109	.73453	1.4691	6.5749
#1	1.1575	.26076	1.9278	L-.80066	L-.04696
#2	1.1619	.26366	1.9480	L-.81747	L-.04279
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-28 2X Operator: SW
Run Time: 06/14/04 12:28:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.5194	2.7775	-2.8380	-.01475	-.00278	8.9325	.69205
SDev	.0085	.0287	.0314	.00005	.00061	.0586	.00250
%RSD	.33869	1.0341	1.1082	.30694	21.951	.65589	.36155
#1	2.5133	2.7572	-2.8157	-.01478	-.00321	8.8911	.69028
#2	2.5254	2.7978	-2.8602	-.01471	-.00235	8.9739	.69382
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	.02308	15.936	.00309	.00194	.08426	.22160	60.438
SDev	.00040	.171	.00011	.00034	.00068	.00309	.682
%RSD	1.7344	1.0712	3.6749	17.615	.80960	1.3920	1.1288
#1	.02279	15.815	.00317	.00169	.08378	.21942	59.956
#2	.02336	16.057	.00301	.00218	.08474	.22378	60.921
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	1.1104	L-2.9916	7.9583	2.2163	.00693	.00108	.04526
SDev	.0392	.0427	.0689	.0107	.00028	.00018	.00153
%RSD	3.5347	1.4264	.86588	.48169	4.0425	16.388	3.3778
#1	1.0827	L-3.0218	7.9096	2.2088	.00673	.00096	.04418
#2	1.1382	L-2.9614	8.0070	2.2239	.00713	.00121	.04634
Errors	LC Pass	LC Low	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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.6723	.04876	2.6915	L-.95487	L-.04871
SDev	.0203	.00098	.0220	.01044	.00156
%RSD	1.2110	2.0140	.81736	1.0936	3.2107
#1	1.6580	.04806	2.6760	L-.94749	L-.04982
#2	1.6866	.04945	2.7071	L-.96226	L-.04761
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406055-9A Operator: SW
Run Time: 06/14/04 12:30:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.2337	1.2112	1.0449	1.0800	-.00056	82.276	.98726
SDev	.0070	.0031	.0012	.0083	.00060	.161	.00339
%RSD	.56405	.25793	.11923	.76802	106.05	.19569	.34356
#1	1.2288	1.2090	1.0458	1.0741	-.00014	82.162	.98486
#2	1.2386	1.2134	1.0440	1.0859	-.00098	82.390	.98966
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	1.0063	16.341	.95051	1.0598	1.0734	1.1113	153.26
SDev	.0000	.026	.00081	.0008	.0008	.0029	.02
%RSD	.00097	.15948	.08479	.07381	.07426	.25677	.01501
#1	1.0064	16.359	.95108	1.0593	1.0740	1.1093	153.28
#2	1.0063	16.322	.94994	1.0604	1.0729	1.1133	153.25
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	7.9004	14.606	9.7407	.36355	1.0521	1.0209	1.2059
SDev	.0006	.013	.0020	.00030	.0000	.0042	.0008
%RSD	.00791	.08598	.02093	.08137	.00277	.40958	.06668
#1	7.9000	14.615	9.7393	.36376	1.0521	1.0179	1.2065
#2	7.9009	14.597	9.7422	.36334	1.0520	1.0238	1.2054
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.4746	1.0682	1.2187	1.0683	.98819
SDev	.0023	.0011	.0044	.0051	.00265
%RSD	.15876	.10217	.36113	.47903	.26772
#1	1.4763	1.0674	1.2156	1.0647	.99006
#2	1.4730	1.0689	1.2218	1.0719	.98632
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 06/14/04 12:33:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48189	.48392	.47888	.48779	.48296	47.374	.47419
SDev	.00200	.00122	.00698	.00019	.00209	.283	.00307
%RSD	.41457	.25134	1.4581	.03824	.43169	.59814	.64749
#1	.48047	.48306	.47394	.48766	.48149	47.173	.47202
#2	.48330	.48478	.48381	.48792	.48444	47.574	.47636
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	.49096	49.526	.46699	.47009	.48241	.49623	19.967
SDev	.00175	.122	.00019	.00156	.00057	.00331	.063
%RSD	.35729	.24661	.04183	.33162	.11834	.66713	.31617
#1	.48972	49.440	.46713	.46899	.48200	.49389	19.923
#2	.49220	49.612	.46685	.47119	.48281	.49858	20.012
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	19.600	49.584	.47989	19.559	.45948	.50244	.49797
SDev	.108	.128	.00092	.090	.00300	.00356	.00150
%RSD	.55207	.25812	.19252	.45877	.65248	.70889	.30082
#1	19.523	49.494	.47924	19.496	.45736	.49992	.49692
#2	19.676	49.675	.48054	19.622	.46160	.50495	.49903
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.47626	.48750	.48325	.48482	.49205
SDev	.00077	.00308	.00148	.00245	.00439
%RSD	.16189	.63070	.30554	.50524	.89280
#1	.47572	.48532	.48220	.48309	.49515
#2	.47681	.48967	.48429	.48655	.48894
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 06/14/04 12:36:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00096	.00129	-.00211	.00152	-.00013	-.00268	-.00019
SDev	.00006	.00215	.00401	.00078	.00001	.00359	.00005
%RSD	6.2535	166.64	190.27	51.047	10.870	133.83	24.299
#1	.00100	.00282	-.00494	.00207	-.00012	-.00014	-.00023
#2	.00092	-.00023	.00073	.00097	-.00014	-.00522	-.00016
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	.00007	.01863	.00034	-.00028	.00024	.00060	.02988
SDev	.00000	.00013	.00002	.00022	.00011	.00032	.00002
%RSD	.00000	.71346	5.8154	77.535	46.205	54.203	.04908
#1	.00007	.01873	.00036	-.00013	.00016	.00037	.02987
#2	.00007	.01854	.00033	-.00044	.00032	.00083	.02989
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	.46351	-.00202	.00110	.07088	.00018	-.00416	-.00049
SDev	.00856	.00289	.00002	.00070	.00017	.00080	.00000
%RSD	1.8457	143.45	2.1172	.98499	93.381	19.268	.00000
#1	.46956	.00003	.00112	.07138	.00006	-.00473	-.00049
#2	.45746	-.00406	.00109	.07039	.00030	-.00360	-.00049
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00081	-.00147	.00118	.00031	.00266
SDev	.00009	.00189	.00146	.00082	.00139
%RSD	10.532	128.10	123.21	261.20	52.259
#1	-.00087	-.00014	.00221	-.00026	.00364
#2	-.00075	-.00280	.00015	.00089	.00168
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: CRI Operator: SW
Run Time: 06/14/04 12:39:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00673	.00798	.01054	.00772	.01993	.40967	.38379
SDev	.00220	.00083	.00291	.00150	.00004	.00101	.00180
%RSD	32.679	10.372	27.613	19.419	.21383	.24551	.46823
#1	.00518	.00856	.00848	.00878	.01996	.40896	.38252
#2	.00829	.00739	.01260	.00666	.01990	.41038	.38506
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	.01006	9.4729	.01025	.09877	.01987	.05082	.18687
SDev	.00002	.0363	.00020	.00036	.00020	.00005	.00988
%RSD	.19988	.38277	1.9086	.36969	.98745	.09587	5.2871
#1	.01005	9.4472	.01039	.09852	.02001	.05078	.19385
#2	.01007	9.4985	.01011	.09903	.01973	.05085	.17988
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	8.7055	9.7225	.03036	8.4772	.07870	.11796	.10288
SDev	.0263	.0282	.00002	.0497	.00005	.00270	.00012
%RSD	.30269	.28966	.05131	.58583	.06291	2.2928	.11343
#1	8.6868	9.7026	.03035	8.4421	.07874	.11605	.10297
#2	8.7241	9.7424	.03037	8.5123	.07867	.11987	.10280
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.04058	.01054	.00756	.00866	.02068
SDev	.00017	.00034	.00018	.00003	.00136
%RSD	.42002	3.2756	2.3950	.35955	6.5961
#1	.04070	.01078	.00743	.00868	.02164
#2	.04046	.01030	.00769	.00864	.01971
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: ICSA Operator: SW
Run Time: 06/14/04 12:42:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01420	-.00908	-.00798	.01046	.00121	467.74	.00043
SDev	.00735	.00462	.00309	.00540	.00050	5.19	.00005
%RSD	51.761	50.891	38.754	51.666	40.911	1.1091	10.895
#1	.01939	-.01234	-.00579	.00664	.00157	464.07	.00046
#2	.00900	-.00581	-.01016	.01428	.00086	471.41	.00040
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	.00077	499.97	-.00231	.00346	.00132	-.00048	199.94
SDev	.00000	5.09	.00041	.00041	.00033	.00013	1.85
%RSD	.02476	1.0188	17.586	11.925	24.782	27.055	.92766
#1	.00077	496.37	-.00260	.00317	.00155	-.00057	198.63
#2	.00077	503.57	-.00202	.00375	.00109	-.00039	201.25
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	.23468	509.87	.00822	.10775	.00480	.00415	.00472
SDev	.01395	5.31	.00002	.00110	.00012	.00425	.00036
%RSD	5.9438	1.0412	.18941	1.0192	2.5091	102.27	7.6398
#1	.22482	506.12	.00823	.10853	.00472	.00716	.00447
#2	.24455	513.62	.00821	.10698	.00489	.00115	.00498
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01311	.00121	-.00133	.00432	.00087
SDev	.00017	.00071	.00063	.00257	.00219
%RSD	1.3001	58.444	47.794	59.609	251.87
#1	.01299	.00171	-.00178	.00250	.00242
#2	.01323	.00071	-.00088	.00614	-.00068
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	.04000	.02000	.00600	.01000	.02000

Method: TRACE Sample Name: ICSAB Operator: SW
Run Time: 06/14/04 12:44:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.05738	.03318	.04583	.05917	.20377	461.81	.45725
SDev	.00230	.00052	.00462	.00009	.00245	3.98	.00358
%RSD	3.9991	1.5744	10.076	.15376	1.2011	.86212	.78255
#1	.05900	.03281	.04256	.05910	.20204	458.99	.45472
#2	.05576	.03355	.04909	.05923	.20550	464.62	.45978
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	.45925	494.85	.83617	.43623	.44438	.51588	198.26
SDev	.00457	7.38	.01060	.00489	.00415	.00315	2.25
%RSD	.99481	1.4911	1.2671	1.1217	.93490	.61025	1.1336
#1	.45602	489.64	.82868	.43277	.44144	.51365	196.67
#2	.46248	500.07	.84366	.43969	.44732	.51811	199.85
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	.24290	504.44	.45847	.11310	.82882	.58812	.47499
SDev	.03258	6.64	.00456	.00038	.01118	.00631	.00519
%RSD	13.414	1.3156	.99369	.33826	1.3493	1.0732	1.0920
#1	.21986	499.75	.45525	.11337	.82091	.58365	.47133
#2	.26594	509.13	.46169	.11283	.83673	.59258	.47866
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.87193	.09587	.04124	.05473	.09193
SDev	.01265	.00747	.00042	.00160	.00068
%RSD	1.4512	7.7933	1.0081	2.9205	.74039
#1	.86298	.09059	.04153	.05360	.09145
#2	.88088	.10116	.04094	.05586	.09241
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000
Range	20.000	20.000	20.000	20.000	20.000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 06/14/04 12:47:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48059	.48592	.48239	.48572	.48433	47.604	.47451
SDev	.00431	.00779	.00526	.00951	.00162	.052	.00149
%RSD	.89703	1.6032	1.0909	1.9584	.33483	.11017	.31360
#1	.47754	.48041	.48611	.47899	.48319	47.567	.47346
#2	.48364	.49143	.47867	.49245	.48548	47.641	.47556
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	.49381	49.951	.47000	.47410	.48642	.49823	20.129
SDev	.00168	.193	.00209	.00085	.00163	.00052	.038
%RSD	.34083	.38559	.44473	.17982	.33477	.10423	.19105
#1	.49262	49.814	.46852	.47350	.48527	.49786	20.102
#2	.49500	50.087	.47147	.47470	.48757	.49860	20.156
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	19.693	49.982	.48120	19.640	.46085	.49984	.50091
SDev	.074	.187	.00188	.070	.00220	.00984	.00196
%RSD	.37570	.37468	.39051	.35621	.47641	1.9679	.39106
#1	19.641	49.850	.47987	19.590	.45929	.50680	.49952
#2	19.746	50.115	.48253	19.689	.46240	.49289	.50229
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.48050	.49523	.48415	.48461	.49334
SDev	.00283	.00504	.00663	.00459	.00398
%RSD	.58839	1.0182	1.3698	.94765	.80694
#1	.47850	.49166	.47946	.48136	.49052
#2	.48250	.49879	.48883	.48786	.49615
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 06/14/04 12:50:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00356	.00036	.00238	-.00032	.00053	.01200	-.00016
SDev	.00231	.00038	.00482	.00050	.00089	.00364	.00019
%RSD	64.718	103.07	202.42	153.79	168.14	30.386	117.36
#1	.00519	.00010	.00579	.00003	-.00010	.00942	-.00029
#2	.00193	.00063	-.00103	-.00067	.00116	.01457	-.00003
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	.00013	.03253	.00036	-.00011	.00037	.00074	.02891
SDev	.00003	.00000	.00017	.00085	.00073	.00075	.01064
%RSD	22.749	.00000	48.113	771.79	194.45	101.36	36.811
#1	.00011	.03253	.00024	-.00071	-.00014	.00021	.02139
#2	.00015	.03253	.00049	.00049	.00089	.00127	.03644
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	.49155	.01359	.00098	.07318	.00048	-.00060	-.00090
SDev	.08913	.00961	.00013	.00245	.00063	.00034	.00081
%RSD	18.132	70.703	13.477	3.3535	131.77	56.709	89.878
#1	.42853	.00680	.00089	.07145	.00003	-.00083	-.00147
#2	.55457	.02039	.00108	.07492	.00092	-.00036	-.00033
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00105	-.00230	.00143	.00058	.00315
SDev	.00009	.00034	.00052	.00194	.00115
%RSD	8.1148	14.827	36.247	334.94	36.628
#1	-.00111	-.00206	.00179	.00195	.00396
#2	-.00099	-.00255	.00106	-.00079	.00233
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

HEADER INFORMATION FOR ANALYTICAL SEQUENCE T40712A

SW

Reviewed BC 7/13/04

STANDARD SOLUTION CODES

MIX A High Standard (ST040602-1) exp 06/02/05

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

---

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

4.0ml Intermediate Mix (ST040602-2) exp 05/21/05
0.04ml 1000ug/ml Ag (ST040602-37) exp 08/21/05
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

---

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

0.1ml Intermediate RL STD MIX 1 (ST040602-7) exp 5/21/05
0.1ml Intermediate RL STD MIX 2 (ST040602-8) exp 6/02/05

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

Element	Concentration (ug/ml)
Ca,Mg,Na,K	0.5
Al,Fe	0.1
Sb	0.008
Pb	0.003
Ba,Cr,Co,Cu	0.002
Mn,Ag,V	0.002
Be,Cd	0.001

ICSA (preparation date: 07/12/04)
Made by diluting:
10ml (ST040525-43) exp 11/07/05
to 100ml final volume

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

ICSAB (prepraration date: 07/01/04)
Made by diluting:
10ml (ST040525-43) exp 11/07/05
1.0ml (ST040525-42) exp 11/13/05
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Cd,Ni,Zn	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: 07/12/04
made by diluting:
0.5ml IV-7 (ST040521-31) exp 06/01/05
0.5ml IV-19 (ST040521-32) exp 06/01/05
5.0ml Major Element 2nd source (ST040602-3) exp 06/02/05
to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	50.5

Fe,Na	20.5
K	20.0
Ba,Be,Cd,Co,Cr	0.5
Cu,Mn,Ni,Sb,V,Zn	0.5
As,Pb,Se,Tl	0.5
Ag	0.5

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
Ba,Be,Cd,Co,Cr	0.25
Cu,Mn,Ni,Sb,V,Zn	0.25
As,Pb,Se,Tl	0.25
Ag	0.25

CRI (preparation date: 07/12/04)
Made by diluting:
1.0ml intermediate solution 1 (ST040602-4) exp 11/07/05
1.0ml intermediate solution 2 (ST040602-5) exp 11/07/05
1.0ml intermediate solution 3 (ST040602-6) exp 11/07/05
0.5ml 2000ug/ml Ca,Mg,Na,K (ST040601-4) exp 11/07/05
to 100ml final volume.

Element	ug/ml
Ca,Mg,Na,K	10.0
Fe	0.2
Al,Ba	0.4
Tl,Cr,Ag	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 -- A16051
HCl -- X25027

Pipet ID Numbers

1.0 to 5.0ml M-58

0.1 to 1.0ml AB-007

0.01 to 0.1ml M-57

Date of Multi-point calibration: 07/12/04

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
Ni (10)	Pb,Al
V (10)	Al,Be,Fe

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.

ANALYTICAL SPIKES

0406187-7A post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Ba 1.0

0.05ml of "IV-7 Spike" (ST040521-31) 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 Daily Maintenance Performed SW
3. Check and record As profile
4. Record As,Se signal:background ratios

Monthly Maintenance Items

1. Check/Clean torch for deposits Monthly Maintenance Performed
2. Check/Clean nebulizer and spray chamber on 06/15/04 (SW)
3. Fill water recirculating reservoir
4. Clean air filters
5. Check/Fill vacuum pump oil

Multi-point calibrations performed at beginning of sequence
Blank; RL STD;

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	MIXBHIGH	T	TRACE	07/12/04	14:49	SW	Q	CONC
2	MIXAHIGH	T	TRACE	07/12/04	14:52	SW	Q	CONC
3	ICV	T	TRACE	07/12/04	14:55	SW	Q	CONC
4	ICB	T	TRACE	07/12/04	14:59	SW	B	CONC
5	CRI	T	TRACE	07/12/04	15:02	SW	S	CONC
6	ICSA	T	TRACE	07/12/04	15:06	SW	Q	CONC
7	ICSAB	T	TRACE	07/12/04	15:08	SW	Q	CONC
8	CCV	T	TRACE	07/12/04	15:11	SW	Q	CONC
9	CCB	T	TRACE	07/12/04	15:20	SW	B	CONC
10	IP040709-2MB	T	TRACE	07/12/04	15:22	SW	S	CONC
11	IP040709-2LCS	T	TRACE	07/12/04	15:26	SW	S	CONC
12	0405096-1 (1) - Pb	T	TRACE	07/12/04	15:29	SW	S	CONC
13	0405096-1D	T	TRACE	07/12/04	15:31	SW	S	CONC
14	0405096-1L 5X	T	TRACE	07/12/04	15:34	SW	S	CONC
15	0405096-1MS	T	TRACE	07/12/04	15:36	SW	S	CONC
16	0405096-1MSD	T	TRACE	07/12/04	15:39	SW	S	CONC
17	0405096-2 (1)	T	TRACE	07/12/04	15:41	SW	S	CONC

(1) = Al, Fe, Mn, As, Pb

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
18	0405096-3 ①	T	TRACE	07/12/04	15:44	SW	S	CONC
19	0405096-4	T	TRACE	07/12/04	15:46	SW	S	CONC
20	CCV	T	TRACE	07/12/04	15:49	SW	Q	CONC
21	CCB	T	TRACE	07/12/04	15:51	SW	B	CONC
22	0405096-5 ① -Pb, Fe	T	TRACE	07/12/04	15:54	SW	S	CONC
23	0405096-6	T	TRACE	07/12/04	15:56	SW	S	CONC
24	0405096-7 ① -Pb	T	TRACE	07/12/04	15:59	SW	S	CONC
25	0405096-8	T	TRACE	07/12/04	16:01	SW	S	CONC
26	0405096-9 ①	T	TRACE	07/12/04	16:04	SW	S	CONC
27	0405096-10 ① -Pb	T	TRACE	07/12/04	16:06	SW	S	CONC
28	0405096-11 ①	T	TRACE	07/12/04	16:09	SW	S	CONC
29	0405096-12	T	TRACE	07/12/04	16:11	SW	S	CONC
30	0405096-13 ① -Pb Mn, Fe	T	TRACE	07/12/04	16:14	SW	S	CONC
31	0405096-14 ①	T	TRACE	07/12/04	16:16	SW	S	CONC
32	CCV	T	TRACE	07/12/04	16:19	SW	Q	CONC
33	CCB	T	TRACE	07/12/04	16:21	SW	B	CONC
34	0405096-15	T	TRACE	07/12/04	16:24	SW	S	CONC
35	0405096-16	T	TRACE	07/12/04	16:26	SW	S	CONC
36	0405096-17 ① -Pb, Fe	T	TRACE	07/12/04	16:29	SW	S	CONC
37	0405096-18 ① -Mn, Pb	T	TRACE	07/12/04	16:31	SW	S	CONC
38	0405096-19 ①	T	TRACE	07/12/04	16:34	SW	S	CONC
39	0405096-20	T	TRACE	07/12/04	16:36	SW	S	CONC
40	A1	T	TRACE	07/12/04	16:42	SW	S	CONC
41	B1	T	TRACE	07/12/04	16:45	SW	S	CONC
42	C1	T	TRACE	07/12/04	16:47	SW	S	CONC
43	0405096-1 5X Pb	T	TRACE	07/12/04	16:50	SW	S	CONC
44	CCV	T	TRACE	07/12/04	16:53	SW	Q	CONC
45	CCB	T	TRACE	07/12/04	16:55	SW	B	CONC
46	0405096-1D 5X	T	TRACE	07/12/04	16:58	SW	S	CONC
47	0405096-1L 25X	T	TRACE	07/12/04	17:00	SW	S	CONC
48	0405096-1MS 5X	T	TRACE	07/12/04	17:04	SW	S	CONC
49	0405096-1MSD 5X + Fe	T	TRACE	07/12/04	17:06	SW	S	CONC
50	0405096-5 2X	T	TRACE	07/12/04	17:09	SW	S	CONC
51	0405096-6 2X	T	TRACE	07/12/04	17:11	SW	S	CONC
52	0405096-7 2X	T	TRACE	07/12/04	17:14	SW	S	CONC
53	0405096-8 5X	T	TRACE	07/12/04	17:16	SW	S	CONC
54	0405096-10 2X	T	TRACE	07/12/04	17:19	SW	S	CONC
55	0405096-13 2X + MN, Fe	T	TRACE	07/12/04	17:21	SW	S	CONC
56	CCV	T	TRACE	07/12/04	17:24	SW	Q	CONC
57	CCB + Fe	T	TRACE	07/12/04	17:26	SW	B	CONC
58	0405096-17 2X + Mn	T	TRACE	07/12/04	17:29	SW	S	CONC
59	0405096-18 2X	T	TRACE	07/12/04	17:32	SW	S	CONC
60	0406187-7A Ba	T	TRACE	07/12/04	17:34	SW	S	CONC
61	IDL-1 TAL	T	TRACE	07/12/04	17:43	SW	S	CONC
62	IDL-2	T	TRACE	07/12/04	17:46	SW	S	CONC
63	IDL-3	T	TRACE	07/12/04	17:51	SW	S	CONC
64	IDL-4	T	TRACE	07/12/04	17:53	SW	S	CONC
65	IDL-5	T	TRACE	07/12/04	17:58	SW	S	CONC
66	IDL-6	T	TRACE	07/12/04	18:00	SW	S	CONC
67	IDL-7	T	TRACE	07/12/04	18:03	SW	S	CONC
68	CCV	T	TRACE	07/12/04	18:06	SW	Q	CONC
69	CCB	T	TRACE	07/12/04	18:08	SW	B	CONC
70	CRI	T	TRACE	07/12/04	18:11	SW	S	CONC
71	ICSA	T	TRACE	07/12/04	18:16	SW	Q	CONC

① = Al, Fe, Mn, As, Pb

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
72	ICSAB	T	TRACE	07/12/04	18:19	SW	Q	CONC
73	CCV	T	TRACE	07/12/04	18:21	SW	Q	CONC
74	CCB	T	TRACE	07/12/04	18:24	SW	B	CONC
75	IP040709-3MB	T	TRACE	07/12/04	18:28	SW	S	CONC
76	IP040709-3LCS	T	TRACE	07/12/04	18:31	SW	S	CONC
77	0405096-21	T	TRACE	07/12/04	18:33	SW	S	CONC
78	0405096-21D	T	TRACE	07/12/04	18:36	SW	S	CONC
79	0405096-21L 5X	T	TRACE	07/12/04	18:38	SW	S	CONC
80	0405096-21MS	T	TRACE	07/12/04	18:41	SW	S	CONC
81	0405096-21MSD	T	TRACE	07/12/04	18:43	SW	S	CONC
82	0405096-22	T	TRACE	07/12/04	18:46	SW	S	CONC
83	0405096-23	T	TRACE	07/12/04	18:48	SW	S	CONC
84	0405096-24	T	TRACE	07/12/04	18:51	SW	S	CONC
85	CCV	T	TRACE	07/12/04	18:53	SW	Q	CONC
86	CCB	T	TRACE	07/12/04	18:56	SW	B	CONC
87	0405096-25	T	TRACE	07/12/04	18:58	SW	S	CONC
88	0405096-26	T	TRACE	07/12/04	19:01	SW	S	CONC
89	0405096-27	T	TRACE	07/12/04	19:03	SW	S	CONC
90	0405096-28	T	TRACE	07/12/04	19:06	SW	S	CONC
91	0405096-29	T	TRACE	07/12/04	19:08	SW	S	CONC
92	0405096-30	T	TRACE	07/12/04	19:11	SW	S	CONC
93	0405096-31	T	TRACE	07/12/04	19:13	SW	S	CONC
94	0405096-32	T	TRACE	07/12/04	19:16	SW	S	CONC
95	0405097-1	T	TRACE	07/12/04	19:18	SW	S	CONC
96	0405097-2	T	TRACE	07/12/04	19:21	SW	S	CONC
97	CCV	T	TRACE	07/12/04	19:23	SW	Q	CONC
98	CCB	T	TRACE	07/12/04	19:26	SW	B	CONC
99	0405097-3	T	TRACE	07/12/04	19:28	SW	S	CONC
100	0405097-4	T	TRACE	07/12/04	19:31	SW	S	CONC
101	0405097-5	T	TRACE	07/12/04	19:34	SW	S	CONC
102	0405097-6	T	TRACE	07/12/04	19:36	SW	S	CONC
103	0405097-7	T	TRACE	07/12/04	19:39	SW	S	CONC
104	0405097-8	T	TRACE	07/12/04	19:41	SW	S	CONC
105	CRI	T	TRACE	07/12/04	19:44	SW	S	CONC
106	ICSA	T	TRACE	07/12/04	19:46	SW	Q	CONC
107	ICSAB	T	TRACE	07/12/04	19:49	SW	Q	CONC
108	CCV	T	TRACE	07/12/04	19:51	SW	Q	CONC
109	CCB	T	TRACE	07/12/04	19:54	SW	B	CONC

① - Pb* Fe

① - Pb*, Fe

① - Pb*, Fe

① - Pb*, Fe

① - Mn, Pb*

①

① = Al, Fe, Mn, As, Pb

* = dilutions will be analyzed in next sequence

#	Element	MIXBHIGH	MIXAHIGH	ICV	ICB	CRI	ICSA
1	Al	.08474	498.04	24.869	-.02107	.42690	481.69
2	Sb	2.0091	.01297	.25390	-.00081	.12506	.00447
3	As	9.9920	.00019	.25293	.00020	.01180	.00083
4	Ba	10.003	.00198	.24133	-.00006	.39276	.00028
5	Be	9.9880	.00233	.25561	.00041	.01053	.00111
6	Cd	9.9748	.00069	.24784	.00004	.00998	.00004
7	Ca	.03330	497.45	25.312	.01338	9.6716	499.66
8	Cr	9.9551	.00526	.24487	.00014	.01979	.00006
9	Co	9.9856	.00488	.24512	.00022	.10064	.00393
10	Cu	10.045	.00388	.25003	.00052	.05106	-.00120
11	Fe	-.00730	199.64	10.187	.00554	.19163	201.60
12	Pb	9.9579	.00339	.25053	.00116	.00660	-.00104
13	Mg	-.04555	497.78	25.325	-.02710	9.8932	503.00
14	Mn	9.9580	.00844	.24747	.00016	.03052	.00730
15	Ni	9.9860	.00348	.24118	-.00025	.07947	.00271
16	K_	.13038	99.680	9.9371	.29059	8.9192	.15401
17	Se	10.028	.00347	.24841	-.00281	.00859	-.00578
18	Ag	1.9932	.00082	.24927	.00029	.02024	.00078
19	Na	.09900	99.060	10.097	.05562	8.8768	.12290
20	Tl	9.9537	-.00645	.25772	-.00261	.01812	-.00456
21	V_	9.9752	.00594	.25186	.00007	.10298	.00454
22	Zn	9.9296	.01230	.24738	.00058	.04478	.01114

#	Element	ICSAB	CCV	CCB	IPO'-2MB	IPO'2LCS	040'96-1
					-0709	→	-096
1	Al	484.53	50.505	.00604	-.02746	5.1866	49.347
2	Sb	.57868	.48598	-.00283	-.00247	.01988	.00391
3	As	.09570	.50198	-.00123	.00003	.52302	.02735
4	Ba	.46524	.48569	-.00045	-.00049	.47481	.29052
5	Be	.46454	.50700	.00004	.00000	.51050	.00173
6	Cd	.87314	.48751	-.00028	-.00052	.60331	.00102
7	Ca	490.95	51.214	.03514	.02546	.02213	C.00000
8	Cr	.44317	.49298	.00041	.00012	.49202	.09351
9	Co	.44618	.48441	.00003	-.00017	.49328	.04717
10	Cu	.52923	.50859	.00031	.00018	.50307	.06379
11	Fe	200.03	20.799	.02805	.01336	4.8653	98.949
12	Pb	.04959	.49753	.00112	.00129	.60098	k.00012
13	Mg	497.89	50.932	.00340	-.03448	-.03899	47.735
14	Mn	.46498	.49294	.00001	-.00018	.49865	2.9601
15	Ni	.85625	.48096	.00036	-.00062	.49904	.03265
16	K_	.10012	20.775	.31656	.27535	.27646	13.124
17	Se	.04861	.49474	.00095	.00005	.52894	.00037
18	Ag	.20928	.50325	-.00009	-.00019	.01989	.00036
19	Na	.13607	20.853	.05805	.05981	.06000	77.085
20	Tl	.09338	.51182	-.00059	-.00394	-.00428	-.00654
21	V_	.47842	.50524	-.00043	-.00018	.49668	.23616
22	Zn	.88279	.49141	.00019	.00328	.50627	.15411

#	Element	040'6-1D	040'L 5X	040'-1MS	040'1MSD	040'96-2	040'96-3
		~096	→				
1	Al	48.528	10.447	61.350	53.230	86.335	63.348
2	Sb	.00639	.00039	.01258	.01219	.00397	.00324
3	As	.02516	.00456	.52983	.52241	.06745	.03876
4	Ba	.25923	.06191	.68982	.67842	.22183	.19214
5	Be	.00141	.00045	.45584	.45607	.00134	.00120
6	Cd	.00067	-.00011	.49084	.49106	.00812	.00500
7	Ca	C.00000	348.49	C.00000	C.00000	144.27	299.92
8	Cr	.08214	.02030	.50063	.50203	.23409	.20337
9	Co	.04606	.01045	.47124	.46413	.06442	.04259
10	Cu	.07839	.01287	.56211	.53857	.12758	.09109
11	Fe	97.966	20.429	113.97	96.232	171.39	103.33
12	Pb	k.00283	.00351	k.52797	k.53397	.02192	.01669
13	Mg	46.731	10.571	49.730	43.137	68.851	52.097
14	Mn	2.7892	.64805	3.3054	3.1860	1.8386	1.3486
15	Ni	.02922	.00663	.44044	.43816	.07978	.06417
16	K_	11.745	2.5082	11.881	11.675	15.223	14.379
17	Se	.00389	.00113	.50005	.49860	.01478	.00425
18	Ag	.00051	.00024	.01922	.01924	.00039	.00033
19	Na	68.357	15.486	68.345	67.860	76.983	79.796
20	Tl	-.00842	-.00145	-.00477	-.00662	-.01029	-.00820
21	V_	.23960	.05088	.69646	.66120	.39872	.23884
22	Zn	.17178	.03447	.59053	.55990	.28673	.22209

#	Element	040'96-4	CCV	CCB	040'96-5	040'96-6	040'96-7
		~096			~096	→	
1	Al	70.237	49.808	.00232	87.250	138.53	64.045
2	Sb	.00270	.47938	-.00345	.00638	-.00038	.00247
3	As	.02263	.50331	-.00072	.04008	.01615	.06297
4	Ba	.26150	.47457	-.00045	.61706	.29592	.25932
5	Be	.00657	.50661	.00004	.00938	.00274	.00361
6	Cd	.00047	.48283	-.00037	-.00054	-.00492	.00135
7	Ca	8.6639	50.632	.05550	13.539	73.904	H642.38
8	Cr	.13396	.48909	.00040	.34536	.43707	.20010
9	Co	.04941	.48218	-.00041	.05792	.09670	.04060
10	Cu	.09699	.50049	.00021	.11493	.16183	.09799
11	Fe	160.31	20.655	.02525	H206.29	H370.58	173.63
12	Pb	.08792	.49489	.00200	.15864	.01484	.15333
13	Mg	47.868	50.577	.00294	54.968	113.88	74.361
14	Mn	3.9939	.48826	.00026	6.8506	5.4367	2.6822
15	Ni	.17165	.47188	.00026	.17916	.60894	.06991
16	K_	7.2537	20.197	.30291	11.591	21.988	26.669
17	Se	.00970	.49729	.00059	.00837	.01028	L-.04249
18	Ag	.00014	.50097	.00012	.00033	-.00007	-.00068
19	Na	9.7712	20.358	.06234	23.283	9.1434	H157.99
20	Tl	.00013	.51464	-.00098	-.00493	.01290	-.00889
21	V_	.25799	.50179	-.00094	.35390	.42184	.28609
22	Zn	1.1558	.49334	.00032	1.0066	.44865	.37284

#	Element	040'96-8	040'96-9	040'6-10	040'6-11	040'6-12	040'6-13
		~096					
1	Al	56.809	76.629	57.485	8.4084	6.1067	94.663
2	Sb	.00349	.00297	.00413	-.00078	.00144	.00307
3	As	.03768	.16621	.00954	.01676	.09259	.01679
4	Ba	.23610	.38751	.31821	.06515	.04868	.34184
5	Be	.00281	.00678	.00204	.00441	.00346	.00939
6	Cd	.00116	.01701	.00000	-.00043	-.00045	-.00117
7	Ca	H1435.9	158.55	H568.00	.65244	.78752	9.4382
8	Cr	.22454	.29076	.18246	.25459	.28577	.32132
9	Co	.03422	.03778	.03940	.00417	.00343	.08117
10	Cu	.07719	.19207	.11407	.03399	.03024	.06949
11	Fe	111.43	173.48	111.02	49.333	43.691	H239.79
12	Pb	.10042	.14639	.08061	.14063	.08817	.04892
13	Mg	61.910	88.032	50.762	1.0054	.79320	69.397
14	Mn	2.9519	1.8629	2.1440	.75659	.35220	H10.889
15	Ni	.07950	.11775	.06936	.01697	.01490	.07809
16	K_	17.969	25.745	23.624	3.3050	3.5324	11.259
17	Se	L-.05835	.00501	L-.01293	.00036	-.00248	.00711
18	Ag	-.00108	-.00040	-.00049	.00396	.00654	-.00073
19	Na	94.859	C.00000	50.672	2.7030	2.0119	3.7333
20	Tl	-.00907	-.00439	-.00914	-.00036	-.00384	.00422
21	V_	.19312	.36450	.19887	.01271	.01309	.35275
22	Zn	.31978	.65867	.28480	.10885	.07791	.61083

#	Element	040'6-14	CCV	CCB	040'6-15	040'6-16	040'6-17
		~096			~096		
1	Al	59.556	49.996	.02897	80.266	68.231	85.971
2	Sb	.00344	.48199	-.00283	.00031	.00077	.00743
3	As	.01690	.49931	.00233	.01633	.01657	.02372
4	Ba	.36406	.47606	-.00034	.64148	.46420	.43167
5	Be	.00502	.50525	.00017	.00595	.00554	.00844
6	Cd	-.00028	.48378	-.00028	.00012	-.00003	.00034
7	Ca	7.4685	50.760	.06159	12.836	8.2710	8.0079
8	Cr	.22511	.48842	.00069	.35119	.21217	.31890
9	Co	.03792	.48459	-.00038	.05265	.04948	.05974
10	Cu	.06602	.50193	.00015	.09595	.10118	.10943
11	Fe	137.90	20.654	.04422	177.21	161.23	H210.80
12	Pb	.05148	.49513	.00071	.07053	.04997	.09802
13	Mg	41.914	50.660	.01597	57.183	47.229	52.963
14	Mn	2.3806	.48819	.00076	3.9007	2.9853	6.9782
15	Ni	.12035	.47446	.00070	.19640	.16974	.25668
16	K_	7.2804	20.366	.28802	11.123	8.3872	11.003
17	Se	.00563	.49848	.00180	.00886	.00440	.01049
18	Ag	.00072	.50239	.00000	.00048	-.00024	.00029
19	Na	2.9139	20.554	.06494	3.4593	3.1082	2.8809
20	Tl	-.00662	.50936	-.00225	.00895	.00358	.01358
21	V_	.21968	.50141	-.00031	.28264	.24063	.32465
22	Zn	.63423	.49412	.00070	.89846	.82713	1.2239

#	Element	040'6-18	040'6-19	040'6-20	A1	B1	C1
		-096					
1	Al	49.018	16.959	79.329	-.03044	-.02958	-.03086
2	Sb	.00186	.00075	.00495	-.00318	-.00293	-.00179
3	As	.05923	.02071	.02063	.97371	1.0485	1.0008
4	Ba	.56850	.13495	.54926	-.00054	-.00050	-.00053
5	Be	.01109	.00635	.00681	.00000	.00000	.00000
6	Cd	-.00029	-.00055	.00039	-.00042	-.00044	-.00041
7	Ca	3.3752	1.2668	9.5153	-.01102	-.00944	-.00997
8	Cr	.25825	.23378	.30273	-.00077	-.00025	-.00050
9	Co	.05305	.00822	.05219	.00009	-.00017	-.00005
10	Cu	.04803	.03207	.08550	-.00022	-.00002	-.00005
11	Fe	169.78	78.638	181.06	.01333	.01279	.00944
12	Pb	.44712	.15339	.07699	.00116	-.00008	-.00114
13	Mg	20.119	4.1931	55.903	-.04145	-.04022	-.04452
14	Mn	H13.641	1.6067	3.9566	.00014	-.00011	-.00023
15	Ni	.04920	.01386	.18524	-.00069	-.00038	-.00057
16	K_	9.8315	5.4451	8.9365	.27763	.27280	.29100
17	Se	L-.03414	-.00091	.00294	.00008	-.00171	.00033
18	Ag	-.00271	-.00039	.00095	-.00027	.00017	.00032
19	Na	2.0789	2.4759	3.2950	.04500	.04448	.04497
20	Tl	.00463	-.00199	-.00577	-.00143	.00025	.00086
21	V_	.10476	.03926	.29017	-.00031	-.00031	-.00018
22	Zn	1.5113	.29616	.99483	-.00070	-.00032	.00096

#	Element	040'1 5X	CCV	CCB	040'D 5X	040' 25X	040'S 5X
		-096				-096	
		1			1D	1L	1MS
1	Al	10.446	49.806	-.00074	10.302	2.1251	12.951
2	Sb	.00256	.47834	-.00133	-.00148	-.00062	.00240
3	As	.00725	.50240	.00254	.00347	.00080	.11326
4	Ba	.06157	.47191	-.00038	.05497	.01221	.14608
5	Be	.00042	.50388	.00010	.00037	.00011	.09736
6	Cd	-.00012	.48113	-.00031	-.00011	-.00024	.10972
7	Ca	347.62	50.855	.04774	308.18	67.405	300.36
8	Cr	.02033	.48820	.00014	.01783	.00383	.11012
9	Co	.01014	.48269	-.00072	.01005	.00184	.10323
10	Cu	.01287	.49963	.00036	.01602	.00283	.11380
11	Fe	20.374	20.627	.02870	20.287	4.0649	23.431
12	Pb	.00280	.49156	.00066	.00293	.00119	.11878
13	Mg	10.544	50.442	-.00701	10.379	2.1985	11.003
14	Mn	.64265	.48568	.00045	.60769	.13401	.71799
15	Ni	.00747	.47193	.00028	.00604	.00092	.09840
16	K_	2.4871	20.155	.27640	2.2503	.64329	2.2642
17	Se	.00313	.49098	-.00205	-.00008	.00111	.10401
18	Ag	.00061	.50064	-.00018	.00024	.00051	.00457
19	Na	15.494	20.373	.06083	13.662	2.8601	13.650
20	Tl	-.00351	.51185	-.00337	-.00219	-.00020	-.00657
21	V_	.05050	.50128	-.00018	.05139	.00990	.14945
22	Zn	.03473	.49102	.00058	.03460	.00702	.13090

#	Element	040'D 5X	040'5 2X	040'6 2X	040'7 2X	040'8 5X	040'0 2X
		(MSD)	5	6	7	8	10
1	Al	11.191	43.467	68.591	32.597	12.030	29.552
2	Sb	.00393	-.00014	.00016	.00199	-.00072	.00257
3	As	.11118	.02183	.00756	.03201	.00838	.00474
4	Ba	.14371	.31051	.14824	.13167	.04991	.16452
5	Be	.09739	.00471	.00139	.00188	.00065	.00107
6	Cd	.10966	.00020	-.00112	.00103	-.00002	.00001
7	Ca	302.29	6.8438	37.060	315.70	219.06	281.19
8	Cr	.11073	.17485	.22268	.10481	.04905	.09507
9	Co	.10235	.02949	.04897	.02108	.00730	.02036
10	Cu	.10957	.05674	.07947	.04916	.01571	.05762
11	Fe	19.930	98.764	171.42	86.519	22.863	56.081
12	Pb	.11739	.07916	.00781	.07953	.02321	.03976
13	Mg	9.5854	27.699	56.963	38.537	13.514	26.527
14	Mn	.69227	3.4508	2.7573	1.3896	.64120	1.1155
15	Ni	.09790	.09055	.30927	.03597	.01692	.03557
16	K_	2.2176	5.8124	11.027	12.894	3.4344	11.797
17	Se	.10678	.00569	.00636	L-.01908	L-.01248	-.00579
18	Ag	.00435	.00006	-.00013	-.00019	-.00055	-.00002
19	Na	13.635	11.647	4.4755	69.385	19.000	25.677
20	Tl	-.00575	-.00186	-.00107	-.00288	-.00086	-.00434
21	V_	.14179	.17857	.21215	.14805	.04118	.10323
22	Zn	.12419	.54555	.22841	.19603	.07198	.14727

#	Element	040'3 2X	CCV	CCB	040'7 2X	040'8 2X	040'7-7A
		13			17	18	7A
1	Al	47.230	50.060	.00120	42.792	24.610	1.0882
2	Sb	.00132	.47599	-.00237	.00441	-.00445	.00022
3	As	.00872	.49842	.00127	.01430	.02754	.00194
4	Ba	.17038	.47166	-.00032	.21595	.28264	.86606
5	Be	.00474	.50732	.00010	.00423	.00561	.00009
6	Cd	.00008	.48244	-.00015	.00047	.00016	-.00051
7	Ca	4.8497	51.048	.04606	4.0041	1.7064	34.763
8	Cr	.16330	.49094	.00042	.16039	.13001	-.00025
9	Co	.04103	.48462	-.00023	.02970	.02689	.00088
10	Cu	.03463	.50161	.00052	.05388	.02432	.00029
11	Fe	114.26	20.736	.04186	100.23	81.527	.16939
12	Pb	.02512	.49683	.00175	.05071	.22464	-.00189
13	Mg	34.913	50.788	.00160	26.620	10.203	19.889
14	Mn	5.4954	.48869	.00077	3.5022	6.8358	.08328
15	Ni	.03951	.47229	.00070	.12857	.02402	.00034
16	K_	5.7685	20.261	.29589	5.6224	5.1211	39.212
17	Se	.00265	.49878	-.00001	.00158	L-.01450	-.00239
18	Ag	.00011	.50255	-.00021	.00014	-.00107	1.0227
19	Na	1.9067	20.508	.06255	1.4686	1.2101	C.00000
20	Tl	-.00205	.50494	-.00253	-.00375	.00064	.00132
21	V_	.17857	.50205	.00007	.16248	.05203	-.00018
22	Zn	.31345	.49761	.00096	.61678	.76902	.00277

#	Element	IDL-1	IDL-2	IDL-3	IDL-4	IDL-5	IDL-6
1	Al	.02481	.02779	.02850	.02697	.02881	.02738
2	Sb	.01194	.00975	.01005	.01096	.01384	.01015
3	As	.01040	.01003	.01169	.01288	.01001	.01248
4	Ba	.00044	.00039	.00041	.00041	.00044	.00040
5	Be	.00043	.00042	.00043	.00042	.00043	.00042
6	Cd	.00019	.00008	.00019	.00010	.00019	.00016
7	Ca	.01240	.01158	.01163	.01136	.01147	.01114
8	Cr	.00213	.00180	.00204	.00205	.00231	.00200
9	Co	.00076	.00066	.00068	.00065	.00118	.00083
10	Cu	.00267	.00242	.00245	.00242	.00245	.00243
11	Fe	.02741	.02193	.02419	.02628	.02738	.02437
12	Pb	.00623	.00619	.00646	.00610	.00647	.00629
13	Mg	.00234	.00001	.00822	.00830	.00896	.01021
14	Mn	.00036	.00029	.00027	.00023	.00027	.00021
15	Ni	.00190	.00137	.00175	.00173	.00192	.00166
16	K_	.25892	.22467	.25537	.25084	.26819	.25390
17	Se	.01074	.01111	.01214	.00959	.01149	.01115
18	Ag	.00172	.00115	.00153	.00123	.00155	.00136
19	Na	.22520	.19956	.18241	.17749	.17179	.17040
20	Tl	.01183	.01183	.00903	.01332	.00926	.01097
21	V_	.00079	.00045	.00075	.00083	.00088	.00062
22	Zn	.00577	.00526	.00534	.00556	.00564	.00543

#	Element	IDL-7	CCV	CCB	CRI	ICSA	ICSAB
1	Al	.02441	50.335	.03748	.45595	484.34	480.78
2	Sb	.01064	.48690	-.00195	.12771	-.00402	.57105
3	As	.01099	.50551	.00298	.00870	-.00214	.09927
4	Ba	.00037	.47515	.00000	.38583	.00081	.45701
5	Be	.00043	.50929	.00012	.01043	.00115	.46694
6	Cd	.00027	.48736	-.00012	.01004	.00076	.88101
7	Ca	.01125	51.524	.02812	9.7797	502.89	499.54
8	Cr	.00196	.49515	.00033	.02004	-.00036	.45314
9	Co	.00084	.48971	-.00029	.10152	.00342	.45393
10	Cu	.00229	.50352	.00024	.05114	-.00105	.52172
11	Fe	.02058	20.978	.02128	.18491	203.76	202.76
12	Pb	.00581	.49941	.00078	.00669	-.00103	.04744
13	Mg	.00481	51.271	.01362	10.022	507.79	504.26
14	Mn	.00022	.49234	.00036	.03043	.00744	.46762
15	Ni	.00145	.47782	-.00061	.08027	.00282	.86722
16	K_	.24912	20.496	.14668	8.9391	.12564	.02250
17	Se	.01017	.49557	.00077	.01279	.00000	.04862
18	Ag	.00134	.50497	.00032	.02091	-.00006	.20922
19	Na	.16813	20.873	.07866	9.0832	.23145	.16140
20	Tl	.01257	.51420	-.00282	.02043	-.00778	.09640
21	V_	.00037	.50588	-.00043	.10323	.00454	.48059
22	Zn	.00564	.50174	.00135	.04465	.01591	.90675

#	Element	CCV	CCB	IP0'-3MB	IP0'3LCS	040'6-21	040'-21D
				-0709	→	-096	→
1	Al	49.759	.09494	.05485	5.2663	80.840	97.060
2	Sb	.47849	.00097	-.00072	.01875	.00588	.00993
3	As	.50438	.00100	.00012	.53556	.03010	.03247
4	Ba	.47281	.00011	.00000	.47528	.24911	.28101
5	Be	.50404	.00012	.00004	.51247	.00489	.00468
6	Cd	.48454	-.00016	-.00035	.60633	-.00415	-.00356
7	Ca	51.127	.06533	.03749	.03598	8.8206	11.051
8	Cr	.48984	.00069	.00049	.50074	.55294	.58682
9	Co	.48529	-.00020	-.00002	.49856	.04892	.05673
10	Cu	.50073	.00013	-.00016	.50612	.29991	.27451
11	Fe	20.738	.04592	.03378	4.9090	H400.19	H381.32
12	Pb	.49830	.00057	.00141	.61008	.34950	.28367
13	Mg	50.749	.06625	.01277	-.00325	62.131	77.730
14	Mn	.48852	.00043	-.00001	.50201	3.6444	3.4456
15	Ni	.47378	.00021	-.00050	.50139	.09274	.12364
16	K_	20.454	.08879	.15526	.10727	15.821	28.165
17	Se	.49420	-.00088	.00319	.53189	-.00316	-.00137
18	Ag	.50325	.00069	.00064	.02016	-.00087	-.00022
19	Na	20.892	.07000	.07584	.09416	2.5573	2.3172
20	Tl	.51800	-.00337	-.00126	-.00371	.01890	.02222
21	V_	.50230	-.00005	-.00005	.50128	.36450	.40818
22	Zn	.49761	.00161	.00534	.51544	.71882	.65363

#	Element	040'L 5X	040'21MS	040'1MSD	040'6-22	040'6-23	040'6-24
		-096	→	→	→	→	→
1	Al	16.338	81.714	87.835	19.126	58.144	28.577
2	Sb	-.00068	.01256	.01018	.00331	.00315	.00319
3	As	.00778	.55727	.55772	.02006	.02723	.02992
4	Ba	.05114	.69484	.71589	.12801	.34358	.20853
5	Be	.00101	.50635	.50565	.00416	.00631	.00686
6	Cd	-.00022	.56781	.56429	.00137	-.00111	.00178
7	Ca	1.7900	8.9868	9.0516	5.4437	7.0706	7.6991
8	Cr	.11482	.97968	1.0424	.31040	.61476	.24378
9	Co	.00971	.52749	.53057	.01166	.03962	.02172
10	Cu	.05854	.78976	.81447	.07166	.25677	.07890
11	Fe	69.706	H373.58	H411.29	82.712	H256.49	92.658
12	Pb	.07388	.89934	.93128	.14232	.48530	.22976
13	Mg	12.815	58.656	62.843	7.4883	37.481	12.027
14	Mn	.75527	3.9503	4.1888	1.9052	2.8802	4.0731
15	Ni	.01897	.55787	.56772	.02547	.07729	.03175
16	K_	3.2136	14.348	15.868	3.4840	11.172	4.2156
17	Se	-.00318	.51356	.50724	.00031	L-.03220	-.00232
18	Ag	.00000	.01870	.01879	.00109	-.00046	.00067
19	Na	.52419	2.4539	2.7145	1.7737	2.8648	1.7518
20	Tl	-.00214	.01810	.01890	-.00299	.00952	-.00478
21	V_	.07463	.83750	.85934	.04807	.23782	.07770
22	Zn	.15024	1.1281	1.1962	2.9453	.97591	4.0686

#	Element	CCV	CCB	040'6-25	040'6-26	040'6-27	040'6-28
				~096	→	→	→
1	Al	50.188	.05846	45.773	58.841	176.83	63.558
2	Sb	.48433	-.00143	.00050	.00729	.00854	.00106
3	As	.50712	.00252	.00764	.00337	.02362	.00586
4	Ba	.47671	.00013	.14286	.21697	.34594	.15008
5	Be	.50370	.00013	.00257	.00114	.00691	.00156
6	Cd	.48538	-.00017	-.00050	-.00181	-.00333	-.00331
7	Ca	51.202	.03447	13.757	6.1083	13.056	11.508
8	Cr	.49145	.00044	.13525	.32319	.31893	.29290
9	Co	.48669	-.00026	.03392	.05638	.09565	.05666
10	Cu	.50400	.00007	.06146	.09386	.13427	.10613
11	Fe	20.804	.04592	85.038	172.51	H299.22	H233.80
12	Pb	.49984	-.00042	.10138	.09779	.53108	.13100
13	Mg	50.896	.03123	19.399	36.593	85.929	46.692
14	Mn	.49036	.00068	.98857	1.5104	4.3081	2.3432
15	Ni	.47868	.00012	.03272	.06949	.08298	.04220
16	K_	20.643	.12721	3.1852	5.7105	8.2031	4.2702
17	Se	.49578	.00047	-.00616	-.00248	L-.04477	-.00830
18	Ag	.50527	.00072	-.00061	.00002	.00832	-.00009
19	Na	21.163	.06658	3.7194	1.6628	2.7250	3.0931
20	Tl	.51247	-.00114	-.01654	L-.02674	L-.03393	-.01376
21	V_	.50333	-.00005	.21994	.66005	.56540	.42146
22	Zn	.50174	.00148	.14598	.27551	.43612	.26041

#	Element	040'6-29	040'6-30	040'6-31	040'6-32	040'97-1	040'97-2
		~096	→	→	→	~097	→
1	Al	15.237	40.796	9.9051	37.786	39.628	19.583
2	Sb	.00459	-.00137	-.00017	.00244	.00036	.00227
3	As	.01403	.06600	.01366	.05506	.01986	.02978
4	Ba	.09098	.49879	.07259	.63714	.51941	.63604
5	Be	.00205	.01066	.00154	.01087	.01102	.00832
6	Cd	-.00032	.00259	-.00023	-.00184	.00505	.00059
7	Ca	2.4054	2.8306	.60044	3.1556	30.809	4.5024
8	Cr	.25942	.27379	.21693	.24362	.16418	.11899
9	Co	.00579	.01636	.00387	.01156	.02597	.00577
10	Cu	.03611	.10153	.02809	.07456	.17175	.06152
11	Fe	63.999	110.69	50.038	H258.85	164.37	125.97
12	Pb	.23374	1.2054	.20738	.72308	2.9069	.77707
13	Mg	1.7746	13.482	.53055	7.7283	25.694	2.2070
14	Mn	.25246	.96307	.37146	3.9256	H10.047	4.4802
15	Ni	.01844	.02810	.01528	.02048	.02910	.00613
16	K_	4.7510	6.1977	2.5567	5.5433	8.1798	2.3013
17	Se	-.00389	L-.05290	-.00311	L-.09752	L-.11814	L-.15567
18	Ag	-.00197	.00131	-.00202	-.00077	.00303	.00871
19	Na	1.8812	1.9906	1.5984	2.1446	3.4791	1.7191
20	Tl	-.00537	-.00516	-.00520	.01261	-.00731	-.00989
21	V_	.04526	.13911	.03007	.07706	.14218	.03148
22	Zn	.13386	1.4727	.11942	1.3019	2.7656	1.3212

#	Element	CCV	CCB	040'97-3	040'97-4	040'97-5	040'97-6
				097			
1	Al	49.946	.05697	21.509	8.2933	5.4076	4.4186
2	Sb	.47594	-.00151	.00198	-.00206	-.00454	-.00265
3	As	.50874	-.00073	.05504	.00403	.02075	.01112
4	Ba	.47242	.00021	.57509	.02109	.07382	.07208
5	Be	.50330	.00018	.00972	.00154	.00483	.00125
6	Cd	.48326	-.00001	.00033	-.00006	-.00034	-.00003
7	Ca	51.120	.03916	5.4878	.43041	.22729	3.8679
8	Cr	.49041	.00053	.13612	.23555	.10525	.12711
9	Co	.48596	-.00014	.00679	.00086	.00061	.00058
10	Cu	.50132	.00021	.06727	.01232	.00403	.00360
11	Fe	20.733	.04824	134.97	88.614	18.030	9.4290
12	Pb	.49801	.00156	.81531	.22032	.14400	.09825
13	Mg	50.809	.03403	2.8735	.06286	.18452	.18410
14	Mn	.48864	.00094	4.8435	.33934	.80194	.21490
15	Ni	.47521	.00040	.00806	.00969	.00229	.00363
16	K_	20.476	.12944	3.3762	2.0197	1.7949	1.9067
17	Se	.49649	.00002	L-.19385	-.00447	-.00327	.00040
18	Ag	.50408	.00046	-.00442	-.00123	-.00909	-.00170
19	Na	20.960	.06486	1.8800	1.4482	1.2270	1.5476
20	Tl	.51189	-.00392	-.01333	.00164	-.00548	-.00117
21	V_	.50230	-.00031	.03748	.00288	.00160	.00058
22	Zn	.50097	.00199	1.3780	.98045	.25279	.16481

#	Element	040'97-7	040'97-8	CRI	ICSA	ICSAB	CCV
		097					
1	Al	5.1096	3.1062	.45894	479.98	483.67	50.113
2	Sb	-.00329	-.00112	.12499	-.00418	.56148	.47789
3	As	.00181	.00526	.01386	-.00283	.09449	.49910
4	Ba	.04563	.02207	.38515	.00085	.45692	.47385
5	Be	.00087	.00049	.01027	.00110	.46268	.49961
6	Cd	-.00001	-.00032	.00992	.00132	.87313	.48145
7	Ca	.10503	.13369	9.6748	490.82	496.09	51.042
8	Cr	.06379	.07028	.02031	.00030	.45221	.48864
9	Co	.00044	.00056	.10012	.00336	.45219	.48453
10	Cu	.00293	.00304	.05015	-.00083	.52354	.50244
11	Fe	4.9141	6.5514	.18806	199.87	201.84	20.714
12	Pb	.03198	.18584	.00790	-.00032	.04602	.49706
13	Mg	.17037	.07029	9.8994	497.29	501.20	50.647
14	Mn	.52500	.74526	.03032	.00754	.46522	.48714
15	Ni	.00187	.00241	.07991	.00310	.85971	.47290
16	K_	.26002	1.1389	8.8656	.07228	-.02721	20.656
17	Se	-.00383	-.00123	.00686	.00187	.04548	.49342
18	Ag	.00072	-.00132	.02075	.00021	.20898	.50358
19	Na	1.6408	1.0389	9.0403	.21487	.14922	21.255
20	Tl	-.00559	-.00174	.01948	.00065	.09129	.50660
21	V_	.00020	.00007	.10183	.00454	.47868	.50013
22	Zn	.41003	.06759	.04388	.01527	.90053	.49670

#	Element	CCB					
1	Al	.08398					
2	Sb	-.00319					
3	As	.00000					
4	Ba	.00014					
5	Be	.00022					
6	Cd	-.00015					
7	Ca	.06448					
8	Cr	.00019					
9	Co	-.00026					
10	Cu	.00001					
11	Fe	.04133					
12	Pb	.00091					
13	Mg	.06010					
14	Mn	.00064					
15	Ni	-.00038					
16	K_	.10685					
17	Se	.00104					
18	Ag	-.00012					
19	Na	.06424					
20	Tl	-.00504					
21	V_	-.00043					
22	Zn	.00109					

Calibration Report T40712A 07/12/04 11:10:17 AM

Method: TRACE Standard Name: BLANK Operator:
Run Time: 07/12/04 11:09:00
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.2519874	-.023999	-.323984	.2639868	-.009000	.8452077	.0112494
SDev	.1230304	.059394	.080606	.0763637	.004242	.0201516	.0010606
%RSD	48.82404	247.4874	24.87968	28.92710	47.14045	2.384212	9.428090
#1	.3389831	-.065997	-.266987	.2099895	-.006000	.8309584	.0119994
#2	.1649917	.0179991	-.380981	.3179841	-.011999	.8594570	.0104995
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.2654867	.1364932	.0367482	-.005250	.0367482	.2932353	-.013499
SDev	.0021212	.0063637	.0328788	.001061	.0053030	.0116667	.002121
%RSD	.7989886	4.662246	89.47065	20.20305	14.43075	3.978603	15.71349
#1	.2639868	.1409930	.0599970	-.004500	.0404980	.3014849	-.014999
#2	.2669866	.1319934	.0134993	-.006000	.0329984	.2849857	-.011999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	14.96775	.0449978	.0179991	5.329233	.0007500	.0614969	.0074996
SDev	.05303	.0042424	.0021212	.002121	.0222728	.1293941	.0021212
%RSD	.3542962	9.428090	11.78511	.0398025	2969.849	210.4074	28.28427
#1	15.00525	.0479976	.0194990	5.327733	-.014999	.1529923	.0059997
#2	14.93025	.0419979	.0164992	5.330733	.0164992	-.029999	.0089996
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl
Avge	.0089996	-.105745	.0000000	.0000000	-.003000
SDev	.0000000	.022273	.0000000	.0000000	.004242
%RSD	.0000000	21.06276	.0000000	.0000000	141.4214
#1	.0089996	-.089996	.0000000	.0000000	.0000000
#2	.0089996	-.121494	.0000000	.0000000	-.006000
Factor	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: TRACE Standard Name: RLSTD Operator:
Run Time: 07/12/04 11:10:22
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.4739763	.1109944	-.109495	.3719814	.1289935	1.446678	.1979901
SDev	.0424243	.0084849	.125152	.0763637	.0678789	.005303	.0063636
%RSD	8.950718	7.644397	114.2994	20.52890	52.62190	.3665641	3.214119
#1	.5039748	.1169942	-.020999	.4259787	.1769912	1.442928	.2024899
#2	.4439778	.1049947	-.197990	.3179841	.0809959	1.450427	.1934903
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.3899805	4.390280	.1814909	.0449978	.1522424	.3982301	.2189890
SDev	.0000000	.014849	.0296970	.0127273	.0201515	.0137879	.0127273
%RSD	.0000000	.3382131	16.36280	28.28427	13.23648	3.462295	5.811836
#1	.3899805	4.400780	.2024899	.0539973	.1664917	.4079796	.2279886
#2	.3899805	4.379781	.1604920	.0359982	.1379931	.3884806	.2099895
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	17.05265	4.171291	.1912404	32.65787	.3352332	.2624869	.0344983
SDev	.07848	.019091	.0053030	.44758	.0074243	.0190909	.0021212
%RSD	.4602502	.4576721	2.772966	1.370502	2.214653	7.273099	6.148754
#1	17.10815	4.184791	.1949903	32.34138	.3404830	.2489875	.0359982
#2	16.99715	4.157792	.1874906	32.97435	.3299835	.2759862	.0329984
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Tl
Avge	.0734963	.0419979	.0149993
SDev	.0063636	.0742425	.0296970
%RSD	8.658449	176.7767	197.9899
#1	.0689966	.0944953	-.006000
#2	.0779961	-.010499	.0359982
Factor	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: TRACE Standard Name: A 1/100 Operator:
Run Time: 07/12/04 11:11:43
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	29.51102	40.74096	4.538773	19.12254	39.00405	62.27238
SDev	.21212	.11455	.016970	.02333	.02121	.35000
%RSD	.7187892	.2811544	.3738823	.1220157	.0543850	.5620483
#1	29.36103	40.65997	4.526774	19.13904	38.98905	62.02490
#2	29.66102	40.82196	4.550772	19.10605	39.01905	62.51987
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: TRACE Standard Name: A 1/10 Operator:
Run Time: 07/12/04 11:13:05
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	295.9202	389.6325	43.94030	68.90805	393.0974	695.2123
SDev	.6364	1.5485	.16758	.14212	1.1115	1.3491
%RSD	.2150479	.3974204	.3813717	.2062466	.2827601	.1940541
#1	296.3702	390.7274	44.05880	69.00854	393.8833	696.1662
#2	295.4702	388.5376	43.82181	68.80756	392.3114	694.2583
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: TRACE Standard Name: A 1/2 Operator:
Run Time: 07/12/04 11:14:26
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na

Avge	1471.912	1758.316	203.6883	323.1033	1974.344	3403.837
SDev	1.704	.897	.0064	1.1985	.159	9.376
%RSD	.1157957	.0510346	.0031253	.3709298	.0080618	.2754458
#1	1470.706	1758.950	203.6928	322.2559	1974.231	3397.207
#2	1473.117	1757.681	203.6838	323.9508	1974.456	3410.466
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: TRACE Standard Name: MIXAHIGH Operator:
Run Time: 07/12/04 11:15:49
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	2819.792	3171.378	383.8623	620.5925	3860.253	6107.720
SDev	8.588	5.481	.5791	4.3464	3.744	46.079
%RSD	.3045553	.1728306	.1508611	.7003619	.0969904	.7544384
#1	2825.865	3167.503	383.4528	623.6658	3857.606	6140.303
#2	2813.720	3175.254	384.2718	617.5191	3862.901	6075.137
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: TRACE Standard Name: B 1/100 Operator:
Run Time: 07/12/04 11:17:18
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	5.332233	4.670766	2.285886	2.380381	1.990401	9.213289	12.22139
SDev	.048788	.046667	.186667	.048788	.048788	.007425	.00848
%RSD	.9149607	.9991297	8.166063	2.049588	2.451161	.0805856	.0694247
#1	5.366732	4.637768	2.417879	2.345883	1.955902	9.218539	12.21539

#2	5.297735	4.703765	2.153892	2.414879	2.024899	9.208039	12.22739
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	13.93205	2.440378	6.845657	5.023999	8.494075	5.898455	.4244788
SDev	.03288	.004242	.012727	.011667	.000000	.037121	.0445455
%RSD	.2359972	.1738392	.1859184	.2322238	.0000000	.6293387	10.49417
#1	13.90880	2.437378	6.836658	5.015749	8.494075	5.924704	.4559772
#2	13.95530	2.443378	6.854657	5.032248	8.494075	5.872206	.3929803
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	V_	Zn	As	Tl			
Avge	1.180441	1.172941	3.133343	.4889755			
SDev	.002121	.004242	.023333	.0127273			
%RSD	.1796999	.3616977	.7446786	2.602845			
#1	1.178941	1.175941	3.116844	.4979751			
#2	1.181941	1.169941	3.149843	.4799760			
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: TRACE Standard Name: B 1/10 Operator:
Run Time: 07/12/04 11:18:41
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	49.16154	47.19514	24.66777	21.99790	20.12749	90.39973	118.3231
SDev	.35636	.11242	.15697	.28424	.08273	.04985	.3903
%RSD	.7248838	.2382128	.6363353	1.292134	.4110125	.0551417	.3298619
#1	49.41353	47.11564	24.77876	21.79691	20.06900	90.36448	118.0471
#2	48.90955	47.27464	24.55677	22.19889	20.18599	90.43497	118.5991
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	137.0586	24.57177	68.18434	47.35263	83.85181	59.04455	5.171742
SDev	.8655	.05515	.22803	.06151	.21424	.12091	.089091
%RSD	.6314486	.2244541	.3344356	.1299066	.2555026	.2047791	1.722650
#1	136.4467	24.53277	68.02309	47.30913	83.70031	58.95905	5.108745
#2	137.6706	24.61077	68.34558	47.39613	84.00330	59.13004	5.234738

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	11.75191	11.61992	32.94435	5.332233
SDev	.04455	.04455	.15061	.010606
%RSD	.3790490	.3833548	.4571544	.1989067
#1	11.72041	11.58842	32.83786	5.324734
#2	11.78341	11.65142	33.05085	5.339733
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: TRACE Standard Name: MIXBHIGH Operator:
Run Time: 07/12/04 11:20:06
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	488.4311	474.6977	249.3235	217.0556	195.1132	861.2509	1093.186
SDev	.4815	2.1021	1.0352	.2355	.3945	.1167	3.125
%RSD	.0985846	.4428323	.4151849	.1084797	.2022123	.0135501	.2858233
#1	488.0906	473.2113	250.0555	216.8891	195.3922	861.1684	1095.395
#2	488.7715	476.1842	248.5916	217.2221	194.8343	861.3334	1090.976
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	1324.718	244.2395	676.4414	474.7270	803.3530	584.6047	52.34288
SDev	4.411	.6141	1.9696	.4847	1.9844	1.7776	.08697
%RSD	.3329799	.2514337	.2911672	.1020987	.2470121	.3040625	.1661535
#1	1327.837	244.6738	677.8341	474.3843	804.7562	585.8617	52.40438
#2	1321.599	243.8053	675.0487	475.0697	801.9499	583.3478	52.28138
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	117.0166	113.2413	324.7705	53.51282
SDev	.2312	.6491	.3786	.04455
%RSD	.1975874	.5731928	.1165834	.0832465
#1	117.1801	113.7003	324.5028	53.54432
#2	116.8532	112.7824	325.0382	53.48132

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	--	--	--	--	--	--

Curvefit Fit Status Summary 07/12/04 02:49:28 PM page 1

Method: TRACE
Mode: Concentration
Standards Table: 6010I
Data File: 6010CAL

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
2203/1	220.351	07/12/04 02:48	Full Fit	1.000000
2203/2	220.352/2	07/12/04 02:48	Full Fit	1.000000
1960/1	196.021	07/12/04 02:48	Full Fit	1.000000
1960/2	196.022/2	07/12/04 02:48	Full Fit	1.000000
Ag	328.068	07/12/04 02:48	Full Fit	1.000000
Al	308.215	07/12/04 02:48	Full Fit	1.000000
Ba	493.409	07/12/04 02:48	Full Fit	1.000000
Be	313.042	07/12/04 02:48	Full Fit	1.000000
Ca	317.933	07/12/04 02:48	Full Fit	1.000000
Cd	226.502/2	07/12/04 02:48	Full Fit	1.000000
Co	228.616	07/12/04 02:48	Full Fit	1.000000
Cr	267.716	07/12/04 02:48	Full Fit	1.000000
Cu	324.753	07/12/04 02:48	Full Fit	1.000000
Fe	271.441	07/12/04 02:49	Full Fit	1.000000
K_	766.491	07/12/04 02:49	Full Fit	.999997
Mg	279.078	07/12/04 02:49	Full Fit	1.000000
Mn	257.610	07/12/04 02:49	Full Fit	1.000000
Na	588.991	07/12/04 02:49	Full Fit	1.000000
Ni	231.604/2	07/12/04 02:49	Full Fit	1.000000
Sb	206.838/2	07/12/04 02:49	Full Fit	.999999
V_	292.402	07/12/04 02:49	Full Fit	1.000000
Zn	206.200	07/12/04 02:49	Full Fit	1.000000
As	189.042/2	07/12/04 02:49	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	07/12/04 02:49	Full Fit	1.000000

Analysis Report QC Standard 07/12/04 02:52:08 PM

Method: TRACE Sample Name: MIXBHIGH Operator: SW
Run Time: 07/12/04 14:49:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	9.9410	9.9664	9.9892	10.047	1.9932	.08475	10.003
SDev	.0061	.0091	.0274	.015	.0116	.00096	.005
%RSD	.06088	.09135	.27441	.14797	.57976	1.1325	.05119
#1	9.9453	9.9600	10.009	10.036	1.9851	.08407	9.9994
#2	9.9367	9.9728	9.9698	10.057	2.0014	.08542	10.007
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	9.9880	.03330	9.9748	9.9856	9.9551	10.045	-.00730
SDev	.0450	.00024	.0502	.0463	.0383	.003	.00320
%RSD	.45057	.71036	.50325	.46364	.38423	.02822	43.855
#1	9.9562	.03347	9.9393	9.9529	9.9281	10.043	-.00957
#2	10.020	.03314	10.010	10.018	9.9822	10.047	-.00504
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	.13038	-.04555	9.9580	.09900	9.9860	2.0091	9.9752
SDev	.01746	.00058	.0425	.00000	.0398	.0044	.0288
%RSD	13.393	1.2729	.42720	.00000	.39828	.21928	.28831
#1	.11804	-.04596	9.9279	.09900	9.9579	2.0122	9.9548
#2	.14273	-.04514	9.9880	.09900	10.014	2.0060	9.9955
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	9.9296	9.9920	9.9579	10.028	9.9537
SDev	.0788	.0130	.0041	.001	.0471
%RSD	.79356	.12983	.04075	.00786	.47318
#1	9.8738	9.9828	9.9551	10.027	9.9204
#2	9.9853	10.001	9.9608	10.028	9.9870
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	10.000	10.000	10.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Method: TRACE Sample Name: MIXAHIGH Operator: SW
Run Time: 07/12/04 14:52:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.03261	.02137	-.01274	.01158	.00082	498.04	.00199
SDev	.00324	.00350	.00320	.00308	.00008	.57	.00017
%RSD	9.9296	16.375	25.087	26.637	10.168	.11544	8.8131
#1	-.03032	.01889	-.01048	.00940	.00088	498.44	.00211
#2	-.03490	.02384	-.01500	.01376	.00077	497.63	.00186
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	.00234	497.45	.00069	.00488	.00526	.00389	199.64
SDev	.00018	3.56	.00075	.00009	.00054	.00027	.91
%RSD	7.6390	.71608	108.71	1.7662	10.342	6.9650	.45457
#1	.00246	494.93	.00122	.00495	.00488	.00408	199.00
#2	.00221	499.97	.00016	.00482	.00565	.00370	200.28
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	99.680	497.78	.00845	99.060	.00349	.01298	.00595
SDev	.315	2.33	.00006	.322	.00023	.00734	.00036
%RSD	.31636	.46769	.74565	.32531	6.6752	56.585	6.0734
#1	99.903	496.13	.00849	99.288	.00332	.01817	.00569
#2	99.457	499.43	.00840	98.832	.00365	.00779	.00620
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01231	.00020	.00339	.00348	-.00646
SDev	.00055	.00270	.00126	.00099	.00510
%RSD	4.4425	1380.1	37.010	28.527	78.886
#1	.01192	.00210	.00250	.00278	-.01006
#2	.01269	-.00171	.00428	.00418	-.00286
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value					
Range					

Analysis Report QC Standard 07/12/04 02:58:00 PM

Method: TRACE Sample Name: ICV Operator: SW
Run Time: 07/12/04 14:55:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.24769	.25196	.24205	.25160	.24928	24.869	.24134
SDev	.00017	.00146	.00947	.00195	.00116	.101	.00098
%RSD	.07062	.57875	3.9108	.77679	.46666	.40710	.40745
#1	.24757	.25299	.23536	.25298	.24846	24.941	.24203
#2	.24781	.25093	.24874	.25022	.25010	24.798	.24064
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	.25561	25.312	.24784	.24513	.24487	.25003	10.187
SDev	.00009	.042	.00038	.00043	.00089	.00020	.009
%RSD	.03495	.16614	.15248	.17577	.36206	.08118	.08552
#1	.25555	25.282	.24758	.24482	.24424	.25018	10.181
#2	.25568	25.342	.24811	.24543	.24550	.24989	10.194
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	9.9371	25.325	.24747	10.097	.24119	.25391	.25187
SDev	.0604	.028	.00032	.078	.00043	.00167	.00036
%RSD	.60816	.11014	.12753	.77507	.17821	.65593	.14341
#1	9.9798	25.306	.24769	10.152	.24149	.25273	.25161
#2	9.8943	25.345	.24725	10.041	.24088	.25509	.25212
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.24738	.25293	.25054	.24842	.25773
SDev	.00073	.00145	.00091	.00185	.00281
%RSD	.29506	.57501	.36496	.74415	1.0909
#1	.24686	.25190	.25119	.24711	.25971
#2	.24790	.25396	.24989	.24972	.25574
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	.25000	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000

Analysis Report Blank Sample 07/12/04 03:01:59 PM

Method: TRACE Sample Name: ICB Operator: SW
Run Time: 07/12/04 14:59:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00182	.00084	-.00053	-.00396	.00029	-.02108	-.00007
SDev	.00197	.00167	.00108	.00360	.00017	.00201	.00005
%RSD	108.08	197.83	203.08	90.864	57.620	9.5231	68.185
#1	.00043	-.00034	-.00130	-.00142	.00017	-.01966	-.00010
#2	.00322	.00202	.00023	-.00650	.00041	-.02250	-.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	.00041	.01339	.00004	.00022	.00015	.00052	.00554
SDev	.00002	.00070	.00005	.00004	.00025	.00038	.01258
%RSD	4.3408	5.2063	106.33	19.557	166.14	73.628	226.91
#1	.00040	.01289	.00001	.00019	-.00003	.00025	-.00335
#2	.00042	.01388	.00007	.00025	.00033	.00079	.01443
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	.29060	-.02710	.00016	.05563	-.00026	-.00082	.00007
SDev	.02308	.00232	.00001	.00069	.00014	.00138	.00000
%RSD	7.9427	8.5579	7.7083	1.2370	56.058	168.92	.00000
#1	.27428	-.02874	.00017	.05514	-.00036	-.00180	.00007
#2	.30692	-.02546	.00015	.05612	-.00015	.00016	.00007
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00058	.00020	.00117	-.00282	-.00262
SDev	.00073	.00604	.00177	.00204	.00399
%RSD	125.60	2955.1	151.20	72.382	152.51
#1	.00006	-.00406	-.00008	-.00138	-.00544
#2	.00110	.00447	.00242	-.00426	.00021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: CRI Operator: SW
Run Time: 07/12/04 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	.00439	.00771	.01158	.00710	.02025	.42690	.39277
SDev	.00394	.00199	.00231	.00202	.00021	.00121	.00028
%RSD	89.648	25.835	19.973	28.495	1.0359	.28386	.07165
#1	.00161	.00911	.00994	.00567	.02040	.42776	.39257
#2	.00717	.00630	.01321	.00853	.02010	.42604	.39297
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	.01053	9.6716	.00999	.10064	.01980	.05106	.19164
SDev	.00000	.0200	.00012	.00065	.00017	.00020	.00510
%RSD	.00181	.20687	1.2314	.64243	.86395	.39765	2.6599
#1	.01053	9.6575	.01007	.10110	.01992	.05121	.19524
#2	.01053	9.6858	.00990	.10018	.01968	.05092	.18803
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	8.9192	9.8932	.03052	8.8768	.07948	.12506	.10298
SDev	.0137	.0144	.00006	.0017	.00040	.00276	.00036
%RSD	.15412	.14582	.20641	.01872	.49730	2.2082	.35069
#1	8.9094	9.8830	.03057	8.8779	.07976	.12311	.10273
#2	8.9289	9.9034	.03048	8.8756	.07920	.12701	.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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.04478	.01180	.00660	.00859	.01813
SDev	.00018	.00261	.00002	.00212	.00490
%RSD	.40702	22.149	.26378	24.671	27.042
#1	.04491	.01365	.00661	.00709	.02159
#2	.04466	.00995	.00659	.01009	.01466
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Analysis Report QC Standard 07/12/04 03:08:55 PM

Method: TRACE Sample Name: ICSA Operator: SW
Run Time: 07/12/04 15:06:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.02742	.01212	-.01664	-.00036	.00078	481.69	.00029
SDev	.00278	.00187	.00024	.00437	.00002	.87	.00003
%RSD	10.130	15.463	1.4231	1214.8	2.6869	.18102	12.225
#1	-.02546	.01344	-.01681	.00273	.00080	482.31	.00026
#2	-.02939	.01079	-.01647	-.00345	.00077	481.07	.00031
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	.00111	499.66	.00004	.00394	.00006	-.00120	201.60
SDev	.00002	1.66	.00013	.00039	.00037	.00029	.44
%RSD	1.5742	.33271	313.23	9.8482	604.01	24.400	.21600
#1	.00110	498.48	.00014	.00421	-.00020	-.00141	201.29
#2	.00113	500.84	-.00005	.00366	.00033	-.00099	201.90
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	.15402	503.00	.00731	.12290	.00271	.00447	.00454
SDev	.02568	1.36	.00004	.00026	.00043	.00523	.00054
%RSD	16.677	.27019	.51719	.20932	15.828	116.97	11.927
#1	.13586	502.04	.00728	.12272	.00241	.00817	.00416
#2	.17218	503.96	.00733	.12309	.00302	.00077	.00492
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01115	.00084	-.00105	-.00578	-.00456
SDev	.00000	.00010	.00217	.00284	.00298
%RSD	.00000	12.278	207.67	49.048	65.334
#1	.01115	.00091	.00049	-.00378	-.00245
#2	.01115	.00077	-.00259	-.00779	-.00667
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	.04000	.02000	.00600	.01000	.02000

Method: TRACE Sample Name: ICSAB Operator: SW
Run Time: 07/12/04 15:08:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01439	.06717	.04241	.05171	.20929	484.53	.46524
SDev	.00914	.00490	.00795	.00400	.00015	.58	.00087
%RSD	63.468	7.2887	18.738	7.7330	.07064	.11979	.18664
#1	.02085	.06371	.04803	.04888	.20939	484.12	.46463
#2	.00793	.07064	.03679	.05453	.20918	484.94	.46585
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	.46455	490.95	.87315	.44619	.44317	.52924	200.03
SDev	.00117	.85	.00191	.00065	.00093	.00061	.44
%RSD	.25135	.17317	.21862	.14492	.21066	.11500	.21984
#1	.46372	490.35	.87180	.44665	.44251	.52881	199.72
#2	.46537	491.55	.87450	.44573	.44383	.52967	200.34
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	.10012	497.89	.46498	.13607	.85625	.57868	.47843
SDev	.00685	1.04	.00105	.00084	.00214	.00455	.00036
%RSD	6.8364	.20909	.22579	.61809	.24946	.78677	.07551
#1	.10496	497.16	.46424	.13667	.85474	.58190	.47817
#2	.09528	498.63	.46572	.13548	.85776	.57546	.47868
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.88280	.09571	.04960	.04861	.09339
SDev	.00476	.00170	.00022	.00002	.00566
%RSD	.53930	1.7758	.45042	.04200	6.0590
#1	.87943	.09451	.04944	.04860	.09739
#2	.88617	.09691	.04976	.04863	.08939
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000
Range	20.000	20.000	20.000	20.000	20.000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 15:11:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49587	.49837	.49806	.49309	.50325	50.505	.48569
SDev	.00109	.00156	.00949	.00836	.00126	.169	.00142
%RSD	.22063	.31411	1.9058	1.6958	.25026	.33417	.29238
#1	.49509	.49726	.49135	.49900	.50236	50.385	.48469
#2	.49664	.49947	.50477	.48718	.50414	50.624	.48670
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	.50701	51.214	.48752	.48441	.49298	.50859	20.799
SDev	.00052	.037	.00023	.00026	.00020	.00180	.024
%RSD	.10276	.07146	.04719	.05353	.04104	.35459	.11546
#1	.50664	51.188	.48735	.48423	.49284	.50732	20.782
#2	.50737	51.240	.48768	.48460	.49313	.50987	20.816
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	20.775	50.932	.49295	20.853	.48096	.48598	.50525
SDev	.130	.071	.00105	.137	.00221	.00024	.00072
%RSD	.62621	.13959	.21304	.65580	.45894	.04866	.14300
#1	20.683	50.882	.49220	20.757	.47940	.48615	.50474
#2	20.867	50.982	.49369	20.950	.48252	.48582	.50576
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49141	.50198	.49753	.49475	.51183
SDev	.00073	.00049	.00141	.00242	.00944
%RSD	.14874	.09823	.28309	.48842	1.8441
#1	.49193	.50163	.49654	.49645	.50515
#2	.49089	.50233	.49853	.49304	.51850
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Analysis Report Blank Sample 07/12/04 03:22:28 PM

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 15:20:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00030	.00154	.00437	-.00074	-.00009	.00605	-.00046
SDev	.00135	.00060	.00398	.00049	.00050	.00249	.00006
%RSD	446.94	39.158	91.205	65.773	533.26	41.249	12.788
#1	.00126	.00196	.00155	-.00109	-.00045	.00428	-.00050
#2	-.00065	.00111	.00718	-.00040	.00026	.00781	-.00042
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	.00005	.03515	-.00029	.00004	.00041	.00031	.02805
SDev	.00000	.00142	.00005	.00056	.00022	.00000	.00319
%RSD	.42140	4.0431	16.036	1495.4	52.630	.00000	11.372
#1	.00005	.03414	-.00032	-.00036	.00026	.00031	.02580
#2	.00005	.03615	-.00025	.00043	.00057	.00031	.03031
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	.31656	.00341	.00001	.05806	.00036	-.00284	-.00044
SDev	.03204	.00661	.00003	.00000	.00016	.00030	.00036
%RSD	10.122	194.22	210.04	.00000	44.008	10.400	82.485
#1	.29391	-.00127	-.00001	.05806	.00048	-.00263	-.00069
#2	.33922	.00808	.00003	.05806	.00025	-.00305	-.00018
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00019	-.00123	.00113	.00096	-.00059
SDev	.00018	.00079	.00085	.00165	.00079
%RSD	94.037	63.834	75.703	172.09	133.18
#1	.00006	-.00179	.00173	-.00021	-.00003
#2	.00032	-.00068	.00052	.00213	-.00115
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040709-2MB Operator: SW
Run Time: 07/12/04 15:22:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00081	.00153	-.00082	.00050	-.00020	-.02746	-.00050
SDev	.00169	.00273	.00489	.00283	.00040	.00460	.00005
%RSD	207.96	178.80	597.55	568.42	201.05	16.766	9.3817
#1	.00201	.00346	-.00428	-.00150	.00008	-.02421	-.00046
#2	-.00038	-.00040	.00264	.00250	-.00048	-.03072	-.00053
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	.02546	-.00052	-.00018	.00013	.00019	.01337
SDev	.00000	.00047	.00028	.00034	.00034	.00045	.00629
%RSD	7.4032	1.8483	54.772	196.05	267.77	242.73	47.027
#1	-.00001	.02579	-.00032	.00007	.00037	.00051	.01782
#2	-.00000	.02513	-.00072	-.00042	-.00011	-.00013	.00892
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	.27536	-.03448	-.00018	.05981	-.00062	-.00247	-.00018
SDev	.01289	.00348	.00008	.00049	.00013	.00036	.00072
%RSD	4.6817	10.089	41.084	.82789	20.180	14.703	395.86
#1	.28447	-.03202	-.00013	.06016	-.00053	-.00221	.00033
#2	.26624	-.03694	-.00024	.05946	-.00071	-.00273	-.00069
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00329	.00003	.00129	.00006	-.00394
SDev	.00018	.00277	.00239	.00351	.00000
%RSD	5.5451	9096.0	184.93	5956.8	.05400
#1	.00342	.00199	.00298	-.00243	-.00394
#2	.00316	-.00193	-.00040	.00254	-.00395
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040709-2LCS Operator: SW
Run Time: 07/12/04 15:26:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.59195	.60550	.52014	.53334	.01989	5.1866	.47482
SDev	.00342	.00527	.00753	.00758	.00042	.0000	.00052
%RSD	.57784	.87104	1.4478	1.4213	2.1089	.00003	.10874
#1	.59437	.60923	.52547	.53870	.01960	5.1866	.47518
#2	.58953	.60177	.51482	.52798	.02019	5.1866	.47445
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	.51051	.02214	.60331	.49328	.49203	.50308	4.8653
SDev	.00090	.00094	.00044	.00091	.00068	.00027	.0198
%RSD	.17612	4.2396	.07351	.18359	.13915	.05378	.40733
#1	.51114	.02147	.60363	.49264	.49251	.50327	4.8513
#2	.50987	.02280	.60300	.49392	.49154	.50289	4.8793
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	.27646	-.03899	.49865	.06000	.49904	.01989	.49669
SDev	.00000	.00174	.00001	.00008	.00020	.00454	.00018
%RSD	.00000	4.4612	.00254	.12695	.03979	22.840	.03636
#1	.27646	-.04022	.49865	.06005	.49890	.02310	.49656
#2	.27646	-.03776	.49866	.05995	.49918	.01667	.49682
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50627	.52302	.60099	.52895	-.00429
SDev	.00055	.00098	.00466	.00756	.00277
%RSD	.10828	.18769	.77488	1.4299	64.562
#1	.50588	.52233	.60428	.53430	-.00624
#2	.50666	.52372	.59769	.52360	-.00233
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1 Operator: SW
Run Time: 07/12/04 15:29:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	k.00195	k-.00078	.00026	.00043	.00037	49.347	.29052
SDev	.00184	.00267	.00157	.00202	.00019	.048	.00008
%RSD	94.150	341.99	594.19	471.12	51.666	.09692	.02822
#1	k.00326	k-.00267	.00138	.00186	.00023	49.380	.29058
#2	k.00065	k.00111	-.00085	-.00100	.00050	49.313	.29047
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	.00174	C.00000	.00102	.04717	.09352	.06380	98.949
SDev	.00000	.00000	.00003	.00017	.00016	.00007	.027
%RSD	.00551	.00000	3.2561	.36548	.16628	.10609	.02706
#1	.00174	C.00000	.00105	.04705	.09341	.06384	98.930
#2	.00174	C.00000	.00100	.04729	.09363	.06375	98.968
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	13.124	47.735	2.9601	77.085	.03266	.00391	.23616
SDev	.051	.038	.0001	.286	.00025	.00047	.00018
%RSD	.39104	.07925	.00306	.37140	.76775	11.926	.07647
#1	13.160	47.709	2.9601	77.287	.03284	.00424	.23603
#2	13.087	47.762	2.9602	76.882	.03248	.00358	.23629
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.15411	.02736	k.00013	.00037	-.00655
SDev	.00018	.00067	.00117	.00187	.00590
%RSD	.11835	2.4582	905.22	500.13	90.192
#1	.15399	.02783	k-.00070	.00170	-.00237
#2	.15424	.02688	k.00096	-.00095	-.01072
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1D Operator: SW
Run Time: 07/12/04 15:31:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	k.00619	k.00116	.00420	.00374	.00051	48.528	.25923
SDev	.00434	.00236	.00226	.00139	.00019	.184	.00054
%RSD	70.059	203.44	53.828	37.211	36.749	.37963	.20776
#1	k.00926	k-.00051	.00260	.00472	.00065	48.398	.25885
#2	k.00312	k.00282	.00580	.00276	.00038	48.659	.25961
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	C.00000	.00067	.04606	.08215	.07839	97.966
SDev	.00002	.00000	.00008	.00034	.00009	.00009	.120
%RSD	1.2705	.00000	12.130	.74827	.11357	.11512	.12296
#1	.00143	C.00000	.00062	.04631	.08208	.07846	97.881
#2	.00141	C.00000	.00073	.04582	.08221	.07833	98.051
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	11.745	46.731	2.7892	68.357	.02922	.00639	.23961
SDev	.037	.022	.0030	.106	.00023	.00422	.00036
%RSD	.31311	.04675	.10799	.15496	.79592	65.950	.15074
#1	11.719	46.715	2.7871	68.282	.02906	.00938	.23935
#2	11.771	46.746	2.7913	68.432	.02939	.00341	.23986
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.17178	.02517	k.00283	.00389	-.00843
SDev	.01350	.00269	.00013	.00017	.00005
%RSD	7.8574	10.705	4.4889	4.4862	.59671
#1	.18133	.02707	k.00274	.00402	-.00847
#2	.16224	.02326	k.00292	.00377	-.00839
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1L 5X Operator: SW
Run Time: 07/12/04 15:34:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00501	.00276	-.00276	.00309	.00025	10.447	.06192
SDev	.00322	.00163	.00154	.00153	.00048	.040	.00022
%RSD	64.272	58.984	55.630	49.614	195.53	.37910	.35854
#1	.00729	.00161	-.00168	.00417	.00059	10.419	.06176
#2	.00273	.00392	-.00385	.00201	-.00009	10.475	.06208
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	348.49	-.00012	.01045	.02030	.01287	20.429
SDev	.00002	.25	.00005	.00009	.00023	.00002	.002
%RSD	3.7973	.07098	39.882	.82400	1.1488	.17532	.00970
#1	.00047	348.32	-.00008	.01051	.02047	.01289	20.431
#2	.00045	348.67	-.00015	.01039	.02014	.01285	20.428
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	2.5082	10.571	.64805	15.486	.00664	.00039	.05089
SDev	.0108	.039	.00128	.068	.00020	.00115	.00072
%RSD	.43053	.36778	.19748	.43630	2.9679	293.36	1.4193
#1	2.5159	10.544	.64715	15.438	.00650	.00120	.05140
#2	2.5006	10.599	.64896	15.534	.00678	-.00042	.05038
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.03447	.00457	.00351	.00114	-.00145
SDev	.00055	.00415	.00001	.00153	.00331
%RSD	1.5862	90.854	.40844	134.64	227.76
#1	.03409	.00750	.00350	.00222	-.00379
#2	.03486	.00163	.00352	.00005	.00089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1MS Operator: SW
Run Time: 07/12/04 15:36:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	k.52554	k.52919	.48673	.50671	.01923	61.350	.68983
SDev	.00208	.00678	.00392	.00339	.00015	.146	.00168
%RSD	.39560	1.2818	.80524	.66975	.76374	.23845	.24380
#1	k.52701	k.52439	.48396	.50911	.01912	61.247	.68864
#2	k.52407	k.53399	.48950	.50431	.01933	61.453	.69102
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	.45584	C.00000	.49084	.47125	.50063	.56212	113.97
SDev	.00163	.00000	.00064	.00069	.00013	.00212	.39
%RSD	.35838	.00000	.13008	.14632	.02487	.37692	.34050
#1	.45469	C.00000	.49039	.47173	.50054	.56062	113.69
#2	.45700	C.00000	.49130	.47076	.50072	.56362	114.24
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	11.881	49.730	3.3054	68.345	.44045	.01259	.69647
SDev	.046	.142	.0085	.109	.00034	.00238	.00199
%RSD	.38580	.28599	.25821	.15990	.07760	18.910	.28534
#1	11.849	49.629	3.2994	68.268	.44069	.01427	.69506
#2	11.914	49.830	3.3114	68.422	.44021	.01090	.69787
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.59054	.52983	k.52797	.50005	-.00478
SDev	.00018	.00945	.00383	.00096	.00181
%RSD	.03096	1.7835	.72579	.19167	37.925
#1	.59067	.52315	k.52526	.50073	-.00349
#2	.59041	.53651	k.53068	.49938	-.00606
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1MSD Operator: SW
Run Time: 07/12/04 15:39:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	k.53611	k.53291	.48918	.50332	.01924	53.230	.67843
SDev	.00324	.00541	.00044	.00251	.00059	.224	.00334
%RSD	.60392	1.0155	.09024	.49788	3.0526	.42099	.49228
#1	k.53840	k.52908	.48950	.50509	.01966	53.072	.67606
#2	k.53382	k.53673	.48887	.50154	.01883	53.388	.68079
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	.45608	C.00000	.49106	.46414	.50204	.53858	96.232
SDev	.00230	.00000	.00340	.00151	.00184	.00155	.432
%RSD	.50385	.00000	.69207	.32551	.36574	.28879	.44857
#1	.45445	C.00000	.48866	.46307	.50074	.53748	95.926
#2	.45770	C.00000	.49346	.46521	.50334	.53968	96.537
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	11.675	43.137	3.1860	67.860	.43817	.01219	.66121
SDev	.021	.172	.0161	.035	.00226	.00314	.00271
%RSD	.17783	.39928	.50544	.05214	.51636	25.717	.40982
#1	11.660	43.015	3.1746	67.835	.43657	.01441	.65929
#2	11.689	43.259	3.1974	67.885	.43977	.00998	.66312
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.55990	.52241	k.53397	.49861	-.00663
SDev	.00293	.00500	.00253	.00182	.00140
%RSD	.52235	.95607	.47405	.36470	21.082
#1	.55783	.51888	k.53218	.49990	-.00564
#2	.56197	.52594	k.53576	.49732	-.00762
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-2 Operator: SW
Run Time: 07/12/04 15:41:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01696	.02440	-.00464	.02447	.00039	86.335	.22183
SDev	.00090	.00280	.01043	.00193	.00036	.125	.00033
%RSD	5.3108	11.463	224.91	7.8673	90.264	.14464	.14772
#1	.01633	.02638	-.01201	.02584	.00014	86.247	.22160
#2	.01760	.02243	.00274	.02311	.00065	86.424	.22207
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	.00135	144.27	.00813	.06443	.23409	.12759	171.39
SDev	.00000	.44	.00029	.00013	.00030	.00023	.26
%RSD	.02842	.30340	3.5147	.20055	.12625	.17680	.15169
#1	.00135	143.96	.00833	.06452	.23388	.12743	171.20
#2	.00135	144.58	.00793	.06434	.23430	.12775	171.57
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	15.223	68.851	1.8386	76.983	.07978	.00397	.39873
SDev	.005	.135	.0036	.144	.00115	.00743	.00072
%RSD	.03058	.19662	.19790	.18668	1.4378	186.86	.18119
#1	15.219	68.756	1.8361	77.084	.07897	-.00128	.39822
#2	15.226	68.947	1.8412	76.881	.08059	.00922	.39924
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.28674	.06745	.02193	.01478	-.01030
SDev	.00018	.00167	.00157	.00219	.00068
%RSD	.06365	2.4713	7.1418	14.813	6.6284
#1	.28687	.06863	.02303	.01323	-.00981
#2	.28661	.06627	.02082	.01633	-.01078
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-3 Operator: SW
Run Time: 07/12/04 15:44:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01589	.01710	.00126	.00576	.00034	63.348	.19215
SDev	.00157	.00272	.00379	.00153	.00019	.174	.00028
%RSD	9.8688	15.920	301.56	26.666	56.231	.27455	.14614
#1	.01700	.01518	.00394	.00467	.00047	63.225	.19195
#2	.01478	.01903	-.00142	.00684	.00020	63.471	.19234
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	.00120	299.92	.00501	.04259	.20338	.09109	103.33
SDev	.00004	1.01	.00000	.00039	.00065	.00009	.39
%RSD	2.9604	.33659	.06860	.91061	.32120	.09906	.37782
#1	.00118	299.21	.00501	.04287	.20291	.09115	103.06
#2	.00123	300.63	.00501	.04232	.20384	.09103	103.61
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	14.379	52.097	1.3486	79.796	.06418	.00325	.23884
SDev	.045	.163	.0041	.132	.00038	.00179	.00000
%RSD	.31237	.31329	.30546	.16575	.58582	55.087	.00000
#1	14.347	51.982	1.3457	79.702	.06391	.00451	.23884
#2	14.410	52.212	1.3515	79.889	.06444	.00198	.23884
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.22209	.03876	.01670	.00426	-.00821
SDev	.00073	.00215	.00129	.00024	.00300
%RSD	.32861	5.5439	7.7500	5.5882	36.510
#1	.22158	.03725	.01578	.00443	-.00609
#2	.22261	.04028	.01761	.00409	-.01032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-4 Operator: SW
Run Time: 07/12/04 15:46:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08060	.09158	-.00694	.01801	.00014	70.237	.26150
SDev	.00395	.00566	.00331	.00061	.00050	.187	.00028
%RSD	4.8985	6.1803	47.708	3.3797	352.26	.26672	.10746
#1	.07781	.09558	-.00928	.01844	-.00021	70.105	.26130
#2	.08339	.08758	-.00460	.01758	.00050	70.370	.26170
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	.00658	8.6639	.00047	.04942	.13396	.09699	160.31
SDev	.00002	.0407	.00026	.00043	.00121	.00036	.67
%RSD	.25652	.46974	55.105	.87253	.90548	.37215	.41869
#1	.00657	8.6351	.00066	.04911	.13310	.09674	159.84
#2	.00659	8.6927	.00029	.04972	.13482	.09725	160.79
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	7.2537	47.868	3.9939	9.7712	.17165	.00270	.25800
SDev	.0185	.139	.0155	.0162	.00018	.00229	.00181
%RSD	.25514	.29107	.38862	.16548	.10479	84.550	.69998
#1	7.2406	47.770	3.9829	9.7826	.17152	.00109	.25672
#2	7.2668	47.967	4.0049	9.7598	.17178	.00432	.25927
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.1558	.02263	.08792	.00970	.00014
SDev	.0086	.00185	.00246	.00070	.00299
%RSD	.74572	8.1717	2.7984	7.1779	2205.2
#1	1.1497	.02394	.08966	.00921	-.00198
#2	1.1619	.02133	.08618	.01019	.00225
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 15:49:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49017	.49726	.49248	.49970	.50097	49.808	.47457
SDev	.00485	.00025	.00034	.00175	.00132	.104	.00074
%RSD	.99004	.05094	.06917	.34921	.26416	.20807	.15578
#1	.48674	.49744	.49272	.49847	.50004	49.734	.47405
#2	.49360	.49708	.49224	.50094	.50191	49.881	.47510
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	.50661	50.632	.48284	.48218	.48910	.50050	20.655
SDev	.00079	.083	.00146	.00047	.00053	.00149	.023
%RSD	.15603	.16406	.30260	.09845	.10817	.29727	.11162
#1	.50717	50.691	.48387	.48185	.48947	.49944	20.671
#2	.50605	50.573	.48181	.48252	.48872	.50155	20.639
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	20.197	50.577	.48827	20.358	.47189	.47939	.50180
SDev	.001	.060	.00048	.021	.00093	.00179	.00126
%RSD	.00699	.11900	.09847	.10155	.19758	.37408	.25197
#1	20.196	50.619	.48861	20.343	.47255	.48065	.50269
#2	20.198	50.534	.48793	20.372	.47123	.47812	.50090
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49335	.50331	.49490	.49730	.51464
SDev	.00311	.00128	.00145	.00105	.00274
%RSD	.62963	.25471	.29239	.21124	.53231
#1	.49555	.50422	.49387	.49655	.51271
#2	.49115	.50240	.49592	.49804	.51658
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 15:51:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00387	.00108	.00037	.00071	.00013	.00232	-.00046
SDev	.00012	.00116	.00367	.00682	.00090	.00093	.00003
%RSD	3.1878	107.48	984.85	966.34	704.20	40.229	7.6725
#1	.00396	.00026	-.00222	-.00412	-.00051	.00298	-.00048
#2	.00378	.00189	.00297	.00553	.00077	.00166	-.00043
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	.00005	.05551	-.00038	-.00042	.00040	.00022	.02526
SDev	.00000	.00167	.00012	.00000	.00002	.00014	.00886
%RSD	.00000	3.0141	30.715	.00293	3.8619	62.151	35.076
#1	.00005	.05669	-.00030	-.00042	.00039	.00012	.01899
#2	.00005	.05432	-.00046	-.00042	.00041	.00031	.03152
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	.30292	.00295	.00026	.06234	.00026	-.00346	-.00095
SDev	.01890	.00096	.00000	.00065	.00070	.00015	.00000
%RSD	6.2391	32.521	.00000	1.0366	265.88	4.2411	.00000
#1	.28956	.00362	.00026	.06280	-.00023	-.00336	-.00095
#2	.31628	.00227	.00026	.06188	.00076	-.00356	-.00095
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00032	-.00072	.00201	.00059	-.00099
SDev	.00000	.00105	.00073	.00577	.00339
%RSD	.00000	145.30	36.398	970.20	343.25
#1	.00032	.00002	.00149	-.00349	-.00338
#2	.00032	-.00147	.00252	.00468	.00141
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405096-5 Operator: SW
Run Time: 07/12/04 15:54:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.14548	.16521	-.02303	.02405	.00034	87.250	.61707
SDev	.00094	.00117	.00237	.00121	.00006	.091	.00107
%RSD	.64413	.70961	10.289	5.0192	18.744	.10438	.17331
#1	.14482	.16438	-.02470	.02491	.00038	87.314	.61783
#2	.14615	.16604	-.02135	.02320	.00029	87.185	.61631
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	.00939	13.539	-.00054	.05792	.34536	.11494	H206.29
SDev	.00000	.051	.00017	.00022	.00135	.00025	.67
%RSD	.00306	.37789	31.397	.37276	.39190	.21590	.32563
#1	.00939	13.502	-.00067	.05808	.34440	.11511	H205.82
#2	.00939	13.575	-.00042	.05777	.34632	.11476	H206.77
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	11.591	54.968	6.8506	23.283	.17917	.00639	.35390
SDev	.020	.153	.0184	.037	.00147	.00020	.00054
%RSD	.16979	.27892	.26903	.15820	.82049	3.1782	.15309
#1	11.605	54.860	6.8376	23.309	.17813	.00625	.35352
#2	11.577	55.077	6.8636	23.257	.18021	.00653	.35429
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.0066	.04008	.15864	.00838	-.00494
SDev	.0059	.00490	.00109	.00002	.00564
%RSD	.58250	12.225	.68962	.19418	114.13
#1	1.0025	.03662	.15787	.00839	-.00095
#2	1.0108	.04355	.15942	.00836	-.00892
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-6 Operator: SW
Run Time: 07/12/04 15:56:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00097	.02275	-.02750	.02915	-.00008	138.53	.29592
SDev	.00963	.00398	.00199	.00631	.00040	.44	.00071
%RSD	991.15	17.501	7.2379	21.638	500.85	.31650	.24144
#1	-.00778	.02556	-.02890	.03361	-.00036	138.84	.29643
#2	.00584	.01993	-.02609	.02469	.00020	138.22	.29542
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	.00275	73.904	-.00493	.09671	.43708	.16183	H370.58
SDev	.00000	.104	.00033	.00004	.00109	.00120	.75
%RSD	.01742	.14137	6.6129	.04432	.24919	.73873	.20254
#1	.00275	73.978	-.00470	.09668	.43785	.16268	H371.11
#2	.00275	73.830	-.00516	.09674	.43631	.16099	H370.05
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	21.988	113.88	5.4367	9.1434	.60895	-.00038	.42185
SDev	.063	.14	.0089	.0188	.00142	.00644	.00090
%RSD	.28479	.12081	.16364	.20589	.23283	1688.9	.21408
#1	22.032	113.97	5.4430	9.1567	.60995	.00417	.42248
#2	21.944	113.78	5.4304	9.1301	.60795	-.00493	.42121
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.44865	.01615	.01485	.01029	.01291
SDev	.00128	.00274	.00055	.00354	.00170
%RSD	.28502	16.991	3.7162	34.458	13.200
#1	.44955	.01809	.01446	.01279	.01411
#2	.44775	.01421	.01524	.00778	.01170
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-7 Operator: SW
Run Time: 07/12/04 15:59:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.13857	.16071	-.14544	.00891	-.00069	64.045	.25932
SDev	.00121	.00124	.00062	.00059	.00017	.232	.00041
%RSD	.87184	.77071	.42955	6.5786	24.401	.36212	.15802
#1	.13772	.16158	-.14500	.00932	-.00081	63.881	.25903
#2	.13943	.15983	-.14589	.00849	-.00057	64.209	.25961
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	.00361	H642.38	.00135	.04061	.20011	.09800	173.63
SDev	.00002	4.69	.00017	.00030	.00092	.00020	.76
%RSD	.46704	.73047	12.490	.74276	.45857	.20719	.43979
#1	.00360	H639.06	.00147	.04082	.19946	.09814	173.09
#2	.00362	H645.70	.00123	.04039	.20076	.09785	174.17
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	26.669	74.361	2.6822	H157.99	.06992	.00248	.28609
SDev	.035	.207	.0107	.02	.00011	.00517	.00181
%RSD	.12987	.27791	.40059	.01253	.15440	208.78	.63126
#1	26.644	74.215	2.6746	H157.98	.06999	-.00118	.28481
#2	26.693	74.507	2.6898	H158.01	.06984	.00613	.28737
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.37284	.06298	.15334	L-.04249	-.00889
SDev	.00292	.00407	.00042	.00060	.00583
%RSD	.78361	6.4615	.27641	1.4096	65.583
#1	.37078	.06585	.15364	L-.04207	-.01302
#2	.37491	.06010	.15304	L-.04291	-.00477
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-8 Operator: SW
Run Time: 07/12/04 16:01:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09611	.10258	-.16963	-.00280	-.00109	56.809	.23610
SDev	.00370	.00649	.00205	.00299	.00107	.189	.00005
%RSD	3.8528	6.3252	1.2098	106.65	98.309	.33336	.01983
#1	.09873	.09799	-.17108	-.00069	-.00033	56.675	.23607
#2	.09350	.10716	-.16818	-.00492	-.00184	56.943	.23614
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	.00282	H1435.9	.00117	.03423	.22455	.07720	111.43
SDev	.00000	3.8	.00025	.00017	.00030	.00043	.10
%RSD	.01358	.26626	21.220	.50371	.13160	.55528	.09041
#1	.00282	H1433.2	.00135	.03435	.22475	.07750	111.35
#2	.00282	H1438.6	.00099	.03411	.22434	.07689	111.50
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	17.969	61.910	2.9519	94.859	.07950	.00349	.19313
SDev	.136	.035	.0014	.772	.00016	.00283	.00072
%RSD	.75444	.05587	.04737	.81397	.20322	81.027	.37402
#1	17.874	61.886	2.9509	94.313	.07962	.00549	.19364
#2	18.065	61.934	2.9529	95.405	.07939	.00149	.19262
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.31978	.03769	.10042	L-.05836	-.00907
SDev	.00164	.00057	.00310	.00131	.00232
%RSD	.51377	1.5164	3.0814	2.2450	25.619
#1	.32094	.03809	.09824	L-.05743	-.00743
#2	.31862	.03728	.10261	L-.05928	-.01072
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-9 Operator: SW
Run Time: 07/12/04 16:04:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.12835	.15541	-.04394	.02945	-.00041	76.629	.38751
SDev	.00053	.00045	.00278	.00346	.00065	.010	.00061
%RSD	.41356	.28883	6.3199	11.749	160.21	.01364	.15733
#1	.12873	.15509	-.04197	.03189	-.00087	76.637	.38794
#2	.12798	.15573	-.04590	.02700	.00005	76.622	.38708
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	.00679	158.55	.01701	.03779	.29077	.19208	173.48
SDev	.00003	1.54	.00024	.00056	.00230	.00084	1.16
%RSD	.51704	.97174	1.3867	1.4825	.79176	.43450	.67089
#1	.00676	157.46	.01718	.03739	.28914	.19267	172.66
#2	.00681	159.64	.01685	.03818	.29240	.19149	174.30
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	25.745	88.032	1.8629	C.00000	.11775	.00298	.36450
SDev	.169	.527	.0111	.00000	.00183	.00231	.00108
%RSD	.65549	.59903	.59711	.00000	1.5536	77.629	.29730
#1	25.864	87.659	1.8551	C.00000	.11646	.00461	.36374
#2	25.625	88.405	1.8708	C.00000	.11905	.00134	.36527
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.65868	.16621	.14640	.00501	-.00439
SDev	.00768	.00044	.00012	.00323	.00599
%RSD	1.1662	.26421	.08377	64.514	136.39
#1	.65325	.16590	.14631	.00730	-.00863
#2	.66411	.16652	.14649	.00272	-.00016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-10 Operator: SW
Run Time: 07/12/04 16:06:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07920	.08132	-.04565	.00339	-.00049	57.485	.31822
SDev	.00007	.00079	.00093	.00113	.00061	.154	.00063
%RSD	.08984	.97657	2.0371	33.277	122.92	.26782	.19881
#1	.07915	.08188	-.04631	.00419	-.00092	57.376	.31777
#2	.07925	.08076	-.04499	.00260	-.00006	57.594	.31866
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	.00205	H568.00	-.00001	.03941	.18247	.11408	111.02
SDev	.00002	2.71	.00000	.00039	.00089	.00043	.32
%RSD	.85774	.47721	19.984	.98505	.48583	.37573	.28931
#1	.00203	H566.08	-.00001	.03913	.18184	.11377	110.79
#2	.00206	H569.91	-.00001	.03968	.18310	.11438	111.24
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	23.624	50.762	2.1440	50.672	.06937	.00414	.19887
SDev	.029	.143	.0058	.075	.00027	.00642	.00054
%RSD	.12330	.28119	.27149	.14850	.38838	155.13	.27241
#1	23.604	50.661	2.1399	50.618	.06918	-.00040	.19849
#2	23.645	50.862	2.1481	50.725	.06956	.00868	.19926
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.28480	.00955	.08061	L-.01294	-.00914
SDev	.00146	.00068	.00051	.00044	.00171
%RSD	.51268	7.0858	.62770	3.4306	18.689
#1	.28377	.01003	.08097	L-.01262	-.01035
#2	.28584	.00907	.08026	L-.01325	-.00793
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-11 Operator: SW
Run Time: 07/12/04 16:09:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.13634	.14278	-.00687	.00398	.00397	8.4084	.06516
SDev	.00239	.00455	.00573	.00512	.00029	.0420	.00001
%RSD	1.7569	3.1832	83.396	128.82	7.3983	.49965	.01793
#1	.13465	.14600	-.01092	.00760	.00417	8.4381	.06515
#2	.13803	.13957	-.00282	.00035	.00376	8.3787	.06517
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	.00441	.65244	-.00043	.00418	.25459	.03399	49.333
SDev	.00002	.01281	.00008	.00034	.00017	.00007	.067
%RSD	.40185	1.9635	18.266	8.2593	.06721	.19912	.13645
#1	.00443	.66150	-.00038	.00393	.25447	.03395	49.381
#2	.00440	.64339	-.00049	.00442	.25471	.03404	49.286
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	3.3050	1.0054	.75659	2.7030	.01697	-.00079	.01271
SDev	.0016	.0000	.00062	.0045	.00023	.00036	.00018
%RSD	.04898	.00000	.08214	.16709	1.3702	46.415	1.4203
#1	3.3061	1.0054	.75703	2.6998	.01714	-.00104	.01284
#2	3.3039	1.0054	.75615	2.7062	.01681	-.00053	.01258
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.10885	.01676	.14064	.00036	-.00036
SDev	.00000	.00030	.00223	.00151	.00258
%RSD	.00000	1.8113	1.5884	413.46	713.57
#1	.10885	.01698	.14222	.00143	-.00218
#2	.10885	.01655	.13906	-.00070	.00146
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-12 Operator: SW
Run Time: 07/12/04 16:11:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09064	.08695	-.00880	.00066	.00655	6.1067	.04868
SDev	.00414	.00310	.00050	.00063	.00025	.0359	.00036
%RSD	4.5641	3.5626	5.6834	95.084	3.8431	.58803	.74391
#1	.08771	.08914	-.00915	.00022	.00637	6.0813	.04843
#2	.09356	.08476	-.00844	.00111	.00672	6.1321	.04894
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	.00347	.78752	-.00045	.00344	.28578	.03024	43.691
SDev	.00000	.00504	.00006	.00086	.00233	.00014	.370
%RSD	.00000	.64039	14.175	25.080	.81648	.44760	.84731
#1	.00347	.78396	-.00041	.00283	.28413	.03034	43.430
#2	.00347	.79109	-.00050	.00405	.28743	.03015	43.953
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	3.5324	.79321	.35220	2.0119	.01491	.00144	.01310
SDev	.0326	.00657	.00324	.0026	.00032	.00360	.00000
%RSD	.92246	.82820	.91848	.13120	2.1719	249.27	.00000
#1	3.5093	.78856	.34992	2.0100	.01468	-.00110	.01310
#2	3.5554	.79785	.35449	2.0138	.01514	.00398	.01310
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.07791	.09260	.08818	-.00249	-.00385
SDev	.00182	.00077	.00069	.00059	.00370
%RSD	2.3400	.83611	.78080	23.566	96.086
#1	.07662	.09205	.08866	-.00290	-.00646
#2	.07920	.09315	.08769	-.00207	-.00123
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-13 Operator: SW
Run Time: 07/12/04 16:14:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04147	.05265	-.01594	.01863	-.00073	94.663	.34184
SDev	.00247	.00081	.00184	.00084	.00069	.187	.00033
%RSD	5.9606	1.5369	11.542	4.5029	94.538	.19801	.09599
#1	.03972	.05322	-.01725	.01803	-.00122	94.530	.34208
#2	.04321	.05207	-.01464	.01922	-.00024	94.795	.34161
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	.00939	9.4382	-.00117	.08118	.32133	.06949	H239.79
SDev	.00007	.0653	.00002	.00073	.00159	.00000	1.17
%RSD	.75147	.69203	1.5603	.90266	.49382	.00000	.48732
#1	.00934	9.3920	-.00118	.08066	.32020	.06949	H238.97
#2	.00944	9.4844	-.00116	.08169	.32245	.06949	H240.62
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	11.259	69.397	H10.889	3.7333	.07809	.00308	.35275
SDev	.019	.333	.047	.0052	.00120	.00445	.00145
%RSD	.17189	.48024	.42989	.13806	1.5393	144.72	.40959
#1	11.245	69.161	H10.856	3.7369	.07724	-.00007	.35173
#2	11.273	69.633	H10.922	3.7296	.07894	.00623	.35378
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.61083	.01679	.04892	.00712	.00423
SDev	.00549	.00200	.00028	.00117	.00671
%RSD	.89798	11.920	.57918	16.476	158.83
#1	.60696	.01538	.04872	.00629	-.00052
#2	.61471	.01821	.04912	.00794	.00897
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-14 Operator: SW
Run Time: 07/12/04 16:16:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04544	.05450	-.00730	.01208	.00072	59.556	.36406
SDev	.00444	.00004	.00693	.00233	.00006	.244	.00179
%RSD	9.7632	.07302	95.004	19.324	8.7235	.40973	.49260
#1	.04230	.05452	-.00239	.01374	.00077	59.383	.36279
#2	.04858	.05447	-.01220	.01043	.00068	59.728	.36533
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	.00502	7.4685	-.00029	.03793	.22512	.06603	137.90
SDev	.00000	.0132	.00003	.00060	.00054	.00020	.28
%RSD	.00000	.17740	10.005	1.5927	.24182	.30752	.20497
#1	.00502	7.4592	-.00031	.03750	.22473	.06617	137.70
#2	.00502	7.4779	-.00027	.03836	.22550	.06589	138.10
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	7.2804	41.914	2.3806	2.9140	.12035	.00344	.21969
SDev	.0480	.046	.0049	.0128	.00045	.00357	.00000
%RSD	.65867	.10944	.20609	.43859	.37176	103.70	.00000
#1	7.2465	41.881	2.3771	2.9049	.12067	.00597	.21969
#2	7.3143	41.946	2.3841	2.9230	.12004	.00092	.21969
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.63424	.01691	.05148	.00563	-.00662
SDev	.00238	.00250	.00145	.00387	.00225
%RSD	.37482	14.785	2.8180	68.649	33.999
#1	.63256	.01868	.05045	.00836	-.00503
#2	.63592	.01514	.05251	.00290	-.00821
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 16:19:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49086	.49727	.49302	.50121	.50239	49.996	.47606
SDev	.00536	.00444	.00077	.00564	.00077	.180	.00113
%RSD	1.0909	.89228	.15586	1.1257	.15295	.35919	.23664
#1	.48707	.49413	.49357	.49722	.50185	49.869	.47526
#2	.49464	.50041	.49248	.50520	.50294	50.123	.47686
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	.50525	50.760	.48379	.48459	.48843	.50193	20.654
SDev	.00045	.047	.00011	.00078	.00023	.00149	.004
%RSD	.08903	.09217	.02233	.16014	.04779	.29642	.01915
#1	.50557	50.793	.48386	.48514	.48826	.50088	20.657
#2	.50494	50.727	.48371	.48404	.48859	.50298	20.651
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	20.366	50.660	.48820	20.554	.47447	.48199	.50142
SDev	.096	.014	.00000	.112	.00231	.00156	.00072
%RSD	.47127	.02681	.00000	.54254	.48761	.32396	.14409
#1	20.298	50.669	.48820	20.475	.47283	.48089	.50090
#2	20.434	50.650	.48820	20.633	.47610	.48309	.50193
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49413	.49932	.49513	.49849	.50936
SDev	.00201	.00141	.00474	.00351	.00157
%RSD	.40678	.28282	.95785	.70363	.30867
#1	.49555	.49832	.49178	.49601	.51047
#2	.49270	.50032	.49849	.50097	.50825
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 16:21:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00156	.00030	.00663	-.00060	-.00001	.02898	-.00034
SDev	.00288	.00199	.00142	.00088	.00075	.00302	.00008
%RSD	184.36	670.67	21.420	147.37	13963.	10.435	23.972
#1	.00360	-.00111	.00763	.00003	.00053	.03112	-.00028
#2	-.00047	.00170	.00562	-.00122	-.00054	.02684	-.00040
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	.00017	.06160	-.00028	-.00039	.00070	.00015	.04422
SDev	.00003	.00264	.00028	.00030	.00028	.00032	.01144
%RSD	20.637	4.2769	100.55	77.534	40.013	205.11	25.873
#1	.00020	.06346	-.00008	-.00018	.00090	.00038	.05231
#2	.00015	.05974	-.00048	-.00060	.00050	-.00007	.03613
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	.28802	.01597	.00077	.06495	.00071	-.00284	-.00031
SDev	.03080	.00741	.00016	.00091	.00025	.00044	.00054
%RSD	10.695	46.414	21.292	1.4019	35.460	15.572	174.66
#1	.30980	.02121	.00088	.06559	.00053	-.00315	.00007
#2	.26624	.01073	.00065	.06430	.00088	-.00253	-.00069
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00071	.00233	.00072	.00181	-.00226
SDev	.00018	.00179	.00037	.00106	.00158
%RSD	25.695	76.903	51.307	58.654	70.065
#1	.00084	.00106	.00046	.00256	-.00114
#2	.00058	.00360	.00098	.00106	-.00338
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405096-15 Operator: SW
Run Time: 07/12/04 16:24:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.05742	.07708	-.02192	.02423	.00048	80.266	.64149
SDev	.00041	.00215	.00001	.00345	.00027	.131	.00008
%RSD	.70749	2.7861	.02291	14.253	56.335	.16369	.01283
#1	.05713	.07860	-.02192	.02668	.00068	80.173	.64143
#2	.05770	.07556	-.02193	.02179	.00029	80.359	.64155
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	.00596	12.836	.00013	.05266	.35119	.09596	177.21
SDev	.00002	.016	.00015	.00043	.00058	.00020	.16
%RSD	.29116	.12358	116.17	.81858	.16390	.21160	.09158
#1	.00597	12.825	.00023	.05296	.35160	.09610	177.10
#2	.00595	12.847	.00002	.05235	.35078	.09581	177.33
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	11.123	57.183	3.9007	3.4593	.19641	.00032	.28264
SDev	.000	.049	.0032	.0013	.00029	.00271	.00090
%RSD	.00329	.08563	.08273	.03644	.14579	846.57	.31947
#1	11.122	57.148	3.8984	3.4584	.19620	-.00159	.28328
#2	11.123	57.218	3.9030	3.4602	.19661	.00223	.28201
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.89847	.01634	.07053	.00886	.00896
SDev	.00128	.00051	.00130	.00231	.00405
%RSD	.14268	3.1197	1.8391	26.013	45.185
#1	.89756	.01670	.07145	.01049	.01182
#2	.89937	.01598	.06961	.00723	.00609
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-16 Operator: SW
Run Time: 07/12/04 16:26:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04275	.05358	-.00970	.01145	-.00024	68.231	.46420
SDev	.00347	.00310	.00035	.00164	.00096	.003	.00133
%RSD	8.1168	5.7898	3.5579	14.324	397.53	.00493	.28563
#1	.04521	.05138	-.00994	.01261	.00044	68.233	.46327
#2	.04030	.05577	-.00946	.01029	-.00092	68.229	.46514
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	.00554	8.2710	-.00004	.04949	.21217	.10119	161.23
SDev	.00004	.0311	.00002	.00077	.00072	.00016	.09
%RSD	.64363	.37582	40.882	1.5670	.33720	.15606	.05832
#1	.00552	8.2930	-.00005	.05004	.21268	.10130	161.29
#2	.00557	8.2490	-.00003	.04894	.21167	.10108	161.16
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	8.3872	47.229	2.9853	3.1082	.16975	.00078	.24063
SDev	.0489	.040	.0017	.0272	.00050	.00439	.00000
%RSD	.58307	.08575	.05857	.87431	.29636	562.82	.00000
#1	8.3526	47.257	2.9865	3.0890	.17011	.00388	.24063
#2	8.4218	47.200	2.9841	3.1274	.16939	-.00232	.24063
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.82713	.01657	.04997	.00440	.00358
SDev	.00256	.00183	.00091	.00098	.00869
%RSD	.30984	11.038	1.8279	22.219	242.84
#1	.82894	.01786	.04933	.00510	.00973
#2	.82532	.01528	.05062	.00371	-.00257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-17 Operator: SW
Run Time: 07/12/04 16:29:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08809	.10298	-.01243	.02195	.00029	85.971	.43168
SDev	.00150	.00066	.00344	.00381	.00038	.009	.00098
%RSD	1.7014	.64096	27.680	17.380	129.65	.01074	.22825
#1	.08915	.10345	-.01000	.02465	.00002	85.977	.43098
#2	.08703	.10251	-.01487	.01925	.00056	85.964	.43237
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	.00845	8.0079	.00035	.05975	.31891	.10944	H210.80
SDev	.00000	.0191	.00012	.00004	.00190	.00104	.66
%RSD	.00681	.23868	34.779	.07273	.59511	.94826	.31356
#1	.00845	7.9944	.00043	.05972	.31756	.10870	H210.33
#2	.00845	8.0214	.00026	.05978	.32025	.11017	H211.26
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	11.003	52.963	6.9782	2.8809	.25668	.00744	.32466
SDev	.024	.152	.0180	.0124	.00016	.00035	.00108
%RSD	.21609	.28653	.25769	.42950	.06290	4.7289	.33377
#1	11.019	52.856	6.9655	2.8897	.25657	.00769	.32389
#2	10.986	53.070	6.9910	2.8722	.25680	.00719	.32542
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.2239	.02373	.09802	.01050	.01358
SDev	.0040	.00250	.00094	.00369	.00014
%RSD	.32977	10.542	.95831	35.149	1.0088
#1	1.2211	.02196	.09869	.01311	.01368
#2	1.2268	.02550	.09736	.00789	.01348
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-18 Operator: SW
Run Time: 07/12/04 16:31:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.42526	.45805	-.12838	.01291	-.00272	49.018	.56851
SDev	.00464	.00477	.00379	.00307	.00031	.271	.00249
%RSD	1.0904	1.0405	2.9553	23.760	11.568	.55289	.43802
#1	.42854	.46142	-.12570	.01074	-.00250	48.827	.56675
#2	.42198	.45468	-.13106	.01507	-.00294	49.210	.57027
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	.01110	3.3752	-.00029	.05306	.25826	.04803	169.78
SDev	.00002	.0146	.00022	.00035	.00159	.00029	.86
%RSD	.15724	.43151	74.303	.65160	.61434	.61063	.50392
#1	.01109	3.3649	-.00044	.05281	.25713	.04783	169.17
#2	.01111	3.3855	-.00014	.05330	.25938	.04824	170.38
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	9.8315	20.119	H13.641	2.0789	.04921	.00187	.10477
SDev	.0439	.091	.059	.0098	.00009	.00027	.00072
%RSD	.44638	.45337	.43406	.47004	.18123	14.686	.68942
#1	9.8005	20.055	H13.600	2.0720	.04927	.00206	.10426
#2	9.8625	20.184	H13.683	2.0858	.04914	.00167	.10528
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.5113	.05924	.44713	L-.03414	.00463
SDev	.0037	.00121	.00472	.00078	.00570
%RSD	.24315	2.0405	1.0563	2.2904	123.11
#1	1.5087	.05838	.45047	L-.03469	.00867
#2	1.5139	.06009	.44379	L-.03359	.00060
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-19 Operator: SW
Run Time: 07/12/04 16:34:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.14767	.15625	-.02556	.01139	-.00039	16.959	.13495
SDev	.00055	.00036	.00358	.00210	.00025	.021	.00022
%RSD	.37096	.23128	14.004	18.462	64.367	.12659	.16463
#1	.14805	.15600	-.02809	.00991	-.00021	16.974	.13479
#2	.14728	.15651	-.02303	.01288	-.00057	16.944	.13511
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	.00635	1.2668	-.00056	.00822	.23378	.03208	78.638
SDev	.00003	.0036	.00005	.00000	.00113	.00002	.302
%RSD	.55678	.28142	8.9954	.00095	.48568	.07034	.38430
#1	.00633	1.2643	-.00052	.00822	.23298	.03210	78.425
#2	.00638	1.2694	-.00060	.00822	.23459	.03206	78.852
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	5.4451	4.1931	1.6067	2.4759	.01386	.00075	.03927
SDev	.0093	.0113	.0050	.0114	.00056	.00257	.00054
%RSD	.17057	.27036	.30952	.46148	4.0088	341.05	1.3794
#1	5.4517	4.1851	1.6032	2.4840	.01347	-.00106	.03889
#2	5.4385	4.2011	1.6102	2.4678	.01425	.00257	.03965
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.29616	.02072	.15339	-.00091	-.00200
SDev	.00146	.00088	.00006	.00259	.00210
%RSD	.49305	4.2567	.03823	284.38	104.85
#1	.29513	.02009	.15335	-.00275	-.00348
#2	.29719	.02134	.15343	.00092	-.00052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-20 Operator: SW
Run Time: 07/12/04 16:36:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.06794	.08152	-.02146	.01514	.00096	79.329	.54927
SDev	.00148	.00254	.00325	.00227	.00078	.046	.00104
%RSD	2.1858	3.1125	15.156	15.026	80.957	.05801	.19029
#1	.06899	.07973	-.02376	.01353	.00151	79.362	.54853
#2	.06689	.08331	-.01916	.01674	.00041	79.297	.55001
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	9.5153	.00040	.05220	.30274	.08551	181.06
SDev	.00002	.0213	.00017	.00009	.00115	.00027	.13
%RSD	.25609	.22419	43.840	.16446	.38024	.31661	.07114
#1	.00683	9.5304	.00052	.05226	.30355	.08570	181.15
#2	.00680	9.5002	.00027	.05214	.30192	.08532	180.97
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	8.9365	55.903	3.9566	3.2950	.18525	.00495	.29018
SDev	.0182	.098	.0022	.0007	.00111	.00260	.00072
%RSD	.20368	.17616	.05583	.02108	.60020	52.451	.24895
#1	8.9494	55.973	3.9582	3.2955	.18603	.00679	.29069
#2	8.9236	55.834	3.9551	3.2945	.18446	.00312	.28967
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.99483	.02063	.07700	.00295	-.00578
SDev	.00201	.00206	.00120	.00260	.00321
%RSD	.20259	9.9987	1.5556	88.152	55.505
#1	.99626	.02209	.07615	.00111	-.00351
#2	.99341	.01918	.07785	.00479	-.00805
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Analysis Report 07/12/04 04:45:25 PM

Method: TRACE Sample Name: A1 Operator: SW
Run Time: 07/12/04 16:42:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00107	.00228	.00271	-.00122	-.00027	-.03044	-.00055
SDev	.00181	.00046	.00224	.00526	.00029	.00201	.00002
%RSD	169.46	20.284	82.940	430.15	107.81	6.5977	4.2663
#1	.00021	.00261	.00112	-.00494	-.00048	-.03186	-.00056
#2	-.00235	.00195	.00429	.00250	-.00006	-.02902	-.00053
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	-.00001	-.01103	-.00043	.00010	-.00077	-.00023	.01334
SDev	.00000	.00025	.00003	.00073	.00044	.00036	.00311
%RSD	1.8753	2.2502	7.2860	744.69	56.263	157.71	23.325
#1	-.00001	-.01120	-.00041	-.00042	-.00108	-.00048	.01114
#2	-.00001	-.01085	-.00045	.00062	-.00047	.00003	.01554
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	.27763	-.04145	.00015	.04501	-.00070	-.00319	-.00031
SDev	.05669	.00348	.00001	.00128	.00020	.00036	.00018
%RSD	20.420	8.3929	8.6514	2.8328	28.317	11.368	58.222
#1	.23755	-.04391	.00014	.04410	-.00084	-.00345	-.00044
#2	.31772	-.03899	.00015	.04591	-.00056	-.00293	-.00018
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00071	.97371	.00116	.00008	-.00143
SDev	.00036	.00419	.00091	.00426	.00039
%RSD	51.462	.43051	78.254	5016.2	27.520
#1	-.00045	.97075	.00181	-.00293	-.00171
#2	-.00097	.97667	.00052	.00309	-.00116
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: B1 Operator: SW
Run Time: 07/12/04 16:45:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00121	.00048	.00213	-.00364	.00017	-.02959	-.00051
SDev	.00081	.00032	.00462	.00146	.00050	.00121	.00003
%RSD	66.898	67.459	216.74	40.133	291.71	4.0775	6.9215
#1	-.00064	.00071	-.00114	-.00260	-.00018	-.03044	-.00053
#2	-.00178	.00025	.00540	-.00467	.00053	-.02874	-.00048
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	-.00001	-.00945	-.00044	-.00018	-.00026	-.00002	.01279
SDev	.00000	.00000	.00002	.00026	.00020	.00029	.00239
%RSD	1.8753	.00000	5.1678	147.02	78.632	1364.6	18.660
#1	-.00001	-.00945	-.00046	.00001	-.00040	-.00023	.01111
#2	-.00001	-.00945	-.00043	-.00036	-.00011	.00019	.01448
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	.27280	-.04022	-.00011	.04449	-.00038	-.00293	-.00031
SDev	.01342	.00174	.00003	.00046	.00029	.00015	.00018
%RSD	4.9193	4.3248	22.353	1.0427	74.937	5.0551	58.222
#1	.26331	-.04145	-.00013	.04416	-.00018	-.00283	-.00018
#2	.28229	-.03899	-.00009	.04481	-.00059	-.00304	-.00044
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00032	1.0485	-.00008	-.00172	.00025
SDev	.00055	.0012	.00049	.00057	.00357
%RSD	169.97	.11544	589.34	32.975	1421.0
#1	.00006	1.0494	.00026	-.00212	.00277
#2	-.00071	1.0476	-.00043	-.00132	-.00227
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: C1 Operator: SW
Run Time: 07/12/04 16:47:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00182	-.00263	.00497	-.00199	.00032	-.03087	-.00054
SDev	.00173	.00417	.00360	.00204	.00067	.00060	.00001
%RSD	94.980	158.42	72.510	102.94	209.17	1.9477	2.1658
#1	.00305	-.00558	.00242	-.00054	.00080	-.03129	-.00053
#2	.00060	.00032	.00752	-.00343	-.00015	-.03044	-.00055
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	-.00001	-.00998	-.00042	-.00005	-.00051	-.00005	.00945
SDev	.00000	.00025	.00025	.00026	.00012	.00016	.00080
%RSD	.00000	2.4877	59.310	479.01	24.393	295.75	8.4581
#1	-.00001	-.00980	-.00059	.00013	-.00060	-.00017	.00888
#2	-.00001	-.01015	-.00024	-.00024	-.00042	.00006	.01001
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	.29101	-.04453	-.00024	.04498	-.00057	-.00179	-.00018
SDev	.00308	.00203	.00005	.00077	.00034	.00147	.00000
%RSD	1.0574	4.5577	21.224	1.7180	59.364	81.855	.00000
#1	.28883	-.04596	-.00020	.04443	-.00081	-.00075	-.00018
#2	.29318	-.04309	-.00027	.04552	-.00033	-.00283	-.00018
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00097	1.0008	-.00115	.00033	.00087
SDev	.00018	.0005	.00220	.00016	.00365
%RSD	18.846	.05238	192.03	49.307	421.40
#1	.00110	1.0005	-.00270	.00045	.00345
#2	.00084	1.0012	.00041	.00022	-.00171
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1 5X Operator: SW
Run Time: 07/12/04 16:50:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00814	.00014	.00412	.00264	.00062	10.446	.06157
SDev	.00380	.00292	.00648	.00031	.00063	.021	.00008
%RSD	46.745	2038.9	157.45	11.596	101.90	.20437	.13284
#1	.00545	.00221	-.00047	.00286	.00017	10.461	.06151
#2	.01083	-.00192	.00870	.00242	.00106	10.431	.06163
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	.00042	347.62	-.00012	.01015	.02033	.01287	20.374
SDev	.00000	1.16	.00005	.00034	.00006	.00034	.002
%RSD	.02271	.33286	37.933	3.3984	.30584	2.6298	.00967
#1	.00042	346.81	-.00015	.00990	.02029	.01263	20.373
#2	.00042	348.44	-.00009	.01039	.02038	.01311	20.376
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	2.4871	10.544	.64265	15.494	.00748	.00257	.05050
SDev	.0000	.000	.00099	.118	.00020	.00379	.00018
%RSD	.00000	.00258	.15378	.76352	2.6315	147.50	.35752
#1	2.4871	10.544	.64195	15.578	.00761	-.00011	.05038
#2	2.4871	10.544	.64335	15.410	.00734	.00525	.05063
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.03473	.00725	.00281	.00313	-.00352
SDev	.00055	.00402	.00068	.00195	.00515
%RSD	1.5744	55.490	24.233	62.377	146.47
#1	.03434	.00441	.00329	.00175	-.00716
#2	.03512	.01010	.00232	.00451	.00013
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 16:53:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48415	.49526	.48885	.49206	.50064	49.806	.47192
SDev	.00100	.00316	.00222	.01002	.00000	.154	.00093
%RSD	.20723	.63744	.45488	2.0367	.00000	.30900	.19643
#1	.48486	.49750	.48728	.48497	.50064	49.697	.47126
#2	.48344	.49303	.49042	.49914	.50064	49.915	.47258
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	.50388	50.855	.48113	.48270	.48821	.49964	20.627
SDev	.00056	.088	.00032	.00147	.00042	.00158	.005
%RSD	.11047	.17342	.06606	.30389	.08606	.31583	.02498
#1	.50349	50.793	.48091	.48166	.48791	.49852	20.630
#2	.50427	50.917	.48136	.48374	.48850	.50075	20.623
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	20.155	50.442	.48568	20.373	.47194	.47834	.50129
SDev	.088	.105	.00108	.085	.00111	.00516	.00126
%RSD	.43611	.20907	.22143	.41768	.23531	1.0796	.25223
#1	20.093	50.367	.48492	20.313	.47273	.48200	.50039
#2	20.217	50.516	.48644	20.433	.47115	.47469	.50218
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49102	.50240	.49156	.49099	.51185
SDev	.00128	.00066	.00244	.00743	.00275
%RSD	.26049	.13097	.49634	1.5122	.53662
#1	.49012	.50194	.49329	.48574	.50991
#2	.49193	.50287	.48984	.49624	.51379
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 16:55:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00149	.00026	.00067	-.00342	-.00018	-.00075	-.00038
SDev	.00128	.00083	.00512	.00507	.00046	.00386	.00007
%RSD	85.859	323.48	762.76	148.46	251.62	515.34	18.328
#1	.00240	-.00033	-.00295	.00017	.00014	.00198	-.00043
#2	.00059	.00085	.00429	-.00701	-.00051	-.00348	-.00033
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	.04775	-.00031	-.00072	.00015	.00036	.02871
SDev	.00002	.00453	.00015	.00034	.00012	.00016	.01211
%RSD	16.287	9.4820	46.998	47.594	83.071	43.701	42.175
#1	.00010	.05095	-.00042	-.00048	.00006	.00025	.03727
#2	.00012	.04455	-.00021	-.00097	.00024	.00047	.02015
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	.27640	-.00701	.00046	.06083	.00029	-.00133	-.00018
SDev	.02577	.00290	.00003	.00027	.00045	.00066	.00036
%RSD	9.3249	41.350	5.5085	.43792	155.51	49.458	197.93
#1	.25818	-.00906	.00048	.06102	-.00003	-.00180	-.00044
#2	.29463	-.00496	.00044	.06065	.00060	-.00087	.00007
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00058	.00255	.00067	-.00206	-.00338
SDev	.00000	.00169	.00013	.00168	.00316
%RSD	.00000	66.267	19.164	81.687	93.501
#1	.00058	.00135	.00058	-.00087	-.00115
#2	.00058	.00374	.00076	-.00324	-.00561
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405096-1D 5X Operator: SW
Run Time: 07/12/04 16:58:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00542	.00170	-.00022	-.00001	.00025	10.302	.05498
SDev	.00279	.00106	.00034	.00013	.00069	.022	.00003
%RSD	51.401	62.533	152.31	1284.4	280.54	.21088	.06376
#1	.00739	.00095	.00002	-.00010	-.00024	10.318	.05500
#2	.00345	.00245	-.00047	.00008	.00074	10.287	.05495
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	308.18	-.00012	.01005	.01784	.01603	20.287
SDev	.00000	1.40	.00014	.00004	.00079	.00007	.089
%RSD	.05162	.45354	116.27	.42860	4.4450	.42230	.43903
#1	.00037	307.19	-.00022	.01002	.01728	.01598	20.224
#2	.00037	309.17	-.00002	.01008	.01840	.01608	20.350
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	2.2503	10.379	.60770	13.662	.00604	-.00149	.05140
SDev	.0067	.027	.00203	.079	.00014	.00109	.00036
%RSD	.29836	.25681	.33349	.57883	2.3737	73.403	.70260
#1	2.2455	10.360	.60626	13.718	.00594	-.00226	.05114
#2	2.2550	10.397	.60913	13.606	.00614	-.00072	.05165
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.03460	.00347	.00294	-.00008	-.00220
SDev	.00109	.00110	.00022	.00003	.00075
%RSD	3.1605	31.544	7.4517	35.581	34.210
#1	.03383	.00425	.00309	-.00006	-.00167
#2	.03538	.00270	.00278	-.00010	-.00273
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1L 25X Operator: SW
Run Time: 07/12/04 17:00:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00181	.00088	.00342	-.00003	.00051	2.1251	.01221
SDev	.00012	.00046	.00326	.00690	.00036	.0044	.00011
%RSD	6.5719	52.489	95.485	20525.	69.415	.20590	.86081
#1	.00189	.00121	.00572	.00484	.00077	2.1282	.01228
#2	.00172	.00056	.00111	-.00491	.00026	2.1220	.01214
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	67.405	-.00024	.00184	.00383	.00283	4.0649
SDev	.00000	.093	.00006	.00009	.00008	.00018	.0160
%RSD	.24846	.13735	22.999	4.6828	2.0283	6.3684	.39372
#1	.00012	67.470	-.00028	.00178	.00378	.00296	4.0762
#2	.00012	67.339	-.00020	.00190	.00389	.00271	4.0536
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	.64329	2.1985	.13401	2.8601	.00092	-.00063	.00990
SDev	.00190	.0064	.00008	.0046	.00030	.00243	.00054
%RSD	.29472	.29289	.05647	.16200	32.932	388.12	5.4694
#1	.64195	2.2030	.13406	2.8569	.00114	-.00235	.01029
#2	.64463	2.1939	.13396	2.8634	.00071	.00109	.00952
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00702	.00080	.00119	.00112	-.00021
SDev	.00036	.00122	.00035	.00569	.00132
%RSD	5.1895	152.33	29.294	509.90	635.99
#1	.00677	-.00006	.00144	.00514	.00073
#2	.00728	.00166	.00094	-.00291	-.00114
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1MS 5X Operator: SW
Run Time: 07/12/04 17:04:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.11953	.11841	.09893	.10656	.00458	12.951	.14608
SDev	.00084	.00158	.00291	.00255	.00040	.043	.00060
%RSD	.70646	1.3344	2.9434	2.3976	8.7068	.32933	.40828
#1	.12013	.11953	.10099	.10837	.00429	12.981	.14650
#2	.11893	.11729	.09687	.10475	.00486	12.921	.14566
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	.09736	300.36	.10973	.10324	.11012	.11381	23.431
SDev	.00034	1.39	.00038	.00021	.00047	.00027	.031
%RSD	.34830	.46309	.34925	.20858	.42364	.23786	.13321
#1	.09712	299.37	.10945	.10309	.10979	.11400	23.409
#2	.09760	301.34	.11000	.10339	.11045	.11361	23.453
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	2.2642	11.003	.71800	13.650	.09841	.00240	.14946
SDev	.0113	.024	.00128	.119	.00045	.00109	.00036
%RSD	.50009	.21977	.17836	.87011	.45574	45.396	.24164
#1	2.2562	10.986	.71709	13.734	.09809	.00163	.14920
#2	2.2722	11.020	.71890	13.566	.09872	.00318	.14971
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.13090	.11327	.11878	.10402	-.00657
SDev	.00055	.00020	.00134	.00267	.00080
%RSD	.41794	.17749	1.1240	2.5704	12.198
#1	.13051	.11313	.11973	.10591	-.00714
#2	.13129	.11341	.11784	.10213	-.00601
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1MSD 5X Operator: SW
Run Time: 07/12/04 17:06:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.11658	.11779	.10098	.10968	.00435	11.191	.14372
SDev	.00527	.00138	.00516	.00108	.00038	.025	.00008
%RSD	4.5171	1.1747	5.1066	.98065	8.6699	.22458	.05695
#1	.12031	.11877	.10463	.10892	.00462	11.173	.14366
#2	.11286	.11681	.09733	.11044	.00409	11.208	.14377
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	.09739	302.29	.10967	.10235	.11074	.10958	19.930
SDev	.00009	.42	.00000	.00052	.00053	.00034	.031
%RSD	.09188	.13757	.00255	.50546	.47746	.30881	.15580
#1	.09745	302.59	.10967	.10199	.11111	.10934	19.952
#2	.09733	302.00	.10967	.10272	.11036	.10982	19.908
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	2.2176	9.5854	.69228	13.635	.09791	.00394	.14180
SDev	.0042	.0016	.00046	.051	.00047	.00304	.00036
%RSD	.18950	.01705	.06592	.37732	.47676	77.130	.25470
#1	2.2206	9.5865	.69260	13.598	.09758	.00179	.14154
#2	2.2146	9.5842	.69196	13.671	.09824	.00609	.14205
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.12420	.11118	.11739	.10678	-.00575
SDev	.00164	.00043	.00268	.00100	.00080
%RSD	1.3214	.39014	2.2801	.93629	13.938
#1	.12536	.11149	.11928	.10749	-.00519
#2	.12304	.11087	.11550	.10607	-.00632
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-5 2X Operator: SW
Run Time: 07/12/04 17:09:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07238	.08255	-.00589	.01147	.00007	43.467	.31052
SDev	.00157	.00115	.00180	.00779	.00027	.176	.00032
%RSD	2.1723	1.3938	30.526	67.878	396.65	.40393	.10186
#1	.07127	.08174	-.00461	.00596	.00026	43.343	.31030
#2	.07349	.08336	-.00716	.01698	-.00012	43.591	.31074
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	.00472	6.8438	.00021	.02950	.17486	.05674	98.764
SDev	.00004	.0085	.00001	.00069	.00073	.00038	.078
%RSD	.75614	.12363	3.3585	2.3384	.41803	.67593	.07905
#1	.00469	6.8497	.00021	.02901	.17538	.05647	98.708
#2	.00474	6.8378	.00020	.02999	.17434	.05702	98.819
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	5.8124	27.699	3.4508	11.647	.09055	-.00015	.17857
SDev	.0254	.026	.0011	.078	.00002	.00481	.00000
%RSD	.43694	.09284	.03317	.66707	.02079	3250.2	.00000
#1	5.7944	27.681	3.4500	11.592	.09054	.00325	.17857
#2	5.8303	27.718	3.4516	11.701	.09056	-.00355	.17857
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.54556	.02184	.07916	.00569	-.00186
SDev	.00201	.00523	.00129	.00460	.00115
%RSD	.36853	23.951	1.6308	80.742	61.904
#1	.54698	.02554	.07825	.00244	-.00105
#2	.54413	.01814	.08008	.00894	-.00268
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-6 2X Operator: SW
Run Time: 07/12/04 17:11:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00052	.01146	-.00715	.01312	-.00014	68.591	.14825
SDev	.00032	.00029	.00156	.00144	.00027	.279	.00046
%RSD	61.131	2.5149	21.767	10.987	196.31	.40700	.30766
#1	.00030	.01126	-.00605	.01414	.00005	68.394	.14793
#2	.00075	.01167	-.00826	.01210	-.00033	68.788	.14857
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	.00140	37.060	-.00112	.04898	.22269	.07948	171.42
SDev	.00000	.156	.00009	.00039	.00143	.00054	.58
%RSD	.06174	.42032	8.4038	.79241	.64258	.68127	.33981
#1	.00140	36.950	-.00119	.04871	.22168	.07909	171.01
#2	.00139	37.171	-.00105	.04925	.22370	.07986	171.83
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	11.027	56.963	2.7573	4.4755	.30928	.00016	.21215
SDev	.028	.245	.0092	.0175	.00113	.00027	.00162
%RSD	.25205	.43029	.33512	.39160	.36519	165.77	.76609
#1	11.008	56.790	2.7508	4.4631	.31007	-.00003	.21101
#2	11.047	57.136	2.7638	4.4879	.30848	.00036	.21330
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.22841	.00757	.00782	.00637	-.00107
SDev	.00310	.00064	.00030	.00148	.00572
%RSD	1.3580	8.4820	3.8243	23.243	532.88
#1	.22622	.00802	.00761	.00741	.00297
#2	.23061	.00711	.00803	.00532	-.00512
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-7 2X Operator: SW
Run Time: 07/12/04 17:14:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07414	.08223	-.06929	.00598	-.00020	32.597	.13168
SDev	.00272	.00152	.00855	.00142	.00015	.030	.00027
%RSD	3.6681	1.8501	12.343	23.718	74.070	.09338	.20424
#1	.07606	.08116	-.07533	.00498	-.00009	32.618	.13187
#2	.07221	.08331	-.06324	.00699	-.00030	32.575	.13149
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	.00188	315.70	.00103	.02108	.10481	.04917	86.519
SDev	.00000	.34	.00009	.00017	.00026	.00014	.004
%RSD	.00508	.10860	8.2527	.81822	.25223	.27534	.00507
#1	.00188	315.46	.00097	.02121	.10462	.04926	86.522
#2	.00188	315.94	.00109	.02096	.10500	.04907	86.516
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	12.894	38.537	1.3896	69.385	.03597	.00200	.14805
SDev	.024	.054	.0002	.011	.00011	.00477	.00018
%RSD	.18801	.13989	.01286	.01553	.29963	238.86	.12197
#1	12.911	38.499	1.3897	69.377	.03605	-.00138	.14818
#2	12.877	38.576	1.3895	69.392	.03589	.00537	.14793
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.19603	.03201	.07954	L-.01908	-.00289
SDev	.00073	.00276	.00011	.00379	.00118
%RSD	.37224	8.6103	.13733	19.883	40.898
#1	.19552	.03006	.07946	L-.02177	-.00372
#2	.19655	.03396	.07961	L-.01640	-.00205
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-8 5X Operator: SW
Run Time: 07/12/04 17:16:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02161	.02401	-.03923	.00087	-.00055	12.030	.04992
SDev	.00179	.00198	.00205	.00320	.00019	.138	.00042
%RSD	8.3009	8.2307	5.2218	370.09	34.063	1.1470	.84261
#1	.02034	.02541	-.03778	-.00140	-.00042	12.127	.05021
#2	.02288	.02262	-.04067	.00313	-.00069	11.932	.04962
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	.00065	219.06	-.00002	.00731	.04905	.01571	22.863
SDev	.00000	.77	.00004	.00030	.00044	.00034	.119
%RSD	.02926	.35294	182.62	4.1301	.88756	2.1543	.51931
#1	.00065	219.61	.00001	.00752	.04936	.01595	22.947
#2	.00065	218.51	-.00005	.00710	.04875	.01547	22.779
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	3.4344	13.514	.64120	19.000	.01693	-.00073	.04118
SDev	.0488	.089	.00334	.361	.00091	.00022	.00036
%RSD	1.4210	.66114	.52167	1.8983	5.3982	29.673	.87685
#1	3.4689	13.577	.64357	19.255	.01628	-.00058	.04144
#2	3.3999	13.451	.63883	18.745	.01757	-.00088	.04093
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.07198	.00839	.02321	L-.01248	-.00087
SDev	.00073	.00150	.00072	.00146	.00113
%RSD	1.0131	17.887	3.1062	11.661	130.83
#1	.07250	.00945	.02372	L-.01351	-.00167
#2	.07147	.00732	.02270	L-.01146	-.00006
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-10 2X Operator: SW
Run Time: 07/12/04 17:19:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04145	.03892	-.02320	.00289	-.00002	29.552	.16452
SDev	.00022	.00011	.00196	.01009	.00019	.065	.00046
%RSD	.53952	.27499	8.4549	349.27	932.48	.21899	.27728
#1	.04129	.03885	-.02458	-.00425	-.00015	29.507	.16420
#2	.04161	.03900	-.02181	.01003	.00011	29.598	.16485
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	.00107	281.19	.00002	.02036	.09508	.05762	56.081
SDev	.00000	.52	.00004	.00017	.00040	.00005	.146
%RSD	.01782	.18568	185.66	.84591	.42523	.07831	.26112
#1	.00107	280.82	.00005	.02049	.09479	.05765	55.977
#2	.00107	281.56	-.00001	.02024	.09537	.05759	56.184
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	11.797	26.527	1.1155	25.677	.03558	.00258	.10324
SDev	.030	.052	.0027	.034	.00052	.00458	.00036
%RSD	.25608	.19703	.23844	.13426	1.4606	178.04	.34982
#1	11.776	26.490	1.1136	25.653	.03521	-.00067	.10298
#2	11.819	26.564	1.1174	25.701	.03594	.00582	.10349
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.14728	.00475	.03976	-.00580	-.00434
SDev	.00109	.00384	.00015	.00739	.00322
%RSD	.74299	80.753	.36681	127.40	74.068
#1	.14805	.00746	.03966	L-.01102	-.00661
#2	.14651	.00204	.03987	-.00057	-.00207
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-13 2X Operator: SW
Run Time: 07/12/04 17:21:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01986	.02776	-.01161	.00977	.00011	47.230	.17038
SDev	.00352	.00179	.01050	.00674	.00088	.097	.00013
%RSD	17.707	6.4485	90.448	69.018	777.91	.20521	.07553
#1	.01737	.02903	-.01903	.01454	-.00051	47.162	.17029
#2	.02234	.02650	-.00418	.00500	.00074	47.299	.17047
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	.00474	4.8497	.00009	.04103	.16330	.03463	114.26
SDev	.00000	.0176	.00002	.00000	.00106	.00016	.43
%RSD	.00403	.36228	18.055	.00011	.64760	.45605	.37448
#1	.00474	4.8373	.00010	.04103	.16255	.03452	113.96
#2	.00474	4.8622	.00007	.04103	.16405	.03474	114.57
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	5.7685	34.913	5.4954	1.9067	.03952	.00133	.17857
SDev	.0104	.113	.0187	.0010	.00018	.00102	.00036
%RSD	.18022	.32293	.34038	.05246	.45358	77.025	.20225
#1	5.7612	34.834	5.4822	1.9074	.03939	.00060	.17832
#2	5.7759	34.993	5.5086	1.9060	.03965	.00205	.17883
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.31346	.00872	.02513	.00265	-.00205
SDev	.00000	.00092	.00002	.00100	.00061
%RSD	.00000	10.581	.09243	37.772	29.556
#1	.31346	.00807	.02515	.00336	-.00162
#2	.31346	.00938	.02511	.00194	-.00248
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 17:24:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49562	.49745	.49278	.50179	.50256	50.060	.47166
SDev	.00198	.00360	.00299	.00194	.00156	.029	.00124
%RSD	.40045	.72416	.60740	.38695	.31005	.05695	.26372
#1	.49421	.49490	.49489	.50316	.50366	50.081	.47254
#2	.49702	.49999	.49066	.50042	.50146	50.040	.47078
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	.50733	51.048	.48244	.48462	.49095	.50161	20.736
SDev	.00018	.035	.00102	.00091	.00050	.00180	.015
%RSD	.03538	.06945	.21210	.18700	.10142	.35952	.07287
#1	.50745	51.023	.48317	.48526	.49060	.50289	20.725
#2	.50720	51.073	.48172	.48398	.49130	.50034	20.746
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	20.261	50.788	.48870	20.508	.47230	.47600	.50205
SDev	.006	.029	.00013	.010	.00072	.00312	.00054
%RSD	.02787	.05768	.02589	.04936	.15170	.65605	.10792
#1	20.257	50.809	.48879	20.515	.47179	.47379	.50244
#2	20.265	50.768	.48861	20.501	.47280	.47820	.50167
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49761	.49842	.49684	.49879	.50495
SDev	.00073	.00033	.00306	.00229	.00392
%RSD	.14688	.06623	.61663	.45947	.77695
#1	.49813	.49819	.49467	.50041	.50772
#2	.49710	.49866	.49900	.49717	.50217
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 17:26:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00069	.00229	.00178	-.00092	-.00021	.00121	-.00032
SDev	.00315	.00028	.00214	.00237	.00130	.00340	.00011
%RSD	458.22	12.177	120.30	258.77	610.42	282.23	32.390
#1	.00292	.00248	.00330	.00076	.00071	.00361	-.00025
#2	-.00154	.00209	.00027	-.00260	-.00113	-.00120	-.00040
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	.04606	-.00015	-.00024	.00042	.00052	.04187
SDev	.00002	.00310	.00021	.00043	.00057	.00034	.00324
%RSD	16.307	6.7203	137.09	182.05	135.49	64.966	7.7331
#1	.00012	.04825	-.00000	.00007	.00083	.00076	.04416
#2	.00010	.04387	-.00030	-.00054	.00002	.00028	.03958
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	.29590	.00161	.00078	.06256	.00071	-.00237	.00007
SDev	.04609	.00349	.00015	.00110	.00032	.00153	.00036
%RSD	15.575	217.25	19.429	1.7619	45.729	64.708	495.36
#1	.32849	.00407	.00088	.06333	.00094	-.00129	.00033
#2	.26331	-.00086	.00067	.06178	.00048	-.00346	-.00018
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00097	.00127	.00175	-.00002	-.00254
SDev	.00018	.00185	.00124	.00230	.00118
%RSD	18.846	144.75	70.418	12432.	46.590
#1	.00110	.00258	.00263	.00161	-.00337
#2	.00084	-.00003	.00088	-.00164	-.00170
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405096-17 2X Operator: SW
Run Time: 07/12/04 17:29:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04474	.05369	-.00606	.00540	.00014	42.792	.21596
SDev	.00218	.00053	.00471	.00429	.00076	.305	.00119
%RSD	4.8642	.99630	77.631	79.591	528.38	.71295	.55276
#1	.04320	.05407	-.00273	.00236	-.00039	43.008	.21680
#2	.04628	.05331	-.00939	.00843	.00068	42.576	.21512
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	.00423	4.0041	.00048	.02971	.16040	.05389	100.23
SDev	.00002	.0070	.00028	.00034	.00009	.00018	.09
%RSD	.41670	.17604	58.584	1.1593	.05818	.33494	.09365
#1	.00422	3.9992	.00067	.02947	.16046	.05376	100.17
#2	.00425	4.0091	.00028	.02995	.16033	.05402	100.30
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	5.6224	26.620	3.5022	1.4686	.12857	.00442	.16248
SDev	.0405	.041	.0007	.0147	.00054	.00772	.00036
%RSD	.72067	.15405	.01933	1.0020	.41870	174.76	.22228
#1	5.6511	26.591	3.5017	1.4790	.12819	-.00104	.16223
#2	5.5938	26.649	3.5027	1.4582	.12895	.00987	.16274
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.61678	.01431	.05071	.00158	-.00376
SDev	.00512	.00169	.00037	.00130	.00477
%RSD	.83006	11.840	.72537	82.093	127.03
#1	.61316	.01550	.05045	.00066	-.00713
#2	.62040	.01311	.05097	.00250	-.00038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-18 2X Operator: SW
Run Time: 07/12/04 17:32:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.21270	.23061	-.06020	.00831	-.00107	24.610	.28265
SDev	.00303	.00002	.01095	.00150	.00017	.072	.00040
%RSD	1.4260	.00777	18.185	18.034	15.634	.29370	.14088
#1	.21055	.23063	-.05246	.00937	-.00119	24.661	.28293
#2	.21484	.23060	-.06794	.00725	-.00095	24.559	.28237
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	.00562	1.7064	.00016	.02690	.13001	.02433	81.527
SDev	.00000	.0003	.00003	.00039	.00014	.00011	.059
%RSD	.00170	.01502	20.496	1.4428	.10765	.46377	.07255
#1	.00562	1.7062	.00014	.02717	.12991	.02441	81.485
#2	.00562	1.7066	.00019	.02662	.13011	.02425	81.569
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	5.1211	10.203	6.8358	1.2101	.02403	-.00445	.05204
SDev	.0035	.002	.0044	.0077	.00005	.00212	.00018
%RSD	.06838	.01600	.06390	.63645	.22173	47.709	.34699
#1	5.1236	10.202	6.8327	1.2155	.02399	-.00595	.05191
#2	5.1186	10.204	6.8389	1.2047	.02406	-.00295	.05216
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.76902	.02755	.22465	L-.01450	.00065
SDev	.00311	.00316	.00100	.00465	.00229
%RSD	.40453	11.485	.44427	32.036	352.85
#1	.76682	.02531	.22394	L-.01122	.00227
#2	.77122	.02978	.22535	L-.01779	-.00097
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0406187-7A Operator: SW
Run Time: 07/12/04 17:34:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00091	-.00239	.01032	-.00875	1.0227	1.0882	.86606
SDev	.00167	.00125	.00175	.00058	.0040	.0093	.00199
%RSD	182.82	52.396	16.956	6.6527	.39357	.85790	.22992
#1	-.00209	-.00328	.00909	-.00916	1.0199	1.0816	.86466
#2	.00027	-.00150	.01156	-.00834	1.0256	1.0949	.86747
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	.00010	34.763	-.00052	.00089	-.00026	.00030	.16939
SDev	.00000	.073	.00012	.00004	.00033	.00002	.00597
%RSD	.00000	.20900	23.735	4.7682	127.02	7.5818	3.5238
#1	.00010	34.712	-.00043	.00092	-.00049	.00031	.17361
#2	.00010	34.814	-.00060	.00086	-.00003	.00028	.16517
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	39.212	19.889	.08328	C.00000	.00034	.00022	-.00018
SDev	.359	.037	.00025	.00000	.00002	.00051	.00000
%RSD	.91483	.18538	.30271	.00000	5.2453	225.62	.00000
#1	38.958	19.863	.08310	C.00000	.00033	-.00013	-.00018
#2	39.466	19.915	.08346	C.00000	.00035	.00058	-.00018
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00277	.00194	-.00190	-.00240	.00132
SDev	.00055	.00069	.00139	.00097	.00414
%RSD	19.730	35.549	73.271	40.473	313.28
#1	.00316	.00243	-.00288	-.00309	.00425
#2	.00238	.00145	-.00091	-.00171	-.00161
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IDL-1 Operator: SW
Run Time: 07/12/04 17:43:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00752	.00559	.01407	.00908	.00173	.02482	.00044
SDev	.00040	.00012	.00099	.00138	.00005	.00095	.00001
%RSD	5.3337	2.2048	7.0196	15.210	2.8293	3.8102	1.7555
#1	.00780	.00568	.01337	.01006	.00169	.02415	.00044
#2	.00724	.00550	.01477	.00810	.00176	.02549	.00045
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	.00043	.01240	.00020	.00077	.00214	.00267	.02742
SDev	.00000	.00008	.00007	.00010	.00003	.00011	.00243
%RSD	.00739	.62347	35.708	13.074	1.4558	3.9365	8.8596
#1	.00043	.01246	.00015	.00070	.00211	.00260	.02913
#2	.00043	.01235	.00024	.00084	.00216	.00275	.02570
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	.25893	.00234	.00037	.22521	.00190	.01195	.00080
SDev	.00415	.00075	.00002	.00849	.00007	.00149	.00006
%RSD	1.6031	31.935	4.5605	3.7695	3.4455	12.466	7.5574
#1	.25599	.00182	.00038	.23121	.00195	.01089	.00084
#2	.26186	.00287	.00036	.21920	.00186	.01300	.00075
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00578	.01040	.00623	.01074	.01184
SDev	.00006	.00028	.00022	.00059	.00045
%RSD	1.0514	2.7206	3.4623	5.5154	3.8372
#1	.00573	.01060	.00638	.01116	.01216
#2	.00582	.01020	.00608	.01032	.01152
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IDL-2 Operator: SW
Run Time: 07/12/04 17:46:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00624	.00617	.01228	.01053	.00116	.02780	.00039
SDev	.00066	.00076	.00096	.00033	.00033	.00137	.00005
%RSD	10.621	12.264	7.8023	3.1748	28.417	4.9185	11.858
#1	.00577	.00670	.01295	.01029	.00139	.02876	.00043
#2	.00671	.00563	.01160	.01077	.00092	.02683	.00036
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	.00042	.01158	.00008	.00067	.00180	.00242	.02194
SDev	.00000	.00015	.00009	.00010	.00015	.00031	.00642
%RSD	.03772	1.3334	107.24	15.061	8.3382	12.717	29.264
#1	.00042	.01169	.00014	.00060	.00191	.00264	.02648
#2	.00042	.01147	.00002	.00074	.00170	.00221	.01740
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	.22468	.00001	.00030	.19957	.00138	.00976	.00046
SDev	.01333	.00298	.00002	.00417	.00007	.00286	.00030
%RSD	5.9334	20902.	6.9983	2.0916	5.2031	29.330	66.005
#1	.23410	.00212	.00031	.20252	.00143	.01178	.00067
#2	.21525	-.00209	.00029	.19662	.00132	.00774	.00024
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00526	.01003	.00619	.01111	.01184
SDev	.00030	.00060	.00028	.00010	.00045
%RSD	5.7718	5.9910	4.5826	.86364	3.8010
#1	.00505	.01046	.00639	.01118	.01152
#2	.00548	.00961	.00599	.01104	.01215
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IDL-3 Operator: SW
Run Time: 07/12/04 17:51:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00882	.00528	.01380	.01132	.00153	.02851	.00041
SDev	.00117	.00093	.00216	.00111	.00002	.00109	.00002
%RSD	13.213	17.530	15.653	9.8031	1.3690	3.8052	5.6903
#1	.00800	.00594	.01533	.01053	.00152	.02927	.00039
#2	.00965	.00463	.01228	.01210	.00155	.02774	.00043
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	.00043	.01164	.00020	.00069	.00205	.00246	.02419
SDev	.00000	.00008	.00001	.00004	.00002	.00002	.00215
%RSD	.00000	.66362	6.6809	6.2639	1.0122	.91840	8.8818
#1	.00043	.01158	.00020	.00072	.00203	.00247	.02267
#2	.00043	.01169	.00019	.00066	.00206	.00244	.02571
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	.25538	.00823	.00028	.18241	.00176	.01005	.00075
SDev	.00017	.00146	.00001	.00020	.00008	.00014	.00000
%RSD	.06781	17.744	4.5600	.11196	4.7675	1.3996	.00000
#1	.25550	.00720	.00027	.18256	.00181	.00995	.00075
#2	.25526	.00926	.00029	.18227	.00170	.01015	.00075
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00535	.01169	.00646	.01214	.00904
SDev	.00006	.00050	.00023	.00002	.00260
%RSD	1.1358	4.2583	3.5515	.16783	28.724
#1	.00531	.01134	.00662	.01213	.00720
#2	.00539	.01204	.00630	.01216	.01087
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IDL-4 Operator: SW
Run Time: 07/12/04 17:53:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00641	.00596	.00883	.00998	.00123	.02697	.00041
SDev	.00181	.00117	.00159	.00528	.00047	.00037	.00000
%RSD	28.184	19.681	17.972	52.946	37.916	1.3628	.00000
#1	.00769	.00679	.00770	.00624	.00157	.02723	.00041
#2	.00513	.00513	.00995	.01371	.00090	.02671	.00041
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	.00042	.01136	.00010	.00066	.00206	.00242	.02628
SDev	.00000	.00031	.00001	.00000	.00004	.00014	.00242
%RSD	.03015	2.7169	12.126	.00000	2.0172	5.8931	9.1953
#1	.00042	.01158	.00010	.00066	.00208	.00253	.02457
#2	.00042	.01114	.00011	.00066	.00203	.00232	.02799
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	.25084	.00830	.00023	.17749	.00173	.01096	.00084
SDev	.00486	.00052	.00000	.00019	.00001	.00150	.00024
%RSD	1.9364	6.2785	1.7892	.10843	.69060	13.708	28.696
#1	.25428	.00867	.00024	.17763	.00172	.00990	.00067
#2	.24741	.00794	.00023	.17736	.00174	.01203	.00101
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00556	.01288	.00611	.00959	.01333
SDev	.00012	.00012	.00138	.00405	.00196
%RSD	2.1840	.96374	22.651	42.233	14.670
#1	.00548	.01279	.00709	.00673	.01194
#2	.00565	.01297	.00513	.01246	.01471
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Analysis Report 07/12/04 06:00:43 PM

Method: TRACE Sample Name: IDL-5 Operator: SW
Run Time: 07/12/04 17:58:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00685	.00629	.01243	.01103	.00155	.02881	.00044
SDev	.00052	.00062	.00325	.00097	.00022	.00064	.00002
%RSD	7.6624	9.8154	26.122	8.8320	13.967	2.2291	3.5110
#1	.00648	.00585	.01473	.01034	.00170	.02927	.00045
#2	.00722	.00672	.01013	.01172	.00140	.02836	.00043
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	.00043	.01147	.00020	.00119	.00232	.00246	.02738
SDev	.00000	.00031	.00007	.00026	.00016	.00014	.00078
%RSD	.05174	2.6916	35.630	21.810	6.9384	5.8165	2.8647
#1	.00043	.01169	.00015	.00137	.00243	.00256	.02794
#2	.00043	.01125	.00024	.00100	.00220	.00236	.02683
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	.26819	.00896	.00027	.17180	.00192	.01384	.00088
SDev	.01137	.00271	.00001	.00028	.00011	.00174	.00042
%RSD	4.2411	30.206	4.6602	.16131	5.8916	12.597	47.794
#1	.27624	.01088	.00028	.17160	.00184	.01261	.00118
#2	.26015	.00705	.00026	.17199	.00200	.01507	.00058
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00565	.01002	.00647	.01150	.00926
SDev	.00024	.00003	.00059	.00043	.00107
%RSD	4.3015	.34568	9.0572	3.7528	11.524
#1	.00582	.01004	.00606	.01180	.00851
#2	.00548	.00999	.00689	.01119	.01002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IDL-6 Operator: SW
Run Time: 07/12/04 18:00:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00586	.00651	.01316	.01015	.00137	.02739	.00041
SDev	.00056	.00102	.00056	.00074	.00025	.00050	.00002
%RSD	9.6279	15.654	4.2531	7.2988	18.386	1.8367	4.7739
#1	.00546	.00579	.01356	.00963	.00155	.02774	.00042
#2	.00626	.00723	.01277	.01068	.00119	.02703	.00039
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	.00043	.01114	.00016	.00083	.00200	.00243	.02437
SDev	.00001	.00031	.00006	.00001	.00028	.00011	.00349
%RSD	1.4134	2.7691	38.189	1.7314	14.249	4.3328	14.322
#1	.00042	.01136	.00012	.00084	.00220	.00250	.02191
#2	.00043	.01093	.00020	.00082	.00180	.00236	.02684
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	.25391	.01022	.00021	.17041	.00166	.01015	.00063
SDev	.00468	.00218	.00001	.00051	.00026	.00050	.00018
%RSD	1.8426	21.350	3.9262	.29709	15.810	4.8908	28.836
#1	.25060	.01176	.00022	.17077	.00185	.00980	.00075
#2	.25721	.00867	.00021	.17005	.00148	.01050	.00050
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00543	.01248	.00629	.01115	.01098
SDev	.00018	.00160	.00087	.00031	.00197
%RSD	3.3536	12.780	13.784	2.7595	17.922
#1	.00556	.01361	.00568	.01094	.01237
#2	.00531	.01135	.00690	.01137	.00959
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: IDL-7 Operator: SW
Run Time: 07/12/04 18:03:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00659	.00542	.01017	.01017	.00134	.02442	.00037
SDev	.00008	.00073	.00117	.00259	.00011	.00268	.00001
%RSD	1.2469	13.382	11.468	25.456	7.8019	10.987	3.1169
#1	.00665	.00594	.00935	.00834	.00142	.02631	.00038
#2	.00654	.00491	.01100	.01200	.00127	.02252	.00037
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	.00043	.01125	.00027	.00084	.00196	.00230	.02059
SDev	.00000	.00000	.00014	.00032	.00018	.00001	.00078
%RSD	.03698	.00000	50.680	37.614	8.9899	.32741	3.7672
#1	.00043	.01125	.00037	.00106	.00208	.00230	.02114
#2	.00043	.01125	.00018	.00062	.00184	.00229	.02004
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	.24913	.00481	.00022	.16813	.00145	.01064	.00037
SDev	.00243	.00274	.00000	.00076	.00007	.00189	.00030
%RSD	.97559	56.972	1.8846	.45197	4.9671	17.765	81.156
#1	.25084	.00675	.00023	.16867	.00150	.01198	.00058
#2	.24741	.00287	.00022	.16759	.00140	.00930	.00016
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00565	.01099	.00581	.01017	.01258
SDev	.00024	.00085	.00051	.00212	.00211
%RSD	4.3015	7.7153	8.7987	20.798	16.768
#1	.00548	.01039	.00618	.00868	.01109
#2	.00582	.01159	.00545	.01167	.01407
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 18:06:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49307	.50258	.48975	.49848	.50497	50.335	.47516
SDev	.00406	.00133	.00026	.00087	.00058	.052	.00016
%RSD	.82370	.26462	.05238	.17533	.11414	.10277	.03458
#1	.49020	.50164	.48993	.49787	.50457	50.372	.47527
#2	.49595	.50352	.48957	.49910	.50538	50.298	.47504
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	.50929	51.524	.48736	.48972	.49515	.50353	20.978
SDev	.00052	.020	.00042	.00060	.00087	.00009	.006
%RSD	.10232	.03801	.08726	.12332	.17599	.01790	.02847
#1	.50893	51.510	.48766	.49014	.49453	.50359	20.982
#2	.50966	51.538	.48706	.48929	.49577	.50346	20.974
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	20.496	51.271	.49235	20.873	.47782	.48690	.50589
SDev	.030	.010	.00015	.060	.00110	.00531	.00054
%RSD	.14630	.01974	.03084	.28884	.22923	1.0902	.10712
#1	20.517	51.278	.49224	20.916	.47860	.48315	.50550
#2	20.475	51.264	.49245	20.831	.47705	.49066	.50627
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50175	.50552	.49941	.49558	.51421
SDev	.00036	.00108	.00224	.00050	.00746
%RSD	.07284	.21356	.44843	.10039	1.4511
#1	.50149	.50628	.49783	.49522	.50893
#2	.50201	.50475	.50100	.49593	.51948
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 18:08:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00222	.00007	.00573	-.00171	.00032	.03748	.00001
SDev	.00057	.00056	.00063	.00068	.00122	.00193	.00014
%RSD	25.550	795.82	10.978	39.738	379.11	5.1361	1632.3
#1	.00182	.00046	.00618	-.00123	-.00054	.03612	-.00009
#2	.00262	-.00032	.00529	-.00219	.00118	.03884	.00011
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	.00012	.02813	-.00012	-.00030	.00034	.00025	.02129
SDev	.00000	.00094	.00013	.00078	.00030	.00068	.01115
%RSD	.31624	3.3530	109.41	260.70	87.755	271.05	52.389
#1	.00012	.02746	-.00003	-.00085	.00013	-.00023	.01340
#2	.00012	.02879	-.00021	.00025	.00055	.00073	.02917
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	.14668	.01363	.00037	.07867	-.00061	-.00196	-.00044
SDev	.05331	.00868	.00008	.00068	.00050	.00008	.00072
%RSD	36.345	63.678	20.522	.85978	82.245	3.8823	164.97
#1	.10898	.00749	.00031	.07819	-.00097	-.00190	-.00095
#2	.18438	.01977	.00042	.07914	-.00026	-.00201	.00007
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00135	.00299	.00078	.00077	-.00282
SDev	.00000	.00203	.00018	.00066	.00079
%RSD	.00000	68.000	23.151	85.848	27.796
#1	.00135	.00155	.00091	.00124	-.00227
#2	.00135	.00442	.00066	.00030	-.00338
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: CRI Operator: SW
Run Time: 07/12/04 18:11:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00899	.00555	.01252	.01293	.02092	.45596	.38583
SDev	.00200	.00051	.00391	.00010	.00002	.00379	.00136
%RSD	22.259	9.1861	31.245	.78041	.10029	.83059	.35248
#1	.00757	.00591	.00976	.01286	.02090	.45864	.38679
#2	.01040	.00519	.01529	.01300	.02093	.45328	.38487
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	.01043	9.7797	.01005	.10152	.02005	.05114	.18491
SDev	.00000	.0192	.00020	.00026	.00047	.00023	.00088
%RSD	.00184	.19646	1.9969	.25525	2.3265	.44113	.47541
#1	.01043	9.7933	.01019	.10171	.02038	.05130	.18429
#2	.01043	9.7661	.00991	.10134	.01972	.05098	.18553
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	8.9391	10.022	.03043	9.0832	.08028	.12772	.10324
SDev	.0457	.036	.00014	.0606	.00066	.00283	.00036
%RSD	.51111	.35842	.45542	.66750	.82671	2.2190	.34982
#1	8.9714	10.048	.03053	9.1261	.08074	.12972	.10349
#2	8.9068	9.9968	.03033	9.0403	.07981	.12571	.10298
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.04466	.00870	.00670	.01279	.02044
SDev	.00036	.00041	.00033	.00137	.00222
%RSD	.81637	4.6714	4.8682	10.710	10.842
#1	.04491	.00842	.00647	.01183	.02200
#2	.04440	.00899	.00693	.01376	.01887
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: ICSA Operator: SW
Run Time: 07/12/04 18:16:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.02559	.01123	-.00730	.00364	-.00006	484.34	.00082
SDev	.00051	.00107	.00017	.00260	.00013	2.05	.00000
%RSD	2.0048	9.5402	2.3985	71.266	194.40	.42259	.00000
#1	-.02523	.01199	-.00717	.00181	.00002	485.79	.00082
#2	-.02595	.01047	-.00742	.00548	-.00015	482.89	.00082
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	.00115	502.89	.00076	.00342	-.00037	-.00106	203.76
SDev	.00000	.34	.00009	.00026	.00005	.00009	.18
%RSD	.02492	.06765	12.235	7.5597	12.710	8.5262	.08663
#1	.00115	503.13	.00069	.00360	-.00033	-.00099	203.88
#2	.00115	502.65	.00083	.00324	-.00040	-.00112	203.63
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	.12565	507.79	.00744	.23145	.00283	-.00402	.00454
SDev	.00781	1.12	.00005	.00203	.00048	.00037	.00054
%RSD	6.2130	.21982	.67721	.87722	17.100	9.1190	11.927
#1	.12013	508.58	.00748	.23289	.00249	-.00428	.00416
#2	.13117	507.00	.00740	.23002	.00317	-.00376	.00492
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01592	-.00214	-.00103	.00000	-.00779
SDev	.00018	.00180	.00089	.00167	.00387
%RSD	1.1451	84.225	85.848	95427.	49.743
#1	.01579	-.00087	-.00041	-.00118	-.01053
#2	.01604	-.00342	-.00166	.00119	-.00505
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	.04000	.02000	.00600	.01000	.02000

Method: TRACE Sample Name: ICSAB Operator: SW
Run Time: 07/12/04 18:19:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01963	.06133	.03841	.05372	.20923	480.78	.45701
SDev	.00121	.00353	.00072	.00413	.00011	1.26	.00053
%RSD	6.1801	5.7622	1.8841	7.6778	.05047	.26240	.11552
#1	.01877	.05883	.03892	.05081	.20915	479.89	.45664
#2	.02048	.06383	.03789	.05664	.20930	481.67	.45739
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	.46695	499.54	.88101	.45393	.45314	.52173	202.76
SDev	.00014	.55	.00115	.00151	.00000	.00144	.16
%RSD	.03077	.11013	.13057	.33260	.00000	.27652	.07786
#1	.46705	499.92	.88183	.45287	.45314	.52071	202.87
#2	.46685	499.15	.88020	.45500	.45314	.52275	202.65
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	.02250	504.26	.46763	.16140	.86722	.57105	.48060
SDev	.00530	.22	.00004	.00054	.00025	.00110	.00018
%RSD	23.549	.04339	.00811	.33697	.02921	.19202	.03758
#1	.02625	504.42	.46760	.16102	.86704	.57028	.48072
#2	.01876	504.11	.46766	.16179	.86740	.57183	.48047
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.90676	.09927	.04744	.04862	.09641
SDev	.00275	.00017	.00276	.00251	.00049
%RSD	.30295	.16743	5.8197	5.1628	.50389
#1	.90870	.09939	.04549	.04685	.09675
#2	.90481	.09916	.04940	.05040	.09606
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000
Range	20.000	20.000	20.000	20.000	20.000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 18:21:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49124	.50183	.49405	.49429	.50325	49.759	.47281
SDev	.00079	.00027	.01180	.00067	.00006	.047	.00053
%RSD	.16072	.05304	2.3887	.13482	.01273	.09397	.11168
#1	.49068	.50202	.48570	.49382	.50321	49.726	.47318
#2	.49179	.50164	.50239	.49476	.50330	49.792	.47244
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	.50405	51.127	.48455	.48529	.48985	.50074	20.738
SDev	.00072	.033	.00132	.00203	.00025	.00061	.053
%RSD	.14261	.06491	.27221	.41778	.05083	.12155	.25519
#1	.50455	51.150	.48548	.48673	.48967	.50031	20.776
#2	.50354	51.103	.48361	.48386	.49002	.50117	20.701
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	20.454	50.749	.48853	20.892	.47378	.47849	.50231
SDev	.009	.025	.00027	.034	.00009	.00164	.00054
%RSD	.04312	.04933	.05439	.16340	.01950	.34364	.10789
#1	20.448	50.766	.48871	20.868	.47385	.47966	.50269
#2	20.461	50.731	.48834	20.916	.47372	.47733	.50193
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49761	.50438	.49830	.49421	.51801
SDev	.00036	.00279	.00009	.00437	.00037
%RSD	.07344	.55288	.01714	.88511	.07219
#1	.49736	.50635	.49824	.49112	.51774
#2	.49787	.50241	.49836	.49730	.51827
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 18:24:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00215	-.00021	-.00133	-.00067	.00069	.09494	.00012
SDev	.00250	.00070	.00485	.00098	.00061	.00983	.00003
%RSD	116.06	328.75	363.35	146.70	87.944	10.353	30.219
#1	.00392	.00028	.00209	.00002	.00112	.10189	.00014
#2	.00039	-.00070	-.00476	-.00136	.00026	.08799	.00009
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	.00012	.06533	-.00017	-.00021	.00070	.00014	.04593
SDev	.00000	.00695	.00004	.00004	.00040	.00025	.00738
%RSD	.07915	10.644	22.749	20.914	57.796	179.79	16.061
#1	.00012	.07025	-.00014	-.00018	.00099	.00031	.05115
#2	.00012	.06041	-.00019	-.00024	.00041	-.00004	.04071
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	.08879	.06626	.00044	.07001	.00021	.00097	-.00005
SDev	.00115	.00810	.00008	.00026	.00052	.00597	.00018
%RSD	1.3003	12.229	17.195	.37790	244.64	615.22	329.64
#1	.08797	.07199	.00049	.07019	.00058	.00519	.00007
#2	.08961	.06053	.00039	.06982	-.00016	-.00325	-.00018
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00161	.00101	.00058	-.00089	-.00337
SDev	.00036	.00284	.00130	.00227	.00158
%RSD	22.620	281.99	225.32	255.02	46.858
#1	.00135	.00302	.00149	.00071	-.00226
#2	.00187	-.00100	-.00034	-.00249	-.00449
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040709-3MB Operator: SW
Run Time: 07/12/04 18:28:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00397	.00014	.00155	.00402	.00065	.05486	-.00001
SDev	.00028	.00139	.00482	.00153	.00021	.00382	.00002
%RSD	7.1663	998.26	311.50	38.055	32.410	6.9690	294.52
#1	.00417	.00112	.00496	.00510	.00050	.05756	.00001
#2	.00377	-.00084	-.00186	.00294	.00080	.05216	-.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	.00005	.03749	-.00036	-.00002	.00049	-.00017	.03378
SDev	.00000	.00142	.00020	.00030	.00011	.00014	.00327
%RSD	.21164	3.7950	56.350	1293.4	22.187	82.005	9.6756
#1	.00005	.03850	-.00050	-.00024	.00041	-.00026	.03609
#2	.00005	.03648	-.00021	.00019	.00057	-.00007	.03147
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	.15527	.01278	-.00001	.07585	-.00051	-.00072	-.00005
SDev	.01419	.00310	.00001	.00023	.00082	.00211	.00018
%RSD	9.1427	24.275	85.535	.29779	161.69	291.78	329.64
#1	.14523	.01497	-.00002	.07569	.00007	-.00222	.00007
#2	.16530	.01058	-.00001	.07601	-.00109	.00077	-.00018
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00535	.00012	.00141	.00319	-.00126
SDev	.00018	.00133	.00102	.00263	.00378
%RSD	3.4075	1081.1	72.241	82.162	299.00
#1	.00548	-.00082	.00214	H.00505	-.00393
#2	.00522	.00106	.00069	.00134	.00141
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040709-3LCS Operator: SW
Run Time: 07/12/04 18:31:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.60294	.61366	.52662	.53453	.02016	5.2663	.47528
SDev	.00002	.00366	.00796	.00612	.00025	.0375	.00283
%RSD	.00283	.59690	1.5112	1.1449	1.2486	.71218	.59503
#1	.60295	.61107	.52099	.53885	.01998	5.2397	.47328
#2	.60293	.61625	.53225	.53020	.02034	5.2928	.47728
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	.51247	.03598	.60634	.49856	.50074	.50612	4.9090
SDev	.00128	.00119	.00145	.00078	.00121	.00381	.0255
%RSD	.24891	3.2924	.23987	.15593	.24239	.75272	.51923
#1	.51157	.03682	.60531	.49801	.49988	.50343	4.8910
#2	.51338	.03514	.60737	.49911	.50160	.50882	4.9271
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	.10728	-.00325	.50201	.09416	.50140	.01875	.50129
SDev	.02153	.00203	.00175	.00067	.00147	.00187	.00199
%RSD	20.072	62.414	.34785	.71187	.29366	9.9995	.39637
#1	.12250	-.00182	.50078	.09464	.50035	.01742	.49988
#2	.09205	-.00469	.50324	.09369	.50244	.02008	.50269
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.51545	.53556	.61009	.53189	-.00372
SDev	.00146	.00640	.00244	.00143	.00198
%RSD	.28363	1.1954	.39953	.26918	53.341
#1	.51648	.53103	.60837	.53290	-.00512
#2	.51441	.54009	.61181	.53088	-.00231
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21 Operator: SW
Run Time: 07/12/04 18:33:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.32546	.36151	-.08578	.03808	-.00088	80.840	.24911
SDev	.00073	.00037	.00015	.00264	.00010	.368	.00040
%RSD	.22293	.10160	.18047	6.9342	11.911	.45481	.15978
#1	.32495	.36177	-.08589	.03621	-.00081	80.580	.24883
#2	.32598	.36125	-.08567	.03995	-.00095	81.100	.24939
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	.00490	8.8206	-.00416	.04892	.55294	.29992	H400.19
SDev	.00011	.0623	.00007	.00026	.00408	.00007	2.96
%RSD	2.1425	.70599	1.5740	.52838	.73738	.02256	.73919
#1	.00482	8.7766	-.00421	.04911	.55006	.29996	H398.10
#2	.00497	8.8646	-.00411	.04874	.55582	.29987	H402.28
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	15.821	62.131	3.6444	2.5573	.09274	.00588	.36450
SDev	.054	.327	.0211	.0023	.00014	.00420	.00397
%RSD	.34327	.52710	.57897	.08850	.15428	71.374	1.0901
#1	15.783	61.899	3.6294	2.5557	.09264	.00291	.36169
#2	15.860	62.362	3.6593	2.5589	.09285	.00885	.36731
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.71882	.03011	.34951	-.00317	.01890
SDev	.00860	.00032	.00000	.00181	.00891
%RSD	1.1962	1.0588	.00097	57.262	47.151
#1	.71274	.02988	.34951	-.00445	.01260
#2	.72490	.03033	.34950	-.00188	.02520
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21D Operator: SW
Run Time: 07/12/04 18:36:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.26042	.29529	-.06720	.03149	-.00023	97.060	.28101
SDev	.00193	.00338	.00132	.00029	.00015	.049	.00041
%RSD	.74218	1.1461	1.9626	.92345	64.429	.05009	.14587
#1	.26178	.29768	-.06813	.03169	-.00012	97.025	.28072
#2	.25905	.29289	-.06626	.03128	-.00033	97.094	.28130
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	.00468	11.051	-.00356	.05674	.58682	.27451	H381.32
SDev	.00002	.034	.00018	.00009	.00101	.00023	1.42
%RSD	.38077	.30767	5.1017	.15170	.17239	.08216	.37239
#1	.00467	11.027	-.00343	.05680	.58611	.27467	H380.32
#2	.00470	11.075	-.00369	.05668	.58754	.27435	H382.32
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	28.165	77.730	3.4456	2.3172	.12365	.00994	.40818
SDev	.020	.206	.0085	.0029	.00048	.00298	.00000
%RSD	.06949	.26553	.24804	.12429	.39140	29.978	.00000
#1	28.179	77.585	3.4395	2.3193	.12331	.01204	.40818
#2	28.151	77.876	3.4516	2.3152	.12399	.00783	.40818
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.65363	.03248	.28368	-.00137	.02222
SDev	.00018	.00124	.00290	.00025	.00550
%RSD	.02798	3.8154	1.0227	17.842	24.761
#1	.65376	.03335	.28573	-.00155	.01833
#2	.65350	.03160	.28162	-.00120	.02611
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21L 5X Operator: SW
Run Time: 07/12/04 18:38:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.06747	.07709	-.01872	.00457	-.00001	16.338	.05114
SDev	.00179	.00052	.00052	.00135	.00013	.059	.00034
%RSD	2.6488	.67670	2.7546	29.507	2325.0	.36344	.66251
#1	.06621	.07673	-.01836	.00362	.00008	16.296	.05090
#2	.06873	.07746	-.01909	.00552	-.00009	16.380	.05138
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	.00101	1.7900	-.00022	.00972	.11483	.05855	69.706
SDev	.00000	.0000	.00013	.00017	.00006	.00014	.091
%RSD	.01886	.00000	58.611	1.7731	.05417	.23122	.13011
#1	.00101	1.7900	-.00032	.00984	.11487	.05864	69.642
#2	.00101	1.7900	-.00013	.00960	.11478	.05845	69.770
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	3.2136	12.815	.75528	.52420	.01897	-.00068	.07464
SDev	.0053	.015	.00188	.00079	.00047	.00184	.00036
%RSD	.16417	.11842	.24854	.15019	2.4554	269.75	.48386
#1	3.2173	12.804	.75395	.52364	.01864	.00062	.07489
#2	3.2099	12.825	.75660	.52475	.01930	-.00198	.07438
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.15025	.00778	.07389	-.00319	-.00215
SDev	.00018	.00157	.00094	.00073	.00115
%RSD	.12139	20.143	1.2764	22.852	53.320
#1	.15012	.00889	.07322	-.00370	-.00134
#2	.15037	.00667	.07456	-.00267	-.00296
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21MS Operator: SW
Run Time: 07/12/04 18:41:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.87141	.91330	.42558	.55749	.01871	81.714	.69484
SDev	.00610	.00222	.00402	.00081	.00071	.359	.00178
%RSD	.70008	.24345	.94356	.14537	3.8125	.43896	.25560
#1	.87573	.91172	.42842	.55807	.01921	81.460	.69359
#2	.86710	.91487	.42274	.55692	.01820	81.968	.69610
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	.50636	8.9868	.56781	.52749	.97968	.78977	H373.58
SDev	.00327	.0716	.00252	.00362	.00505	.00122	2.66
%RSD	.64578	.79696	.44466	.68703	.51505	.15405	.71279
#1	.50405	8.9362	.56603	.52493	.97612	.78891	H371.70
#2	.50867	9.0374	.56960	.53005	.98325	.79063	H375.47
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	14.348	58.656	3.9503	2.4539	.55787	.01257	.83750
SDev	.061	.340	.0243	.0008	.00453	.00761	.00416
%RSD	.42329	.57887	.61443	.03252	.81148	60.580	.49619
#1	14.305	58.416	3.9331	2.4533	.55467	.00718	.83456
#2	14.391	58.896	3.9674	2.4545	.56107	.01795	.84044
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.1281	.55727	.89935	.51357	.01810
SDev	.0083	.00025	.00055	.00188	.00210
%RSD	.73143	.04471	.06099	.36563	11.623
#1	1.1222	.55710	.89974	.51489	.01661
#2	1.1339	.55745	.89896	.51224	.01959
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21MSD Operator: SW
Run Time: 07/12/04 18:43:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.90298	.94542	.41796	.55182	.01880	87.835	.71590
SDev	.00517	.00204	.00732	.00094	.00021	.498	.00412
%RSD	.57274	.21538	1.7502	.16963	1.1160	.56657	.57515
#1	.89932	.94686	.42313	.55116	.01894	87.483	.71299
#2	.90664	.94398	.41278	.55249	.01865	88.187	.71881
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	.50566	9.0516	.56429	.53058	1.0424	.81448	H411.29
SDev	.00226	.0349	.00218	.00255	.0076	.00484	1.95
%RSD	.44746	.38540	.38601	.47994	.73213	.59472	.47520
#1	.50406	9.0269	.56275	.52878	1.0370	.81105	H409.91
#2	.50726	9.0762	.56583	.53238	1.0478	.81790	H412.68
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	15.868	62.843	4.1888	2.7145	.56772	.01019	.85935
SDev	.088	.200	.0189	.0103	.00198	.00105	.00506
%RSD	.55608	.31834	.45192	.37956	.34830	10.281	.58871
#1	15.806	62.702	4.1754	2.7072	.56633	.01093	.85577
#2	15.931	62.985	4.2022	2.7218	.56912	.00945	.86293
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.1962	.55772	.93129	.50725	.01891
SDev	.0040	.00482	.00036	.00181	.00178
%RSD	.33736	.86395	.03908	.35714	9.4092
#1	1.1933	.55432	.93103	.50853	.01765
#2	1.1990	.56113	.93155	.50597	.02016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-22 Operator: SW
Run Time: 07/12/04 18:46:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.13462	.14617	-.01608	.00850	.00109	19.126	.12802
SDev	.00127	.00117	.00504	.00612	.00055	.065	.00017
%RSD	.94589	.80046	31.322	71.988	49.936	.33846	.13701
#1	.13552	.14534	-.01964	.01283	.00148	19.081	.12789
#2	.13372	.14699	-.01252	.00417	.00071	19.172	.12814
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	.00417	5.4438	.00137	.01166	.31040	.07166	82.712
SDev	.00002	.0053	.00018	.00082	.00030	.00018	.171
%RSD	.42784	.09661	12.930	7.0206	.09522	.25186	.20684
#1	.00418	5.4400	.00150	.01224	.31061	.07179	82.591
#2	.00416	5.4475	.00125	.01109	.31019	.07153	82.833
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	3.4840	7.4883	1.9052	1.7737	.02548	.00331	.04808
SDev	.0077	.0027	.0027	.0069	.00045	.00141	.00000
%RSD	.21967	.03653	.13997	.39045	1.7549	42.665	.00000
#1	3.4786	7.4864	1.9033	1.7688	.02516	.00431	.04808
#2	3.4894	7.4903	1.9071	1.7786	.02579	.00231	.04808
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	2.9453	.02007	.14232	.00031	-.00299
SDev	.0054	.00155	.00036	.00240	.00032
%RSD	.18236	7.7316	.25040	765.31	10.802
#1	2.9415	.01897	.14207	.00201	-.00277
#2	2.9491	.02117	.14257	-.00139	-.00322
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-23 Operator: SW
Run Time: 07/12/04 18:48:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.45715	.49935	-.14699	.02510	-.00046	58.144	.34359
SDev	.00268	.00324	.00462	.00150	.00023	.184	.00076
%RSD	.58529	.64782	3.1435	5.9575	49.597	.31562	.22170
#1	.45905	.49707	-.14372	.02404	-.00063	58.014	.34305
#2	.45526	.50164	-.15025	.02616	-.00030	58.274	.34413
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	.00631	7.0706	-.00111	.03963	.61477	.25678	H256.49
SDev	.00002	.0029	.00031	.00017	.00075	.00050	.02
%RSD	.28253	.04117	28.341	.43576	.12152	.19323	.00665
#1	.00632	7.0727	-.00089	.03951	.61529	.25643	H256.50
#2	.00630	7.0686	-.00133	.03975	.61424	.25713	H256.47
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	11.172	37.481	2.8802	2.8648	.07729	.00316	.23782
SDev	.049	.042	.0013	.0179	.00040	.00049	.00000
%RSD	.43824	.11183	.04537	.62363	.51055	15.355	.00000
#1	11.137	37.452	2.8793	2.8522	.07701	.00282	.23782
#2	11.207	37.511	2.8811	2.8775	.07757	.00350	.23782
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.97592	.02724	.48530	L-.03221	.00952
SDev	.00128	.00054	.00127	.00054	.00136
%RSD	.13141	1.9661	.26101	1.6809	14.321
#1	.97683	.02686	.48441	L-.03182	.00856
#2	.97501	.02762	.48620	L-.03259	.01049
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-24 Operator: SW
Run Time: 07/12/04 18:51:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.22352	.23289	-.01578	.00439	.00068	28.577	.20854
SDev	.00153	.00378	.00145	.00218	.00046	.133	.00077
%RSD	.68561	1.6219	9.1768	49.734	68.178	.46441	.37036
#1	.22460	.23022	-.01680	.00285	.00100	28.483	.20799
#2	.22243	.23556	-.01475	.00594	.00035	28.671	.20909
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	.00686	7.6991	.00178	.02172	.24378	.07890	92.658
SDev	.00000	.0053	.00029	.00000	.00006	.00032	.164
%RSD	.00837	.06889	16.500	.00125	.02552	.40030	.17706
#1	.00686	7.6954	.00157	.02172	.24383	.07868	92.542
#2	.00686	7.7029	.00199	.02172	.24374	.07913	92.774
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	4.2156	12.027	4.0731	1.7518	.03175	.00320	.07770
SDev	.0036	.009	.0054	.0059	.00048	.00835	.00108
%RSD	.08452	.07895	.13237	.33455	1.5244	261.48	1.3943
#1	4.2131	12.033	4.0692	1.7476	.03141	-.00271	.07693
#2	4.2182	12.020	4.0769	1.7559	.03209	.00910	.07847
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	4.0686	.02993	.22977	-.00232	-.00478
SDev	.0019	.00017	.00201	.00194	.00086
%RSD	.04580	.56095	.87442	83.487	17.937
#1	4.0699	.02981	.22835	-.00369	-.00539
#2	4.0673	.03004	.23119	-.00095	-.00417
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 18:53:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49416	.50268	.49006	.49864	.50528	50.188	.47671
SDev	.00155	.00316	.00291	.00312	.00070	.153	.00039
%RSD	.31384	.62806	.59304	.62496	.13943	.30561	.08123
#1	.49307	.50491	.49211	.49644	.50478	50.080	.47644
#2	.49526	.50045	.48800	.50085	.50577	50.297	.47698
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	.50370	51.202	.48539	.48670	.49145	.50400	20.804
SDev	.00002	.041	.00016	.00022	.00000	.00090	.009
%RSD	.00362	.07978	.03207	.04429	.00000	.17891	.04348
#1	.50369	51.173	.48550	.48685	.49145	.50337	20.797
#2	.50371	51.231	.48528	.48654	.49145	.50464	20.810
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	20.643	50.896	.49037	21.163	.47868	.48434	.50333
SDev	.096	.036	.00054	.143	.00056	.00618	.00054
%RSD	.46637	.07011	.11095	.67707	.11613	1.2753	.10766
#1	20.575	50.871	.48999	21.062	.47829	.48871	.50371
#2	20.711	50.921	.49075	21.264	.47908	.47997	.50295
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50175	.50713	.49984	.49578	.51248
SDev	.00183	.00095	.00159	.00111	.00040
%RSD	.36419	.18767	.31797	.22405	.07747
#1	.50046	.50780	.50097	.49500	.51220
#2	.50304	.50645	.49872	.49657	.51276
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 18:56:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00178	-.00153	.00441	-.00149	.00072	.05847	.00013
SDev	.00004	.00421	.00188	.00235	.00078	.00255	.00001
%RSD	2.3197	275.36	42.603	157.82	107.59	4.3672	8.8170
#1	.00175	-.00451	.00308	-.00314	.00127	.06027	.00014
#2	.00181	.00145	.00573	.00017	.00017	.05666	.00012
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	.00013	.03448	-.00017	-.00027	.00045	.00007	.04593
SDev	.00002	.00142	.00020	.00022	.00002	.00002	.00245
%RSD	13.433	4.1201	116.68	80.687	3.4816	30.395	5.3319
#1	.00015	.03548	-.00031	-.00011	.00046	.00006	.04766
#2	.00012	.03347	-.00003	-.00042	.00044	.00009	.04419
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	.12722	.03123	.00069	.06658	.00012	-.00144	-.00005
SDev	.00891	.00030	.00008	.00019	.00065	.00095	.00018
%RSD	7.0042	.97544	10.970	.28453	521.87	66.278	329.64
#1	.13352	.03145	.00074	.06671	.00058	-.00211	-.00018
#2	.12092	.03102	.00064	.06645	-.00033	-.00076	.00007
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00148	.00253	-.00043	.00048	-.00114
SDev	.00055	.00048	.00282	.00219	.00158
%RSD	36.880	19.073	659.02	460.06	138.25
#1	.00187	.00219	-.00242	-.00107	-.00003
#2	.00110	.00287	.00157	.00202	-.00226
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405096-25 Operator: SW
Run Time: 07/12/04 18:58:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09084	.10665	-.03598	.00871	-.00061	45.773	.14287
SDev	.00018	.00203	.00316	.00224	.00006	.216	.00036
%RSD	.19849	1.9069	8.7958	25.742	10.256	.47241	.25375
#1	.09071	.10521	-.03821	.01030	-.00057	45.925	.14312
#2	.09097	.10809	-.03374	.00713	-.00066	45.620	.14261
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	.00258	13.757	-.00051	.03392	.13526	.06147	85.038
SDev	.00000	.001	.00003	.00022	.00037	.00020	.067
%RSD	.00744	.00588	6.4246	.63578	.27594	.33035	.07881
#1	.00258	13.757	-.00048	.03407	.13552	.06161	85.085
#2	.00258	13.758	-.00053	.03377	.13500	.06132	84.991
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	3.1852	19.399	.98858	3.7194	.03273	.00051	.21994
SDev	.0097	.011	.00022	.0312	.00124	.00129	.00036
%RSD	.30603	.05829	.02186	.83832	3.7799	253.98	.16421
#1	3.1921	19.407	.98873	3.7415	.03360	-.00041	.22020
#2	3.1783	19.391	.98843	3.6974	.03185	.00142	.21969
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.14599	.00765	.10138	-.00617	-.01655
SDev	.00073	.00344	.00142	.00044	.00673
%RSD	.49970	45.050	1.3972	7.1708	40.664
#1	.14547	.01008	.10038	-.00586	-.01179
#2	.14651	.00521	.10239	-.00648	L-.02131
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-26 Operator: SW
Run Time: 07/12/04 19:01:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09037	.10150	-.03462	.01355	.00002	58.841	.21698
SDev	.00286	.00105	.00251	.00843	.00021	.083	.00007
%RSD	3.1619	1.0394	7.2383	62.199	864.93	.14100	.03237
#1	.08835	.10224	-.03285	.01951	-.00012	58.783	.21693
#2	.09239	.10075	-.03639	.00759	.00017	58.900	.21703
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	.00115	6.1083	-.00182	.05638	.32320	.09387	172.51
SDev	.00002	.0303	.00007	.00022	.00215	.00009	.78
%RSD	1.4900	.49643	3.7929	.38233	.66422	.09613	.45050
#1	.00113	6.0869	-.00187	.05623	.32168	.09380	171.96
#2	.00116	6.1297	-.00177	.05653	.32471	.09393	173.06
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	5.7105	36.593	1.5104	1.6628	.06949	.00730	.66006
SDev	.0162	.118	.0054	.0035	.00117	.00128	.00145
%RSD	.28345	.32254	.35941	.20882	1.6772	17.556	.21895
#1	5.6991	36.510	1.5065	1.6604	.06867	.00639	.65904
#2	5.7220	36.676	1.5142	1.6653	.07032	.00820	.66108
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.27551	.00338	.09779	-.00249	L-.02675
SDev	.00110	.00037	.00025	.00646	.00047
%RSD	.39746	10.931	.25346	259.49	1.7755
#1	.27474	.00364	.09762	.00208	L-.02641
#2	.27629	.00312	.09797	-.00705	L-.02709
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-27 Operator: SW
Run Time: 07/12/04 19:03:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49298	.55011	-.19881	.03213	.00833	176.83	.34594
SDev	.00702	.00078	.00405	.00267	.00025	.63	.00109
%RSD	1.4246	.14242	2.0369	8.3025	3.0221	.35656	.31504
#1	.48801	.54956	-.19594	.03402	.00850	176.39	.34517
#2	.49794	.55066	-.20167	.03024	.00815	177.28	.34671
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	.00692	13.056	-.00333	.09566	.31894	.13427	H299.22
SDev	.00002	.043	.00042	.00052	.00073	.00007	.78
%RSD	.24801	.32758	12.534	.54040	.22924	.05040	.26144
#1	.00691	13.026	-.00304	.09602	.31842	.13432	H298.67
#2	.00693	13.086	-.00363	.09529	.31946	.13422	H299.77
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	8.2031	85.929	4.3081	2.7250	.08298	.00855	.56541
SDev	.0224	.121	.0129	.0054	.00070	.00616	.00126
%RSD	.27353	.14118	.29865	.19719	.84338	72.065	.22364
#1	8.1872	85.843	4.2990	2.7212	.08348	.01290	.56451
#2	8.2190	86.014	4.3172	2.7288	.08249	.00419	.56630
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.43612	.02363	.53108	L-.04477	L-.03394
SDev	.00183	.00512	.00286	.00313	.00308
%RSD	.41884	21.668	.53876	6.9864	9.0749
#1	.43483	.02725	.52906	L-.04256	L-.03612
#2	.43741	.02001	.53311	L-.04698	L-.03176
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-28 Operator: SW
Run Time: 07/12/04 19:06:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.11595	.13852	-.06697	.02098	-.00009	63.558	.15009
SDev	.00428	.00027	.00149	.00381	.00038	.100	.00009
%RSD	3.6894	.19311	2.2257	18.154	399.94	.15703	.06234
#1	.11292	.13871	-.06592	.02367	-.00036	63.629	.15002
#2	.11897	.13833	-.06803	.01829	.00017	63.488	.15015
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	.00156	11.508	-.00332	.05666	.29290	.10613	H233.80
SDev	.00003	.060	.00017	.00013	.00118	.00016	1.04
%RSD	2.2467	.51938	5.1379	.22829	.40362	.14879	.44372
#1	.00154	11.466	-.00320	.05657	.29207	.10625	H233.07
#2	.00159	11.550	-.00344	.05675	.29374	.10602	H234.54
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	4.2702	46.692	2.3432	3.0931	.04220	.00107	.42146
SDev	.0047	.168	.0088	.0222	.00111	.00492	.00108
%RSD	.11110	.36008	.37523	.71709	2.6331	461.45	.25713
#1	4.2735	46.574	2.3370	3.1088	.04299	-.00241	.42070
#2	4.2668	46.811	2.3494	3.0775	.04142	.00455	.42223
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.26041	.00587	.13100	-.00831	-.01376
SDev	.00201	.00209	.00125	.00304	.00239
%RSD	.77085	35.596	.95117	36.542	17.378
#1	.25899	.00439	.13012	-.00616	-.01545
#2	.26183	.00735	.13188	L-.01046	-.01207
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-29 Operator: SW
Run Time: 07/12/04 19:08:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.23767	.23178	-.02270	.00549	-.00198	15.237	.09098
SDev	.00303	.00213	.00470	.00171	.00048	.009	.00001
%RSD	1.2733	.91907	20.722	31.077	24.389	.05932	.01285
#1	.23981	.23028	-.01937	.00669	-.00164	15.230	.09099
#2	.23553	.23329	-.02602	.00428	-.00232	15.243	.09098
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	.00205	2.4054	-.00032	.00580	.25942	.03612	63.999
SDev	.00002	.0041	.00005	.00013	.00009	.00023	.070
%RSD	.86936	.17171	16.405	2.2296	.03598	.62473	.10884
#1	.00204	2.4025	-.00028	.00571	.25949	.03596	63.950
#2	.00206	2.4084	-.00036	.00589	.25936	.03628	64.049
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	4.7510	1.7746	.25246	1.8812	.01845	.00460	.04527
SDev	.0008	.0065	.00048	.0030	.00038	.00414	.00000
%RSD	.01649	.36435	.19003	.15958	2.0397	90.006	.00000
#1	4.7515	1.7701	.25212	1.8834	.01871	.00753	.04527
#2	4.7504	1.7792	.25280	1.8791	.01818	.00167	.04527
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.13387	.01403	.23374	-.00390	-.00537
SDev	.00146	.00129	.00041	.00270	.00974
%RSD	1.0898	9.1770	.17674	69.369	181.26
#1	.13490	.01494	.23345	-.00199	-.01226
#2	.13284	.01312	.23404	-.00581	.00151
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-30 Operator: SW
Run Time: 07/12/04 19:11:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.1893	1.2135	-.18294	.01202	.00131	40.796	.49879
SDev	.0002	.0044	.00593	.00181	.00044	.066	.00080
%RSD	.01921	.35868	3.2427	15.088	33.507	.16138	.16002
#1	1.1894	1.2104	-.17875	.01330	.00100	40.749	.49823
#2	1.1891	1.2165	-.18714	.01073	.00163	40.842	.49936
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	.01066	2.8306	.00260	.01637	.27380	.10154	110.69
SDev	.00007	.0199	.00013	.00134	.00201	.00016	.70
%RSD	.66623	.70473	5.0850	8.1664	.73287	.15553	.62808
#1	.01061	2.8165	.00269	.01542	.27238	.10143	110.20
#2	.01071	2.8447	.00250	.01731	.27522	.10165	111.18
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	6.1977	13.482	.96307	1.9906	.02811	-.00137	.13912
SDev	.0000	.074	.00479	.0082	.00079	.00156	.00054
%RSD	.00000	.54828	.49747	.41253	2.8124	113.56	.38940
#1	6.1977	13.430	.95969	1.9964	.02755	-.00027	.13873
#2	6.1977	13.534	.96646	1.9848	.02866	-.00247	.13950
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.4728	.06600	1.2054	L-.05291	-.00517
SDev	.0130	.00393	.0028	.00318	.00462
%RSD	.88563	5.9536	.23453	6.0198	89.354
#1	1.4635	.06878	1.2034	L-.05065	-.00843
#2	1.4820	.06322	1.2074	L-.05516	-.00190
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-31 Operator: SW
Run Time: 07/12/04 19:13:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.20843	.20686	-.01601	.00333	-.00202	9.9051	.07260
SDev	.00413	.00148	.00377	.00332	.00013	.0004	.00026
%RSD	1.9823	.71497	23.526	99.637	6.2223	.00379	.35412
#1	.21135	.20581	-.01335	.00098	-.00211	9.9053	.07242
#2	.20551	.20791	-.01867	.00568	-.00193	9.9048	.07278
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	.00154	.60044	-.00024	.00387	.21694	.02809	50.038
SDev	.00000	.00151	.00056	.00009	.00101	.00011	.173
%RSD	.01862	.25057	238.03	2.2282	.46603	.40160	.34491
#1	.00154	.59938	.00016	.00381	.21622	.02801	49.916
#2	.00154	.60151	-.00063	.00393	.21765	.02817	50.160
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	2.5567	.53055	.37146	1.5984	.01529	-.00017	.03008
SDev	.0012	.00230	.00087	.0130	.00043	.00061	.00054
%RSD	.04865	.43413	.23477	.81145	2.8147	348.11	1.8010
#1	2.5576	.52893	.37085	1.6076	.01498	-.00060	.02969
#2	2.5558	.53218	.37208	1.5893	.01559	.00025	.03046
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.11943	.01367	.20738	-.00311	-.00520
SDev	.00036	.00264	.00039	.00096	.00111
%RSD	.30538	19.307	.18775	30.843	21.400
#1	.11917	.01553	.20766	-.00379	-.00442
#2	.11968	.01180	.20711	-.00243	-.00599
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-32 Operator: SW
Run Time: 07/12/04 19:16:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.68305	.74307	-.34488	.02597	-.00078	37.786	.63714
SDev	.00206	.00206	.00458	.00164	.00025	.043	.00020
%RSD	.30098	.27744	1.3270	6.3297	32.408	.11285	.03136
#1	.68159	.74162	-.34164	.02481	-.00095	37.816	.63728
#2	.68450	.74453	-.34811	.02713	-.00060	37.755	.63700
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	.01087	3.1556	-.00185	.01157	.24363	.07456	H258.85
SDev	.00007	.0055	.00005	.00052	.00031	.00005	.85
%RSD	.65516	.17282	2.8874	4.4718	.12769	.06052	.32826
#1	.01082	3.1518	-.00181	.01193	.24385	.07453	H258.25
#2	.01092	3.1595	-.00188	.01120	.24341	.07460	H259.45
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	5.5433	7.7283	3.9256	2.1446	.02048	.00244	.07706
SDev	.0066	.0030	.0058	.0004	.00077	.00258	.00018
%RSD	.11849	.03891	.14747	.01946	3.7665	105.39	.23432
#1	5.5386	7.7262	3.9215	2.1443	.02103	.00427	.07693
#2	5.5479	7.7304	3.9297	2.1449	.01994	.00062	.07719
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.3019	.05507	.72308	L-.09752	.01261
SDev	.0002	.00073	.00206	.00043	.00096
%RSD	.01410	1.3331	.28484	.43845	7.6234
#1	1.3018	.05455	.72163	L-.09722	.01329
#2	1.3020	.05559	.72454	L-.09783	.01193
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-1 Operator: SW
Run Time: 07/12/04 19:18:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.8942	2.9132	-.36885	.00702	.00303	39.628	.51941
SDev	.0006	.0066	.00834	.00784	.00040	.022	.00103
%RSD	.02239	.22796	2.2610	111.72	13.131	.05508	.19891
#1	2.8947	2.9085	-.36295	.00147	.00275	39.612	.51868
#2	2.8938	2.9179	-.37475	.01257	.00332	39.643	.52014
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	.01103	30.809	.00506	.02597	.16418	.17176	164.37
SDev	.00002	.095	.00013	.00034	.00128	.00065	.47
%RSD	.15911	.30924	2.5197	1.3290	.77675	.38085	.28574
#1	.01102	30.741	.00497	.02573	.16328	.17129	164.04
#2	.01104	30.876	.00515	.02622	.16508	.17222	164.70
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	8.1798	25.694	H10.047	3.4791	.02911	.00037	.14218
SDev	.0052	.077	.030	.0058	.00075	.00032	.00054
%RSD	.06403	.29848	.30072	.16572	2.5850	86.848	.38102
#1	8.1761	25.639	H10.026	3.4832	.02964	.00059	.14180
#2	8.1835	25.748	H10.069	3.4751	.02857	.00014	.14256
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	2.7656	.01987	2.9069	L-.11814	-.00732
SDev	.0093	.00439	.0042	.00245	.00058
%RSD	.33450	22.119	.14495	2.0776	7.9830
#1	2.7590	.01676	2.9039	L-.11988	-.00691
#2	2.7721	.02297	2.9098	L-.11641	-.00773
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-2 Operator: SW
Run Time: 07/12/04 19:21:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.73333	.79892	-.48611	.00930	.00871	19.583	.63605
SDev	.00538	.00656	.01058	.00009	.00017	.015	.00069
%RSD	.73409	.82094	2.1768	.95890	1.9256	.07621	.10904
#1	.72952	.79428	-.47863	.00936	.00859	19.594	.63654
#2	.73713	.80356	-.49359	.00923	.00883	19.573	.63556
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	.00832	4.5024	.00059	.00578	.11900	.06153	125.97
SDev	.00003	.0188	.00014	.00000	.00002	.00011	.39
%RSD	.42612	.41863	24.090	.00420	.01307	.18334	.30831
#1	.00830	4.4890	.00069	.00578	.11898	.06145	125.70
#2	.00835	4.5157	.00049	.00578	.11901	.06161	126.25
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	2.3013	2.2070	4.4802	1.7191	.00614	.00228	.03148
SDev	.0159	.0154	.0121	.0094	.00072	.00273	.00036
%RSD	.69145	.69762	.26947	.54851	11.679	119.98	1.1471
#1	2.2900	2.1961	4.4717	1.7258	.00563	.00035	.03123
#2	2.3125	2.2179	4.4887	1.7125	.00665	.00421	.03174
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.3212	.02979	.77708	L-.15567	-.00989
SDev	.0084	.00168	.00617	.00358	.00260
%RSD	.63906	5.6440	.79364	2.3017	26.270
#1	1.3153	.03098	.77272	L-.15314	-.00805
#2	1.3272	.02860	.78144	L-.15821	-.01173
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 19:23:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49548	.49929	.49677	.49635	.50408	49.946	.47243
SDev	.00056	.00209	.00316	.00086	.00021	.035	.00001
%RSD	.11274	.41849	.63661	.17393	.04235	.07054	.00249
#1	.49587	.49781	.49453	.49696	.50393	49.921	.47242
#2	.49508	.50076	.49900	.49574	.50423	49.971	.47244
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	.50331	51.120	.48327	.48596	.49042	.50133	20.733
SDev	.00122	.176	.00175	.00030	.00156	.00041	.044
%RSD	.24284	.34458	.36282	.06213	.31729	.08094	.21269
#1	.50244	50.996	.48203	.48618	.48932	.50104	20.702
#2	.50417	51.245	.48451	.48575	.49152	.50161	20.765
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	20.476	50.809	.48864	20.960	.47522	.47595	.50231
SDev	.029	.177	.00084	.036	.00111	.00447	.00054
%RSD	.14128	.34801	.17089	.17064	.23417	.93946	.10789
#1	20.455	50.684	.48805	20.934	.47600	.47911	.50193
#2	20.496	50.934	.48923	20.985	.47443	.47278	.50269
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50097	.50875	.49802	.49649	.51189
SDev	.00256	.00076	.00121	.00048	.00827
%RSD	.51065	.14955	.24249	.09613	1.6153
#1	.49916	.50821	.49716	.49615	.50604
#2	.50278	.50928	.49887	.49683	.51774
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 19:26:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00225	.00122	.00419	-.00205	.00047	.05697	.00022
SDev	.00369	.00116	.00328	.00563	.00063	.00084	.00001
%RSD	164.03	94.885	78.171	274.09	134.11	1.4705	5.4310
#1	-.00036	.00204	.00188	.00193	.00002	.05638	.00021
#2	.00486	.00040	.00651	-.00603	.00091	.05756	.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	.00018	.03917	-.00002	-.00015	.00053	.00022	.04825
SDev	.00002	.00000	.00005	.00004	.00026	.00014	.00575
%RSD	9.5336	.00000	233.99	29.690	49.449	62.151	11.909
#1	.00017	.03917	-.00005	-.00011	.00035	.00012	.04418
#2	.00020	.03917	.00001	-.00018	.00072	.00031	.05231
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	.12945	.03403	.00095	.06486	.00040	-.00152	-.00031
SDev	.02781	.00061	.00001	.00004	.00032	.00377	.00054
%RSD	21.481	1.7874	1.3298	.05849	80.106	247.94	174.66
#1	.10978	.03446	.00096	.06489	.00017	-.00418	-.00069
#2	.14911	.03360	.00094	.06484	.00063	.00114	.00007
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00200	-.00073	.00156	.00003	-.00393
SDev	.00018	.00261	.00046	.00266	.00237
%RSD	9.1217	355.63	29.312	9908.6	60.278
#1	.00187	.00111	.00124	.00191	-.00560
#2	.00213	-.00258	.00189	-.00186	-.00225
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405097-3 Operator: SW
Run Time: 07/12/04 19:28:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.75917	.84334	-.59700	.00741	-.00442	21.509	.57509
SDev	.00155	.00193	.00776	.00280	.00063	.167	.00330
%RSD	.20451	.22859	1.2995	37.735	14.219	.77734	.57399
#1	.75807	.84198	-.59151	.00939	-.00398	21.390	.57276
#2	.76026	.84471	-.60248	.00543	-.00487	21.627	.57743
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	.00972	5.4878	.00034	.00679	.13613	.06727	134.97
SDev	.00002	.0118	.00016	.00026	.00057	.00043	.48
%RSD	.18639	.21566	46.417	3.7908	.42269	.63720	.35322
#1	.00971	5.4795	.00023	.00697	.13653	.06697	134.64
#2	.00973	5.4962	.00045	.00661	.13572	.06758	135.31
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	3.3762	2.8735	4.8435	1.8800	.00807	.00198	.03748
SDev	.0206	.0181	.0172	.0173	.00029	.00189	.00054
%RSD	.61021	.62999	.35438	.92033	3.5592	95.159	1.4452
#1	3.3616	2.8607	4.8314	1.8678	.00827	.00065	.03786
#2	3.3908	2.8863	4.8556	1.8923	.00786	.00332	.03710
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.3780	.05505	.81531	L-.19386	-.01334
SDev	.0020	.00291	.00180	.00445	.00375
%RSD	.14658	5.2788	.22112	2.2949	28.113
#1	1.3765	.05299	.81404	L-.19071	-.01599
#2	1.3794	.05710	.81659	L-.19700	-.01069
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-4 Operator: SW
Run Time: 07/12/04 19:31:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.21886	.22106	-.02601	.00628	-.00124	8.2933	.02110
SDev	.00012	.00195	.00164	.00009	.00019	.0595	.00012
%RSD	.05331	.88351	6.2968	1.3517	15.267	.71714	.55356
#1	.21878	.21968	-.02485	.00634	-.00110	8.2513	.02102
#2	.21894	.22244	-.02717	.00622	-.00137	8.3354	.02118
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	.00154	.43041	-.00006	.00087	.23556	.01233	88.614
SDev	.00002	.00100	.00006	.00069	.00115	.00002	.404
%RSD	1.1548	.23147	91.984	79.463	.48863	.18303	.45575
#1	.00153	.42971	-.00002	.00038	.23474	.01234	88.329
#2	.00156	.43112	-.00011	.00136	.23637	.01231	88.900
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	2.0197	.06287	.33935	1.4482	.00969	-.00207	.00288
SDev	.0208	.00030	.00145	.0156	.00088	.00006	.00000
%RSD	1.0286	.47787	.42818	1.0754	9.0692	3.0496	.00000
#1	2.0051	.06308	.33832	1.4372	.00907	-.00211	.00288
#2	2.0344	.06265	.34038	1.4593	.01032	-.00202	.00288
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.98045	.00404	.22032	-.00447	.00164
SDev	.00366	.00292	.00134	.00060	.00168
%RSD	.37372	72.369	.60889	13.463	102.07
#1	.97786	.00197	.21938	-.00405	.00046
#2	.98305	.00610	.22127	-.00490	.00283
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-5 Operator: SW
Run Time: 07/12/04 19:34:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.14302	.14449	-.00857	-.00063	-.00909	5.4076	.07383
SDev	.00009	.00236	.00419	.00149	.00019	.0072	.00001
%RSD	.06343	1.6351	48.885	234.10	2.0748	.13397	.01583
#1	.14308	.14282	-.01153	.00042	-.00896	5.4025	.07384
#2	.14295	.14616	-.00561	-.00169	-.00922	5.4128	.07382
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	.00484	.22729	-.00035	.00061	.10525	.00403	18.030
SDev	.00000	.00049	.00002	.00073	.00067	.00016	.015
%RSD	.00396	.21635	7.0929	119.71	.63532	3.9182	.08245
#1	.00484	.22764	-.00036	.00113	.10572	.00392	18.041
#2	.00484	.22695	-.00033	.00009	.10478	.00414	18.020
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	1.7949	.18453	.80195	1.2270	.00229	-.00454	.00160
SDev	.0090	.00500	.00057	.0068	.00013	.00256	.00036
%RSD	.50171	2.7089	.07120	.55493	5.5165	56.322	22.500
#1	1.7885	.18806	.80235	1.2222	.00238	-.00273	.00186
#2	1.8012	.18099	.80155	1.2318	.00220	-.00635	.00135
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.25280	.02075	.14400	-.00328	-.00549
SDev	.00000	.00199	.00155	.00040	.00198
%RSD	.00000	9.6058	1.0733	12.314	36.015
#1	.25280	.02216	.14291	-.00356	-.00409
#2	.25280	.01934	.14509	-.00299	-.00689
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-6 Operator: SW
Run Time: 07/12/04 19:36:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.10180	.09648	-.00501	.00310	-.00171	4.4186	.07209
SDev	.00432	.00139	.00538	.00143	.00057	.0095	.00016
%RSD	4.2430	1.4371	107.49	46.003	33.097	.21570	.22695
#1	.09875	.09747	-.00881	.00411	-.00211	4.4119	.07197
#2	.10485	.09550	-.00120	.00209	-.00131	4.4253	.07220
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	.00126	3.8679	-.00003	.00058	.12711	.00360	9.4290
SDev	.00000	.0112	.00020	.00000	.00030	.00005	.0116
%RSD	.01525	.29002	581.03	.00986	.23244	1.2534	.12348
#1	.00126	3.8600	.00011	.00058	.12732	.00357	9.4208
#2	.00126	3.8759	-.00018	.00058	.12690	.00363	9.4373
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	1.9067	.18411	.21490	1.5476	.00364	-.00266	.00058
SDev	.0234	.00617	.00030	.0052	.00027	.00433	.00036
%RSD	1.2297	3.3540	.14094	.33445	7.3953	163.00	61.878
#1	1.8901	.18848	.21469	1.5440	.00383	.00041	.00084
#2	1.9233	.17974	.21512	1.5513	.00345	-.00572	.00033
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.16482	.01113	.09825	.00040	-.00117
SDev	.00182	.00282	.00051	.00084	.00157
%RSD	1.1066	25.341	.52264	210.31	134.04
#1	.16611	.01312	.09789	-.00019	-.00006
#2	.16353	.00913	.09862	.00100	-.00229
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-7 Operator: SW
Run Time: 07/12/04 19:39:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03679	.02958	-.00618	-.00267	.00072	5.1096	.04563
SDev	.00290	.00144	.00111	.00068	.00048	.0299	.00019
%RSD	7.8800	4.8741	17.996	25.323	66.880	.58586	.40964
#1	.03884	.03060	-.00696	-.00315	.00106	5.1308	.04576
#2	.03474	.02856	-.00539	-.00219	.00038	5.0885	.04550
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	.00088	.10504	-.00002	.00045	.06380	.00293	4.9141
SDev	.00000	.00097	.00010	.00026	.00030	.00041	.0170
%RSD	.03273	.92191	631.10	57.508	.46309	13.861	.34649
#1	.00088	.10572	.00005	.00063	.06401	.00322	4.9261
#2	.00088	.10435	-.00009	.00027	.06359	.00264	4.9021
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	.26003	.17038	.52501	1.6408	.00187	-.00329	.00020
SDev	.00363	.00088	.00139	.0135	.00004	.00293	.00054
%RSD	1.3961	.51856	.26518	.82523	1.9312	88.896	270.06
#1	.25746	.17100	.52599	1.6504	.00190	-.00122	.00058
#2	.26259	.16975	.52402	1.6312	.00185	-.00537	-.00018
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.41003	.00181	.03198	-.00384	-.00559
SDev	.00110	.00000	.00193	.00082	.00395
%RSD	.26726	.06657	6.0257	21.397	70.640
#1	.41081	.00181	.03334	-.00442	-.00280
#2	.40926	.00181	.03062	-.00326	-.00839
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-8 Operator: SW
Run Time: 07/12/04 19:41:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.19108	.18323	.00085	-.00228	-.00132	3.1062	.02207
SDev	.00539	.00097	.00568	.00136	.00027	.0017	.00002
%RSD	2.8207	.53089	664.33	59.439	20.572	.05486	.10582
#1	.18727	.18392	-.00316	-.00132	-.00152	3.1074	.02209
#2	.19489	.18255	.00487	-.00324	-.00113	3.1050	.02206
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	.00050	.13370	-.00032	.00056	.07028	.00304	6.5514
SDev	.00003	.00122	.00001	.00009	.00045	.00029	.0182
%RSD	7.1079	.90975	4.2944	15.297	.64159	9.6430	.27736
#1	.00047	.13284	-.00033	.00050	.06997	.00283	6.5385
#2	.00052	.13456	-.00031	.00062	.07060	.00325	6.5642
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	1.1389	.07029	.74527	1.0389	.00242	-.00113	.00007
SDev	.0246	.00240	.00162	.0004	.00034	.00212	.00036
%RSD	2.1642	3.4115	.21782	.03828	14.084	188.36	495.36
#1	1.1215	.06860	.74412	1.0392	.00218	-.00262	-.00018
#2	1.1563	.07199	.74641	1.0386	.00266	.00037	.00033
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.06760	.00526	.18585	-.00124	-.00175
SDev	.00073	.00161	.00115	.00099	.00039
%RSD	1.0787	30.523	.61661	79.590	22.115
#1	.06708	.00640	.18504	-.00194	-.00147
#2	.06811	.00413	.18666	-.00054	-.00202
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CRI Operator: SW
Run Time: 07/12/04 19:44:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00908	.00732	.01105	.00478	.02075	.45894	.38515
SDev	.00321	.00042	.00215	.00316	.00034	.00239	.00206
%RSD	35.330	5.6817	19.458	66.044	1.6173	.52190	.53574
#1	.00681	.00761	.01257	.00701	.02099	.45725	.38369
#2	.01134	.00703	.00953	.00255	.02052	.46064	.38661
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	.01028	9.6748	.00992	.10012	.02031	.05016	.18806
SDev	.00000	.0331	.00016	.00043	.00056	.00045	.01024
%RSD	.00093	.34191	1.6234	.42987	2.7556	.89968	5.4434
#1	.01028	9.6982	.01004	.10043	.02071	.05047	.19530
#2	.01028	9.6514	.00981	.09982	.01992	.04984	.18082
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	8.8656	9.8994	.03032	9.0403	.07992	.12500	.10183
SDev	.0353	.0299	.00016	.0455	.00063	.00385	.00018
%RSD	.39830	.30245	.54011	.50327	.78581	3.0825	.17731
#1	8.8406	9.9206	.03044	9.0081	.08036	.12227	.10196
#2	8.8905	9.8783	.03021	9.0724	.07947	.12772	.10170
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.04388	.01387	.00791	.00687	.01949
SDev	.00073	.00139	.00079	.00282	.00445
%RSD	1.6615	10.002	9.9975	41.076	22.809
#1	.04440	.01288	.00735	.00886	.02263
#2	.04337	.01485	.00846	.00487	.01635
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: ICSA Operator: SW
Run Time: 07/12/04 19:46:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.03066	.01482	-.01389	.00975	.00022	479.98	.00086
SDev	.00010	.00675	.00589	.00045	.00027	2.47	.00001
%RSD	.30978	45.543	42.422	4.6332	125.62	.51466	1.3593
#1	-.03073	.01959	-.01806	.00943	.00041	478.23	.00087
#2	-.03060	.01004	-.00972	.01007	.00002	481.73	.00085
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	.00110	490.82	.00133	.00336	.00030	-.00084	199.87
SDev	.00000	1.16	.00009	.00000	.00003	.00027	.50
%RSD	.00870	.23568	6.8989	.00013	10.241	32.419	.25217
#1	.00110	490.00	.00139	.00336	.00033	-.00064	199.51
#2	.00110	491.64	.00126	.00336	.00028	-.00103	200.23
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	.07229	497.29	.00755	.21487	.00311	-.00418	.00454
SDev	.00589	.99	.00003	.00122	.00030	.00264	.00018
%RSD	8.1517	.19939	.33381	.56568	9.8077	63.049	3.9758
#1	.07646	496.59	.00753	.21401	.00332	-.00232	.00467
#2	.06812	497.99	.00756	.21573	.00289	-.00605	.00441
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01527	-.00283	-.00033	.00188	.00066
SDev	.00000	.00311	.00447	.00226	.00684
%RSD	.00000	109.90	1356.7	120.51	1041.6
#1	.01527	-.00504	.00283	.00028	.00549
#2	.01527	-.00063	-.00349	.00348	-.00418
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	.04000	.02000	.00600	.01000	.02000

Method: TRACE Sample Name: ICSAB Operator: SW
Run Time: 07/12/04 19:49:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01623	.06090	.03764	.04939	.20899	483.67	.45692
SDev	.00219	.01085	.00432	.00235	.00082	.31	.00063
%RSD	13.504	17.820	11.486	4.7643	.39413	.06460	.13866
#1	.01778	.05323	.04070	.04773	.20957	483.89	.45737
#2	.01468	.06857	.03459	.05106	.20840	483.45	.45647
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	.46268	496.09	.87314	.45220	.45222	.52355	201.84
SDev	.00040	.15	.00020	.00017	.00009	.00095	.11
%RSD	.08543	.02979	.02245	.03811	.02064	.18084	.05288
#1	.46296	496.20	.87300	.45207	.45228	.52422	201.92
#2	.46240	495.99	.87328	.45232	.45215	.52288	201.77
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	-.02722	501.20	.46522	.14923	.85972	.56148	.47868
SDev	.00150	.20	.00015	.00047	.00045	.00963	.00000
%RSD	5.4931	.03915	.03263	.31711	.05225	1.7153	.00000
#1	-.02616	501.06	.46533	.14889	.85940	.55467	.47868
#2	-.02827	501.34	.46512	.14956	.86003	.56829	.47868
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.90054	.09450	.04602	.04548	.09130
SDev	.00275	.00279	.00651	.00013	.00204
%RSD	.30504	2.9559	14.142	.28514	2.2390
#1	.89860	.09252	.04142	.04539	.08985
#2	.90248	.09647	.05063	.04557	.09274
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000
Range	20.000	20.000	20.000	20.000	20.000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 19:51:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49122	.49998	.49363	.49332	.50358	50.113	.47386
SDev	.00326	.00068	.00128	.00205	.00058	.051	.00048
%RSD	.66260	.13648	.25998	.41605	.11445	.10248	.10153
#1	.48892	.49950	.49272	.49477	.50399	50.149	.47420
#2	.49352	.50046	.49453	.49187	.50318	50.077	.47352
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	.49961	51.042	.48145	.48453	.48865	.50244	20.714
SDev	.00002	.024	.00013	.00052	.00051	.00041	.032
%RSD	.00367	.04612	.02674	.10687	.10508	.08076	.15450
#1	.49960	51.059	.48154	.48490	.48901	.50273	20.736
#2	.49962	51.026	.48136	.48416	.48828	.50215	20.691
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	20.656	50.647	.48715	21.255	.47291	.47790	.50014
SDev	.008	.024	.00047	.005	.00162	.00063	.00072
%RSD	.03927	.04785	.09609	.02216	.34161	.13190	.14446
#1	20.650	50.630	.48748	21.252	.47405	.47745	.50065
#2	20.662	50.664	.48682	21.259	.47176	.47834	.49963
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49671	.49911	.49706	.49342	.50661
SDev	.00018	.00243	.00154	.00094	.00470
%RSD	.03679	.48701	.30962	.19084	.92843
#1	.49684	.50083	.49597	.49409	.50328
#2	.49658	.49739	.49815	.49276	.50993
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 19:54:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00306	-.00015	-.00201	.00257	-.00012	.08399	.00014
SDev	.00106	.00134	.00458	.00173	.00034	.00566	.00002
%RSD	34.508	900.78	227.68	67.410	270.50	6.7398	16.599
#1	.00381	-.00110	.00123	.00135	.00011	.08799	.00016
#2	.00231	.00080	-.00524	.00380	-.00036	.07999	.00012
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	.00022	.06448	-.00016	-.00027	.00019	.00001	.04133
SDev	.00003	.00479	.00012	.00004	.00009	.00011	.01389
%RSD	15.984	7.4355	75.311	16.134	48.159	1083.4	33.616
#1	.00025	.06787	-.00024	-.00030	.00026	.00009	.05116
#2	.00020	.06109	-.00007	-.00024	.00013	-.00007	.03151
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	.10686	.06010	.00064	.06425	-.00038	-.00320	-.00044
SDev	.02324	.00601	.00004	.00038	.00011	.00051	.00036
%RSD	21.751	10.006	5.8643	.59076	28.074	16.015	82.485
#1	.12329	.06435	.00067	.06452	-.00046	-.00284	-.00018
#2	.09042	.05585	.00062	.06398	-.00031	-.00356	-.00069
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00110	.00000	.00092	.00105	-.00505
SDev	.00073	.00260	.00054	.00037	.00079
%RSD	66.521	68657.	59.018	34.924	15.737
#1	.00161	-.00184	.00054	.00131	-.00449
#2	.00058	.00184	.00130	.00079	-.00561
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

HEADER INFORMATION FOR ANALYTICAL SEQUENCE T40713A

SW

Reviewed 7/14/04

STANDARD SOLUTION CODES

MIX A High Standard (ST040602-1) exp 06/02/05

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

---

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

4.0ml Intermediate Mix (ST040602-2) exp 05/21/05
0.04ml 1000ug/ml Ag (ST040602-37) exp 08/21/05
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

---

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

0.1ml Intermediate RL STD MIX 1 (ST040602-7) exp 5/21/05
0.1ml Intermediate RL STD MIX 2 (ST040602-8) exp 6/02/05

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

Element	Concentration (ug/ml)
Ca,Mg,Na,K	0.5
Al,Fe	0.1
Sb	0.008
Pb	0.003
Ba,Cr,Co,Cu	0.002
Mn,Ag,V	0.002
Be,Cd	0.001

ICSA (preparation date: 07/12/04)
Made by diluting:
10ml (ST040525-43) exp 11/07/05
to 100ml final volume

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

ICSAB (prepraration date: 07/01/04)
Made by diluting:
10ml (ST040525-43) exp 11/07/05
1.0ml (ST040525-42) exp 11/13/05
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Cd,Ni,Zn	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: 07/12/04
made by diluting:
0.5ml IV-7 (ST040521-31) exp 06/01/05
0.5ml IV-19 (ST040521-32) exp 06/01/05
5.0ml Major Element 2nd source (ST040602-3) exp 06/02/05
to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	50.5

Fe,Na	20.5
K	20.0
Ba,Be,Cd,Co,Cr	0.5
Cu,Mn,Ni,Sb,V,Zn	0.5
As,Pb,Se,Tl	0.5
Ag	0.5

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
Ba,Be,Cd,Co,Cr	0.25
Cu,Mn,Ni,Sb,V,Zn	0.25
As,Pb,Se,Tl	0.25
Ag	0.25

CRI (preparation date: 07/12/04)
Made by diluting:
1.0ml intermediate solution 1 (ST040602-4) exp 11/07/05
1.0ml intermediate solution 2 (ST040602-5) exp 11/07/05
1.0ml intermediate solution 3 (ST040602-6) exp 11/07/05
0.5ml 2000ug/ml Ca,Mg,Na,K (ST040601-4) exp 11/07/05
to 100ml final volume.

Element	ug/ml
Ca,Mg,Na,K	10.0
Fe	0.2
Al,Ba	0.4
Tl,Cr,Ag	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 -- A16051
HCl -- X25027

Pipet ID Numbers

1.0 to 5.0ml M-55

0.1 to 1.0ml AB-001

0.01 to 0.1ml M-57

Date of Multi-point calibration: 07/13/04

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
Ni (10)	Pb,Al
V (10)	Al,Be,Fe

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.

ANALYTICAL SPIKES

0405097-9A post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Fe 20.0

0.02ml of 10000ug/ml Fe (ST040525-19) brought to 10ml final volume with digestate.

0406259-13A 5X post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Pb 1.0

0.05ml of "IV-19 Spike" (ST040521-32) brought to 5ml final volume with digestate.

0406260-11A 5X post spiked for the following element(s) at the listed concentration (ug/ml in digestate)

Pb 1.0

0.05ml of "IV-19 Spike" (ST040521-32) 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 06/15/04 (SW)

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode

Multi-point calibrations performed at beginning of sequence

Analysis Report Summary 07/14/04 08:25:26 AM

Blank; RLSTD; MixA: High, 1/2, 1/10, 1/100; MixB: High, 1/10, 1/100 computer date set incorrectly

07/13/04 (SW)

1	MIXBHIGH	T	TRACE	~~07/12/04~~	09:17	SW	Q	CONC
2	MIXAHIGH	T	TRACE	07/12/04	09:19	SW	Q	CONC
3	ICV	T	TRACE	07/12/04	09:22	SW	Q	CONC
4	ICB	T	TRACE	07/12/04	09:25	SW	B	CONC
5	CRI	T	TRACE	07/12/04	09:27	SW	S	CONC
6	ICSA	T	TRACE	07/12/04	09:30	SW	Q	CONC
7	ICSAB	T	TRACE	07/12/04	09:32	SW	Q	CONC
8	CCV	T	TRACE	07/12/04	09:35	SW	Q	CONC
9	CCB	T	TRACE	07/12/04	09:37	SW	B	CONC
10	0405096-21 2X	T	TRACE	07/12/04	09:44	SW	S	CONC
11	0405096-21D 2X	T	TRACE	07/12/04	09:46	SW	S	CONC
12	0405096-21L 10X	T	TRACE	07/12/04	09:49	SW	S	CONC
13	0405096-21MS 2X	T	TRACE	07/12/04	09:51	SW	S	CONC
14	0405096-21MSD 2X	T	TRACE	07/12/04	09:54	SW	S	CONC
15	0405096-23 2X	T	TRACE	07/12/04	09:56	SW	S	CONC
16	0405096-27 2X	T	TRACE	07/12/04	09:59	SW	S	CONC
17	0405096-28 2X	T	TRACE	07/12/04	10:01	SW	S	CONC
18	0405096-32 2X	T	TRACE	07/12/04	10:04	SW	S	CONC
19	0405097-1 2X	T	TRACE	07/12/04	10:07	SW	S	CONC
20	CCV	T	TRACE	07/12/04	10:09	SW	Q	CONC
21	CCB	T	TRACE	07/12/04	10:12	SW	B	CONC
22	IP040709-4MB	T	TRACE	07/12/04	10:14	SW	S	CONC
23	IP040709-4LCS	T	TRACE	07/12/04	10:17	SW	S	CONC
24	0405097-9	T	TRACE	07/12/04	10:19	SW	S	CONC
25	0405097-9D	T	TRACE	07/12/04	10:22	SW	S	CONC
26	0405097-9L 5X	T	TRACE	07/12/04	10:24	SW	S	CONC
27	0405097-9MS	T	TRACE	07/12/04	10:27	SW	S	CONC
28	0405097-9MSD	T	TRACE	07/12/04	10:29	SW	S	CONC
29	0405097-10	T	TRACE	07/12/04	10:32	SW	S	CONC
30	0405097-11	T	TRACE	07/12/04	10:34	SW	S	CONC
31	0405097-12	T	TRACE	07/12/04	10:37	SW	S	CONC
32	CCV	T	TRACE	07/12/04	10:39	SW	Q	CONC
33	CCB	T	TRACE	07/12/04	10:42	SW	B	CONC
34	0405097-13	T	TRACE	07/12/04	10:44	SW	S	CONC
35	0405097-14	T	TRACE	07/12/04	10:47	SW	S	CONC
36	0405097-15	T	TRACE	07/12/04	10:49	SW	S	CONC
37	0405097-16	T	TRACE	07/12/04	10:52	SW	S	CONC
38	0405097-17	T	TRACE	07/12/04	10:54	SW	S	CONC
39	0405097-18	T	TRACE	07/12/04	10:57	SW	S	CONC
40	0405097-20	T	TRACE	07/12/04	10:59	SW	S	CONC
41	0405097-22	T	TRACE	07/12/04	11:02	SW	S	CONC
42	0405097-24	T	TRACE	07/12/04	11:05	SW	S	CONC
43	0405097-25	T	TRACE	07/12/04	11:07	SW	S	CONC
44	CCV	T	TRACE	07/12/04	11:10	SW	Q	CONC
45	CCB	T	TRACE	07/12/04	11:12	SW	B	CONC
46	0405097-26	T	TRACE	07/12/04	11:15	SW	S	CONC
47	0405097-27	T	TRACE	07/12/04	11:17	SW	S	CONC
48	0405097-29	T	TRACE	07/12/04	11:20	SW	S	CONC
49	0405097-30	T	TRACE	07/12/04	11:22	SW	S	CONC
50	0405097-9A	T	TRACE	07/12/04	11:26	SW	S	CONC
51	CRI	T	TRACE	07/12/04	11:28	SW	S	CONC
52	ICSA	T	TRACE	07/12/04	11:32	SW	Q	CONC
53	ICSAB	T	TRACE	07/12/04	11:35	SW	Q	CONC
54	CCV	T	TRACE	07/12/04	11:37	SW	Q	CONC
55	CCB	T	TRACE	07/12/04	11:40	SW	B	CONC

Fe, Pb

Mn, Pb

(1)

(1) - Mn, Pb ← dilution will be analyzed in next sequence

(1) = Al, Fe, Mn, As, Pb

07/13/04 (SW)

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
56	IP040712-2MB	T	TRACE	07/12/04	12:01	SW	S	CONC
57	IP040712-2LCS	T	TRACE	07/12/04	12:03	SW	S	CONC
58	0406206-1 TAL	T	TRACE	07/12/04	12:07	SW	S	CONC
59	0406206-2 TAL-Na	T	TRACE	07/12/04	12:10	SW	S	CONC
60	0406206-3	T	TRACE	07/12/04	12:12	SW	S	CONC
61	0406245-1	T	TRACE	07/12/04	12:15	SW	S	CONC
62	0406245-1D	T	TRACE	07/12/04	12:17	SW	S	CONC
63	0406245-1L 5X	T	TRACE	07/12/04	12:20	SW	S	CONC
64	0406245-1MS	T	TRACE	07/12/04	12:23	SW	S	CONC
65	0406245-1MSD	T	TRACE	07/12/04	12:26	SW	S	CONC
66	CCV	T	TRACE	07/12/04	12:28	SW	Q	CONC
67	CCB	T	TRACE	07/12/04	12:31	SW	B	CONC
68	0406245-2 TAL	T	TRACE	07/12/04	12:33	SW	S	CONC
69	0406245-3	T	TRACE	07/12/04	12:36	SW	S	CONC
70	0406245-5	T	TRACE	07/12/04	12:38	SW	S	CONC
71	0406245-6	T	TRACE	07/12/04	12:41	SW	S	CONC
72	0406206-2 5X Na	T	TRACE	07/12/04	12:47	SW	S	CONC
73	0406206-3 5X	T	TRACE	07/12/04	12:49	SW	S	CONC
74	0406245-1 5X	T	TRACE	07/12/04	12:52	SW	S	CONC
75	0406245-1D 5X	T	TRACE	07/12/04	12:54	SW	S	CONC
76	0406245-1L 25X	T	TRACE	07/12/04	12:57	SW	S	CONC
77	0406245-1MS 5X	T	TRACE	07/12/04	12:59	SW	S	CONC
78	CCV	T	TRACE	07/12/04	13:02	SW	Q	CONC
79	CCB	T	TRACE	07/12/04	13:05	SW	B	CONC
80	0406245-1MSD 5X	T	TRACE	07/12/04	13:07	SW	S	CONC
81	IP040712-1MB	T	TRACE	07/12/04	13:10	SW	S	CONC
82	IP040712-1LCS	T	TRACE	07/12/04	13:12	SW	S	CONC
83	0406258-1 5X As, Pb	T	TRACE	07/12/04	13:15	SW	S	CONC
84	0406258-2 5X	T	TRACE	07/12/04	13:17	SW	S	CONC
85	0406258-3 5X	T	TRACE	07/12/04	13:20	SW	S	CONC
86	0406258-4 5X	T	TRACE	07/12/04	13:22	SW	S	CONC
87	0406258-5 5X	T	TRACE	07/12/04	13:25	SW	S	CONC
88	0406258-6 5X	T	TRACE	07/12/04	13:27	SW	S	CONC
89	0406258-7 5X	T	TRACE	07/12/04	13:30	SW	S	CONC
90	CCV	T	TRACE	07/12/04	13:32	SW	Q	CONC
91	CCB	T	TRACE	07/12/04	13:35	SW	B	CONC
92	CRI	T	TRACE	07/12/04	13:40	SW	S	CONC
93	ICSA	T	TRACE	07/12/04	13:42	SW	Q	CONC
94	ICSAB	T	TRACE	07/12/04	13:45	SW	Q	CONC
95	CCV	T	TRACE	07/12/04	13:47	SW	Q	CONC
96	CCB	T	TRACE	07/12/04	13:50	SW	B	CONC
97	0406258-8 5X	T	TRACE	07/12/04	13:58	SW	S	CONC
98	0406258-9 5X	T	TRACE	07/12/04	14:00	SW	S	CONC
99	0406258-10 5X	T	TRACE	07/12/04	14:03	SW	S	CONC
100	0406258-11 5X	T	TRACE	07/12/04	14:05	SW	S	CONC
101	0406258-12 5X	T	TRACE	07/12/04	14:08	SW	S	CONC
102	0406258-13 5X	T	TRACE	07/12/04	14:10	SW	S	CONC
103	0406258-13D 5X	T	TRACE	07/12/04	14:13	SW	S	CONC
104	0406258-13L 25X	T	TRACE	07/12/04	14:15	SW	S	CONC
105	0406258-13MS 5X	T	TRACE	07/12/04	14:18	SW	S	CONC
106	0406258-13MSD 5X	T	TRACE	07/12/04	14:20	SW	S	CONC
107	CCV	T	TRACE	07/12/04	14:23	SW	Q	CONC
108	CCB	T	TRACE	07/12/04	14:26	SW	B	CONC
109	0406258-14 5X	T	TRACE	07/12/04	14:28	SW	S	CONC

ignore flags wrong check table

(Diluted to reduce potential matrix interferences below client RL of 10 mg/L in the diluted samples)

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
				07/13/04 (SW)				
110	0406258-15 5X As, Pb	T	TRACE	07/12/04	14:31	SW	S	CONC
111	0406258-16 5X	T	TRACE	07/12/04	14:33	SW	S	CONC
112	0406258-17 5X	T	TRACE	07/12/04	14:36	SW	S	CONC
113	0406258-18 5X	T	TRACE	07/12/04	14:38	SW	S	CONC
114	0406258-19 5X	T	TRACE	07/12/04	14:41	SW	S	CONC
115	0406258-20 5X	T	TRACE	07/12/04	14:43	SW	S	CONC
116	IP040712-3MB	T	TRACE	07/12/04	14:46	SW	S	CONC
117	IP040712-3LCS	T	TRACE	07/12/04	14:48	SW	S	CONC
118	0406259-1 5X	T	TRACE	07/12/04	14:51	SW	S	CONC
119	CCV	T	TRACE	07/12/04	14:53	SW	Q	CONC
120	CCB	T	TRACE	07/12/04	14:56	SW	B	CONC
121	0406259-2 5X	T	TRACE	07/12/04	14:58	SW	S	CONC
122	0406259-3 5X	T	TRACE	07/12/04	15:01	SW	S	CONC
123	0406259-4 5X	T	TRACE	07/12/04	15:03	SW	S	CONC
124	0406259-5 5X	T	TRACE	07/12/04	15:06	SW	S	CONC
125	0406259-6 5X	T	TRACE	07/12/04	15:09	SW	S	CONC
126	0406259-7 5X	T	TRACE	07/12/04	15:11	SW	S	CONC
127	0406259-8 5X	T	TRACE	07/12/04	15:14	SW	S	CONC
128	0406259-9 5X	T	TRACE	07/12/04	15:16	SW	S	CONC
129	0406259-10 5X	T	TRACE	07/12/04	15:19	SW	S	CONC
130	0406259-11 5X	T	TRACE	07/12/04	15:21	SW	S	CONC
131	CCV	T	TRACE	07/12/04	15:24	SW	Q	CONC
132	CCB	T	TRACE	07/12/04	15:26	SW	B	CONC
133	0406259-12 5X	T	TRACE	07/12/04	15:29	SW	S	CONC
134	0406259-13 5X	T	TRACE	07/12/04	15:31	SW	S	CONC
135	0406259-13D 5X	T	TRACE	07/12/04	15:34	SW	S	CONC
136	0406259-13L 25X	T	TRACE	07/12/04	15:36	SW	S	CONC
137	0406259-13MS 5X	T	TRACE	07/12/04	15:39	SW	S	CONC
138	0406259-13MSD 5X	T	TRACE	07/12/04	15:41	SW	S	CONC
139	0406259-14 5X	T	TRACE	07/12/04	15:44	SW	S	CONC
140	0406259-15 5X	T	TRACE	07/12/04	15:46	SW	S	CONC
141	0406259-16 5X	T	TRACE	07/12/04	15:49	SW	S	CONC
142	0406259-17 5X	T	TRACE	07/12/04	15:51	SW	S	CONC
143	CCV	T	TRACE	07/12/04	15:54	SW	Q	CONC
144	CCB	T	TRACE	07/12/04	15:56	SW	B	CONC
145	0406259-18 5X	T	TRACE	07/12/04	16:00	SW	S	CONC
146	0406259-19 5X	T	TRACE	07/12/04	16:02	SW	S	CONC
147	0406259-20 5X	T	TRACE	07/12/04	16:05	SW	S	CONC
148	0406259-13A 5X Pb	T	TRACE	07/12/04	16:07	SW	S	CONC
149	CRI	T	TRACE	07/12/04	16:10	SW	S	CONC
150	ICSA	T	TRACE	07/12/04	16:12	SW	Q	CONC
151	ICSAB	T	TRACE	07/12/04	16:15	SW	Q	CONC
152	CCV	T	TRACE	07/12/04	16:18	SW	Q	CONC
153	CCB	T	TRACE	07/12/04	16:20	SW	B	CONC
154	IP040712-4MB	T	TRACE	07/12/04	16:25	SW	S	CONC
155	IP040712-4LCS	T	TRACE	07/12/04	16:28	SW	S	CONC
156	0406260-1 5X As, Pb	T	TRACE	07/12/04	16:30	SW	S	CONC
157	0406260-2 5X	T	TRACE	07/12/04	16:33	SW	S	CONC
158	0406260-3 5X	T	TRACE	07/12/04	16:35	SW	S	CONC
159	0406260-4 5X	T	TRACE	07/12/04	16:38	SW	S	CONC
160	0406260-5 5X	T	TRACE	07/12/04	16:41	SW	S	CONC
161	0406260-6 5X	T	TRACE	07/12/04	16:43	SW	S	CONC
162	0406260-7 5X	T	TRACE	07/12/04	16:46	SW	S	CONC
163	0406260-8 5X	T	TRACE	07/12/04	16:48	SW	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
				07/13/04	(SW)			
164	CCV	T	TRACE	07/12/04	16:51	SW	Q	CONC
165	CCB	T	TRACE	07/12/04	16:53	SW	B	CONC
166	0406260-9 5X As & Pb	T	TRACE	07/12/04	16:56	SW	S	CONC
167	0406260-10 5X	T	TRACE	07/12/04	16:58	SW	S	CONC
168	0406260-11 5X	T	TRACE	07/12/04	17:01	SW	S	CONC
169	0406260-11D 5X	T	TRACE	07/12/04	17:03	SW	S	CONC
170	0406260-11L 25X	T	TRACE	07/12/04	17:06	SW	S	CONC
171	0406260-11MS 5X	T	TRACE	07/12/04	17:08	SW	S	CONC
172	0406260-11MSD 5X	T	TRACE	07/12/04	17:11	SW	S	CONC
173	0406260-12 5X	T	TRACE	07/12/04	17:13	SW	S	CONC
174	0406260-13 5X	T	TRACE	07/12/04	17:16	SW	S	CONC
175	0406260-14 5X	T	TRACE	07/12/04	17:18	SW	S	CONC
176	CCV	T	TRACE	07/12/04	17:21	SW	Q	CONC
177	CCB	T	TRACE	07/12/04	17:23	SW	B	CONC
178	0406260-15 5X	T	TRACE	07/12/04	17:26	SW	S	CONC
179	0406260-16 5X	T	TRACE	07/12/04	17:28	SW	S	CONC
180	0406260-17 5X	T	TRACE	07/12/04	17:31	SW	S	CONC
181	0406260-18 5X	T	TRACE	07/12/04	17:34	SW	S	CONC
182	0406260-19 5X	T	TRACE	07/12/04	17:36	SW	S	CONC
183	0406260-20 5X	T	TRACE	07/12/04	17:39	SW	S	CONC
184	0406260-11A 5X Not required	T	TRACE	07/12/04	17:41	SW	S	CONC
185	CRI	T	TRACE	07/12/04	17:44	SW	S	CONC
186	ICSA	T	TRACE	07/12/04	17:46	SW	Q	CONC
187	ICSAB	T	TRACE	07/12/04	17:49	SW	Q	CONC
188	CCV	T	TRACE	07/12/04	17:51	SW	Q	CONC
189	CCB	T	TRACE	07/12/04	17:54	SW	B	CONC

#	Element	MIXBHIGH	MIXAHIGH	ICV	ICB	CRI	ICSA
1	Al	.09808	499.75	24.487	.01041	.43663	489.24
2	Sb	2.0186	.01714	.25424	.00242	.12861	.00621
3	As	10.026	.00411	.25302	.00098	.00961	.00488
4	Ba	10.010	.00236	.24112	.00029	.39410	.00091
5	Be	10.065	.00236	.25496	.00045	.01065	.00134
6	Cd	9.9927	.00040	.24453	.00022	.01017	-.00073
7	Ca	.04375	500.43	24.814	.02803	9.5077	511.51
8	Cr	10.010	.00544	.24451	.00018	.01981	.00030
9	Co	10.030	.00493	.24309	-.00001	.10129	.00362
10	Cu	10.069	.00448	.24715	.00074	.05042	.00039
11	Fe	-.01892	200.94	10.164	-.00094	.17248	205.99
12	Pb	9.9135	.00400	.24907	.00111	.00507	.00024
13	Mg	-.03897	501.83	25.262	-.01740	9.9318	516.52
14	Mn	10.016	.00861	.24648	.00025	.03101	.00785
15	Ni	10.007	.00462	.24094	.00087	.08150	.00357
16	K_	.13942	100.28	9.9361	.26218	8.9479	.30640
17	Se	9.9775	-.00034	.25118	.00049	.01045	-.00122
18	Ag	1.9946	.00084	.24155	.00095	.01989	.00080
19	Na	.06597	99.824	10.088	.01994	8.8786	.18008
20	Tl	10.009	-.00088	.25418	.00000	.02179	.00026
21	V_	10.026	.00572	.25193	.00014	.10276	.00520
22	Zn	10.005	.01141	.24503	-.00267	.04396	.01016

- 096

#	Element	ICSAB	CCV	CCB	040'1 2X	040'D 2X	040' 10X
					21	21 D	21 C
1	Al	496.52	49.917	.02873	39.912	48.986	8.0809
2	Sb	.57935	.49025	.00031	.00825	.00880	.00422
3	As	.09992	.50019	.00263	.01700	.01290	.00366
4	Ba	.47234	.48430	-.00002	.12688	.14727	.02588
5	Be	.47588	.50947	.00018	.00257	.00249	.00054
6	Cd	.89099	.48652	-.00018	-.00258	-.00219	-.00052
7	Ca	513.50	50.960	.04440	4.3703	5.4757	.87839
8	Cr	.45271	.48807	.00015	.27994	.30070	.05786
9	Co	.45544	.48422	-.00004	.02487	.02899	.00509
10	Cu	.53461	.50506	.00053	.14682	.13427	.02883
11	Fe	207.26	20.800	.01125	185.40	178.54	34.268
12	Pb	.04916	.49935	-.00054	.18056	.14667	.03588
13	Mg	517.96	51.038	.00080	31.524	40.083	6.5301
14	Mn	.47425	.49317	.00002	1.8682	1.7764	.38510
15	Ni	.87490	.47942	.00043	.04714	.06495	.01007
16	K_	.20099	20.591	.33545	7.9091	14.947	1.7703
17	Se	.04765	.50500	.00106	-.00733	-.00427	-.00617
18	Ag	.20600	.49569	.00095	.00056	.00047	.00061
19	Na	.14075	20.747	.01617	1.1666	1.0508	.22343
20	Tl	.09373	.51408	-.00430	.00597	.00666	.00015
21	V_	.48724	.50493	.00014	.18487	.21008	.03819
22	Zn	.90694	.49568	-.00333	.36874	.33222	.07436

~096

#	Element	040'S 2X	040'D 2X	040'3 2X	040'7 2X	040'8 2X	040'2 2X
		21 MS	21 MSD	23	27	28	32
1	Al	40.576	44.099	29.041	88.371	31.814	18.757
2	Sb	.01031	.00735	.00435	.00960	.00571	.00637
3	As	.27734	.28637	.01520	.01449	.00540	.02936
4	Ba	.35538	.36987	.17642	.17773	.07707	.32781
5	Be	.25875	.26162	.00332	.00376	.00085	.00557
6	Cd	.29259	.29589	-.00124	-.00290	-.00216	-.00152
7	Ca	4.4389	4.5295	3.5456	6.6969	5.7586	1.5510
8	Cr	.49521	.53413	.31356	.16713	.14887	.12302
9	Co	.26678	.27211	.02023	.05046	.02943	.00551
10	Cu	.39098	.40621	.12558	.06561	.05123	.03554
11	Fe	174.06	192.65	123.33	145.33	112.67	122.76
12	Pb	.45963	.48151	.25181	.27540	.06758	.36844
13	Mg	29.883	32.354	19.425	44.651	24.018	4.0320
14	Mn	2.0262	2.1738	1.4896	2.2628	1.2095	2.0068
15	Ni	.28750	.29460	.04030	.04432	.02292	.01085
16	K_	7.2599	8.1586	5.7998	4.2498	2.3085	2.9829
17	Se	.26658	.26995	L-.01988	L-.02511	-.00863	L-.05472
18	Ag	.00924	.00930	.00018	.00482	.00060	-.00005
19	Na	1.1121	1.2581	1.3321	1.2141	1.4276	1.0053
20	Tl	.00194	.00471	.00544	-.01185	-.00762	.00252
21	V_	.42482	.44160	.12237	.29326	.21450	.03858
22	Zn	.57323	.61713	.50582	.23108	.13176	.65755

~097 ~097

#	Element	040'1 2X	CCV	CCB	IPO'-4MB	IPO'4LCS	040'97-9
		1			MB	LCS	9
1	Al	19.670	50.113	.01940	.00398	5.1060	4.1056
2	Sb	.00201	.48700	-.00056	.00436	.01821	.00441
3	As	.01029	.50672	.00069	.00093	.53545	.00842
4	Ba	.26865	.48381	-.00004	-.00004	.48015	.30044
5	Be	.00573	.51396	.00014	.00006	.52034	.00163
6	Cd	.00181	.49177	-.00023	-.00022	.61088	-.00042
7	Ca	15.248	51.343	.03410	.04068	.03426	.21487
8	Cr	.08328	.49142	.00037	.00030	.49706	.08881
9	Co	.01329	.48771	.00001	-.00019	.49979	.00108
10	Cu	.08359	.50600	.00027	.00057	.50678	.00417
11	Fe	79.977	20.896	.01466	.05324	4.8903	8.4817
12	Pb	1.4865	.50457	.00048	-.00117	.61023	.07957
13	Mg	13.177	51.452	-.00577	-.02966	-.03453	.03209
14	Mn	5.1455	.49558	.00035	.00037	.50439	.15229
15	Ni	.01536	.48086	.00050	.00221	.50497	.00304
16	K_	4.2345	20.648	.32713	.30350	.29461	1.7395
17	Se	L-.05922	.51006	.00074	.00056	.54087	-.00049
18	Ag	.00071	.49825	.00056	.00104	.01913	-.00028
19	Na	1.6096	20.833	.00662	.01080	.00842	1.1114
20	Tl	-.00051	.52160	-.00024	-.00086	-.00272	-.00230
21	V_	.07158	.50662	.00014	.00001	.50233	.00118
22	Zn	1.4009	.50262	-.00320	.00323	.51463	.08506

#	Element	040'7-9D	040'L 5X	040'-9MS	040'9MSD	040'7-10	040'7-11
1	Al	3.8037	.84462	9.4431	9.7439	2.4725	2.9972
2	Sb	.00175	-.00026	.02337	.02318	.00079	.00074
3	As	.00730	-.00005	.54711	.55038	.00403	.02642
4	Ba	.27677	.06124	.82609	.83433	.01786	.07553
5	Be	.00178	.00035	.53097	.52976	.00055	.00136
6	Cd	-.00043	-.00054	.61196	.60840	-.00028	-.00038
7	Ca	.18008	.05655	.22470	.30237	.31349	.60036
8	Cr	.07598	.01729	.59681	.59441	.14579	.06848
9	Co	.00051	.00013	.50215	.50038	.00070	.00054
10	Cu	.00370	.00098	.51241	.51367	.00477	.00206
11	Fe	7.9159	1.6272	14.468	14.973	4.9998	7.3758
12	Pb	.07470	.01531	.69509	.70239	.03190	.11102
13	Mg	.02518	-.02649	.03364	.07388	.04073	.20444
14	Mn	.14122	.03084	.67061	.67539	.05611	.23284
15	Ni	.00271	.00019	.50826	.50541	.00512	.00255
16	K_	1.6632	.61775	1.8595	1.8806	1.1611	1.7441
17	Se	-.00014	-.00209	.53838	.53575	.00131	-.00120
18	Ag	-.00031	.00031	.01812	.01758	.00037	-.00381
19	Na	1.0214	.23998	1.2090	1.2626	.80180	.87893
20	Tl	.00309	.00074	.00041	-.00057	-.00289	-.00385
21	V_	.00118	.00014	.50298	.50285	.00170	.00079
22	Zn	.08032	.01444	.60485	.60672	.02910	.06054

#	Element	040'7-12	CCV	CCB	040'7-13	040'7-14	040'7-15
1	Al	5.5315	50.090	.01866	12.385	28.735	28.467
2	Sb	.00340	.49264	.00089	-.00052	.00059	.00347
3	As	.02835	.50560	.00273	.01787	-.00046	.00206
4	Ba	.04449	.48308	-.00003	.08835	.05739	.03651
5	Be	.00285	.51451	.00014	.00129	.00084	.00058
6	Cd	-.00057	.49291	-.00028	.00019	-.00134	-.00143
7	Ca	.87980	51.541	.03538	.15186	5.1444	6.2783
8	Cr	.08628	.49217	.00060	.12040	.15115	.21088
9	Co	.00012	.48867	-.00013	.00064	.01086	.01785
10	Cu	.00401	.50386	.00048	.00460	.01611	.05677
11	Fe	24.130	20.982	.01183	14.901	71.440	78.101
12	Pb	.17727	.50581	.00112	.24187	.00937	.01872
13	Mg	.02273	51.565	-.00894	.05043	15.403	14.551
14	Mn	.24155	.49589	.00009	2.1550	1.4977	1.3975
15	Ni	.00262	.48442	.00142	.00445	.00781	.00664
16	K_	2.1642	20.638	.31116	2.1910	6.2720	4.0457
17	Se	-.00070	.51891	.00152	-.00148	-.00337	.00704
18	Ag	-.00887	.49842	.00062	-.00741	.00021	.00095
19	Na	.95836	20.773	.00213	1.7397	1.5507	2.2435
20	Tl	-.00954	.52019	.00062	-.00898	-.00548	-.00375
21	V_	.00040	.50662	.00014	.00001	.04768	.04339
22	Zn	.17684	.50302	-.00360	.28898	.09047	.11005

-097

#	Element	040'7-16	040'7-17	040'7-18	040'7-20	040'7-22	040'7-24
1	Al	32.006	12.264	26.416	23.165	24.917	33.367
2	Sb	.00417	.01199	-.00176	.00369	.00372	.00899
3	As	.00143	.15098	.03335	.08875	.07822	.15370
4	Ba	.07067	1.2072	.36916	.86020	.99680	1.1537
5	Be	.00084	.02330	.00820	.01135	.01288	.02231
6	Cd	-.00163	.00591	.02050	.00387	.00490	.00461
7	Ca	6.1463	22.911	27.411	12.693	18.566	14.849
8	Cr	.12327	.15012	.25993	.15118	.15403	.14196
9	Co	.01478	.00470	.01818	.00849	.01118	.00642
10	Cu	.01781	.30545	.13083	.19443	.13369	.30968
11	Fe	78.705	75.630	116.27	137.15	136.11	162.55
12	Pb	.01332	3.3097	.62459	1.8895	2.1288	4.7130
13	Mg	15.327	L-5.7188	14.755	5.6897	5.7639	L-5.9829
14	Mn	1.5401	H13.508	6.6308	9.2813	9.3629	4.2931
15	Ni	.00623	.00860	.03264	.01556	.01715	.01047
16	K_	7.6870	1.7678	6.3615	4.2608	4.0536	2.1645
17	Se	.00010	L-1.5775	L-.04362	L-.26294	L-.36159	L-1.8309
18	Ag	.00012	-.00830	-.00297	-.00470	.00048	-.01554
19	Na	2.1367	3.7450	3.2248	1.8617	2.2309	2.5442
20	Tl	-.00659	L-.08951	-.00282	-.01458	L-.02417	L-.09192
21	V_	.06976	.03858	.08314	.05612	.06170	.05248
22	Zn	.09857	2.7578	8.1474	2.3959	2.8227	2.0487

-097 -097

#	Element	040'7-25	CCV	CCB	040'7-26	040'7-27	040'7-29
1	Al	17.550	49.945	.02627	19.485	21.438	55.856
2	Sb	.00478	.49198	.00444	.00497	.00842	.00580
3	As	.24669	.50020	.00237	.03435	.03603	.09881
4	Ba	.31257	.47943	.00004	.52416	.48110	.43791
5	Be	.00616	.51269	.00015	.00832	.00833	.01543
6	Cd	.00014	.48901	-.00008	-.00100	-.00080	-.00013
7	Ca	3.1610	51.265	.03859	3.7141	3.6128	12.691
8	Cr	.07054	.48959	.00035	.09796	.11017	.18535
9	Co	.00354	.48599	.00001	.00483	.00615	.04069
10	Cu	.07617	.50281	.00026	.04055	.04212	.13766
11	Fe	90.884	20.855	.01409	112.16	114.38	175.91
12	Pb	1.0887	.50394	-.00097	.61532	.57655	2.3971
13	Mg	-.78568	51.482	-.00852	2.0412	3.3632	40.519
14	Mn	4.0403	.49280	.00064	3.5921	3.5464	7.4904
15	Ni	.00579	.48079	.00101	.00576	.00532	.04961
16	K_	1.1374	20.572	.33840	2.3304	3.2792	4.9159
17	Se	L-.38330	.51164	.00326	L-.12121	L-.11745	L-.45839
18	Ag	.00271	.49681	.00087	-.00487	-.00525	-.00877
19	Na	1.5166	20.748	.00080	1.1500	1.2499	1.9750
20	Tl	-.01528	.52159	-.00174	-.00203	-.00472	L-.02923
21	V_	.02443	.50441	-.00011	.02975	.03482	.22424
22	Zn	1.0219	.50008	-.00373	.91255	1.0661	1.6631

-097 →

#	Element	040'7-30	040'7-9A	CRI	ICSA	ICSAB	CCV
1	Al	56.106	4.2030	.43812	493.06	497.11	49.984
2	Sb	.00239	-.00123	.13303	.00274	.58835	.49565
3	As	.04713	.00603	.01002	.00289	.10650	.50936
4	Ba	.46752	.30261	.39438	.00077	.47148	.48234
5	Be	.01631	.00165	.01057	.00119	.48207	.51839
6	Cd	.00115	-.00076	.00995	-.00087	.90841	.49756
7	Ca	11.875	.21504	9.6400	520.64	523.29	52.004
8	Cr	.23072	.08849	.02009	-.00020	.46013	.49640
9	Co	.04042	.00087	.10251	.00362	.46126	.49294
10	Cu	.12715	.00319	.05017	-.00099	.53171	.50443
11	Fe	160.95	29.787	.18899	207.53	209.36	21.074
12	Pb	1.2843	.07899	.00624	-.00200	.04809	.50915
13	Mg	44.644	.02920	10.075	523.55	527.00	51.989
14	Mn	6.6634	.15375	.03121	.00793	.47698	.49728
15	Ni	.06166	.00298	.08204	.00334	.88891	.48741
16	K_	5.4810	1.8004	9.0846	.33171	.27151	20.650
17	Se	L-.43993	.00043	.01240	-.00172	.05533	.51733
18	Ag	-.00664	-.00112	.01999	.00033	.20678	.50028
19	Na	2.1376	1.1534	8.9688	.13792	.10410	20.792
20	Tl	L-.02473	-.00214	.01972	.00034	.10042	.51879
21	V_	.22009	.00157	.10405	.00533	.48958	.50961
22	Zn	1.4622	.08330	.04274	.00975	.92588	.50983

#	Element	CCB	IPO'-2MB	IPO'2LCS	040'06-1	040'06-2	040'06-3
			-0712 →		-206	→	
1	Al	.05542	.00368	2.1497	.00409	.01158	.00520
2	Sb	-.00171	.00268	.49502	.00376	-.00009	.00311
3	As	-.00104	.00026	2.1047	.00059	.00201	-.00019
4	Ba	.00000	-.00010	1.8967	.03690	.01259	.06975
5	Be	.00018	.00009	.05347	.00017	.00023	.00018
6	Cd	-.00018	-.00032	.05048	-.00050	-.00052	-.00065
7	Ca	.06013	.01617	39.338	83.686	176.76	87.219
8	Cr	.00045	-.00024	.19445	-.00028	.00008	-.00066
9	Co	-.00001	.00060	.49032	-.00018	.00045	.00022
10	Cu	.00051	.00032	.24682	.00059	.00118	-.00007
11	Fe	.02215	-.00118	.90411	.00348	-.00235	.05796
12	Pb	.00019	-.00034	.51657	-.00345	-.00296	-.00142
13	Mg	.02161	-.03241	40.004	14.306	35.585	15.088
14	Mn	.00026	-.00021	.49398	.00142	.00679	.47648
15	Ni	.00039	.00078	.48911	.00121	.00162	.00211
16	K_	.38728	.37579	36.453	2.2449	2.6107	1.7580
17	Se	.00042	-.00186	2.2339	.00253	.00826	.00205
18	Ag	.00086	.00096	.04886	.00076	.00069	.00002
19	Na	.00152	-.01011	37.005	99.019	C.00000	H123.10
20	Tl	.00211	.00211	2.1114	.00212	.00634	.00664
21	V_	.00001	.00040	.51377	.00170	.00780	.00001
22	Zn	-.00373	-.00373	.50716	.00127	-.00320	.00000

#	Element	040'45-1	040'5-1D	040'L 5X	040'-1MS	040'1MSD	CCV
		-245	→				
1	Al	.01025	.01053	.00261	2.1700	2.1511	49.990
2	Sb	-.00187	.00304	.00071	.49169	.48408	.49255
3	As	.00158	.00327	.00071	2.0938	2.0808	.51477
4	Ba	.02346	.02333	.00469	1.8754	1.8605	.48329
5	Be	.00014	.00014	.00004	.05253	.05213	.51586
6	Cd	-.00045	-.00067	-.00068	.04844	.04822	.49888
7	Ca	67.430	66.941	13.022	107.76	107.12	51.748
8	Cr	.00004	-.00017	-.00055	.18924	.18744	.49476
9	Co	.00015	-.00003	-.00025	.48035	.47502	.49291
10	Cu	.00050	.00013	-.00012	.24682	.24464	.50231
11	Fe	.00181	-.00437	-.00457	.88047	.86285	21.058
12	Pb	-.00266	-.00129	-.00115	.50216	.50281	.50403
13	Mg	12.164	12.078	2.4912	51.447	51.110	51.830
14	Mn	.00082	.00049	-.00002	.48250	.47845	.49685
15	Ni	.00142	.00108	.00056	.47215	.47009	.48577
16	K_	1.8834	1.8467	.54055	45.526	45.110	20.763
17	Se	-.00111	-.00239	.00016	2.2471	2.2223	.52030
18	Ag	.00066	.00027	-.00012	.04960	.04861	.49887
19	Na	H107.59	H106.57	20.939	H169.07	H167.80	20.890
20	Tl	.00181	.00543	-.00115	2.1033	2.0953	.52512
21	V_	.00079	.00092	-.00024	.50285	.49869	.50675
22	Zn	-.00280	-.00160	-.00253	.49247	.48846	.50876

ignore Flags - wrong check table

#	Element	CCB	040'45-2	040'45-3	040'45-5	040'45-6	040'2 5X -206
			-245	→			2
1	Al	.03670	.01435	.01567	.01228	.00535	.00426
2	Sb	.00038	.00485	.00265	.00163	-.00013	.00158
3	As	.00311	.00236	.00363	.00356	.00028	-.00150
4	Ba	.00015	.03264	.07423	.09020	.00040	.00246
5	Be	.00019	.00019	.00019	.00019	.00004	.00013
6	Cd	-.00030	-.00056	-.00058	-.00051	-.00063	-.00049
7	Ca	.04989	H59.712	76.626	87.249	.04004	34.511
8	Cr	.00010	-.00005	-.00049	-.00044	-.00053	-.00026
9	Co	-.00013	.00034	.00079	.00067	-.00047	-.00007
10	Cu	.00006	.00080	.00497	.00137	-.00010	.00030
11	Fe	.01015	-.00352	.04366	.00174	-.00906	-.01163
12	Pb	-.00092	-.00179	-.00186	-.00233	-.00173	-.00126
13	Mg	.00207	H20.185	17.719	18.737	-.03241	7.4071
14	Mn	.00026	.00506	.12697	.28549	.00093	.00129
15	Ni	.00091	.00100	.00184	.00118	.00011	.00050
16	K_	.33117	H2.5974	4.4810	4.2730	.29104	.69360
17	Se	-.00169	-.00107	.00007	.00089	.00093	-.00070
18	Ag	.00081	.00101	.00026	.00065	.00010	.00060
19	Na	.02638	H98.431	50.601	57.320	.02225	38.166
20	Tl	.00424	.00484	.00432	.00198	.00632	.00211
21	V_	.00027	.00273	.00299	.00312	-.00050	.00144
22	Zn	-.00360	-.00360	.00013	.00000	-.00173	-.00360

#	Element	040'3 5X	040'1 5X	040'D 5X	040' 25X	040'S 5X	CCV
		-206		-245			
		3	1	1D	1L	1MS	
1	Al	.00218	.00275	.00322	-.00139	.43810	50.439
2	Sb	.00116	-.00015	.00325	.00500	.11291	.49566
3	As	.00196	.00265	.00179	.00112	.41786	.51561
4	Ba	.01425	.00471	.00465	.00085	.39346	.48500
5	Be	.00009	.00009	.00007	.00002	.01072	.51744
6	Cd	-.00060	-.00030	-.00046	-.00038	.00989	.49788
7	Ca	17.078	13.043	13.002	2.5263	21.072	51.737
8	Cr	-.00039	.00018	-.00018	-.00043	.03881	.49489
9	Co	-.00019	.00023	-.00025	-.00023	.09934	.49288
10	Cu	.00018	.00074	.00029	.00041	.04922	.50648
11	Fe	.00514	.00019	-.00532	-.00174	.16768	21.127
12	Pb	-.00180	-.00163	-.00106	-.00221	.10320	.51362
13	Mg	3.1342	2.4961	2.4918	.49067	10.614	52.051
14	Mn	.09924	.00007	-.00003	-.00008	.10077	.49802
15	Ni	.00069	.00118	.00061	-.00007	.09964	.48566
16	K_	.57637	.61741	.57329	.31590	8.7813	20.925
17	Se	-.00028	-.00088	.00139	-.00472	.43733	.52897
18	Ag	.00044	.00113	.00097	.00042	.00968	.50089
19	Na	23.050	20.494	20.429	4.1764	28.519	21.101
20	Tl	-.00138	.00120	.00152	.00095	.42913	.53090
21	V_	-.00063	.00053	.00040	.00001	.10496	.50831
22	Zn	-.00307	-.00054	-.00453	-.00054	.10006	.50742

#	Element	CCB	040'D 5X	IPO'-1MB	IPO'1LCS	040'1 5X	040'2 5X
			-245			-258	
			1MSD	~0712	→	1	2
1	Al	.03642	.44019	.01396	1.9611	10.647	11.540
2	Sb	-.00124	.11544	.00228	.47348	.00319	.00130
3	As	.00033	.41520	.00134	2.0166	.11353	.03384
4	Ba	.00004	.38809	-.00001	1.9118	.18622	.21399
5	Be	.00019	.01064	.00005	.05215	.00086	.00095
6	Cd	-.00003	.00989	-.00048	.05024	.00209	.00188
7	Ca	.04488	20.960	.05541	L.03442	9.8723	10.252
8	Cr	-.00006	.03958	.00042	.19763	.02029	.02160
9	Co	-.00044	.09946	-.00001	.49540	.00798	.00917
10	Cu	.00018	.04891	.00014	.24697	.03362	.03938
11	Fe	.00960	.18121	.00958	.92992	20.144	24.094
12	Pb	-.00096	.10147	.00031	.51137	.44511	.28913
13	Mg	-.00260	10.528	-.02776	L-.03410	4.1058	4.7498
14	Mn	.00019	.10000	.00043	.49860	.42488	.47600
15	Ni	.00136	.10000	.00096	.50170	.01419	.01593
16	K_	.31445	8.6467	.29287	L.26554	3.8886	4.5063
17	Se	-.00086	.43702	.00099	2.0301	-.00202	-.00351
18	Ag	.00057	.01093	.00039	L.00040	.00051	.00089
19	Na	.00875	28.072	.02845	L.00854	.12719	.11984
20	Tl	.00094	.43404	-.00028	2.0246	-.00527	-.00165
21	V_	-.00037	.10392	.00001	.49257	.03274	.03780
22	Zn	-.00360	.09911	.00601	.50409	.24275	.28202

-258

#	Element	040'3 5X	040'4 5X	040'5 5X	040'6 5X	040'7 5X	CCV
		3	4	5	6	7	
1	Al	12.444	11.948	12.109	12.142	11.339	50.172
2	Sb	.00547	-.00024	.00421	.00732	.00444	.49092
3	As	.09074	.07077	.08342	.01268	.01806	.51510
4	Ba	.23915	.22879	.23115	.20112	.19186	.48407
5	Be	.00104	.00096	.00097	.00096	.00092	.51639
6	Cd	.00265	.00186	.00217	.00055	.00086	.49853
7	Ca	8.0073	9.2239	6.8492	7.7563	6.4283	51.683
8	Cr	.05154	.04696	.04601	.02262	.02136	.49397
9	Co	.00905	.00883	.00908	.00976	.00907	.49241
10	Cu	.03818	.03466	.03575	.02420	.02710	.50431
11	Fe	23.991	23.073	24.026	23.836	23.147	21.052
12	Pb	.36596	.28575	.27722	.08206	.11989	.50864
13	Mg	4.4343	4.1944	4.2644	4.7236	4.4438	51.950
14	Mn	.45649	.53407	.43990	.45589	.48305	.49702
15	Ni	.01620	.01487	.01609	.01625	.01499	.48529
16	K_	4.1608	4.1094	4.0556	4.3061	4.6105	20.797
17	Se	.00324	-.00189	-.00194	.00202	.00139	.52460
18	Ag	.00113	.00084	.00095	.00060	.00049	.50015
19	Na	.17050	.15629	.17279	.13670	.13016	20.995
20	Tl	.00397	.00243	.00428	-.00292	.00121	.52166
21	V_	.03871	.03741	.03910	.03871	.03663	.50857
22	Zn	.37168	.37382	.35296	.16676	.20720	.50702

#	Element	CCB	CRI	ICSA	ICSAB	CCV	CCB
1	Al	.03511	.44788	501.74	502.87	50.287	.05888
2	Sb	-.00113	.13393	.00624	.59344	.49304	-.00176
3	As	-.00109	.01377	-.00049	.10177	.52041	.00062
4	Ba	.00004	.39914	.00106	.47446	.48410	.00005
5	Be	.00018	.01069	.00136	.48284	.51966	.00025
6	Cd	-.00032	.01025	-.00001	.91254	.50063	-.00026
7	Ca	.03731	9.7715	522.18	524.95	52.153	.06225
8	Cr	.00000	.02001	.00020	.46186	.49676	.00000
9	Co	.00008	.10344	.00359	.46382	.49602	.00008
10	Cu	.00020	.05037	.00023	.53461	.50475	.00024
11	Fe	.00849	.16923	210.27	210.95	21.178	.01983
12	Pb	-.00064	.00762	-.00397	.04916	.51149	-.00095
13	Mg	-.01000	10.231	527.91	529.13	52.261	.02429
14	Mn	.00013	.03131	.00813	.48060	.49998	.00018
15	Ni	.00065	.08293	.00363	.88910	.48869	.00082
16	K_	.34087	9.2240	.43763	.22701	20.791	.30202
17	Se	.00181	.00894	-.00042	.05424	.53034	-.00140
18	Ag	.00064	.01999	.00069	.20796	.50181	.00060
19	Na	.00187	9.1721	.23621	.10126	21.018	.00229
20	Tl	.00454	.02415	-.00056	.10077	.52286	.00152
21	V_	.00014	.10496	.00533	.49296	.51130	-.00050
22	Zn	-.00347	.04355	.01471	.92881	.51143	-.00373

258

#	Element	040'8 5X	040'9 5X	040'0 5X	040'1 5X	040'2 5X	040'3 5X
		8	9	10	11	12	13
1	Al	11.772	11.257	10.985	10.637	9.6540	9.4098
2	Sb	.00372	.00565	.00350	.01197	.00332	.00269
3	As	.01477	.19653	.21516	.40013	.00874	.01256
4	Ba	.22043	.24377	.23746	.26891	.19674	.20038
5	Be	.00093	.00164	.00086	.00086	.00086	.00092
6	Cd	.00062	.00218	.00261	.00252	.00202	.00249
7	Ca	7.5854	6.5859	6.9005	7.2748	5.9984	10.447
8	Cr	.02309	.03029	.03170	.03413	.02151	.02030
9	Co	.00951	.00750	.00803	.01127	.00733	.00702
10	Cu	.02486	.03025	.03640	.03995	.04043	.03594
11	Fe	23.218	20.990	21.378	21.169	19.765	19.609
12	Pb	.11379	.44457	.52018	1.1417	.13791	.15080
13	Mg	4.5692	3.7282	3.8622	4.2037	3.3176	4.7138
14	Mn	.46506	.40288	.42053	.45309	.43639	.44576
15	Ni	.01607	.01366	.01483	.01388	.01317	.01372
16	K_	4.1894	3.6828	3.7089	3.9477	3.3470	3.2208
17	Se	-.00364	.00009	-.00016	.00019	-.00047	-.00134
18	Ag	.00048	.00029	.00088	.00071	.00161	.00055
19	Na	.16225	.27351	.16140	.14384	.18162	.18751
20	Tl	-.00084	-.00380	.00016	.00127	-.00369	-.00257
21	V_	.03767	.03274	.03482	.03326	.03079	.03157
22	Zn	.17684	.23377	.29756	.32112	.20814	.22666

258

#	Element	040'D 5X	040' 25X	040'S 5X	040'D 5X	CCV	CCB
		13D	13L	13MS	13MSD		
1	Al	8.9365	1.9311	14.101	13.206	50.347	.03396
2	Sb	.00195	.00130	.05675	.05907	.49378	.00121
3	As	.00679	.00511	.41671	.41277	.51430	-.00145
4	Ba	.18062	.04050	.57884	.57198	.48391	.00004
5	Be	.00078	.00020	.01150	.01140	.51842	.00019
6	Cd	.00216	.00015	.01275	.01224	.49974	-.00018
7	Ca	9.0616	2.0269	8.7596	7.8961	51.898	.03715
8	Cr	.01947	.00396	.06311	.06072	.49619	.00008
9	Co	.00654	.00136	.10671	.10646	.49338	-.00051
10	Cu	.03346	.00730	.08952	.08444	.50495	.00011
11	Fe	17.966	3.7510	22.383	20.406	21.130	-.00037
12	Pb	.14558	.03170	.26007	.25000	.51013	-.00066
13	Mg	3.0904	.94416	4.0374	3.6411	52.186	-.01211
14	Mn	.38111	.09016	.53633	.51724	.49854	.00010
15	Ni	.01156	.00231	.11365	.11281	.48725	.00064
16	K_	2.9949	.89979	3.6716	3.5252	20.847	.29946
17	Se	-.00398	.00084	.41945	.41835	.52991	.00145
18	Ag	.00154	.00095	.00115	.00116	.50151	.00079
19	Na	.15696	.04049	.18608	.18746	21.188	-.00136
20	Tl	.00056	-.00077	.41115	.41582	.52457	-.00140
21	V_	.02910	.00624	.13459	.13212	.50948	-.00011
22	Zn	.21485	.04355	.32901	.33490	.50863	-.00413

-258

#	Element	040'4 5X	040'5 5X	040'6 5X	040'7 5X	040'8 5X	040'9 5X
		14	15	16	17	18	19
1	Al	8.5436	10.017	10.180	8.8930	11.172	11.168
2	Sb	.00329	.00150	.00282	-.00166	.00073	.00158
3	As	.00425	.01115	.00981	.01008	.00913	.00761
4	Ba	.16455	.23502	.20519	.18710	.23503	.22590
5	Be	.00077	.00086	.00089	.00074	.00091	.00085
6	Cd	.00095	.00105	.00069	.00078	.00203	.00376
7	Ca	5.8305	8.2378	6.2715	5.5806	6.5941	6.7442
8	Cr	.01733	.02139	.02019	.01780	.02379	.02668
9	Co	.00648	.00728	.00764	.00745	.00887	.00877
10	Cu	.02896	.03339	.02910	.02765	.08015	.03734
11	Fe	18.432	20.195	20.850	18.604	22.180	22.233
12	Pb	.10223	.19306	.13598	.13802	.24480	.51711
13	Mg	2.8636	3.4899	3.4657	3.0096	3.7496	3.7048
14	Mn	.35290	.50504	.48560	.42501	.52503	.48328
15	Ni	.01156	.01242	.01361	.01143	.01546	.01632
16	K_	3.1728	3.5995	3.5626	3.1356	4.0471	3.9143
17	Se	.00191	-.00063	-.00030	.00314	.00092	-.00092
18	Ag	.00097	.00031	.00046	.00031	.00080	.00088
19	Na	.23195	.56114	.29364	.19578	.21449	.20170
20	Tl	-.00254	.00213	.00479	.00023	-.00268	-.00153
21	V_	.03092	.03404	.03456	.03222	.03689	.03988
22	Zn	.15694	.37556	.28323	.26340	.31683	.32219

-259

#	Element	040'0 5X	IP0'-3MB	IP0'3LCS	040'1 5X	CCV	CCB
		20	-0712	→	1		
1	Al	10.776	.01998	1.9972	10.470	50.441	.05040
2	Sb	.00455	.00142	.48117	.00502	.49754	.00362
3	As	.00942	.00019	2.0388	.00883	.51917	.00179
4	Ba	.27035	-.00001	1.9424	.25081	.48657	.00012
5	Be	.00084	.00004	.05294	.00082	.52048	.00025
6	Cd	.00225	-.00042	.05210	.00334	.50468	-.00013
7	Ca	7.9898	.04407	L.02596	9.0513	52.288	.04181
8	Cr	.02572	.00038	.20222	.02243	.49910	.00041
9	Co	.00866	.00008	.50694	.00831	.49749	.00011
10	Cu	.03587	.00042	.25221	.04187	.50608	.00014
11	Fe	21.039	.02213	.95801	20.397	21.290	.00735
12	Pb	.22861	-.00067	.51536	.23508	.51565	-.00140
13	Mg	3.6342	-.03283	L-.03727	3.5399	52.494	.00143
14	Mn	.47620	.00009	.50938	.44435	.50144	.00019
15	Ni	.01643	.00019	.51188	.01489	.49217	.00090
16	K_	3.6879	.29650	L.28698	4.0192	20.884	.32571
17	Se	.00169	-.00052	2.0342	-.00262	.53561	-.00198
18	Ag	.00132	.00066	L.00047	.00061	.50265	.00092
19	Na	.15988	-.00890	L-.00191	.15916	21.239	-.00018
20	Tl	-.00345	.00126	2.0819	-.00459	.52780	.00182
21	V_	.03767	.00027	.50389	.03222	.51221	.00014
22	Zn	.33985	-.00200	.51437	.67343	.51277	-.00387

-259

#	Element	040'2 5X	040'3 5X	040'4 5X	040'5 5X	040'6 5X	040'7 5X
		2	3	4	5	6	7
1	Al	8.5403	9.5647	7.8181	8.9460	7.4711	12.052
2	Sb	.00555	.00226	.00073	.00005	.00301	.00293
3	As	.00550	.01065	.02888	.01344	.02350	.03684
4	Ba	.26582	.24834	.22924	.22498	.18905	.18532
5	Be	.00086	.00086	.00074	.00083	.00070	.00091
6	Cd	.00291	.00353	.00546	.00480	.00567	.00118
7	Ca	14.463	10.087	7.9604	7.9204	5.8265	5.6418
8	Cr	.01965	.02127	.01823	.02133	.01739	.03041
9	Co	.00673	.00778	.00625	.00706	.00642	.00903
10	Cu	.03940	.04541	.03647	.06072	.03733	.02340
11	Fe	18.397	19.659	18.018	22.613	16.745	23.660
12	Pb	.28255	.24430	.54496	.29891	.26975	.16360
13	Mg	3.5464	3.5211	2.7311	3.3136	2.7002	4.2620
14	Mn	.46344	.44727	.41545	.43783	.39716	.42962
15	Ni	.01403	.01478	.01036	.01322	.01026	.01442
16	K_	4.0556	4.4305	3.3209	4.0420	3:2945	4.1281
17	Se	.00350	-.00131	.00100	-.00213	-.00347	-.00610
18	Ag	.00079	.00129	.00033	.00088	.00052	.00023
19	Na	.15862	.22950	.13118	.14106	.10769	.11806
20	Tl	-.00014	-.00229	-.00002	-.00111	-.00201	.00139
21	V_	.03014	.03196	.02832	.03222	.02689	.03884
22	Zn	.54667	.63114	.45655	.45321	.42328	.16232

-259

#	Element	040'8 5X	040'9 5X	040'0 5X	040'1 5X	CCV	CCB
		8	9	10	11		
1	Al	11.026	11.552	8.3199	8.8514	50.447	.05025
2	Sb	.00421	.00226	.00095	.00362	.49684	.00039
3	As	.03118	.03642	.00851	.00807	.51861	.00136
4	Ba	.17928	.19262	.26851	.22961	.48484	.00012
5	Be	.00082	.00087	.00077	.00078	.51639	.00027
6	Cd	.00106	.00126	.00194	.00192	.49910	-.00013
7	Ca	6.8456	8.7370	9.4704	8.9821	51.917	.04391
8	Cr	.02671	.02653	.01879	.01754	.49574	.00021
9	Co	.00853	.00879	.00689	.00737	.49478	-.00044
10	Cu	.02652	.02277	.04247	.04120	.50414	.00030
11	Fe	21.496	22.516	16.709	18.966	21.118	.01640
12	Pb	.17009	.16440	.30717	.25541	.51239	-.00029
13	Mg	4.1077	4.3581	2.8510	3.0273	52.185	-.00175
14	Mn	.41405	.46849	.54991	.49170	.49853	.00022
15	Ni	.01448	.01477	.01015	.01104	.48568	.00119
16	K_	3.7029	4.0880	3.1149	3.8538	20.892	.30310
17	Se	.00069	.00041	-.00118	-.00093	.52719	.00083
18	Ag	.00048	.00030	.00077	.00130	.50142	.00091
19	Na	.12867	.12598	.13339	.28120	21.289	-.00067
20	Tl	-.00033	-.00286	.00249	-.00052	.52427	.00333
21	V_	.03612	.03728	.02962	.03209	.50935	.00027
22	Zn	.16286	.21861	.35470	.41566	.50729	-.00333

- 259

#	Element	040'2 5X	040'3 5X	040'D 5X	040' 25X	040'S 5X	040'D 5X
		12	13	13D	13L	13MS	13MSD
1	Al	8.3595	9.1540	9.9826	1.8692	13.759	13.545
2	Sb	.00231	-.00075	.00510	.00003	.06097	.06662
3	As	.00714	.01011	.01187	.00252	.41692	.42480
4	Ba	.20817	.22987	.28896	.04595	.63563	.62943
5	Be	.00078	.00078	.00091	.00018	.01138	.01140
6	Cd	.00164	.00162	.00209	-.00005	.01193	.01203
7	Ca	9.6670	6.0141	8.1508	1.1733	6.9364	6.4195
8	Cr	.01611	.01871	.02264	.00360	.06148	.06224
9	Co	.00596	.00653	.00798	.00155	.10707	.10794
10	Cu	.03940	.03603	.04486	.00707	.08877	.08909
11	Fe	16.255	19.574	22.434	3.7381	22.858	23.590
12	Pb	.31619	.28018	.37345	.05596	.40976	.40791
13	Mg	2.7480	3.0545	3.9385	.60399	3.7450	3.6041
14	Mn	.40000	.50730	.64334	.10222	.66633	.64796
15	Ni	.01005	.01170	.01236	.00239	.11227	.11376
16	K_	3.3047	3.2391	3.3557	.89551	3.8149	3.7258
17	Se	.00011	.00190	-.00054	-.00030	.42300	.42552
18	Ag	.00065	.00070	.00111	.00048	.00115	.00051
19	Na	.34376	.16032	.17410	.01880	.21426	.16156
20	Tl	-.00165	.00278	-.00164	.00075	.41747	.41861
21	V_	.02702	.03235	.03547	.00637	.13692	.13627
22	Zn	.33838	.48366	.81453	.09452	.63754	.63301

- 259

#	Element	040'4 5X	040'5 5X	040'6 5X	040'7 5X	CCV	CCB
		14	15	16	17		
1	Al	9.4879	9.9980	12.497	13.265	50.317	.04234
2	Sb	.00246	.00723	.00242	.00204	.49530	-.00081
3	As	.00732	.00999	.07218	.05244	.51765	.00074
4	Ba	.24537	.25036	.19446	.21208	.48382	-.00004
5	Be	.00086	.00085	.00096	.00101	.51732	.00018
6	Cd	.00148	.00175	.00088	.00145	.50035	-.00028
7	Ca	7.1442	7.0346	13.019	9.2479	52.005	.03394
8	Cr	.02111	.02370	.05291	.04952	.49680	-.00052
9	Co	.00759	.00750	.00901	.01197	.49493	-.00069
10	Cu	.04700	.04212	.02571	.03494	.50448	-.00018
11	Fe	21.677	21.918	24.258	36.295	21.143	.00514
12	Pb	.32723	.29817	.12366	.09284	.51633	-.00149
13	Mg	3.3500	3.4371	5.1025	5.3018	52.289	-.01592
14	Mn	.62987	.57410	.47816	.55728	.49878	.00002
15	Ni	.01245	.01312	.01724	.02408	.48959	.00010
16	K_	3.3751	3.4718	4.6953	4.9086	20.844	.28000
17	Se	-.00146	-.00386	-.00618	-.00136	.52941	-.00238
18	Ag	.00076	.00096	.00028	.00058	.50224	-.00004
19	Na	.36845	.19626	.18126	.17029	21.237	-.00452
20	Tl	-.00253	.00105	-.00504	-.00334	.52227	-.00463
21	V_	.03508	.03612	.04014	.04196	.50974	-.00037
22	Zn	.63047	.54707	.18705	.21418	.50876	-.00413

-259

#	Element	040'8 5X	040'9 5X	040'0 5X	040'A 5X	CRI	ICSA
		18	19	20	13A		
1	Al	13.534	14.463	13.085	9.0709	.45656	498.54
2	Sb	.00454	.00469	.00685	.95884	.13422	.00539
3	As	.04343	.00746	.00822	1.0290	.01234	.00427
4	Ba	.21028	.21579	.19435	.22707	.39610	.00107
5	Be	.00101	.00102	.00097	1.0317	.01056	.00142
6	Cd	.00146	.00127	.00133	1.0130	.01010	.00046
7	Ca	9.4798	8.0456	7.1117	6.9069	9.6406	517.21
8	Cr	.04630	.02516	.02354	1.0171	.02014	-.00056
9	Co	.01072	.00964	.00950	1.0085	.10158	.00368
10	Cu	.03538	.02921	.02797	1.0337	.05099	.00020
11	Fe	25.904	27.322	24.448	20.375	.18168	208.09
12	Pb	.15416	.13726	.11482	1.2965	.00501	.00035
13	Mg	5.1585	4.7327	4.3793	4.0253	10.102	524.77
14	Mn	.51299	.51497	.47169	1.5006	.03125	.00820
15	Ni	.01866	.01645	.01600	1.0022	.08329	.00504
16	K_	4.7498	4.9198	4.6501	3.2464	9.2272	.46403
17	Se	.00000	.00114	-.00077	1.0317	.00905	-.00102
18	Ag	.00068	.00063	.00082	.00099	.02014	.00015
19	Na	.16218	.11811	.16494	.14825	9.2209	.25771
20	Tl	.00118	-.00033	-.00094	1.0350	.02268	-.00200
21	V_	.04456	.04495	.04222	1.0513	.10353	.00507
22	Zn	.37783	.18665	.17066	1.4840	.04668	.01540

-260

#	Element	ICSAB	CCV	CCB	IPO'-4MB	IPO'4LCS	040'1 5X
					-0712	→	1
1	Al	498.28	50.052	.06359	.03223	1.9962	13.127
2	Sb	.58528	.49036	.00189	-.00044	.47680	.00145
3	As	.09849	.51242	.00050	.00086	2.0140	.00953
4	Ba	.46959	.47882	.00002	-.00009	1.9224	.20591
5	Be	.47379	.50726	.00021	.00004	.05205	.00101
6	Cd	.89680	.48771	-.00011	-.00035	.05066	.00110
7	Ca	516.79	51.118	.05233	.05818	L.05606	7.9329
8	Cr	.45504	.48759	.00010	-.00022	.19940	.02283
9	Co	.45784	.48444	.00023	.00014	.49721	.00985
10	Cu	.53103	.50062	.00020	.00003	.24879	.02549
11	Fe	207.43	20.717	.01866	.00899	.96275	23.781
12	Pb	.04847	.50489	-.00068	-.00072	.51182	.10376
13	Mg	522.95	51.350	.01080	-.02882	L-.03157	4.4061
14	Mn	.47409	.49107	.00011	-.00002	.50106	.49115
15	Ni	.87967	.47801	.00069	.00091	.50112	.01553
16	K_	.26965	20.853	.28364	.21801	L.26595	4.6319
17	Se	.04852	.52486	.00296	-.00256	2.0471	.00467
18	Ag	.20687	.49769	.00079	.00081	L.00061	.00082
19	Na	.12107	21.288	-.00485	-.01038	L.00217	.12073
20	Tl	.09379	.52240	.00151	.00090	2.0455	.00006
21	V_	.48555	.50298	.00014	-.00024	.49543	.04131
22	Zn	.91455	.49594	-.00360	-.00267	.50342	.14496

-260

#	Element	040'2 5X	040'3 5X	040'4 5X	040'5 5X	040'6 5X	040'7 5X
		2	3	4	5	6	7
1	Al	12.407	12.600	12.027	11.609	11.366	10.983
2	Sb	.00343	.00080	.00214	.00384	.00320	.00047
3	As	.01220	.01155	.00922	.00519	.00572	.00814
4	Ba	.24231	.23792	.23508	.18518	.17842	.17786
5	Be	.00100	.00098	.00093	.00085	.00085	.00084
6	Cd	.00078	.00041	.00085	.00115	.00114	.00120
7	Ca	8.8583	11.226	9.2323	6.3348	5.7530	6.1936
8	Cr	.02635	.03121	.02398	.02541	.02176	.02145
9	Co	.00968	.00955	.00915	.00826	.00860	.00757
10	Cu	.03202	.03690	.02831	.02287	.02318	.02236
11	Fe	24.067	28.134	22.748	22.270	21.537	21.232
12	Pb	.10974	.10421	.12006	.15561	.15007	.12845
13	Mg	4.5741	5.0281	4.3039	4.0136	3.7868	3.8383
14	Mn	.47220	.53880	.43864	.38128	.39082	.39821
15	Ni	.01828	.01755	.01620	.01460	.01431	.01357
16	K_	4.4936	4.5029	4.4302	3.6279	3.5911	3.5082
17	Se	.00171	-.00187	-.00007	.00163	-.00105	.00273
18	Ag	.00023	.00031	.00057	.00081	.00108	.00022
19	Na	.16803	.16733	.18059	.12269	.13342	.12395
20	Tl	-.00133	-.00455	.00193	-.00128	-.00066	-.00195
21	V_	.03988	.04053	.03897	.03806	.03780	.03702
22	Zn	.20787	.21539	.25522	.29608	.26728	.22988

-260 -260

#	Element	040'8 5X	CCV	CCB	040'9 5X	040'0 5X	040'1 5X
		8			9	10	11
1	Al	12.746	49.683	.07758	12.217	12.155	10.373
2	Sb	.00405	.48782	.00157	.00150	.00508	.00454
3	As	.00561	.51208	-.00076	.00902	.00951	.01528
4	Ba	.23229	.48007	.00001	.22335	.22968	.28395
5	Be	.00098	.50536	.00025	.00096	.00098	.00081
6	Cd	.00120	.49097	-.00040	.00171	.00142	.00131
7	Ca	12.926	50.988	.05785	14.349	14.535	7.0043
8	Cr	.02262	.48793	-.00029	.02208	.02358	.01854
9	Co	.00877	.48690	-.00051	.00923	.01200	.00798
10	Cu	.02865	.49708	-.00025	.02924	.02926	.02444
11	Fe	24.432	20.739	.01356	24.742	24.689	19.850
12	Pb	.13765	.50401	-.00040	.22895	.14294	.25670
13	Mg	4.7011	51.263	.01600	4.4782	4.7689	3.4351
14	Mn	.51398	.49032	.00009	.48181	.51241	.39110
15	Ni	.01750	.48005	.00056	.01621	.01866	.01227
16	K_	4.7119	20.735	.29580	4.5959	4.5562	3.8017
17	Se	.00216	.52890	-.00153	.00066	-.00020	-.00066
18	Ag	-.00008	.49624	.00041	.00005	.00084	.00068
19	Na	.25148	21.092	-.00514	.18951	.18062	.13836
20	Tl	-.00380	.51693	.00067	-.00110	.00042	.00193
21	V_	.04456	.50038	-.00011	.04391	.04404	.03689
22	Zn	.28523	.49594	-.00360	.20599	.20518	.20841

-260

#	Element	040'D 5X	040' 25X	040'S 5X	040'D 5X	040'2 5X	040'3 5X
		11D	11L	11MS	11MSD	12	13
1	Al	10.276	2.1585	14.904	14.640	9.7891	9.7414
2	Sb	.00300	.00395	.05883	.05755	.00249	.00175
3	As	.01271	.00396	.41317	.41995	.01741	.01762
4	Ba	.28173	.05752	.68611	.70917	.16810	.18950
5	Be	.00079	.00018	.01112	.01122	.00075	.00075
6	Cd	.00131	-.00002	.01133	.01122	.00140	.00131
7	Ca	7.3870	1.3582	6.9722	7.8455	5.5544	6.1295
8	Cr	.01754	.00348	.06015	.05991	.01924	.01876
9	Co	.00736	.00181	.10491	.10613	.00757	.00711
10	Cu	.02631	.00473	.07512	.07514	.02523	.02348
11	Fe	19.609	3.7800	22.036	21.270	19.615	19.087
12	Pb	.26004	.05236	.37248	.36394	.27835	.28449
13	Mg	3.3986	.68348	3.8856	3.7880	3.1269	3.2167
14	Mn	.39294	.07893	.50858	.49475	.41302	.40938
15	Ni	.01245	.00244	.11190	.11288	.01255	.01208
16	K_	3.7857	1.0183	4.2506	4.2081	3.4274	3.6610
17	Se	-.00134	-.00235	.42140	.41938	.00250	-.00046
18	Ag	.00055	.00086	.00037	.00055	.00052	.00009
19	Na	.13563	.01160	.15523	.15890	.07510	.34003
20	Tl	-.00147	-.00014	.41647	.40750	-.00463	.00048
21	V_	.03495	.00780	.13666	.13822	.03287	.03183
22	Zn	.21646	.03892	.32259	.32741	.25401	.22397

-260 260

#	Element	040'4 5X	CCV	CCB	040'5 5X	040'6 5X	040'7 5X
		14			15	16	17
1	Al	10.902	50.049	.08355	10.829	10.895	10.193
2	Sb	.00180	.49432	-.00043	.00056	.00209	.00491
3	As	.07824	.51256	.00284	.06083	.12428	.01150
4	Ba	.28513	.48379	.00007	.31226	.29345	.19225
5	Be	.00090	.50335	.00025	.00091	.00093	.00086
6	Cd	.00260	.48997	-.00033	.00331	.00304	.00146
7	Ca	7.1795	50.829	.06029	8.2152	10.540	6.6085
8	Cr	.02982	.48714	-.00005	.03140	.03314	.02518
9	Co	.00823	.48360	-.00026	.00818	.00889	.00723
10	Cu	.04983	.50054	-.00023	.05792	.05342	.03205
11	Fe	21.762	20.715	.01869	22.064	22.322	19.565
12	Pb	.28568	.50605	-.00028	.32903	.31369	.24003
13	Mg	3.5693	51.210	.02273	3.6425	3.7325	3.4096
14	Mn	.61174	.48988	.00016	.70241	.66298	.43695
15	Ni	.01353	.47864	-.00005	.01477	.01424	.01341
16	K_	3.9109	20.990	.26773	3.9611	4.0141	3.3591
17	Se	-.00385	.52244	-.00040	-.00081	-.00339	.00033
18	Ag	.00171	.49819	.00057	.00177	.00204	.00077
19	Na	.14957	21.433	-.00574	.12593	.13253	.14386
20	Tl	-.00510	.51663	.00218	.00210	-.00254	-.00377
21	V_	.03404	.50103	.00014	.03469	.03378	.03261
22	Zn	.56816	.49260	-.00373	.70450	.66956	.25468

#	Element	040'8 5X	040'9 5X	040'0 5X	040'A 5X	CRI	ICSA
1	Al	10.245	9.7751	10.144	10.465	.46881	493.50
2	Sb	.00357	-.00018	.00143	.95226	.13548	.01547
3	As	.01351	.01116	.00480	1.0164	.00904	.00023
4	Ba	.20752	.19645	.14821	.28572	.39637	.00111
5	Be	.00084	.00081	.00079	1.0088	.01044	.00142
6	Cd	.00154	.00135	.00094	.99552	.00993	-.00060
7	Ca	6.5180	8.3237	5.5036	7.8942	9.5466	510.38
8	Cr	.02601	.02405	.02371	.99743	.01971	-.00052
9	Co	.00770	.00702	.00790	.98894	.10092	.00347
10	Cu	.03510	.03074	.02134	1.0073	.04983	-.00055
11	Fe	19.656	18.309	20.000	20.759	.17743	206.15
12	Pb	.32250	.25705	.08654	1.2613	.00704	-.00062
13	Mg	3.3349	3.3689	3.5090	4.4016	10.003	519.34
14	Mn	.44229	.44072	.36509	1.3707	.03094	.00809
15	Ni	.01382	.01188	.01359	.99017	.08298	.00485
16	K_	3.3846	3.3519	3.7954	3.8512	9.2768	.45067
17	Se	.00089	.00001	.00137	1.0312	.01077	.00321
18	Ag	.00130	.00050	.00059	.00035	.01957	.00035
19	Na	.15492	.13170	.07796	.13511	9.2820	.25375
20	Tl	-.00111	-.00079	.00105	1.0162	.02031	-.00833
21	V_	.03313	.03079	.03326	1.0361	.10263	.00520
22	Zn	.32071	.28175	.13082	1.1951	.04559	.01622

#	Element	ICSAB	CCV	CCB
1	Al	490.70	49.906	.11079
2	Sb	.58997	.49648	.00188
3	As	.10420	.50855	.00081
4	Ba	.46842	.48338	.00010
5	Be	.46801	.50062	.00034
6	Cd	.89568	.48941	-.00012
7	Ca	512.41	50.815	.08191
8	Cr	.45172	.48555	-.00022
9	Co	.45491	.48353	.00004
10	Cu	.52476	.49915	-.00060
11	Fe	205.85	20.645	.02213
12	Pb	.04664	.50518	.00011
13	Mg	518.57	51.091	.04668
14	Mn	.47078	.48894	.00012
15	Ni	.87975	.48042	.00016
16	K_	.28547	20.976	.30240
17	Se	.04487	.52488	-.00099
18	Ag	.20570	.49671	.00048
19	Na	.11465	21.430	-.00522
20	Tl	.09199	.51632	.00095
21	V_	.48087	.49921	.00001
22	Zn	.90654	.49234	-.00347

Calibration Report SW 7/13/04 computer date set incorrectly 07/12/04 08:57:44 AM

Method: TRACE Standard Name: BLANK T40713A Operator:

Run Time: ~~07/12/04~~ 08:56:27

Comment: 07/13/04

Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.3599820	-.041998	-.325484	.2804860	-.029999	.8819559	-.001500
SDev	.1230304	.059394	.159091	.0784849	.063636	.0042425	.000000
%RSD	34.17683	141.4214	48.87835	27.98177	212.1320	.4810286	.0000000
#1	.2729863	.0000000	-.437978	.3359832	-.074996	.8849558	-.001500
#2	.4469777	-.083996	-.212989	.2249887	.0149993	.8789560	-.001500
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.2594870	.0524974	.0824959	-.026999	-.003750	.2594870	-.016499
SDev	.0021212	.0021212	.0021212	.004242	.022273	.0084849	.019091
%RSD	.8174705	4.040610	2.571297	15.71349	593.9697	3.269858	115.7084
#1	.2579871	.0509974	.0839958	-.023999	.0119994	.2654867	-.003000
#2	.2609869	.0539973	.0809959	-.029999	-.019499	.2534873	-.029999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	14.26878	.0269986	.0112494	9.824509	-.041248	-.064497	.0029999
SDev	.10394	.0169697	.0010606	.072122	.001061	.044546	.0042424
%RSD	.7284399	62.85393	9.428090	.7340997	2.571297	69.06624	141.4214
#1	14.19529	.0389980	.0119994	9.875506	-.040498	-.095995	.0059997
#2	14.34228	.0149993	.0104995	9.773511	-.041998	-.032998	.0000000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl
Avge	.0959952	-.066747	.0000000	.0000000	-.037498
SDev	.0042424	.026515	.0000000	.0000000	.010606
%RSD	4.419417	39.72510	.0000000	.0000000	28.28427
#1	.0989950	-.047998	.0000000	.0000000	-.029999
#2	.0929954	-.085496	.0000000	.0000000	-.044998
Factor	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: TRACE Standard Name: A 1/100 Operator:
Run Time: 07/12/04 08:58:08
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	1.472176	3.985301	.2144893	16.25769	3.781311	35.37423
SDev	.001061	.010606	.0021212	.00636	.002121	.02970
%RSD	.0720476	.2661280	.9889629	.0391394	.0560961	.0839471
#1	1.471426	3.977801	.2159892	16.25319	3.779811	35.35323
#2	1.472926	3.992800	.2129893	16.26219	3.782811	35.39523
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: TRACE Standard Name: A 1/10 Operator:
Run Time: 07/12/04 08:59:31
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	28.91406	39.73451	4.495275	18.62907	37.76811	66.61166
SDev	.09121	.14636	.065758	.02970	.21212	.40303
%RSD	.3154562	.3683536	1.462814	.1594122	.5616397	.6050428
#1	28.97855	39.83801	4.541773	18.65007	37.91810	66.89665
#2	28.84956	39.63102	4.448778	18.60807	37.61812	66.32668
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: TRACE Standard Name: BLANK Operator:
Run Time: 07/12/04 09:02:03
Comment:
Correction Factor: 1

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

Avge	.4094795	.0164992	-.478476	.2849857	-.044998	.9449527	.0014999
SDev	.2354548	.1506062	.116667	.1103032	.038182	.0296970	.0021212
%RSD	57.50099	912.8105	24.38299	38.70480	84.85281	3.142698	141.4214
#1	.2429878	.1229939	-.560972	.3629819	-.071996	.9659517	.0000000
#2	.5759712	-.089996	-.395980	.2069896	-.017999	.9239538	.0029999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.2624869	.1484926	.0479976	-.009000	-.007500	.2534873	.0014999
SDev	.0021212	.0360606	.0021212	.006364	.021212	.0106061	.0190909
%RSD	.8081200	24.28447	4.419417	70.71068	282.8427	4.184065	1272.792
#1	.2639868	.1739913	.0464977	-.004500	.0074996	.2459877	.0149993
#2	.2609869	.1229939	.0494975	-.013499	-.022499	.2609869	-.011999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	14.45028	.1019949	.0074996	8.879556	-.053247	.0149993	.0000000
SDev	.07636	.1103031	.0000000	.169697	.018030	.0339394	.0084849
%RSD	.5284559	108.1457	.0000000	1.911102	33.86145	226.2742	.0000000
#1	14.50427	.1799910	.0074996	8.999550	-.040498	.0389980	.0059997
#2	14.39628	.0239988	.0074996	8.759562	-.065997	-.009000	-.006000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl
Avge	.0599970	-.169492	.0000000	.0000000	-.038998
SDev	.0084849	.099697	.0000000	.0000000	.021212
%RSD	14.14213	58.82127	.0000000	.0000000	54.39283
#1	.0659967	-.098995	.0000000	.0000000	-.053997
#2	.0539973	-.239988	.0000000	.0000000	-.023999
Factor	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: TRACE Standard Name: RLSTD Operator:
Run Time: 07/12/04 09:03:35
Comment:
Correction Factor: 1

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

Avge	.4529774	.1919904	-.184491	.3584821	.0974951	1.472926	.1889905
SDev	.1060607	.1272729	.142121	.0318182	.0318182	.014849	.0042424
%RSD	23.41413	66.29126	77.03440	8.875818	32.63570	1.008095	2.244783
#1	.5279736	.1019949	-.284986	.3359832	.0749963	1.462427	.1859907
#2	.3779811	.2819859	-.083996	.3809809	.1199940	1.483426	.1919904
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.3809809	4.043798	.2137393	.0344983	.1739913	.3734813	.2264887
SDev	.0000000	.000000	.0116667	.0000000	.0254546	.0106061	.0106061
%RSD	.0000000	.0000000	5.458369	.0000000	14.62979	2.839785	4.682828
#1	.3809809	4.043798	.2219889	.0344983	.1559922	.3659817	.2189890
#2	.3809809	4.043798	.2054897	.0344983	.1919904	.3809809	.2339883
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	16.38068	3.862307	.1807410	34.01530	.2407380	.1619919	.0314984
SDev	.07000	.031818	.0010606	.01697	.0095455	.0042424	.0021212
%RSD	.4273338	.8238127	.5868149	.0498874	3.965083	2.618914	6.734350
#1	16.43018	3.839808	.1799910	34.02730	.2339883	.1589920	.0299985
#2	16.33118	3.884806	.1814909	34.00330	.2474876	.1649917	.0329984
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Tl
Avge	.1109944	.0599970	-.010499
SDev	.0042424	.0063636	.010606
%RSD	3.822198	10.60660	101.0153
#1	.1139943	.0554972	-.003000
#2	.1079946	.0644968	-.017999
Factor	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: TRACE Standard Name: A 1/100 Operator:
Run Time: 07/12/04 09:04:59
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na

Avge	28.98680	39.72851	4.493775	18.56607	37.85361	65.54972
SDev	.00742	.12939	.004242	.09758	.14212	.34788
%RSD	.0256137	.3256961	.0944047	.5255592	.3754478	.5307087
#1	28.98155	39.82001	4.496775	18.63507	37.95410	65.30373
#2	28.99205	39.63702	4.490776	18.49707	37.75311	65.79571
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: TRACE Standard Name: A 1/10 Operator:
Run Time: 07/12/04 09:06:24
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	290.5100	380.7559	43.46033	68.01559	381.9784	695.7237
SDev	2.0533	1.9685	.20576	.35212	1.9876	2.5518
%RSD	.7068000	.5169969	.4734376	.5177103	.5203364	.3667871
#1	289.0580	379.3640	43.31484	67.76661	380.5730	693.9193
#2	291.9619	382.1479	43.60582	68.26459	383.3838	697.5281
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: TRACE Standard Name: A 1/2 Operator:
Run Time: 07/12/04 09:07:44
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	1436.664	1698.691	198.9710	318.7086	1900.807	3380.949
SDev	.488	1.262	.2206	.1379	2.024	1.266
%RSD	.0339580	.0742998	.1108779	.0432655	.1064606	.0374530
#1	1437.009	1697.798	198.8151	318.6110	1899.376	3381.845

#2	1436.319	1699.583	199.1270	318.8061	1902.238	3380.054
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: TRACE Standard Name: MIXAHIGH Operator:
Run Time: 07/12/04 09:09:07
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	2742.559	3046.595	373.2623	612.7613	3689.442	6052.664
SDev	.920	10.142	1.0309	1.4212	9.272	28.685
%RSD	.0335629	.3328807	.2761929	.2319345	.2513063	.4739256
#1	2741.908	3039.424	372.5334	613.7663	3682.886	6072.947
#2	2743.210	3053.766	373.9913	611.7564	3695.998	6032.380
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: TRACE Standard Name: B 1/100 Operator:
Run Time: 07/12/04 09:10:42
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	5.266236	4.577771	1.847908	2.237888	2.090895	9.035547	11.74741
SDev	.082728	.033939	.033939	.224849	.029697	.025455	.05939
%RSD	1.570904	.7413944	1.836641	10.04736	1.420301	.2817170	.5055923
#1	5.324734	4.553772	1.871906	2.078896	2.111894	9.053547	11.78941
#2	5.207739	4.601770	1.823909	2.396880	2.069897	9.017549	11.70542
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb

Avge	13.53832	2.402880	6.798410	4.979001	8.296085	5.794210	.4049798
SDev	.19727	.014849	.064697	.015909	.029697	.021212	.0042424
%RSD	1.457144	.6179461	.9516504	.3195271	.3579641	.3660896	1.047568
#1	13.67782	2.413379	6.844158	4.990251	8.317084	5.809209	.4019799
#2	13.39883	2.392380	6.752662	4.967752	8.275086	5.779211	.4079796
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	1.159442	1.153442	3.077846	.4754762
SDev	.006364	.006364	.097576	.0106061
%RSD	.5488489	.5517037	3.170264	2.230619
#1	1.163942	1.157942	3.146843	.4679766
#2	1.154942	1.148943	3.008850	.4829758
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: TRACE Standard Name: B 1/10 Operator:
Run Time: 07/12/04 09:12:03
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	47.64662	46.31618	23.27734	20.88796	20.44098	89.43828	113.8758
SDev	.17394	.07424	.16333	.24182	.02545	.14106	.0827
%RSD	.3650606	.1602906	.7016819	1.157690	.1245244	.1577212	.0726486
#1	47.52362	46.36868	23.39283	20.71696	20.42298	89.33853	113.8173
#2	47.76961	46.26369	23.16184	21.05895	20.45898	89.53803	113.9343
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	133.6396	24.06180	67.16214	46.73241	82.00315	57.98635	5.048747
SDev	.0583	.03606	.04454	.15591	.05621	.01591	.046667
%RSD	.0436542	.1498704	.0663243	.3336163	.0685508	.0274362	.9243219
#1	133.6808	24.03630	67.13065	46.62217	81.96340	57.99760	5.015749
#2	133.5983	24.08730	67.19364	46.84266	82.04290	57.97510	5.081746
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	11.53742	11.25694	31.95665	5.158242

SDev	.00000	.02333	.06682	.023334
%RSD	.0000000	.2072841	.2090871	.4523539
#1	11.53742	11.24044	31.90940	5.174741
#2	11.53742	11.27344	32.00390	5.141743
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: TRACE Standard Name: MIXBHIGH Operator:
Run Time: 07/12/04 09:13:25
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	469.1960	461.5224	232.7299	204.9123	196.8187	845.2077	1046.331
SDev	.6045	.3415	.5494	.1464	.1506	1.2070	1.746
%RSD	.1288461	.0740016	.2360657	.0714261	.0765232	.1428012	.1668455
#1	468.7686	461.7639	232.3414	205.0157	196.9252	846.0612	1045.097
#2	469.6235	461.2809	233.1183	204.8088	196.7122	844.3542	1047.566
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	1280.842	237.4779	661.6762	463.6905	780.1875	569.0273	50.43048
SDev	.037	.1559	.3087	.1856	.0763	.4168	.26303
%RSD	.0028978	.0656523	.0466495	.0400273	.0097857	.0732519	.5215669
#1	1280.816	237.3676	661.8944	463.5593	780.1335	568.7325	50.24449
#2	1280.868	237.5881	661.4579	463.8218	780.2415	569.3220	50.61647
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	113.9328	108.5706	312.5566	51.77891
SDev	.0148	.1103	.7901	.16334
%RSD	.0130309	.1015948	.2528001	.3154480
#1	113.9433	108.4926	311.9979	51.66341
#2	113.9223	108.6486	313.1153	51.89440
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: TRACE
Mode: Concentration
Standards Table: 6010I
Data File: 6010CAL

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
2203/1	220.351	07/12/04 09:15	Full Fit	1.000000
2203/2	220.352/2	07/12/04 09:16	Full Fit	1.000000
1960/1	196.021	07/12/04 09:16	Full Fit	1.000000
1960/2	196.022/2	07/12/04 09:16	Full Fit	1.000000
Ag	328.068	07/12/04 09:16	Full Fit	1.000000
Al	308.215	07/12/04 09:16	Full Fit	1.000000
Ba	493.409	07/12/04 09:16	Full Fit	1.000000
Be	313.042	07/12/04 09:16	Full Fit	1.000000
Ca	317.933	07/12/04 09:16	Full Fit	1.000000
Cd	226.502/2	07/12/04 09:16	Full Fit	1.000000
Co	228.616	07/12/04 09:16	Full Fit	1.000000
Cr	267.716	07/12/04 09:16	Full Fit	1.000000
Cu	324.753	07/12/04 09:16	Full Fit	1.000000
Fe	271.441	07/12/04 09:16	Full Fit	1.000000
K_	766.491	07/12/04 09:16	Full Fit	.999998
Mg	279.078	07/12/04 09:16	Full Fit	1.000000
Mn	257.610	07/12/04 09:16	Full Fit	1.000000
Na	588.991	07/12/04 09:16	Full Fit	1.000000
Ni	231.604/2	07/12/04 09:16	Full Fit	1.000000
Sb	206.838/2	07/12/04 09:16	Full Fit	1.000000
V_	292.402	07/12/04 09:16	Full Fit	1.000000
Zn	206.200	07/12/04 09:16	Full Fit	1.000000
As	189.042/2	07/12/04 09:16	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	07/12/04 09:16	Full Fit	1.000000

Analysis Report QC Standard 07/12/04 09:19:36 AM page 1

Method: TRACE Sample Name: MIXBHIGH Operator: SW
Run Time: 07/12/04 09:17:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	9.9020	9.9192	9.9846	9.9739	1.9946	.09808	10.010
SDev	.0330	.0057	.0036	.0144	.0034	.00358	.012
%RSD	.33290	.05760	.03623	.14424	.16995	3.6538	.12396
#1	9.9253	9.9152	9.9872	9.9638	1.9922	.09555	10.019
#2	9.8787	9.9232	9.9821	9.9841	1.9970	.10062	10.002
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	10.065	.04375	9.9927	10.030	10.010	10.069	-.01892
SDev	.034	.00000	.0385	.030	.018	.002	.00106
%RSD	.34232	.00000	.38560	.30143	.17809	.01617	5.5986
#1	10.041	.04375	9.9655	10.008	9.9977	10.071	-.01967
#2	10.089	.04375	10.020	10.051	10.023	10.068	-.01817
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	.13943	-.03897	10.016	.06597	10.007	2.0186	10.026
SDev	.02609	.00179	.023	.00089	.030	.0084	.021
%RSD	18.711	4.6037	.22560	1.3470	.29576	.41370	.20524
#1	.12098	-.04024	10.000	.06660	9.9857	2.0245	10.012
#2	.15788	-.03770	10.032	.06535	10.028	2.0127	10.041
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	10.005	10.026	9.9135	9.9775	10.009
SDev	.055	.031	.0072	.0084	.030
%RSD	.54874	.31038	.07228	.08411	.30432
#1	9.9659	10.004	9.9186	9.9716	9.9873
#2	10.043	10.048	9.9084	9.9834	10.030
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	10.000	10.000	10.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Method: TRACE Sample Name: MIXAHIGH Operator: SW
Run Time: 07/12/04 09:19:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.03912	.02553	-.00789	.00341	.00084	499.75	.00237
SDev	.00945	.00613	.01183	.00898	.00017	2.70	.00013
%RSD	24.160	24.013	149.92	263.14	20.197	.54027	5.4777
#1	-.04580	.02986	.00047	-.00294	.00096	497.84	.00246
#2	-.03244	.02119	-.01625	.00977	.00072	501.66	.00228
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	.00237	500.43	.00041	.00493	.00545	.00448	200.94
SDev	.00011	1.71	.00048	.00048	.00069	.00031	1.02
%RSD	4.6788	.34221	117.60	9.8085	12.746	6.8363	.50942
#1	.00245	499.22	.00075	.00527	.00594	.00470	200.22
#2	.00229	501.64	.00007	.00459	.00495	.00427	201.67
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	100.28	501.83	.00861	99.824	.00463	.01715	.00573
SDev	.45	1.16	.00009	.110	.00049	.00052	.00055
%RSD	.45211	.23067	1.0463	.10987	10.636	3.0092	9.6221
#1	99.955	501.01	.00867	99.746	.00498	.01678	.00612
#2	100.60	502.65	.00855	99.902	.00428	.01751	.00534
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01141	.00412	.00400	-.00035	-.00089
SDev	.00078	.00880	.00094	.00205	.00207
%RSD	6.8363	213.68	23.535	587.17	232.74
#1	.01196	-.00210	.00467	-.00180	-.00235
#2	.01086	.01033	.00334	.00110	.00057
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value					
Range					

Analysis Report QC Standard 07/12/04 09:25:12 AM

Method: TRACE Sample Name: ICV Operator: SW
Run Time: 07/12/04 09:22:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.23813	.25454	.25279	.25038	.24155	24.487	.24112
SDev	.00127	.00131	.00253	.00288	.00091	.075	.00001
%RSD	.53384	.51395	1.0009	1.1521	.37668	.30736	.00491
#1	.23903	.25546	.25457	.25242	.24091	24.434	.24113
#2	.23724	.25361	.25100	.24834	.24220	24.540	.24111
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	.25496	24.814	.24454	.24309	.24452	.24715	10.164
SDev	.00011	.037	.00057	.00053	.00041	.00068	.039
%RSD	.04362	.15056	.23184	.21725	.16786	.27623	.37979
#1	.25488	24.787	.24413	.24272	.24423	.24667	10.136
#2	.25504	24.840	.24494	.24347	.24481	.24763	10.191
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	9.9361	25.262	.24649	10.088	.24094	.25424	.25193
SDev	.0504	.030	.00021	.065	.00161	.00072	.00073
%RSD	.50704	.11841	.08375	.64104	.66619	.28517	.29183
#1	9.9004	25.241	.24634	10.042	.23981	.25373	.25141
#2	9.9717	25.283	.24663	10.134	.24208	.25475	.25245
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.24504	.25302	.24907	.25118	.25418
SDev	.00038	.00444	.00130	.00277	.00002
%RSD	.15477	1.7537	.52028	1.1014	.00589
#1	.24531	.24989	.24999	.25314	.25417
#2	.24477	.25616	.24816	.24923	.25419
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	.25000	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: ICB Operator: SW
Run Time: 07/12/04 09:25:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00317	.00009	.00268	-.00060	.00095	.01041	.00029
SDev	.00177	.00137	.00227	.00246	.00025	.00315	.00007
%RSD	55.715	1456.9	84.910	408.93	25.941	30.287	24.244
#1	.00442	.00106	.00428	-.00234	.00078	.01264	.00034
#2	.00192	-.00087	.00107	.00114	.00112	.00818	.00024
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	.00046	.02804	.00022	-.00001	.00018	.00075	-.00094
SDev	.00007	.00225	.00011	.00009	.00003	.00019	.00090
%RSD	16.155	8.0332	50.273	695.26	17.442	25.949	95.306
#1	.00051	.02963	.00014	-.00007	.00016	.00061	-.00031
#2	.00041	.02644	.00030	.00005	.00020	.00088	-.00158
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	.26219	-.01740	.00026	.01995	.00088	.00242	.00014
SDev	.02519	.00239	.00001	.00061	.00004	.00049	.00037
%RSD	9.6085	13.745	5.0141	3.0442	4.1477	20.328	258.74
#1	.24438	-.01571	.00027	.02038	.00090	.00207	-.00012
#2	.28000	-.01910	.00025	.01952	.00085	.00277	.00040
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00267	.00098	.00112	.00049	-.00000
SDev	.00038	.00230	.00150	.00088	.00084
%RSD	14.095	233.86	134.20	179.33	61239.
#1	-.00241	-.00064	.00218	-.00013	-.00060
#2	-.00294	.00261	.00006	.00111	.00060
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: CRI Operator: SW
Run Time: 07/12/04 09:27:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00866	.00328	.01618	.00759	.01989	.43663	.39411
SDev	.00223	.00272	.00841	.00476	.00026	.00292	.00039
%RSD	25.803	82.829	51.987	62.685	1.3171	.66764	.09918
#1	.00708	.00136	.01023	.00423	.01971	.43457	.39383
#2	.01024	.00520	.02212	.01096	.02008	.43869	.39438
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	.01066	9.5077	.01018	.10130	.01981	.05043	.17249
SDev	.00002	.0375	.00002	.00040	.00010	.00005	.00170
%RSD	.17559	.39481	.15386	.39099	.47773	.08892	.98834
#1	.01067	9.4811	.01017	.10102	.01974	.05039	.17128
#2	.01065	9.5342	.01019	.10158	.01988	.05046	.17369
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	8.9479	9.9318	.03102	8.8786	.08150	.12862	.10276
SDev	.0041	.0258	.00017	.0106	.00053	.00338	.00037
%RSD	.04625	.26015	.53952	.11895	.64894	2.6318	.35758
#1	8.9509	9.9136	.03090	8.8861	.08113	.13101	.10250
#2	8.9450	9.9501	.03114	8.8712	.08188	.12622	.10302
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.04397	.00962	.00507	.01045	.02179
SDev	.00000	.00020	.00256	.00598	.00126
%RSD	.00000	2.1054	50.409	57.171	5.7702
#1	.04397	.00976	.00326	.00623	.02268
#2	.04397	.00948	.00688	.01468	.02090
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: ICSA Operator: SW
Run Time: 07/12/04 09:30:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.03697	.01883	-.01785	.00708	.00080	489.24	.00092
SDev	.00797	.00047	.00231	.00041	.00038	1.50	.00001
%RSD	21.557	2.4920	12.940	5.8411	47.022	.30695	1.2857
#1	-.03134	.01916	-.01948	.00679	.00107	488.18	.00091
#2	-.04261	.01850	-.01622	.00737	.00054	490.30	.00093
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	.00135	511.51	-.00074	.00363	.00030	.00040	205.99
SDev	.00004	.41	.00035	.00013	.00014	.00030	.26
%RSD	2.7703	.07959	47.047	3.6385	46.766	75.222	.12730
#1	.00137	511.22	-.00099	.00372	.00040	.00019	205.80
#2	.00132	511.80	-.00049	.00353	.00020	.00061	206.17
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	.30641	516.52	.00785	.18009	.00357	.00622	.00521
SDev	.01550	.41	.00003	.00036	.00035	.00045	.00055
%RSD	5.0593	.08018	.32768	.20149	9.6932	7.1867	10.582
#1	.31737	516.23	.00784	.17983	.00382	.00653	.00482
#2	.29545	516.81	.00787	.18034	.00333	.00590	.00560
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01017	.00488	.00025	-.00122	.00027
SDev	.00019	.00132	.00297	.00104	.00033
%RSD	1.9199	27.007	1196.4	85.463	122.86
#1	.01031	.00395	.00235	-.00196	.00050
#2	.01003	.00581	-.00185	-.00048	.00003
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	.04000	.02000	.00600	.01000	.02000

Method: TRACE Sample Name: ICSAB Operator: SW
Run Time: 07/12/04 09:32:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00699	.07022	.03633	.05331	.20601	496.52	.47234
SDev	.00159	.00398	.00296	.00402	.00021	.20	.00004
%RSD	22.800	5.6650	8.1538	7.5387	.10241	.03988	.00753
#1	.00586	.07303	.03423	.05047	.20616	496.38	.47232
#2	.00811	.06740	.03842	.05615	.20586	496.66	.47237
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	.47588	513.50	.89100	.45545	.45272	.53461	207.26
SDev	.00041	.86	.00064	.00013	.00047	.00078	.09
%RSD	.08637	.16830	.07157	.02901	.10467	.14566	.04328
#1	.47617	514.11	.89055	.45554	.45305	.53406	207.33
#2	.47559	512.89	.89145	.45535	.45238	.53516	207.20
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	.20099	517.96	.47425	.14076	.87490	.57935	.48725
SDev	.00054	.10	.00027	.00037	.00433	.00514	.00037
%RSD	.26821	.01869	.05727	.26096	.49526	.88673	.07549
#1	.20061	518.03	.47444	.14050	.87797	.57572	.48699
#2	.20137	517.90	.47406	.14101	.87184	.58299	.48751
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.90695	.09992	.04916	.04765	.09373
SDev	.00170	.00514	.00212	.00367	.00616
%RSD	.18715	5.1442	4.3179	7.6948	6.5763
#1	.90815	.09629	.05066	.04506	.08937
#2	.90575	.10356	.04766	.05025	.09809
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000
Range	20.000	20.000	20.000	20.000	20.000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 09:35:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48820	.50493	.50516	.50493	.49569	49.917	.48430
SDev	.00326	.00077	.00577	.00019	.00030	.140	.00095
%RSD	.66732	.15189	1.1426	.03777	.06054	.28067	.19588
#1	.48590	.50439	.50108	.50506	.49548	50.016	.48498
#2	.49051	.50547	.50924	.50479	.49591	49.818	.48363
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	.50947	50.960	.48653	.48422	.48807	.50506	20.800
SDev	.00194	.153	.00075	.00216	.00175	.00089	.050
%RSD	.38127	.29929	.15411	.44561	.35929	.17678	.23988
#1	.50810	50.852	.48600	.48270	.48683	.50570	20.764
#2	.51084	51.068	.48706	.48575	.48931	.50443	20.835
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	20.591	51.038	.49317	20.747	.47942	.49025	.50493
SDev	.091	.140	.00103	.098	.00139	.00022	.00110
%RSD	.44057	.27516	.20985	.47176	.28991	.04546	.21856
#1	20.655	50.939	.49244	20.817	.47844	.49009	.50415
#2	20.527	51.137	.49391	20.678	.48041	.49041	.50571
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49568	.50019	.49936	.50501	.51408
SDev	.00151	.00109	.00160	.00179	.00405
%RSD	.30476	.21828	.31969	.35543	.78885
#1	.49461	.49942	.49823	.50374	.51695
#2	.49675	.50097	.50049	.50628	.51121
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 09:37:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00180	-.00172	.00861	-.00269	.00095	.02873	-.00003
SDev	.00100	.00304	.00329	.00379	.00040	.00536	.00000
%RSD	55.721	176.69	38.182	140.50	41.873	18.646	.00000
#1	.00109	.00043	.00629	-.00002	.00067	.03252	-.00003
#2	.00251	-.00387	.01093	-.00537	.00123	.02494	-.00003
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	.00018	.04440	-.00019	-.00004	.00016	.00053	.01126
SDev	.00002	.00411	.00013	.00040	.00000	.00015	.00084
%RSD	10.235	9.2568	71.121	902.52	.00000	28.133	7.4289
#1	.00020	.04731	-.00009	-.00032	.00016	.00043	.01185
#2	.00017	.04149	-.00028	.00024	.00016	.00064	.01067
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	.33545	.00080	.00003	.01618	.00044	.00031	.00014
SDev	.03073	.00542	.00003	.00000	.00004	.00094	.00073
%RSD	9.1601	673.49	88.260	.00000	8.4426	299.53	517.47
#1	.31373	.00464	.00001	.01618	.00041	.00098	-.00038
#2	.35718	-.00303	.00005	.01618	.00046	-.00035	.00066
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00334	.00263	-.00055	.00107	-.00430
SDev	.00056	.00206	.00169	.00143	.00780
%RSD	16.926	78.340	308.92	133.77	181.35
#1	-.00374	.00117	.00065	.00208	.00121
#2	-.00294	.00409	-.00174	.00006	-.00982
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405096-21 2X Operator: SW
Run Time: 07/12/04 09:44:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.16902	.18632	-.04401	.01098	.00056	39.912	.12688
SDev	.00124	.00023	.00160	.00294	.00026	.030	.00025
%RSD	.73147	.12312	3.6403	26.811	46.604	.07617	.19541
#1	.16990	.18648	-.04514	.00890	.00075	39.891	.12706
#2	.16815	.18616	-.04288	.01306	.00038	39.934	.12671
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	.00257	4.3703	-.00259	.02488	.27995	.14682	185.40
SDev	.00002	.0018	.00011	.00013	.00038	.00032	.07
%RSD	.68897	.04211	4.2202	.53069	.13535	.21598	.03829
#1	.00259	4.3716	-.00266	.02497	.27968	.14660	185.45
#2	.00256	4.3689	-.00251	.02479	.28022	.14705	185.35
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	7.9091	31.524	1.8682	1.1666	.04715	.00825	.18488
SDev	.0076	.028	.0008	.0037	.00036	.00437	.00147
%RSD	.09605	.09028	.04498	.32132	.77241	52.936	.79522
#1	7.9038	31.504	1.8688	1.1639	.04689	.00516	.18591
#2	7.9145	31.544	1.8676	1.1692	.04741	.01134	.18384
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.36875	.01701	.18056	-.00733	.00597
SDev	.00038	.00017	.00056	.00250	.00896
%RSD	.10257	.98538	.31276	34.059	150.02
#1	.36901	.01713	.18096	-.00910	.01231
#2	.36848	.01689	.18016	-.00557	-.00036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21D 2X Operator: SW
Run Time: 07/12/04 09:46:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.13234	.15384	-.03989	.01351	.00047	48.986	.14727
SDev	.00032	.00072	.00221	.00140	.00017	.029	.00032
%RSD	.24400	.46548	5.5425	10.398	35.761	.05866	.21651
#1	.13211	.15333	-.04145	.01251	.00059	48.966	.14750
#2	.13257	.15434	-.03833	.01450	.00035	49.007	.14705
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	.00250	5.4757	-.00220	.02899	.30070	.13427	178.54
SDev	.00000	.0066	.00023	.00066	.00020	.00014	.31
%RSD	.01561	.12094	10.611	2.2752	.06825	.10113	.17268
#1	.00250	5.4710	-.00203	.02853	.30056	.13417	178.32
#2	.00250	5.4804	-.00236	.02946	.30085	.13437	178.76
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	14.947	40.083	1.7764	1.0508	.06496	.00880	.21008
SDev	.050	.072	.0009	.0033	.00051	.00152	.00073
%RSD	.33275	.17954	.05243	.31404	.78665	17.213	.34992
#1	14.982	40.032	1.7758	1.0531	.06460	.00773	.20957
#2	14.912	40.134	1.7771	1.0484	.06532	.00987	.21060
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.33223	.01291	.14668	-.00427	.00667
SDev	.00095	.00277	.00059	.00167	.00795
%RSD	.28479	21.491	.39894	39.147	119.19
#1	.33156	.01094	.14626	-.00546	.01228
#2	.33290	.01487	.14709	-.00309	.00105
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21L 10X Operator: SW
Run Time: 07/12/04 09:49:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03626	.03569	-.00569	-.00641	.00062	8.0809	.02589
SDev	.00040	.00174	.00391	.00154	.00060	.0103	.00002
%RSD	1.1167	4.8695	68.687	24.029	96.976	.12780	.09110
#1	.03655	.03446	-.00846	-.00750	.00104	8.0736	.02590
#2	.03598	.03692	-.00293	-.00532	.00019	8.0882	.02587
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	.00054	.87839	-.00052	.00510	.05786	.02884	34.268
SDev	.00000	.00275	.00014	.00079	.00055	.00016	.018
%RSD	.08943	.31294	26.058	15.533	.95431	.54120	.05234
#1	.00054	.88034	-.00043	.00566	.05825	.02895	34.256
#2	.00054	.87645	-.00062	.00454	.05747	.02873	34.281
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	1.7703	6.5301	.38511	.22344	.01008	.00423	.03820
SDev	.0078	.0068	.00004	.00025	.00055	.00351	.00092
%RSD	.44216	.10398	.01006	.11248	5.4323	83.010	2.4045
#1	1.7758	6.5349	.38513	.22362	.01047	.00671	.03885
#2	1.7647	6.5253	.38508	.22326	.00969	.00175	.03755
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.07437	.00367	.03588	-.00617	.00015
SDev	.00077	.00294	.00102	.00233	.00419
%RSD	1.0301	80.234	2.8548	37.753	2782.8
#1	.07491	.00575	.03516	-.00782	.00311
#2	.07383	.00159	.03661	-.00452	-.00281
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21MS 2X Operator: SW
Run Time: 07/12/04 09:51:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.44510	.46689	.23329	.28321	.00925	40.576	.35539
SDev	.00503	.00256	.00841	.00233	.00038	.139	.00124
%RSD	1.1293	.54839	3.6063	.82193	4.0782	.34222	.34981
#1	.44155	.46507	.23923	.28157	.00898	40.674	.35627
#2	.44865	.46870	.22734	.28486	.00951	40.478	.35451
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	.25875	4.4389	.29259	.26678	.49521	.39098	174.06
SDev	.00002	.0053	.00096	.00176	.00032	.00030	.16
%RSD	.00719	.11850	.32733	.66008	.06380	.07596	.09270
#1	.25876	4.4426	.29191	.26803	.49499	.39119	174.17
#2	.25874	4.4351	.29327	.26554	.49543	.39077	173.94
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	7.2599	29.883	2.0262	1.1121	.28751	.01032	.42483
SDev	.0180	.022	.0022	.0010	.00035	.00310	.00000
%RSD	.24762	.07309	.10776	.09267	.12131	30.053	.00000
#1	7.2472	29.898	2.0277	1.1114	.28775	.01251	.42483
#2	7.2726	29.867	2.0246	1.1128	.28726	.00812	.42483
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.57323	.27734	.45963	.26659	.00194
SDev	.00057	.00169	.00338	.00125	.00093
%RSD	.09877	.61096	.73571	.46848	47.664
#1	.57364	.27614	.45724	.26747	.00260
#2	.57283	.27854	.46202	.26570	.00129
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-21MSD 2X Operator: SW
Run Time: 07/12/04 09:54:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.46663	.48895	.22938	.29021	.00930	44.099	.36987
SDev	.00090	.00012	.00033	.00766	.00006	.173	.00176
%RSD	.19275	.02488	.14251	2.6380	.64012	.39262	.47703
#1	.46599	.48886	.22915	.29563	.00935	43.976	.36862
#2	.46726	.48904	.22961	.28480	.00926	44.221	.37112
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	.26162	4.5295	.29590	.27211	.53413	.40622	192.65
SDev	.00156	.0139	.00219	.00163	.00338	.00155	1.02
%RSD	.59685	.30797	.74047	.59870	.63305	.38257	.52761
#1	.26052	4.5196	.29435	.27096	.53174	.40512	191.93
#2	.26273	4.5393	.29744	.27326	.53652	.40732	193.37
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	8.1586	32.354	2.1738	1.2581	.29461	.00735	.44160
SDev	.0083	.150	.0082	.0019	.00027	.00303	.00202
%RSD	.10218	.46359	.37575	.15240	.09213	41.172	.45806
#1	8.1527	32.247	2.1680	1.2568	.29480	.00949	.44017
#2	8.1645	32.460	2.1796	1.2595	.29441	.00521	.44303
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.61713	.28638	.48152	.26995	.00472
SDev	.00151	.00533	.00038	.00500	.01180
%RSD	.24459	1.8612	.07905	1.8512	250.19
#1	.61607	.28261	.48125	.27349	.01306
#2	.61820	.29014	.48178	.26642	-.00363
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-23 2X Operator: SW
Run Time: 07/12/04 09:56:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.23693	.25925	-.07154	.00590	.00018	29.041	.17642
SDev	.00377	.00203	.00620	.00757	.00006	.193	.00058
%RSD	1.5929	.78190	8.6702	128.18	30.284	.66543	.32812
#1	.23426	.25782	-.07593	.01125	.00014	28.905	.17601
#2	.23959	.26068	-.06716	.00055	.00022	29.178	.17683
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	.00333	3.5456	-.00124	.02023	.31356	.12558	123.33
SDev	.00000	.0110	.00004	.00013	.00077	.00038	.44
%RSD	.00293	.30927	3.1921	.65116	.24674	.30617	.35461
#1	.00333	3.5379	-.00127	.02032	.31302	.12531	123.02
#2	.00333	3.5534	-.00122	.02014	.31411	.12586	123.64
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	5.7998	19.425	1.4896	1.3321	.04030	.00436	.12238
SDev	.0261	.074	.0043	.0111	.00016	.00141	.00018
%RSD	.45027	.38343	.28881	.83419	.40724	32.260	.15013
#1	5.7814	19.373	1.4866	1.3243	.04042	.00535	.12251
#2	5.8183	19.478	1.4927	1.3400	.04019	.00336	.12225
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50583	.01520	.25182	L-.01989	.00545
SDev	.00113	.00244	.00261	.00298	.00103
%RSD	.22396	16.034	1.0360	14.993	19.011
#1	.50503	.01348	.24997	L-.01778	.00471
#2	.50663	.01693	.25366	L-.02199	.00618
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-27 2X Operator: SW
Run Time: 07/12/04 09:59:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.25305	.28657	-.09468	.00962	.00482	88.371	.17774
SDev	.00029	.00359	.00170	.00408	.00039	.015	.00047
%RSD	.11555	1.2511	1.7948	42.374	8.1230	.01728	.26587
#1	.25285	.28403	-.09348	.01251	.00455	88.381	.17807
#2	.25326	.28910	-.09588	.00674	.00510	88.360	.17740
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	.00376	6.6969	-.00291	.05046	.16714	.06562	145.33
SDev	.00000	.0245	.00017	.00013	.00071	.00025	.36
%RSD	.00517	.36639	5.9884	.26183	.42491	.37680	.24440
#1	.00376	6.6795	-.00279	.05056	.16664	.06544	145.08
#2	.00376	6.7143	-.00303	.05037	.16764	.06579	145.58
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	4.2498	44.651	2.2628	1.2141	.04432	.00960	.29326
SDev	.0052	.109	.0032	.0029	.00022	.00216	.00037
%RSD	.12255	.24313	.13986	.24001	.49361	22.485	.12536
#1	4.2461	44.574	2.2606	1.2161	.04448	.01113	.29300
#2	4.2535	44.727	2.2651	1.2120	.04417	.00807	.29352
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.23109	.01449	.27541	L-.02511	-.01186
SDev	.00303	.00196	.00249	.00329	.00300
%RSD	1.3134	13.552	.90367	13.085	25.272
#1	.22894	.01310	.27365	L-.02279	-.01398
#2	.23324	.01588	.27717	L-.02743	-.00974
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-28 2X Operator: SW
Run Time: 07/12/04 10:01:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.06161	.07057	-.03616	.00511	.00060	31.814	.07708
SDev	.00010	.00503	.00187	.00631	.00028	.212	.00020
%RSD	.16328	7.1261	5.1725	123.50	46.697	.66730	.26026
#1	.06168	.06701	-.03484	.00065	.00080	31.664	.07693
#2	.06154	.07413	-.03749	.00958	.00040	31.964	.07722
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	.00086	5.7586	-.00216	.02943	.14887	.05123	112.67
SDev	.00002	.0027	.00031	.00044	.00047	.00025	.16
%RSD	2.1841	.04607	14.541	1.4940	.31802	.48142	.13782
#1	.00087	5.7567	-.00194	.02974	.14854	.05141	112.56
#2	.00084	5.7605	-.00238	.02912	.14921	.05106	112.78
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	2.3086	24.018	1.2095	1.4276	.02293	.00572	.21450
SDev	.0008	.045	.0022	.0156	.00013	.00454	.00037
%RSD	.03672	.18809	.17785	1.0938	.55868	79.421	.17136
#1	2.3092	23.986	1.2080	1.4166	.02302	.00251	.21424
#2	2.3080	24.050	1.2110	1.4386	.02283	.00893	.21476
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.13176	.00541	.06759	-.00863	-.00762
SDev	.00019	.00058	.00332	.00359	.00360
%RSD	.14462	10.663	4.9133	41.558	47.291
#1	.13163	.00500	.06524	L-.01117	-.00507
#2	.13190	.00582	.06994	-.00610	-.01017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-32 2X Operator: SW
Run Time: 07/12/04 10:04:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.34839	.37846	-.17292	.00428	-.00006	18.757	.32781
SDev	.00202	.00380	.00096	.00026	.00010	.164	.00174
%RSD	.57867	1.0053	.55253	6.1975	179.38	.87579	.53074
#1	.34982	.37577	-.17359	.00447	.00002	18.640	.32658
#2	.34696	.38115	-.17224	.00409	-.00013	18.873	.32904
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	.00557	1.5510	-.00153	.00551	.12303	.03555	122.76
SDev	.00000	.0074	.00020	.00009	.00022	.00027	.60
%RSD	.00000	.47553	12.827	1.6065	.17956	.75425	.48495
#1	.00557	1.5458	-.00139	.00545	.12287	.03536	122.34
#2	.00557	1.5562	-.00167	.00558	.12318	.03574	123.18
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	2.9829	4.0320	2.0068	1.0053	.01085	.00638	.03859
SDev	.0290	.0174	.0086	.0105	.00018	.00213	.00000
%RSD	.97120	.43184	.42724	1.0399	1.6775	33.395	.00000
#1	2.9624	4.0197	2.0008	.99790	.01098	.00789	.03859
#2	3.0034	4.0443	2.0129	1.0127	.01072	.00487	.03859
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.65756	.02936	.36844	L-.05473	.00253
SDev	.00358	.00037	.00187	.00014	.00569
%RSD	.54511	1.2698	.50655	.25823	225.02
#1	.65502	.02910	.36712	L-.05483	.00655
#2	.66009	.02963	.36976	L-.05463	-.00149
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-1 2X Operator: SW
Run Time: 07/12/04 10:07:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.4775	1.4909	-.18853	.00533	.00071	19.670	.26866
SDev	.0001	.0032	.00230	.00262	.00047	.042	.00026
%RSD	.00658	.21130	1.2189	49.138	66.254	.21170	.09685
#1	1.4774	1.4887	-.18691	.00719	.00104	19.641	.26884
#2	1.4775	1.4932	-.19016	.00348	.00038	19.700	.26847
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	.00574	15.248	.00181	.01330	.08329	.08360	79.977
SDev	.00000	.049	.00004	.00004	.00098	.00011	.190
%RSD	.00339	.31923	2.1090	.33004	1.1745	.13474	.23703
#1	.00574	15.282	.00184	.01327	.08398	.08368	80.111
#2	.00574	15.213	.00179	.01333	.08259	.08352	79.843
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	4.2345	13.177	5.1455	1.6096	.01537	.00201	.07158
SDev	.0092	.022	.0136	.0105	.00113	.00571	.00037
%RSD	.21767	.16970	.26464	.65417	7.3475	283.74	.51329
#1	4.2280	13.193	5.1551	1.6021	.01617	.00605	.07184
#2	4.2410	13.162	5.1359	1.6170	.01457	-.00202	.07132
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.4009	.01029	1.4865	L-.05922	-.00052
SDev	.0062	.00393	.0021	.00251	.00451
%RSD	.44490	38.138	.14354	4.2439	868.24
#1	1.4053	.01307	1.4849	L-.05745	-.00371
#2	1.3965	.00752	1.4880	L-.06100	.00267
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 10:09:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49852	.50760	.51508	.50756	.49826	50.113	.48381
SDev	.00433	.00182	.00169	.01106	.00247	.285	.00155
%RSD	.86912	.35809	.32747	2.1789	.49482	.56813	.32108
#1	.49545	.50889	.51389	.49974	.49651	49.911	.48271
#2	.50158	.50632	.51628	.51538	.50000	50.314	.48491
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	.51396	51.343	.49177	.48771	.49142	.50600	20.896
SDev	.00090	.142	.00046	.00075	.00115	.00185	.056
%RSD	.17445	.27727	.09262	.15363	.23468	.36648	.26879
#1	.51333	51.242	.49145	.48718	.49061	.50469	20.857
#2	.51460	51.444	.49209	.48824	.49224	.50731	20.936
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	20.648	51.452	.49558	20.833	.48086	.48700	.50662
SDev	.095	.131	.00151	.093	.00049	.00558	.00055
%RSD	.45832	.25474	.30542	.44687	.10228	1.1455	.10891
#1	20.582	51.359	.49451	20.767	.48121	.48306	.50623
#2	20.715	51.544	.49665	20.899	.48051	.49095	.50701
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50262	.50673	.50458	.51006	.52161
SDev	.00038	.00000	.00023	.00794	.00324
%RSD	.07512	.00088	.04567	1.5563	.62037
#1	.50289	.50673	.50441	.50445	.52389
#2	.50236	.50673	.50474	.51568	.51932
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 10:12:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00189	-.00022	.00678	-.00227	.00056	.01940	-.00004
SDev	.00087	.00261	.00130	.00643	.00030	.00124	.00009
%RSD	46.276	1179.2	19.234	282.57	53.237	6.3898	226.28
#1	.00251	-.00207	.00770	-.00682	.00035	.02028	-.00011
#2	.00127	.00163	.00586	.00227	.00078	.01853	.00003
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	.00015	.03410	-.00024	.00002	.00037	.00028	.01467
SDev	.00000	.00000	.00016	.00048	.00002	.00043	.00239
%RSD	.00000	.00000	65.933	2638.9	4.2576	153.51	16.289
#1	.00015	.03410	-.00035	-.00032	.00036	-.00002	.01298
#2	.00015	.03410	-.00013	.00036	.00038	.00058	.01636
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	.32714	-.00577	.00036	.00663	.00050	-.00056	.00014
SDev	.02516	.00090	.00005	.00068	.00002	.00059	.00000
%RSD	7.6900	15.534	14.429	10.328	3.7532	105.53	.00000
#1	.30935	-.00514	.00039	.00614	.00049	-.00098	.00014
#2	.34492	-.00641	.00032	.00711	.00052	-.00014	.00014
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00320	.00070	.00048	.00074	-.00025
SDev	.00000	.00020	.00145	.00385	.00293
%RSD	.00000	29.096	301.86	520.03	1177.8
#1	-.00320	.00084	-.00055	-.00198	.00182
#2	-.00320	.00055	.00151	.00346	-.00232
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040709-4MB Operator: SW
Run Time: 07/12/04 10:14:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00143	-.00247	.00607	-.00218	.00104	.00399	-.00004
SDev	.00178	.00047	.00010	.00123	.00000	.00257	.00002
%RSD	124.02	19.008	1.6629	56.315	.00000	64.491	56.569
#1	.00269	-.00281	.00614	-.00131	.00104	.00580	-.00003
#2	.00018	-.00214	.00600	-.00304	.00104	.00217	-.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	.00007	.04069	-.00022	-.00020	.00030	.00058	.05324
SDev	.00004	.00023	.00030	.00018	.00008	.00004	.00754
%RSD	55.457	.55972	136.49	88.240	25.981	7.4141	14.152
#1	.00009	.04085	-.00001	-.00032	.00025	.00055	.04791
#2	.00004	.04053	-.00043	-.00007	.00036	.00061	.05857
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	.30350	-.02967	.00037	.01081	.00221	.00436	.00001
SDev	.00103	.00060	.00003	.00033	.00007	.00035	.00018
%RSD	.34080	2.0158	6.8644	3.0902	3.2793	8.0154	1517.9
#1	.30423	-.03009	.00036	.01104	.00227	.00461	-.00012
#2	.30277	-.02924	.00039	.01057	.00216	.00412	.00014
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00323	.00094	-.00117	.00057	-.00087
SDev	.00020	.00189	.00028	.00085	.00122
%RSD	6.1056	202.29	23.676	149.49	140.98
#1	.00337	.00227	-.00098	.00117	-.00000
#2	.00309	-.00040	-.00137	-.00003	-.00173
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040709-4LCS Operator: SW
Run Time: 07/12/04 10:17:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.60846	.61112	.54052	.54105	.01914	5.1060	.48015
SDev	.00492	.00165	.00665	.00265	.00028	.0301	.00291
%RSD	.80869	.27038	1.2309	.49078	1.4732	.58919	.60503
#1	.60498	.60995	.54523	.53917	.01934	5.0847	.47810
#2	.61194	.61229	.53582	.54293	.01894	5.1272	.48221
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	.52035	.03426	.61089	.49979	.49706	.50678	4.8903
SDev	.00039	.00113	.00145	.00048	.00066	.00341	.0029
%RSD	.07538	3.3063	.23678	.09674	.13349	.67312	.05830
#1	.52062	.03507	.61191	.50014	.49753	.50437	4.8923
#2	.52007	.03346	.60986	.49945	.49660	.50919	4.8883
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	.29462	-.03453	.50439	.00843	.50497	.01822	.50233
SDev	.03320	.00688	.00041	.00093	.00131	.00110	.00037
%RSD	11.270	19.917	.08208	11.030	.26013	6.0501	.07323
#1	.31810	-.02967	.50410	.00909	.50404	.01899	.50259
#2	.27114	-.03939	.50468	.00777	.50590	.01744	.50207
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.51464	.53545	.61024	.54088	-.00272
SDev	.00151	.01008	.00274	.00044	.00041
%RSD	.29350	1.8816	.44911	.08217	14.946
#1	.51571	.54258	.60830	.54119	-.00301
#2	.51357	.52833	.61217	.54056	-.00244
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-9 Operator: SW
Run Time: 07/12/04 10:19:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08340	.07766	-.00458	.00155	-.00028	4.1056	.30044
SDev	.00166	.00163	.00921	.00335	.00030	.0048	.00031
%RSD	1.9879	2.0959	201.02	216.16	105.80	.11785	.10238
#1	.08223	.07651	.00193	.00392	-.00049	4.1022	.30023
#2	.08458	.07881	-.01110	-.00082	-.00007	4.1091	.30066
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	.00164	.21487	-.00042	.00109	.08882	.00417	8.4817
SDev	.00000	.00024	.00002	.00009	.00035	.00013	.0305
%RSD	.01189	.11143	4.4163	8.0779	.39081	3.1449	.35977
#1	.00164	.21470	-.00041	.00115	.08857	.00408	8.4601
#2	.00164	.21504	-.00043	.00103	.08906	.00427	8.5033
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	1.7395	.03209	.15229	1.1114	.00304	.00441	.00118
SDev	.0139	.00126	.00039	.0033	.00015	.00244	.00037
%RSD	.80135	3.9143	.25391	.29913	4.7884	55.222	31.105
#1	1.7296	.03298	.15202	1.1091	.00294	.00269	.00092
#2	1.7493	.03120	.15256	1.1138	.00314	.00614	.00144
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.08506	.00843	.07957	-.00049	-.00231
SDev	.00057	.00037	.00164	.00530	.00001
%RSD	.67465	4.4296	2.0582	1077.9	.54282
#1	.08466	.00816	.07841	.00326	-.00232
#2	.08547	.00869	.08073	-.00424	-.00230
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-9D Operator: SW
Run Time: 07/12/04 10:22:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07916	.07248	.00189	-.00116	-.00031	3.8037	.27678
SDev	.00323	.00159	.00661	.00426	.00017	.0204	.00098
%RSD	4.0765	2.1870	349.54	365.49	54.620	.53525	.35471
#1	.07688	.07136	.00656	.00185	-.00019	3.7893	.27608
#2	.08144	.07361	-.00278	-.00417	-.00043	3.8181	.27747
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	.00178	.18009	-.00044	.00052	.07599	.00371	7.9159
SDev	.00002	.00119	.00000	.00026	.00010	.00017	.0324
%RSD	1.0175	.66126	.66759	50.728	.12458	4.7119	.40887
#1	.00179	.18093	-.00044	.00071	.07606	.00383	7.9388
#2	.00177	.17924	-.00043	.00033	.07592	.00359	7.8930
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	1.6632	.02519	.14123	1.0214	.00272	.00176	.00118
SDev	.0118	.00536	.00015	.0103	.00002	.00206	.00073
%RSD	.71018	21.301	.10950	1.0130	.65754	117.43	62.210
#1	1.6716	.02898	.14112	1.0141	.00271	.00321	.00170
#2	1.6549	.02139	.14134	1.0287	.00273	.00030	.00066
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.08033	.00730	.07471	-.00015	.00309
SDev	.00153	.00095	.00213	.00504	.00384
%RSD	1.9061	12.971	2.8537	3417.8	124.12
#1	.08141	.00797	.07320	.00342	.00038
#2	.07924	.00663	.07622	-.00371	.00581
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-9L 5X Operator: SW
Run Time: 07/12/04 10:24:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01731	.01431	.00329	-.00477	.00032	.84462	.06125
SDev	.00296	.00267	.00051	.00635	.00039	.00116	.00005
%RSD	17.122	18.695	15.607	132.92	123.22	.13774	.07704
#1	.01941	.01242	.00365	-.00926	.00059	.84545	.06122
#2	.01522	.01620	.00292	-.00029	.00004	.84380	.06128
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	.00035	.05655	-.00055	.00013	.01729	.00099	1.6272
SDev	.00000	.00023	.00007	.00053	.00006	.00002	.0047
%RSD	.05483	.40671	13.091	396.55	.36491	2.1798	.28815
#1	.00036	.05672	-.00050	.00051	.01725	.00100	1.6239
#2	.00035	.05639	-.00060	-.00024	.01734	.00097	1.6305
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	.61776	-.02650	.03084	.23999	.00019	-.00027	.00014
SDev	.01253	.00449	.00000	.00021	.00013	.00137	.00037
%RSD	2.0287	16.928	.00000	.08945	65.672	506.30	258.74
#1	.60889	-.02967	.03084	.23983	.00010	-.00124	-.00012
#2	.62662	-.02332	.03084	.24014	.00028	.00070	.00040
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01444	-.00005	.01531	-.00209	.00075
SDev	.00078	.00162	.00080	.00406	.00422
%RSD	5.3893	3221.2	5.2082	194.31	564.42
#1	.01389	.00110	.01475	-.00496	.00373
#2	.01499	-.00120	.01587	.00078	-.00223
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-9MS Operator: SW
Run Time: 07/12/04 10:27:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.70020	.69254	.53563	.53976	.01813	9.4431	.82609
SDev	.00202	.00174	.00817	.00254	.00018	.0205	.00004
%RSD	.28811	.25151	1.5244	.47036	.99878	.21746	.00433
#1	.70162	.69131	.54140	.54156	.01800	9.4286	.82612
#2	.69877	.69378	.52986	.53796	.01826	9.4576	.82607
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	.53097	.22470	.61197	.50216	.59682	.51241	14.468
SDev	.00319	.00120	.00446	.00154	.00417	.00080	.054
%RSD	.60165	.53352	.72920	.30699	.69907	.15639	.37412
#1	.52871	.22385	.60881	.50107	.59387	.51185	14.430
#2	.53323	.22555	.61512	.50325	.59977	.51298	14.506
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	1.8595	.03364	.67061	1.2090	.50827	.02337	.50298
SDev	.0117	.00282	.00289	.0000	.00349	.00064	.00276
%RSD	.62843	8.3928	.43100	.00000	.68633	2.7404	.54850
#1	1.8513	.03564	.66857	1.2090	.50580	.02292	.50103
#2	1.8678	.03165	.67265	1.2090	.51073	.02382	.50493
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.60486	.54711	.69509	.53839	.00041
SDev	.00566	.00083	.00049	.00441	.00335
%RSD	.93589	.15202	.07049	.81955	813.40
#1	.60086	.54770	.69475	.54150	.00278
#2	.60886	.54652	.69544	.53527	-.00196
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-9MSD Operator: SW
Run Time: 07/12/04 10:29:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.70830	.69945	.53223	.53752	.01759	9.7439	.83434
SDev	.00114	.00144	.00320	.00145	.00050	.0635	.00569
%RSD	.16163	.20627	.60072	.27033	2.8579	.65186	.68228
#1	.70911	.70047	.53449	.53649	.01723	9.6990	.83031
#2	.70749	.69843	.52997	.53855	.01794	9.7888	.83836
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	.52977	.30237	.60840	.50039	.59442	.51368	14.973
SDev	.00291	.00218	.00324	.00520	.00435	.00332	.081
%RSD	.55011	.72007	.53185	1.0390	.73113	.64632	.54167
#1	.52771	.30083	.60611	.49671	.59134	.51133	14.915
#2	.53183	.30391	.61069	.50406	.59749	.51602	15.030
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	1.8806	.07388	.67540	1.2626	.50541	.02319	.50285
SDev	.0078	.00123	.00419	.0113	.00391	.00104	.00258
%RSD	.41380	1.6721	.61988	.89267	.77421	4.4718	.51207
#1	1.8751	.07301	.67243	1.2547	.50265	.02392	.50103
#2	1.8861	.07476	.67836	1.2706	.50818	.02246	.50467
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.60673	.55039	.70240	.53576	-.00057
SDev	.00377	.00368	.00134	.00010	.00253
%RSD	.62200	.66859	.19128	.01782	440.67
#1	.60406	.54779	.70335	.53582	-.00236
#2	.60940	.55299	.70145	.53569	.00121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-10 Operator: SW
Run Time: 07/12/04 10:32:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03851	.02861	.00011	.00191	.00038	2.4725	.01787
SDev	.00071	.00010	.00235	.00402	.00072	.0171	.00007
%RSD	1.8550	.35252	2191.8	210.30	190.96	.69249	.39600
#1	.03901	.02854	.00177	-.00093	.00088	2.4604	.01782
#2	.03800	.02868	-.00155	.00476	-.00013	2.4847	.01792
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	.00055	.31350	-.00028	.00071	.14579	.00478	4.9998
SDev	.00002	.00048	.00018	.00022	.00022	.00020	.0135
%RSD	3.3636	.15451	64.481	31.022	.15153	4.1268	.27009
#1	.00056	.31384	-.00015	.00086	.14595	.00492	5.0093
#2	.00054	.31316	-.00041	.00055	.14563	.00464	4.9902
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	1.1611	.04073	.05612	.80180	.00513	.00080	.00170
SDev	.0172	.00094	.00008	.01087	.00033	.00345	.00000
%RSD	1.4827	2.3020	.13768	1.3555	6.4008	433.07	.00000
#1	1.1733	.04007	.05606	.79412	.00536	-.00164	.00170
#2	1.1489	.04139	.05617	.80949	.00489	.00323	.00170
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.02910	.00403	.03190	.00131	-.00289
SDev	.00019	.00196	.00017	.00190	.00040
%RSD	.66393	48.603	.53474	144.88	13.922
#1	.02897	.00265	.03202	-.00003	-.00318
#2	.02924	.00542	.03178	.00265	-.00261
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-11 Operator: SW
Run Time: 07/12/04 10:34:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.10646	.11330	-.00105	-.00128	-.00382	2.9972	.07553
SDev	.00326	.00043	.00776	.00041	.00107	.0152	.00019
%RSD	3.0620	.38172	738.62	32.123	27.981	.50667	.24994
#1	.10876	.11299	.00444	-.00157	-.00306	2.9864	.07540
#2	.10415	.11360	-.00654	-.00099	-.00457	3.0079	.07567
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	.00136	.60037	-.00038	.00054	.06848	.00206	7.3758
SDev	.00002	.00222	.00018	.00084	.00024	.00015	.0079
%RSD	1.3659	.37028	47.765	154.06	.34557	7.3777	.10714
#1	.00135	.59880	-.00025	.00113	.06831	.00217	7.3702
#2	.00138	.60194	-.00051	-.00005	.06865	.00195	7.3814
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	1.7441	.20445	.23285	.87894	.00255	.00075	.00079
SDev	.0065	.00575	.00063	.00642	.00004	.00552	.00018
%RSD	.37453	2.8125	.27147	.73031	1.4718	740.60	23.210
#1	1.7395	.20038	.23240	.87440	.00258	.00465	.00092
#2	1.7487	.20851	.23329	.88348	.00252	-.00316	.00066
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.06054	.02642	.11102	-.00120	-.00386
SDev	.00038	.00396	.00080	.00231	.00163
%RSD	.63389	14.969	.71791	191.82	42.137
#1	.06081	.02922	.11159	.00043	-.00271
#2	.06027	.02363	.11046	-.00284	-.00501
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-12 Operator: SW
Run Time: 07/12/04 10:37:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.17296	.17943	-.00938	.00362	-.00888	5.5315	.04449
SDev	.00257	.00119	.00213	.00845	.00049	.0258	.00013
%RSD	1.4883	.66401	22.711	233.22	5.5346	.46587	.29161
#1	.17478	.17859	-.01088	.00959	-.00853	5.5133	.04440
#2	.17114	.18028	-.00787	-.00235	-.00923	5.5497	.04458
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	.00286	.87981	-.00058	.00013	.08629	.00402	24.130
SDev	.00002	.00475	.00015	.00009	.00024	.00004	.127
%RSD	.64845	.53969	26.661	69.106	.27428	1.0882	.52501
#1	.00287	.87645	-.00047	.00019	.08612	.00405	24.040
#2	.00284	.88316	-.00069	.00007	.08645	.00399	24.220
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	2.1642	.02273	.24155	.95836	.00263	.00341	.00040
SDev	.0051	.00190	.00094	.00281	.00004	.00436	.00000
%RSD	.23654	8.3454	.38990	.29338	1.3914	128.08	.00000
#1	2.1606	.02139	.24088	.96035	.00265	.00650	.00040
#2	2.1678	.02408	.24222	.95638	.00260	.00032	.00040
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.17685	.02836	.17728	-.00071	-.00954
SDev	.00190	.00024	.00006	.00492	.00127
%RSD	1.0749	.83149	.03525	696.67	13.350
#1	.17550	.02853	.17732	.00278	-.01044
#2	.17819	.02819	.17723	-.00419	-.00864
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 10:39:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50499	.50623	.52801	.51438	.49842	50.090	.48309
SDev	.00190	.00475	.00630	.00573	.00184	.010	.00042
%RSD	.37654	.93850	1.1936	1.1143	.36992	.02059	.08591
#1	.50633	.50287	.53247	.51033	.49712	50.097	.48280
#2	.50364	.50959	.52356	.51843	.49973	50.083	.48338
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	.51452	51.541	.49291	.48868	.49217	.50387	20.982
SDev	.00052	.074	.00004	.00114	.00171	.00268	.023
%RSD	.10158	.14409	.00762	.23436	.34667	.53159	.11158
#1	.51415	51.593	.49289	.48787	.49338	.50197	20.965
#2	.51489	51.488	.49294	.48949	.49096	.50576	20.998
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	20.638	51.565	.49589	20.773	.48442	.49264	.50662
SDev	.070	.085	.00014	.122	.00141	.00014	.00092
%RSD	.34089	.16553	.02870	.58730	.29042	.02912	.18152
#1	20.589	51.504	.49599	20.686	.48343	.49274	.50597
#2	20.688	51.625	.49579	20.859	.48542	.49254	.50727
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50302	.50561	.50582	.51892	.52020
SDev	.00094	.00262	.00254	.00172	.00203
%RSD	.18767	.51770	.50131	.33226	.38996
#1	.50236	.50746	.50402	.51770	.52163
#2	.50369	.50375	.50761	.52014	.51876
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 10:42:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00329	.00005	.00883	-.00212	.00063	.01867	-.00003
SDev	.00177	.00093	.00219	.00194	.00021	.00310	.00004
%RSD	53.881	1783.2	24.808	91.842	32.850	16.622	106.07
#1	.00203	-.00060	.00728	-.00349	.00078	.02086	-.00001
#2	.00454	.00071	.01037	-.00074	.00048	.01647	-.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	.00015	.03539	-.00028	-.00014	.00060	.00049	.01184
SDev	.00000	.00091	.00000	.00035	.00006	.00017	.00318
%RSD	.13381	2.5637	.10077	256.53	10.434	35.112	26.856
#1	.00015	.03603	-.00028	.00011	.00065	.00061	.01408
#2	.00015	.03474	-.00028	-.00039	.00056	.00037	.00959
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	.31117	-.00895	.00009	.00213	.00143	.00089	.00014
SDev	.00671	.00179	.00006	.00104	.00035	.00384	.00037
%RSD	2.1555	20.054	69.293	48.843	24.183	429.43	258.74
#1	.31591	-.00768	.00014	.00287	.00118	.00361	.00040
#2	.30643	-.01022	.00005	.00140	.00167	-.00182	-.00012
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00360	.00273	.00113	.00153	.00063
SDev	.00056	.00436	.00121	.00202	.00255
%RSD	15.675	159.75	107.11	132.57	404.32
#1	-.00400	-.00035	.00027	.00010	.00243
#2	-.00320	.00581	.00198	.00296	-.00117
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405097-13 Operator: SW
Run Time: 07/12/04 10:44:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.24586	.23988	-.00310	-.00068	-.00741	12.385	.08836
SDev	.00229	.00407	.00660	.00093	.00026	.023	.00030
%RSD	.92996	1.6954	213.08	135.88	3.4584	.18472	.33391
#1	.24747	.23701	.00157	-.00134	-.00759	12.401	.08857
#2	.24424	.24276	-.00776	-.00003	-.00723	12.369	.08815
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	.00130	.15186	.00019	.00064	.12041	.00461	14.901
SDev	.00000	.00071	.00001	.00009	.00027	.00044	.031
%RSD	.02249	.46808	5.5598	13.724	.22279	9.5060	.20935
#1	.00130	.15136	.00020	.00058	.12022	.00430	14.879
#2	.00130	.15237	.00019	.00070	.12060	.00492	14.923
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	2.1910	.05043	2.1550	1.7397	.00446	-.00052	.00001
SDev	.0192	.00156	.0003	.0084	.00058	.00037	.00055
%RSD	.87509	3.0854	.01467	.48520	13.080	70.302	4553.6
#1	2.1775	.04933	2.1552	1.7456	.00404	-.00078	-.00038
#2	2.2046	.05153	2.1548	1.7337	.00487	-.00026	.00040
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.28899	.01787	.24187	-.00149	-.00899
SDev	.00038	.00071	.00195	.00158	.00001
%RSD	.13108	3.9786	.80672	106.03	.13565
#1	.28926	.01737	.24049	-.00037	-.00900
#2	.28872	.01838	.24325	-.00260	-.00898
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-14 Operator: SW
Run Time: 07/12/04 10:47:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00888	.00962	-.00846	-.00083	.00021	28.735	.05740
SDev	.00139	.00143	.00419	.00113	.00057	.282	.00057
%RSD	15.623	14.871	49.491	136.98	269.51	.98013	.98657
#1	.00986	.00861	-.00550	-.00003	.00062	28.536	.05699
#2	.00790	.01063	-.01143	-.00163	-.00019	28.934	.05780
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	.00084	5.1444	-.00135	.01086	.15116	.01612	71.440
SDev	.00002	.0280	.00006	.00031	.00099	.00018	.335
%RSD	2.2265	.54462	4.8055	2.8328	.65772	1.1004	.46903
#1	.00085	5.1246	-.00139	.01108	.15046	.01624	71.203
#2	.00083	5.1642	-.00130	.01064	.15186	.01599	71.677
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	6.2720	15.403	1.4977	1.5507	.00782	.00060	.04768
SDev	.0550	.084	.0086	.0229	.00026	.00339	.00037
%RSD	.87661	.54494	.57368	1.4764	3.2665	566.91	.77054
#1	6.2331	15.344	1.4916	1.5345	.00800	.00300	.04742
#2	6.3109	15.462	1.5038	1.5669	.00764	-.00180	.04794
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.09047	-.00046	.00937	-.00337	-.00549
SDev	.00057	.00078	.00049	.00215	.00271
%RSD	.63397	168.17	5.2502	63.821	49.468
#1	.09006	-.00102	.00902	-.00185	-.00357
#2	.09088	.00009	.00972	-.00489	-.00740
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-15 Operator: SW
Run Time: 07/12/04 10:49:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02065	.01776	.00157	.00978	.00095	28.467	.03651
SDev	.00204	.00161	.00411	.00436	.00081	.247	.00026
%RSD	9.8900	9.0619	261.89	44.600	85.392	.86796	.71066
#1	.02209	.01662	-.00134	.00670	.00153	28.292	.03633
#2	.01920	.01890	.00448	.01286	.00038	28.641	.03669
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	6.2783	-.00144	.01785	.21089	.05677	78.101
SDev	.00002	.0037	.00000	.00009	.00074	.00045	.225
%RSD	3.1715	.05934	.24144	.49226	.35178	.79075	.28801
#1	.00059	6.2757	-.00144	.01791	.21141	.05645	77.942
#2	.00057	6.2810	-.00143	.01779	.21036	.05709	78.260
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	4.0457	14.551	1.3975	2.2435	.00664	.00348	.04339
SDev	.0161	.043	.0056	.0246	.00033	.00347	.00018
%RSD	.39787	.29539	.40101	1.0980	4.9372	99.736	.42332
#1	4.0343	14.521	1.3936	2.2260	.00687	.00593	.04352
#2	4.0571	14.582	1.4015	2.2609	.00641	.00102	.04326
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.11005	.00206	.01872	.00705	-.00375
SDev	.00038	.00092	.00039	.00428	.00235
%RSD	.34683	44.421	2.1008	60.730	62.713
#1	.10978	.00271	.01844	.00402	-.00209
#2	.11032	.00141	.01900	.01007	-.00541
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-16 Operator: SW
Run Time: 07/12/04 10:52:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01280	.01359	-.00795	.00413	.00012	32.006	.07068
SDev	.00112	.00338	.00115	.00615	.00036	.104	.00012
%RSD	8.7290	24.900	14.499	148.98	292.60	.32572	.16694
#1	.01359	.01120	-.00713	-.00022	.00038	31.933	.07059
#2	.01201	.01599	-.00876	.00848	-.00013	32.080	.07076
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	.00084	6.1463	-.00163	.01478	.12327	.01781	78.705
SDev	.00000	.0027	.00012	.00075	.00010	.00013	.085
%RSD	.02314	.04327	7.2838	5.0571	.07680	.74753	.10805
#1	.00084	6.1481	-.00155	.01531	.12321	.01791	78.765
#2	.00084	6.1444	-.00172	.01425	.12334	.01772	78.645
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	7.6870	15.327	1.5401	2.1367	.00624	.00417	.06976
SDev	.0030	.001	.0005	.0046	.00020	.00720	.00037
%RSD	.03963	.00364	.03228	.21470	3.2266	172.50	.52667
#1	7.6849	15.326	1.5398	2.1335	.00638	.00926	.07002
#2	7.6892	15.327	1.5405	2.1400	.00610	-.00092	.06950
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.09858	.00144	.01333	.00011	-.00659
SDev	.00019	.00024	.00188	.00372	.00044
%RSD	.19379	16.511	14.145	3480.9	6.6772
#1	.09871	.00127	.01200	-.00252	-.00628
#2	.09844	.00160	.01466	.00274	-.00691
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-17 Operator: SW
Run Time: 07/12/04 10:54:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.9231	3.5027	-4.6851	-.02600	-.00830	12.264	1.2072
SDev	.0157	.0003	.0209	.00404	.00212	.131	.0067
%RSD	.53541	.01000	.44574	15.519	25.470	1.0711	.55102
#1	2.9342	3.5024	-4.6703	-.02886	-.00681	12.357	1.2119
#2	2.9121	3.5029	-4.6999	-.02315	-.00980	12.171	1.2025
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	.02331	22.911	.00591	.00470	.15012	.30546	75.630
SDev	.00004	.021	.00016	.00018	.00079	.00114	.201
%RSD	.15730	.09161	2.7125	3.7914	.52561	.37320	.26546
#1	.02333	22.926	.00580	.00483	.15068	.30627	75.772
#2	.02328	22.896	.00603	.00458	.14956	.30465	75.488
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	1.7678	L-5.7188	H13.508	3.7450	.00861	.01199	.03859
SDev	.0078	.0075	.023	.0120	.00007	.00283	.00073
%RSD	.44285	.13051	.16856	.32003	.84357	23.598	1.9042
#1	1.7623	L-5.7136	H13.524	3.7535	.00856	.01399	.03911
#2	1.7733	L-5.7241	H13.492	3.7365	.00866	.00999	.03807
Errors	LC Pass	LC Low	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
Units	PPM	PPM	PPM	PPM	PPM
Avge	2.7578	.15098	3.3097	L-1.5775	L-.08952
SDev	.0027	.00125	.0050	.0043	.00580
%RSD	.09678	.82727	.15041	.27020	6.4740
#1	2.7597	.15010	3.3132	L-1.5745	L-.08542
#2	2.7559	.15186	3.3062	L-1.5805	L-.09362
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-18 Operator: SW
Run Time: 07/12/04 10:57:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.60769	.63303	-.14995	.00945	-.00297	26.416	.36917
SDev	.00268	.00033	.00023	.00149	.00064	.077	.00051
%RSD	.44178	.05242	.15604	15.784	21.568	.29157	.13792
#1	.60959	.63280	-.15012	.00840	-.00342	26.361	.36881
#2	.60580	.63327	-.14979	.01051	-.00252	26.470	.36953
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	.00821	27.411	.02050	.01818	.25993	.13083	116.27
SDev	.00006	.239	.00039	.00075	.00267	.00066	.93
%RSD	.67105	.87311	1.9053	4.1126	1.0264	.50152	.80043
#1	.00817	27.241	.02022	.01766	.25805	.13037	115.62
#2	.00825	27.580	.02078	.01871	.26182	.13129	116.93
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	6.3615	14.755	6.6308	3.2248	.03265	-.00176	.08314
SDev	.0290	.113	.0436	.0000	.00111	.00084	.00092
%RSD	.45593	.76403	.65774	.00000	3.4065	47.688	1.1048
#1	6.3410	14.676	6.6000	3.2248	.03186	-.00117	.08249
#2	6.3820	14.835	6.6616	3.2248	.03343	-.00235	.08379
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	8.1474	.03336	.62459	L-.04363	-.00283
SDev	.0900	.00001	.00067	.00107	.00123
%RSD	1.1047	.03095	.10769	2.4597	43.687
#1	8.0837	.03335	.62507	L-.04439	-.00195
#2	8.2110	.03337	.62412	L-.04287	-.00370
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-20 Operator: SW
Run Time: 07/12/04 10:59:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.8231	1.9227	-.78410	-.00277	-.00471	23.165	.86020
SDev	.0067	.0113	.01161	.00291	.00011	.031	.00113
%RSD	.36962	.58598	1.4802	105.15	2.2685	.13479	.13157
#1	1.8183	1.9147	-.77589	-.00482	-.00463	23.187	.86100
#2	1.8279	1.9307	-.79230	-.00071	-.00478	23.143	.85940
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	.01135	12.693	.00387	.00850	.15118	.19444	137.15
SDev	.00004	.064	.00022	.00009	.00112	.00052	.52
%RSD	.32375	.50546	5.7079	1.0304	.74114	.26862	.38264
#1	.01133	12.647	.00403	.00844	.15039	.19407	136.78
#2	.01138	12.738	.00372	.00856	.15197	.19481	137.52
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	4.2608	5.6897	9.2813	1.8617	.01557	.00369	.05612
SDev	.0080	.0244	.0306	.0134	.00022	.00271	.00055
%RSD	.18799	.42869	.32984	.71912	1.4047	73.489	.98196
#1	4.2665	5.6724	9.2596	1.8712	.01541	.00177	.05573
#2	4.2552	5.7069	9.3029	1.8523	.01572	.00561	.05651
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	2.3959	.08876	1.8895	L-.26295	-.01458
SDev	.0124	.00426	.0098	.00192	.00426
%RSD	.51571	4.7973	.51647	.73180	29.180
#1	2.3871	.09177	1.8826	L-.26159	-.01157
#2	2.4046	.08575	1.8964	L-.26431	-.01759
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-22 Operator: SW
Run Time: 07/12/04 11:02:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.0481	2.1690	-1.0968	.00546	.00048	24.917	.99680
SDev	.0020	.0175	.0050	.00715	.00000	.061	.00391
%RSD	.09790	.80459	.45391	130.92	.00000	.24673	.39264
#1	2.0467	2.1567	-1.0933	.00041	.00048	24.961	.99957
#2	2.0495	2.1814	-1.1003	.01052	.00048	24.874	.99404
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	.01288	18.566	.00490	.01119	.15404	.13369	136.11
SDev	.00002	.019	.00012	.00022	.00040	.00018	.01
%RSD	.14379	.10305	2.3928	1.9775	.25612	.13541	.01056
#1	.01289	18.552	.00498	.01135	.15376	.13357	136.12
#2	.01287	18.579	.00482	.01103	.15432	.13382	136.10
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	4.0536	5.7639	9.3629	2.2309	.01716	.00373	.06171
SDev	.0048	.0062	.0008	.0037	.00067	.00285	.00000
%RSD	.11910	.10823	.00886	.16481	3.9265	76.447	.00000
#1	4.0502	5.7595	9.3623	2.2335	.01668	.00575	.06171
#2	4.0571	5.7683	9.3635	2.2283	.01763	.00171	.06171
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	2.8227	.07822	2.1288	L-.36159	L-.02418
SDev	.0086	.00138	.0123	.00311	.00530
%RSD	.30411	1.7711	.57818	.86066	21.931
#1	2.8166	.07920	2.1201	L-.36379	L-.02043
#2	2.8288	.07724	2.1375	L-.35939	L-.02793
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-24 Operator: SW
Run Time: 07/12/04 11:05:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	4.2324	4.9529	-5.4438	-.02711	-.01554	33.367	1.1537
SDev	.0129	.0270	.0018	.00293	.00004	.012	.0011
%RSD	.30392	.54574	.03327	10.818	.27496	.03527	.09741
#1	4.2233	4.9338	-5.4425	-.02504	-.01551	33.375	1.1545
#2	4.2415	4.9720	-5.4451	-.02919	-.01557	33.359	1.1529
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	.02232	14.849	.00461	.00642	.14196	.30968	162.55
SDev	.00006	.057	.00016	.00053	.00052	.00009	.48
%RSD	.24860	.38110	3.5169	8.2214	.36683	.02945	.29814
#1	.02228	14.809	.00473	.00680	.14160	.30962	162.21
#2	.02235	14.889	.00450	.00605	.14233	.30975	162.90
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	2.1645	L-5.9829	4.2931	2.5442	.01048	.00900	.05249
SDev	.0132	.0084	.0106	.0013	.00009	.00302	.00018
%RSD	.61094	.13970	.24787	.05296	.86253	33.606	.34999
#1	2.1552	L-5.9770	4.2855	2.5451	.01042	.00686	.05236
#2	2.1739	L-5.9888	4.3006	2.5432	.01054	.01114	.05262
Errors	LC Pass	LC Low	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
Units	PPM	PPM	PPM	PPM	PPM
Avge	2.0487	.15370	4.7130	L-1.8309	L-.09193
SDev	.0078	.00081	.0223	.0026	.00305
%RSD	.37943	.52971	.47344	.13981	3.3197
#1	2.0432	.15312	4.6972	L-1.8291	L-.09408
#2	2.0542	.15428	4.7288	L-1.8327	L-.08977
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-25 Operator: SW
Run Time: 07/12/04 11:07:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.99105	1.1374	-1.1478	-.00161	.00272	17.550	.31258
SDev	.00039	.0065	.0004	.00239	.00029	.127	.00152
%RSD	.03905	.57483	.03119	148.30	10.700	.72510	.48458
#1	.99077	1.1328	-1.1476	.00008	.00292	17.460	.31150
#2	.99132	1.1421	-1.1481	-.00330	.00251	17.640	.31365
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	.00617	3.1610	.00015	.00355	.07055	.07618	90.884
SDev	.00002	.0023	.00007	.00048	.00035	.00025	.275
%RSD	.29862	.07406	48.152	13.618	.49202	.32503	.30284
#1	.00616	3.1594	.00010	.00389	.07030	.07600	90.690
#2	.00618	3.1627	.00020	.00321	.07079	.07635	91.079
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	1.1374	-.78569	4.0403	1.5166	.00580	.00478	.02443
SDev	.0073	.00299	.0084	.0166	.00047	.00001	.00018
%RSD	.63859	.38050	.20705	1.0960	8.1758	.09979	.75189
#1	1.1425	-.78358	4.0344	1.5049	.00614	.00479	.02430
#2	1.1322	-.78780	4.0462	1.5284	.00546	.00478	.02456
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.0219	.24670	1.0887	L-.38330	-.01529
SDev	.0013	.00051	.0045	.00171	.00926
%RSD	.12920	.20642	.41241	.44668	60.562
#1	1.0210	.24634	1.0855	L-.38209	-.00874
#2	1.0228	.24706	1.0919	L-.38451	L-.02183
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 11:10:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49744	.50720	.51885	.50805	.49682	49.945	.47943
SDev	.00044	.00131	.00435	.01176	.00171	.186	.00177
%RSD	.08738	.25896	.83858	2.3155	.34521	.37205	.36851
#1	.49713	.50627	.51578	.49973	.49560	49.813	.47818
#2	.49775	.50813	.52193	.51637	.49803	50.076	.48068
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	.51269	51.265	.48901	.48600	.48959	.50281	20.855
SDev	.00142	.099	.00014	.00247	.00087	.00284	.018
%RSD	.27686	.19215	.02889	.50761	.17748	.56457	.08716
#1	.51169	51.195	.48891	.48425	.48898	.50081	20.842
#2	.51370	51.335	.48911	.48774	.49021	.50482	20.868
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	20.572	51.482	.49281	20.748	.48079	.49199	.50441
SDev	.098	.147	.00067	.130	.00285	.00001	.00110
%RSD	.47570	.28507	.13650	.62428	.59286	.00168	.21878
#1	20.503	51.378	.49233	20.656	.47878	.49199	.50363
#2	20.642	51.586	.49328	20.839	.48281	.49198	.50519
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50009	.50020	.50395	.51165	.52159
SDev	.00094	.00006	.00102	.00929	.00081
%RSD	.18880	.01289	.20256	1.8168	.15529
#1	.49942	.50025	.50323	.50508	.52216
#2	.50075	.50015	.50467	.51822	.52102
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 11:12:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00295	-.00293	.01448	-.00233	.00087	.02627	.00004
SDev	.00055	.00019	.00069	.00327	.00044	.00062	.00005
%RSD	18.474	6.4137	4.7387	140.39	49.987	2.3612	113.14
#1	.00334	-.00307	.01497	-.00465	.00056	.02671	.00001
#2	.00257	-.00280	.01400	-.00002	.00118	.02583	.00008
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	.03860	-.00008	.00002	.00036	.00026	.01410
SDev	.00002	.00000	.00014	.00084	.00025	.00049	.00006
%RSD	11.792	.00000	171.64	4550.5	70.236	189.48	.42425
#1	.00017	.03860	.00002	-.00057	.00018	-.00009	.01414
#2	.00015	.03860	-.00018	.00061	.00054	.00061	.01405
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	.33841	-.00852	.00065	.00080	.00102	.00444	-.00012
SDev	.01228	.00299	.00005	.00010	.00027	.00070	.00037
%RSD	3.6287	35.081	7.9445	11.876	26.965	15.748	311.90
#1	.32972	-.01064	.00068	.00087	.00082	.00494	-.00038
#2	.34709	-.00641	.00061	.00073	.00121	.00395	.00014
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00374	.00237	-.00097	.00327	-.00175
SDev	.00038	.00088	.00006	.00196	.00163
%RSD	10.078	37.125	5.7496	59.848	93.327
#1	-.00400	.00175	-.00093	.00188	-.00290
#2	-.00347	.00299	-.00101	.00465	-.00059
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405097-26 Operator: SW
Run Time: 07/12/04 11:15:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.58113	.63240	-.37241	.00419	-.00488	19.485	.52417
SDev	.00464	.00061	.00267	.00142	.00094	.013	.00042
%RSD	.79887	.09594	.71656	33.752	19.282	.06718	.07922
#1	.57785	.63197	-.37053	.00520	-.00554	19.475	.52387
#2	.58442	.63283	-.37430	.00319	-.00421	19.494	.52446
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	.00833	3.7141	-.00101	.00484	.09797	.04056	112.16
SDev	.00004	.0214	.00026	.00053	.00114	.00029	.49
%RSD	.44482	.57729	25.367	10.911	1.1596	.71707	.44109
#1	.00830	3.6990	-.00119	.00521	.09716	.04035	111.81
#2	.00835	3.7293	-.00083	.00446	.09877	.04076	112.50
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	2.3304	2.0412	3.5921	1.1500	.00576	.00497	.02976
SDev	.0148	.0121	.0163	.0005	.00002	.00082	.00000
%RSD	.63618	.59501	.45450	.04040	.32796	16.462	.00000
#1	2.3199	2.0326	3.5805	1.1503	.00578	.00555	.02976
#2	2.3409	2.0498	3.6036	1.1496	.00575	.00439	.02976
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.91255	.03436	.61533	L-.12122	-.00204
SDev	.00585	.00264	.00195	.00183	.00768
%RSD	.64067	7.6901	.31701	1.5121	376.45
#1	.90842	.03249	.61395	L-.11992	-.00747
#2	.91668	.03623	.61671	L-.12251	.00339
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-27 Operator: SW
Run Time: 07/12/04 11:17:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.54713	.59124	-.35661	.00193	-.00525	21.438	.48110
SDev	.00168	.00451	.00601	.00055	.00045	.012	.00007
%RSD	.30761	.76310	1.6851	28.328	8.5412	.05591	.01479
#1	.54594	.58805	-.35236	.00155	-.00494	21.447	.48105
#2	.54832	.59443	-.36086	.00232	-.00557	21.430	.48115
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	.00834	3.6128	-.00081	.00616	.11017	.04213	114.38
SDev	.00002	.0010	.00020	.00048	.00035	.00013	.07
%RSD	.22331	.02892	24.769	7.8562	.31508	.31876	.05722
#1	.00832	3.6121	-.00066	.00650	.11042	.04222	114.42
#2	.00835	3.6136	-.00095	.00582	.10993	.04203	114.33
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	3.2792	3.3632	3.5464	1.2499	.00533	.00842	.03482
SDev	.0062	.0049	.0014	.0013	.00016	.00546	.00018
%RSD	.18765	.14477	.04035	.10582	3.0892	64.763	.52754
#1	3.2835	3.3667	3.5454	1.2509	.00544	.01228	.03495
#2	3.2748	3.3598	3.5474	1.2490	.00521	.00457	.03469
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.0661	.03603	.57655	L-.11746	-.00473
SDev	.0026	.00453	.00357	.00164	.00247
%RSD	.24773	12.581	.61916	1.3924	52.218
#1	1.0679	.03924	.57403	L-.11630	-.00298
#2	1.0642	.03283	.57908	L-.11862	-.00648
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-29 Operator: SW
Run Time: 07/12/04 11:20:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.2919	2.4496	-1.3863	.00485	-.00877	55.856	.43792
SDev	.0028	.0075	.0055	.00022	.00043	.107	.00123
%RSD	.12172	.30664	.39419	4.5543	4.8707	.19101	.28146
#1	2.2899	2.4443	-1.3901	.00469	-.00907	55.932	.43879
#2	2.2939	2.4549	-1.3824	.00500	-.00847	55.781	.43704
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	.01544	12.691	-.00014	.04069	.18535	.13766	175.91
SDev	.00002	.044	.00005	.00105	.00046	.00041	.36
%RSD	.11932	.34850	34.404	2.5930	.24694	.29598	.20325
#1	.01543	12.660	-.00011	.03995	.18503	.13738	175.66
#2	.01545	12.722	-.00017	.04144	.18567	.13795	176.16
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	4.9159	40.519	7.4904	1.9750	.04962	.00580	.22425
SDev	.0032	.081	.0143	.0074	.00000	.00419	.00018
%RSD	.06436	.19937	.19085	.37254	.00277	72.238	.08195
#1	4.9181	40.462	7.4803	1.9802	.04962	.00284	.22412
#2	4.9136	40.576	7.5005	1.9698	.04962	.00876	.22438
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.6631	.09882	2.3971	L-.45840	L-.02923
SDev	.0138	.00199	.0059	.00197	.00230
%RSD	.83016	2.0181	.24776	.42908	7.8515
#1	1.6533	.10023	2.3929	L-.45979	L-.02761
#2	1.6729	.09741	2.4013	L-.45701	L-.03085
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-30 Operator: SW
Run Time: 07/12/04 11:22:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.1658	1.3435	-1.3216	.00024	-.00664	56.106	.46753
SDev	.0038	.0047	.0122	.00125	.00032	.176	.00172
%RSD	.32278	.34832	.92371	523.21	4.8244	.31362	.36770
#1	1.1632	1.3402	-1.3130	.00112	-.00687	56.231	.46874
#2	1.1685	1.3468	-1.3302	-.00064	-.00642	55.982	.46631
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	.01632	11.875	.00115	.04042	.23072	.12715	160.95
SDev	.00007	.057	.00026	.00128	.00177	.00084	.66
%RSD	.45100	.47925	22.329	3.1538	.76627	.65822	.40854
#1	.01627	11.835	.00097	.03952	.22947	.12656	160.48
#2	.01637	11.916	.00133	.04133	.23197	.12774	161.41
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	5.4810	44.644	6.6634	2.1376	.06166	.00240	.22009
SDev	.0286	.157	.0208	.0167	.00034	.00528	.00092
%RSD	.52169	.35178	.31230	.78137	.55869	220.05	.41752
#1	5.5012	44.533	6.6487	2.1495	.06190	-.00133	.21944
#2	5.4608	44.755	6.6782	2.1258	.06142	.00613	.22074
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.4622	.04714	1.2843	L-.43994	L-.02473
SDev	.0151	.00003	.0044	.00490	.00217
%RSD	1.0336	.05722	.34059	1.1131	8.7817
#1	1.4515	.04716	1.2812	L-.43648	L-.02319
#2	1.4729	.04712	1.2874	L-.44340	L-.02627
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-9A Operator: SW
Run Time: 07/12/04 11:26:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08014	.07842	-.00839	.00483	-.00113	4.2030	.30261
SDev	.00072	.00196	.00080	.00031	.00013	.0095	.00008
%RSD	.90151	2.4975	9.5123	6.5002	11.357	.22614	.02737
#1	.08065	.07704	-.00895	.00506	-.00122	4.2097	.30267
#2	.07963	.07981	-.00782	.00461	-.00104	4.1963	.30255
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	.00165	.21504	-.00076	.00087	.08850	.00320	29.787
SDev	.00002	.00000	.00023	.00092	.00017	.00006	.068
%RSD	1.1279	.00000	30.344	106.08	.19612	2.0452	.22757
#1	.00164	.21504	-.00092	.00152	.08837	.00325	29.740
#2	.00166	.21504	-.00060	.00022	.08862	.00315	29.835
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	1.8004	.02920	.15376	1.1534	.00299	-.00124	.00157
SDev	.0009	.00220	.00030	.0045	.00084	.00119	.00018
%RSD	.04822	7.5422	.19281	.39422	28.077	95.735	11.694
#1	1.7998	.03076	.15355	1.1566	.00358	-.00208	.00170
#2	1.8010	.02764	.15397	1.1502	.00240	-.00040	.00144
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.08330	.00603	.07900	.00043	-.00214
SDev	.00115	.00010	.00107	.00006	.00288
%RSD	1.3781	1.6920	1.3492	13.022	134.49
#1	.08249	.00596	.07824	.00039	-.00418
#2	.08411	.00611	.07975	.00047	-.00010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CRI Operator: SW
Run Time: 07/12/04 11:28:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00675	.00600	.01842	.00941	.01999	.43812	.39438
SDev	.00047	.00211	.00156	.00198	.00016	.00465	.00007
%RSD	6.9868	35.160	8.4577	21.085	.80654	1.0622	.01802
#1	.00641	.00451	.01952	.01081	.02011	.44142	.39433
#2	.00708	.00749	.01731	.00800	.01988	.43483	.39443
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	.01058	9.6400	.00996	.10251	.02009	.05017	.18900
SDev	.00002	.0070	.00001	.00079	.00055	.00054	.00254
%RSD	.16955	.07288	.08169	.77242	2.7481	1.0724	1.3450
#1	.01059	9.6450	.00995	.10307	.02048	.04979	.19080
#2	.01057	9.6351	.00996	.10195	.01970	.05055	.18720
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	9.0846	10.075	.03122	8.9688	.08205	.13303	.10406
SDev	.0124	.013	.00009	.0023	.00071	.00404	.00110
%RSD	.13649	.12819	.28864	.02555	.86734	3.0404	1.0594
#1	9.0758	10.084	.03128	8.9672	.08255	.13589	.10484
#2	9.0934	10.066	.03115	8.9705	.08154	.13017	.10328
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.04274	.01003	.00625	.01241	.01972
SDev	.00058	.00166	.00156	.00184	.00168
%RSD	1.3513	16.504	25.031	14.844	8.5125
#1	.04233	.00886	.00514	.01371	.02091
#2	.04315	.01120	.00735	.01110	.01854
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Analysis Report QC Standard 07/12/04 11:35:00 AM

Method: TRACE Sample Name: ICSA Operator: SW
Run Time: 07/12/04 11:32:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.03611	.01502	-.01065	.00274	.00034	493.06	.00078
SDev	.00180	.00301	.00743	.00006	.00066	2.86	.00007
%RSD	4.9766	20.018	69.708	2.2479	196.89	.57966	9.1240
#1	-.03738	.01714	-.01590	.00278	.00080	491.04	.00083
#2	-.03484	.01289	-.00540	.00269	-.00013	495.08	.00073
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	.00119	520.64	-.00087	.00363	-.00021	-.00099	207.53
SDev	.00000	5.49	.00001	.00013	.00071	.00064	.94
%RSD	.03270	1.0551	1.1744	3.6380	338.80	64.422	.45303
#1	.00119	524.53	-.00087	.00353	.00029	-.00054	208.19
#2	.00119	516.76	-.00088	.00372	-.00071	-.00145	206.86
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	.33172	523.55	.00794	.13792	.00334	.00274	.00534
SDev	.04922	2.63	.00012	.00099	.00086	.00197	.00073
%RSD	14.839	.50143	1.4593	.71976	25.624	71.729	13.766
#1	.36653	525.41	.00802	.13722	.00395	.00135	.00586
#2	.29691	521.70	.00785	.13862	.00273	.00413	.00482
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00975	.00289	-.00201	-.00172	.00035
SDev	.00078	.00102	.00141	.00243	.00250
%RSD	8.0094	35.141	70.120	141.14	721.22
#1	.01031	.00361	-.00101	-.00344	.00212
#2	.00920	.00218	-.00300	-.00000	-.00142
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	.04000	.02000	.00600	.01000	.02000

Method: TRACE Sample Name: ICSAB Operator: SW
Run Time: 07/12/04 11:35:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01633	.06396	.04479	.06060	.20678	497.11	.47149
SDev	.00269	.00465	.00359	.00954	.00013	.17	.00030
%RSD	16.487	7.2644	8.0167	15.740	.06122	.03383	.06287
#1	.01443	.06724	.04225	.05386	.20669	497.23	.47169
#2	.01824	.06067	.04733	.06735	.20687	496.99	.47128
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	.48207	523.29	.90841	.46127	.46013	.53171	209.36
SDev	.00091	.63	.00032	.00097	.00089	.00030	.31
%RSD	.18969	.12111	.03465	.21002	.19225	.05599	.14745
#1	.48143	522.84	.90819	.46058	.45951	.53193	209.14
#2	.48272	523.74	.90863	.46195	.46076	.53150	209.58
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	.27151	527.00	.47699	.10411	.88891	.58836	.48959
SDev	.00052	.63	.00060	.00011	.00036	.00450	.00110
%RSD	.19263	.11918	.12473	.10742	.04099	.76525	.22540
#1	.27114	526.56	.47656	.10419	.88917	.59154	.48881
#2	.27188	527.44	.47741	.10403	.88865	.58517	.49037
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.92589	.10651	.04810	.05534	.10042
SDev	.00132	.00047	.00220	.00756	.00690
%RSD	.14258	.44148	4.5783	13.659	6.8694
#1	.92495	.10684	.04966	.04999	.10530
#2	.92682	.10618	.04654	Q.06068	.09554
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000
Range	20.000	20.000	20.000	20.000	20.000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 11:37:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49768	.51489	.51972	.51614	.50029	49.984	.48234
SDev	.00459	.00057	.00027	.00982	.00019	.014	.00055
%RSD	.92186	.11019	.05149	1.9034	.03858	.02750	.11309
#1	.49443	.51449	.51991	.50919	.50042	49.975	.48196
#2	.50092	.51529	.51954	.52309	.50015	49.994	.48273
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	.51840	52.004	.49757	.49294	.49641	.50443	21.074
SDev	.00097	.001	.00069	.00163	.00017	.00005	.038
%RSD	.18744	.00169	.13816	.33063	.03501	.00907	.17895
#1	.51771	52.004	.49708	.49179	.49628	.50447	21.047
#2	.51909	52.003	.49805	.49410	.49653	.50440	21.100
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	20.650	51.989	.49728	20.792	.48741	.49565	.50962
SDev	.035	.023	.00079	.004	.00080	.00591	.00000
%RSD	.16776	.04396	.15869	.02069	.16433	1.1922	.00000
#1	20.625	51.973	.49672	20.789	.48798	.49147	.50962
#2	20.674	52.005	.49784	20.796	.48684	.49983	.50962
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50983	.50936	.50916	.51733	.51879
SDev	.00038	.00444	.00191	.00646	.00080
%RSD	.07407	.87222	.37438	1.2494	.15441
#1	.51010	.50622	.50781	.51276	.51936
#2	.50957	.51250	.51051	.52190	.51823
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 11:40:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00039	.00010	.00740	-.00305	.00087	.05543	.00001
SDev	.00139	.00316	.00874	.00041	.00010	.00426	.00002
%RSD	357.02	3025.4	118.14	13.328	10.884	7.6865	282.83
#1	.00137	-.00213	.00122	-.00334	.00080	.05844	-.00001
#2	-.00059	.00234	.01358	-.00277	.00094	.05242	.00003
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	.00018	.06014	-.00018	-.00001	.00046	.00052	.02216
SDev	.00002	.00438	.00009	.00044	.00030	.00013	.00820
%RSD	10.073	7.2803	51.087	3450.3	65.193	24.814	37.004
#1	.00020	.06323	-.00012	-.00032	.00025	.00043	.02796
#2	.00017	.05704	-.00025	.00030	.00067	.00061	.01636
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	.38729	.02161	.00027	.00152	.00040	-.00172	.00001
SDev	.00303	.00285	.00000	.00064	.00031	.00178	.00018
%RSD	.78212	13.180	.00000	42.326	77.751	103.84	1517.9
#1	.38514	.02363	.00027	.00198	.00018	-.00046	-.00012
#2	.38943	.01960	.00027	.00107	.00062	-.00298	.00014
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00374	-.00105	.00020	.00043	.00212
SDev	.00113	.00112	.00164	.00318	.00302
%RSD	30.233	106.58	825.20	744.48	142.50
#1	-.00454	-.00184	-.00096	-.00182	.00425
#2	-.00294	-.00026	.00136	.00268	-.00002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

HEADER INFORMATION FOR ANALYTICAL SEQUENCE T40714A

SW

Reviewed 7/15/04

STANDARD SOLUTION CODES

MIX A High Standard (ST040602-1) exp 06/02/05

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

---

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

4.0ml Intermediate Mix (ST040602-2) exp 05/21/05
0.04ml 1000ug/ml Ag (ST040602-37) exp 08/21/05
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

---

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

0.1ml Intermediate RL STD MIX 1 (ST040602-7) exp 5/21/05
0.1ml Intermediate RL STD MIX 2 (ST040602-8) exp 6/02/05

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

Element	Concentration (ug/ml)
Ca,Mg,Na,K	0.5
Al,Fe	0.1
Sb	0.008
Pb	0.003
Ba,Cr,Co,Cu	0.002
Mn,Ag,V	0.002
Be,Cd	0.001

ICSA (preparation date: 07/12/04)
Made by diluting:
10ml (ST040525-43) exp 11/07/05
to 100ml final volume

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

ICSAB (prepraration date: 07/01/04)
Made by diluting:
10ml (ST040525-43) exp 11/07/05
1.0ml (ST040525-42) exp 11/13/05
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Cd,Ni,Zn	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: 07/12/04
made by diluting:
0.5ml IV-7 (ST040521-31) exp 06/01/05
0.5ml IV-19 (ST040521-32) exp 06/01/05
5.0ml Major Element 2nd source (ST040602-3) exp 06/02/05
to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	50.5

Fe,Na	20.5
K	20.0
Ba,Be,Cd,Co,Cr	0.5
Cu,Mn,Ni,Sb,V,Zn	0.5
As,Pb,Se,Tl	0.5
Ag	0.5

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
Ba,Be,Cd,Co,Cr	0.25
Cu,Mn,Ni,Sb,V,Zn	0.25
As,Pb,Se,Tl	0.25
Ag	0.25

CRI (preparation date: 07/12/04)
Made by diluting:
1.0ml intermediate solution 1 (ST040602-4) exp 11/07/05
1.0ml intermediate solution 2 (ST040602-5) exp 11/07/05
1.0ml intermediate solution 3 (ST040602-6) exp 11/07/05
0.5ml 2000ug/ml Ca,Mg,Na,K (ST040601-4) exp 11/07/05
to 100ml final volume.

Element	ug/ml
Ca,Mg,Na,K	10.0
Fe	0.2
Al,Ba	0.4
Tl,Cr,Ag	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 -- A16051
HCl -- X25027

Pipet ID Numbers

1.0 to 5.0ml M-55

0.1 to 1.0ml AB-001

0.01 to 0.1ml M-57

Date of Multi-point calibration: 07/14/04

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
Ni (10)	Pb,Al
V (10)	Al,Be,Fe

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.

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

ANALYTICAL SPIKES

0407073-2A post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Fe 1.0

0.05ml of "IV-19 Spike" (ST040521-32) brought to 5ml final volume with digestate.

0407042-2A post spiked for the following element(s) at the listed concentration (ug/ml in digestate)

Ca 101.0
Sb 1.0

0.05ml of 10000ug/ml Ca (ST040525-15) and 0.05ml of "IV-19 Spike" (ST040521-32) 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 06/15/04 (SW)

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode

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

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	MIXBHIGH	T	TRACE	07/14/04	09:01	SW	Q	CONC
2	MIXAHIGH	T	TRACE	07/14/04	09:03	SW	Q	CONC
3	ICV	T	TRACE	07/14/04	09:06	SW	Q	CONC
4	ICB	T	TRACE	07/14/04	09:09	SW	B	CONC
5	CRI	T	TRACE	07/14/04	09:11	SW	S	CONC
6	ICSA	T	TRACE	07/14/04	09:24	SW	Q	CONC
7	ICSAB	T	TRACE	07/14/04	09:27	SW	Q	CONC
8	CCV	T	TRACE	07/14/04	09:29	SW	Q	CONC
9	CCB	T	TRACE	07/14/04	09:32	SW	B	CONC
10	IP040713-1MB	T	TRACE	07/14/04	09:41	SW	S	CONC
11	IP040713-1LCS	T	TRACE	07/14/04	09:43	SW	S	CONC
12	0407072-1	T	TRACE	07/14/04	09:46	SW	S	CONC
13	0407072-1D	T	TRACE	07/14/04	09:49	SW	S	CONC
14	0407072-1L 5X	T	TRACE	07/14/04	09:51	SW	S	CONC
15	0407072-1MS	T	TRACE	07/14/04	09:54	SW	S	CONC
16	0407072-1MSD	T	TRACE	07/14/04	09:56	SW	S	CONC
17	0407072-2	T	TRACE	07/14/04	09:59	SW	S	CONC
18	0407072-2D	T	TRACE	07/14/04	10:01	SW	S	CONC
19	0407072-2L 5X	T	TRACE	07/14/04	10:04	SW	S	CONC
20	CCV	T	TRACE	07/14/04	10:06	SW	Q	CONC
21	CCB	T	TRACE	07/14/04	10:09	SW	B	CONC
22	0407072-2MS	T	TRACE	07/14/04	10:11	SW	S	CONC
23	0407072-2MSD	T	TRACE	07/14/04	10:14	SW	S	CONC
24	0407072-3	T	TRACE	07/14/04	10:16	SW	S	CONC
25	0407072-4	T	TRACE	07/14/04	10:19	SW	S	CONC
26	0407072-5	T	TRACE	07/14/04	10:21	SW	S	CONC
27	0407072-6	T	TRACE	07/14/04	10:24	SW	S	CONC
28	0407072-7	T	TRACE	07/14/04	10:26	SW	S	CONC
29	0407072-8	T	TRACE	07/14/04	10:29	SW	S	CONC
30	0407072-9	T	TRACE	07/14/04	10:31	SW	S	CONC
31	0407072-10	T	TRACE	07/14/04	10:34	SW	S	CONC
32	CCV	T	TRACE	07/14/04	10:36	SW	Q	CONC
33	CCB	T	TRACE	07/14/04	10:39	SW	B	CONC
34	0407072-11	T	TRACE	07/14/04	10:41	SW	S	CONC
35	0407072-12	T	TRACE	07/14/04	10:44	SW	S	CONC
36	0407072-13	T	TRACE	07/14/04	10:46	SW	S	CONC
37	0407072-14	T	TRACE	07/14/04	10:49	SW	S	CONC
38	0407072-15	T	TRACE	07/14/04	10:52	SW	S	CONC
39	0407072-16	T	TRACE	07/14/04	10:57	SW	S	CONC
40	0407072-17	T	TRACE	07/14/04	10:59	SW	S	CONC
41	0407072-18	T	TRACE	07/14/04	11:02	SW	S	CONC
42	0407072-19	T	TRACE	07/14/04	11:04	SW	S	CONC
43	0407072-20	T	TRACE	07/14/04	11:07	SW	S	CONC
44	CCV	T	TRACE	07/14/04	11:09	SW	Q	CONC
45	CCB	T	TRACE	07/14/04	11:15	SW	B	CONC
46	~~IP040713-2MB~~	T	TRACE	07/14/04	11:18	SW	S	CONC
47	IP040713-2MB	T	TRACE	07/14/04	11:22	SW	S	CONC
48	IP040713-2LCS	T	TRACE	07/14/04	11:24	SW	S	CONC
49	0407019-1	T	TRACE	07/14/04	11:27	SW	S	CONC
50	0407019-2	T	TRACE	07/14/04	11:30	SW	S	CONC
51	0407019-3	T	TRACE	07/14/04	11:32	SW	S	CONC
52	0407019-4	T	TRACE	07/14/04	11:35	SW	S	CONC
53	0407019-5	T	TRACE	07/14/04	11:37	SW	S	CONC
54	0407019-6	T	TRACE	07/14/04	11:40	SW	S	CONC

Trace ZD

Not used SW 7/15/04

Zn

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
55	0407019-7 Zn	T	TRACE	07/14/04	11:42	SW	S	CONC
56	CCV	T	TRACE	07/14/04	11:45	SW	Q	CONC
57	CCB	T	TRACE	07/14/04	11:47	SW	B	CONC
58	0407037-1 Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Mg, Mn, Mo, Ni, Pb, Sb, Se, Tl, Zn	T	TRACE	07/14/04	11:49	SW	S	CONC
59	0407072-21 Trace 2X	T	TRACE	07/14/04	11:52	SW	S	CONC
60	0407072-22	T	TRACE	07/14/04	11:55	SW	S	CONC
61	0407073-1	T	TRACE	07/14/04	11:57	SW	S	CONC
62	0407073-1D	T	TRACE	07/14/04	12:00	SW	S	CONC
63	0407073-1L 5X	T	TRACE	07/14/04	12:02	SW	S	CONC
64	0407073-1MS	T	TRACE	07/14/04	12:05	SW	S	CONC
65	0407073-1MSD	T	TRACE	07/14/04	12:07	SW	S	CONC
66	0407073-2	T	TRACE	07/14/04	12:10	SW	S	CONC
67	0407073-2D	T	TRACE	07/14/04	12:13	SW	S	CONC
68	CCV	T	TRACE	07/14/04	12:17	SW	Q	CONC
69	CCB	T	TRACE	07/14/04	12:19	SW	B	CONC
70	0407073-2L 5X	T	TRACE	07/14/04	12:24	SW	S	CONC
71	0407073-2MS	T	TRACE	07/14/04	12:27	SW	S	CONC
72	0407073-2MSD	T	TRACE	07/14/04	12:29	SW	S	CONC
73	0407073-3	T	TRACE	07/14/04	12:32	SW	S	CONC
74	0407073-4	T	TRACE	07/14/04	12:34	SW	S	CONC
75	0407073-2A Fe	T	TRACE	07/14/04	12:39	SW	S	CONC
76	0405097-17 ~~5X~~ 2X Mn, Pb	T	TRACE	07/14/04	12:42	SW	S	CONC
77	CRI SW	T	TRACE	07/14/04	12:45	SW	S	CONC
78	ICSA 7/15/04	T	TRACE	07/14/04	12:48	SW	Q	CONC
79	ICSAB	T	TRACE	07/14/04	12:50	SW	Q	CONC
80	CCV	T	TRACE	07/14/04	12:53	SW	Q	CONC
81	CCB	T	TRACE	07/14/04	12:55	SW	B	CONC
82	IP040713-4MB	T	TRACE	07/14/04	13:06	SW	S	CONC
83	IP040713-4LCS	T	TRACE	07/14/04	13:08	SW	S	CONC
84	IP040713-4LCSD	T	TRACE	07/14/04	13:11	SW	S	CONC
85	0405241-6 2X Not used	T	TRACE	07/14/04	13:13	SW	S	CONC
86	0407025-1 Al, Pb	T	TRACE	07/14/04	13:16	SW	S	CONC
87	0407039-1 TAL - ①	T	TRACE	07/14/04	13:18	SW	S	CONC
88	0407039-2	T	TRACE	07/14/04	13:21	SW	S	CONC
89	0407039-3 TAL	T	TRACE	07/14/04	13:23	SW	S	CONC
90	0407039-4 TAL - ①	T	TRACE	07/14/04	13:26	SW	S	CONC
91	0407042-1 Pb	T	TRACE	07/14/04	13:28	SW	S	CONC
92	CCV	T	TRACE	07/14/04	13:31	SW	Q	CONC
93	CCB	T	TRACE	07/14/04	13:34	SW	B	CONC
94	0407042-2 Pb	T	TRACE	07/14/04	13:36	SW	S	CONC
95	0407042-2D	T	TRACE	07/14/04	13:39	SW	S	CONC
96	0407042-2L 5X	T	TRACE	07/14/04	13:41	SW	S	CONC
97	0407042-2MS	T	TRACE	07/14/04	13:44	SW	S	CONC
98	0407042-2MSD	T	TRACE	07/14/04	13:46	SW	S	CONC
99	0407042-3	T	TRACE	07/14/04	13:49	SW	S	CONC
100	0407042-4	T	TRACE	07/14/04	13:51	SW	S	CONC
101	0407042-5	T	TRACE	07/14/04	13:54	SW	S	CONC
102	0407042-6	T	TRACE	07/14/04	13:56	SW	S	CONC
103	0407063-1 TAL	T	TRACE	07/14/04	13:59	SW	S	CONC
104	CCV	T	TRACE	07/14/04	14:01	SW	Q	CONC
105	CCB	T	TRACE	07/14/04	14:04	SW	B	CONC
106	0407063-2	T	TRACE	07/14/04	14:06	SW	S	CONC
107	0407063-3	T	TRACE	07/14/04	14:09	SW	S	CONC
108	0407063-4	T	TRACE	07/14/04	14:11	SW	S	CONC

① = Fe, Cd, Pb, Se, Tl

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
109	0405241-6 10X Ba	T	TRACE	07/14/04	14:16	SW	S	CONC
110	0407039-1 2X Fe,Cd,Pb,Se,Tl	T	TRACE	07/14/04	14:19	SW	S	CONC
111	0407039-2 2X	T	TRACE	07/14/04	14:21	SW	S	CONC
112	0407039-4 2X	T	TRACE	07/14/04	14:24	SW	S	CONC
113	0407042-2A Ca,Sb	T	TRACE	07/14/04	14:26	SW	S	CONC
114	IP040713-3MB	T	TRACE	07/14/04	14:29	SW	S	CONC
115	IP040713-3LCS	T	TRACE	07/14/04	14:31	SW	S	CONC
116	CCV	T	TRACE	07/14/04	14:34	SW	Q	CONC
117	CCB	T	TRACE	07/14/04	14:37	SW	B	CONC
118	IP040713-3LCSD	T	TRACE	07/14/04	14:39	SW	S	CONC
119	0406162-2 RCRA+Be	T	TRACE	07/14/04	14:42	SW	S	CONC
120	0406162-2D	T	TRACE	07/14/04	14:44	SW	S	CONC
121	0406162-2L 5X	T	TRACE	07/14/04	14:47	SW	S	CONC
122	0406162-2MS	T	TRACE	07/14/04	14:49	SW	S	CONC
123	0406162-2MSD	T	TRACE	07/14/04	14:52	SW	S	CONC
124	0406162-3	T	TRACE	07/14/04	14:54	SW	S	CONC
125	CCV	T	TRACE	07/14/04	14:57	SW	Q	CONC
126	CCB	T	TRACE	07/14/04	14:59	SW	B	CONC
127	CCV	T	TRACE	07/14/04	16:31	SW	Q	CONC
128	CCB	T	TRACE	07/14/04	16:34	SW	B	CONC
129	IDL-1 TAL	T	TRACE	07/14/04	16:37	SW	S	CONC
130	IDL-2	T	TRACE	07/14/04	16:39	SW	S	CONC
131	IDL-3	T	TRACE	07/14/04	16:42	SW	S	CONC
132	IDL-4	T	TRACE	07/14/04	16:44	SW	S	CONC
133	IDL-5	T	TRACE	07/14/04	16:47	SW	S	CONC
134	IDL-6	T	TRACE	07/14/04	16:49	SW	S	CONC
135	IDL-7	T	TRACE	07/14/04	16:52	SW	S	CONC
136	CRI	T	TRACE	07/14/04	16:54	SW	S	CONC
137	ICSA	T	TRACE	07/14/04	16:57	SW	Q	CONC
138	ICSAB	T	TRACE	07/14/04	16:59	SW	Q	CONC
139	CCV	T	TRACE	07/14/04	17:02	SW	Q	CONC
140	CCB	T	TRACE	07/14/04	17:06	SW	B	CONC

#	Element	MIXBHIGH	MIXAHIGH	ICV	ICB	CRI	ICSA
1	Al	.08262	497.12	24.561	-.00626	.45081	482.46
2	Sb	2.0095	.01000	.25817	-.00096	.13167	-.00267
3	As	10.007	.00500	.24638	-.00042	.01058	.00103
4	Ba	9.9282	.00246	.23708	.00043	.39116	.00076
5	Be	10.071	.00245	.25408	.00051	.01070	.00114
6	Cd	10.020	.00106	.24336	.00021	.01056	.00012
7	Ca	.05152	493.60	24.759	.03820	9.4674	492.48
8	Cr	9.9859	.00535	.24361	-.00016	.02004	.00008
9	Co	10.033	.00539	.24135	-.00003	.10056	.00376
10	Cu	10.005	.00406	.24910	.00012	.05436	-.00107
11	Fe	-.03933	198.32	10.108	.01471	.19966	199.65
12	Pb	10.024	-.00005	.24769	-.00105	.00596	.00050
13	Mg	.01346	494.58	24.819	.03249	9.6494	499.88
14	Mn	9.9931	.00838	.24548	.00012	.03120	.00736
15	Ni	10.016	.00448	.23952	.00023	.08243	.00306
16	K_	.15001	99.728	9.9269	.27501	9.1291	.23430
17	Se	10.003	-.00266	.24533	.00093	.00890	-.00518
18	Ag	1.9883	.00220	.24177	.00002	.02044	.00002
19	Na	.10670	99.455	9.9996	.08592	8.9997	.18447
20	Tl	10.016	.00592	.25624	-.00058	.02123	.00886
21	V_	9.9944	.00631	.25116	.00014	.10314	.00477
22	Zn	10.027	.01266	.24856	-.00085	.05421	.01157

#	Element	ICSAB	CCV	CCB	IPO'-1MB	IPO'1LCS	040'72-1
					-0713 →		-072
1	Al	491.08	49.260	.02664	.00363	2.1379	.32157
2	Sb	.58858	.49352	.00123	-.00121	.49897	.00363
3	As	.09006	.49702	-.00068	-.00059	2.0416	.00049
4	Ba	.46421	.47397	.00004	.00048	1.8988	.03598
5	Be	.46751	.50256	.00009	.00005	.05108	.00015
6	Cd	.87058	.47817	.00002	-.00024	.04903	-.00007
7	Ca	498.88	50.289	.06114	.05778	38.741	32.720
8	Cr	.44582	.48007	-.00007	-.00061	.19199	-.00029
9	Co	.44642	.47645	.00002	-.00036	.48364	.00120
10	Cu	.53182	.50086	-.00037	-.00038	.24808	.00485
11	Fe	203.55	20.521	.02390	.01852	.89486	.18156
12	Pb	.04671	.49015	-.00022	-.00116	.50446	-.00230
13	Mg	508.46	50.074	.05979	.03403	39.150	6.1575
14	Mn	.46613	.48500	-.00020	-.00024	.48835	.06041
15	Ni	.85722	.46922	.00008	.00037	.47871	.00426
16	K_	.17626	20.259	.32369	.34611	38.498	1.3250
17	Se	.04923	.48950	-.00250	-.00232	2.1699	-.00183
18	Ag	.20474	.48898	.00028	-.00005	.04936	.00023
19	Na	.16703	20.379	.08302	.08042	37.291	3.6964
20	Tl	.09671	.50901	.00144	.00353	2.0748	.00273
21	V_	.47911	.49763	-.00049	.00002	.48927	.00002
22	Zn	.89013	.48787	-.00085	-.00046	.49589	.01740

#	Element	040'2-1D	040'L 5X	040'-1MS	040'1MSD	040'72-2	040'2-2D
		-072	→				
1	Al	.30646	.04958	2.4258	2.4545	.15335	.15752
2	Sb	-.00287	-.00367	.50626	.49909	.00156	-.00166
3	As	-.00090	.00191	2.0543	2.0747	-.00113	.00046
4	Ba	.03552	.00717	1.9238	1.9411	.03504	.03479
5	Be	.00016	.00003	.05134	.05147	.00014	.00013
6	Cd	-.00010	-.00008	.04930	.04913	-.00017	-.00011
7	Ca	32.920	6.2416	73.483	73.621	32.937	33.024
8	Cr	.00469	-.00017	.19103	.19181	-.00028	-.00039
9	Co	.00111	.00018	.48258	.48255	.00494	.00448
10	Cu	.00445	.00055	.25273	.25551	.00207	.00196
11	Fe	.13930	.03871	.94284	.96045	.02202	.02250
12	Pb	-.00274	-.00212	.50546	.50483	-.00260	-.00284
13	Mg	6.1833	1.2463	45.639	45.842	6.1631	6.1673
14	Mn	.06032	.01201	.54646	.54873	.06012	.06014
15	Ni	.00438	.00064	.47955	.48061	.00443	.00378
16	K_	1.3125	.51961	40.245	40.949	1.3362	1.3321
17	Se	-.00149	.00037	2.1908	2.1933	-.00430	.00062
18	Ag	.00031	-.00005	.05003	.05036	.00047	-.00002
19	Na	3.7302	.77149	41.307	42.050	3.7785	3.7700
20	Tl	.00241	.00205	2.0675	2.0797	.00595	.00120
21	V_	.00014	-.00010	.48682	.49030	-.00023	-.00010
22	Zn	.01645	.00243	.50852	.50839	.00926	.00858

#	Element	040'L 5X	CCV	CCB	040'-2MS	040'2MSD	040'72-3
		-072			-072	→	
1	Al	.01696	50.068	-.00721	2.3173	2.3011	.64827
2	Sb	.00065	.49180	.00067	.50343	.50648	.00148
3	As	.00160	.49262	.00021	2.0568	2.0734	-.00082
4	Ba	.00702	.47803	.00008	1.9370	1.9350	.03433
5	Be	.00002	.50407	.00007	.05143	.05170	.00038
6	Cd	-.00012	.47959	-.00020	.04945	.04986	.00008
7	Ca	6.2105	50.385	.03715	73.593	73.919	38.932
8	Cr	-.00031	.48294	-.00018	.19210	.19226	.00016
9	Co	.00131	.47946	-.00015	.48636	.48725	.00141
10	Cu	.00000	.50727	-.00062	.25234	.25229	.00795
11	Fe	.01303	20.654	.01154	.93180	.88829	.30687
12	Pb	-.00244	.49103	-.00108	.50507	.50883	-.00081
13	Mg	1.2342	50.319	.02634	45.851	45.913	7.7867
14	Mn	.01187	.48708	-.00026	.54872	.54962	.08557
15	Ni	.00096	.47089	.00043	.48353	.48284	.01005
16	K_	.48400	20.749	.30108	40.953	40.510	1.4850
17	Se	-.00141	.49450	-.00362	2.2014	2.2047	.00247
18	Ag	.00032	.49235	.00065	.05061	.05027	.00081
19	Na	.76937	20.941	.08612	42.075	41.639	4.2486
20	Tl	-.00058	.51477	.00203	2.0902	2.0964	.00073
21	V_	-.00023	.49917	-.00036	.48940	.48952	.00027
22	Zn	.00048	.48918	-.00138	.50287	.50892	.06250

#	Element	040'72-4	040'72-5	040'72-6	040'72-7	040'72-8	040'72-9
		~072 →					
1	Al	.34639	.92795	.26906	1.0134	.26425	.42422
2	Sb	-.00261	.00080	-.00411	-.00006	-.00338	.00189
3	As	.00130	-.00061	-.00113	.00002	.00072	-.00210
4	Ba	.03323	.03596	.03317	.03575	.03395	.03600
5	Be	.00018	.00041	.00016	.00044	.00018	.00033
6	Cd	-.00009	.00013	.00002	.00030	.00015	.00021
7	Ca	38.813	39.204	39.383	40.372	40.198	39.565
8	Cr	.00026	-.00046	-.00013	-.00037	-.00062	-.00031
9	Co	.00089	.00221	.00160	.00218	.00166	.00132
10	Cu	.00395	.01002	.00368	.01053	.00343	.00450
11	Fe	.04701	.22773	.01568	.13284	.00789	.13521
12	Pb	-.00312	-.00232	-.00296	-.00345	-.00295	-.00094
13	Mg	7.7877	7.8936	7.9220	8.1786	8.1484	7.9580
14	Mn	.07687	.12798	.11717	.17116	.16463	.07746
15	Ni	.00912	.01115	.01054	.01233	.01203	.01110
16	K_	1.4298	1.4125	1.4653	1.4662	1.4391	1.4690
17	Se	-.00169	-.00068	-.00007	-.00212	-.00193	.00004
18	Ag	.00045	.00031	-.00013	.00044	.00006	.00060
19	Na	4.3218	4.4017	4.4084	4.5268	4.4789	4.3456
20	Tl	.00538	.00280	.00241	-.00020	-.00168	.00063
21	V_	.00002	-.00010	-.00010	-.00036	-.00036	-.00010
22	Zn	.04136	.07678	.04832	.09157	.05648	.07051

#	Element	040'2-10	CCV	CCB	040'2-11	040'2-12	040'2-13
		~072			~072 →		
1	Al	.18323	50.382	-.00103	.33048	.15601	-.00227
2	Sb	-.00149	.50338	-.00328	-.00272	.00048	-.00121
3	As	-.00232	.50720	-.00057	-.00059	-.00109	-.00064
4	Ba	.03522	.47814	.00006	.03669	.03565	.00034
5	Be	.00022	.51510	.00013	.00023	.00014	.00023
6	Cd	-.00004	.49238	-.00007	-.00005	-.00009	.00000
7	Ca	39.888	51.790	.04167	34.148	33.866	.05793
8	Cr	-.00017	.49313	-.00017	-.00036	-.00021	-.00039
9	Co	.00108	.48852	.00008	.00108	.00791	.00021
10	Cu	.00327	.50599	-.00066	.00446	.00226	-.00030
11	Fe	.06277	21.108	.00692	.11430	.08332	.26551
12	Pb	-.00173	.50394	-.00162	-.00218	-.00111	-.00216
13	Mg	8.0127	51.383	.02807	6.4113	6.3809	.03172
14	Mn	.07286	.49582	-.00028	.07021	.07327	.00088
15	Ni	.01150	.48243	.00028	.00396	.00475	.00051
16	K_	1.4727	20.849	.36280	1.4147	1.3567	.27824
17	Se	-.00032	.49960	-.00300	-.00408	-.00083	-.00268
18	Ag	.00031	.49581	.00048	.00038	.00063	.00006
19	Na	4.3895	21.019	.08810	3.8693	3.9829	.14795
20	Tl	.00210	.52036	.00293	.00541	-.00115	.00334
21	V_	-.00036	.50689	-.00049	.00040	-.00010	.00002
22	Zn	.06036	.50681	-.00098	.01943	.01103	.00394

#	Element	040'2-14	040'2-15	040'2-16	040'2-17	040'2-18	040'2-19
		072					
1	Al	-.00639	.48269	.26563	.43089	.23389	.43075
2	Sb	-.00017	.00001	-.00310	-.00211	.00074	.00046
3	As	-.00199	-.00201	-.00118	-.00139	.00021	-.00087
4	Ba	.00002	.03285	.03160	.03264	.03156	.03275
5	Be	.00002	.00020	.00013	.00023	.00038	.00020
6	Cd	-.00024	-.00009	-.00025	-.00018	-.00008	.00004
7	Ca	.04137	35.655	35.187	35.689	35.763	35.708
8	Cr	-.00031	-.00015	-.00064	.00003	-.00011	.00005
9	Co	.00027	.00154	.00368	.00144	.00212	.00178
10	Cu	-.00038	.00673	.00298	.00563	.00287	.00624
11	Fe	.01630	.17154	.02309	.10618	.21347	.14978
12	Pb	-.00131	-.00145	-.00108	-.00266	-.00171	-.00170
13	Mg	.01923	7.3285	7.2478	7.3267	7.3217	7.3242
14	Mn	-.00014	.08511	.08169	.07551	.06935	.07626
15	Ni	.00078	.00497	.00487	.00488	.00472	.00526
16	K_	.29387	1.4634	1.4205	1.4128	1.4526	1.4366
17	Se	-.00047	-.00048	.00099	-.00417	-.00153	-.00172
18	Ag	.00039	.00077	-.00028	.00063	.00028	.00065
19	Na	.11341	4.4488	4.4912	4.4126	4.4262	4.3635
20	Tl	-.00063	.00185	.00118	.00421	-.00138	.00513
21	V_	-.00010	-.00036	-.00023	.00027	-.00023	.00053
22	Zn	-.00098	.02334	.01754	.02159	.01415	.02145

#	Element	040'2-20	CCV	CCB	IPO'-2MB	IPO'-2MB	IPO'2LCS
		072			071	071	
1	Al	.22344	51.022	.00003	-.01460	-.01501	2.2030
2	Sb	.00094	.50308	-.00211	-.00306	-.00084	.51362
3	As	-.00076	.50808	.00146	-.00231	-.00144	2.1216
4	Ba	.03124	.48401	.00006	.00013	-.00005	1.9296
5	Be	.00016	.51540	.00015	.00013	.00002	.05297
6	Cd	-.00012	.49298	-.00004	-.00019	-.00021	.05111
7	Ca	35.706	51.937	.04212	.04091	.02552	40.507
8	Cr	-.00060	.49450	-.00008	.00015	-.00048	.20826
9	Co	.00969	.48972	.00002	.00015	-.00046	.49990
10	Cu	.00285	.51254	-.00045	-.00019	-.00077	.25250
11	Fe	.04643	21.222	.01578	.03623	.00352	1.1230
12	Pb	-.00448	.50625	-.00051	-.00202	-.00112	.52580
13	Mg	7.3238	51.601	.02961	.01808	.01135	40.735
14	Mn	.07891	.49824	-.00023	.00065	-.00041	.50679
15	Ni	.00563	.48177	-.00001	.00029	-.00042	.50864
16	K_	1.4261	21.178	.36775	.36139	.35731	39.625
17	Se	.00160	.50403	.00090	.00119	.00047	2.2814
18	Ag	.00010	.49986	.00009	.00009	.00015	.05133
19	Na	4.4625	21.412	.08800	.10291	.08347	38.613
20	Tl	.00060	.52412	-.00150	-.00076	-.00121	2.1533
21	V_	-.00049	.50882	-.00010	-.00010	-.00049	.50329
22	Zn	.00872	.50773	-.00112	.00034	-.00098	.52352

#	Element	040'19-1	040'19-2	040'19-3	040'19-4	040'19-5	040'19-6
		-019					
1	Al	.08988	.12522	.21639	.13265	.22470	.11621
2	Sb	-.00237	-.00030	-.00345	-.00098	-.00093	.04013
3	As	.00098	.00007	.00068	.00280	.00116	.00116
4	Ba	.06146	.06105	.06279	.06004	.06095	.05247
5	Be	.00015	.00015	.00016	.00015	.00014	.00017
6	Cd	.00049	-.00016	-.00011	-.00040	-.00027	-.00034
7	Ca	46.248	72.403	47.036	46.702	55.291	43.028
8	Cr	.00390	.00099	.00031	.00432	.00308	.00704
9	Co	.00066	-.00001	.00100	.00047	.00069	-.00068
10	Cu	.10055	.00475	.00168	.03415	.01868	.22122
11	Fe	.48401	.34077	.22300	2.9270	1.7364	.43027
12	Pb	.00019	-.00203	-.00033	-.00254	-.00197	.09789
13	Mg	12.263	18.810	12.361	12.361	14.043	75.647
14	Mn	.00887	.04208	.01086	.03173	.04743	H21.065
15	Ni	.00885	.00501	.00256	.01281	.00938	.00162
16	K_	2.9200	3.9287	3.3687	2.9309	3.3977	41.252
17	Se	.00283	.00722	.00270	.00315	.00247	.00834
18	Ag	.00000	.00018	.00063	-.00025	.00032	.00985
19	Na	16.555	28.688	34.987	17.037	22.363	60.780
20	Tl	-.00015	.00069	.00213	.00656	-.00094	.00390
21	V_	.00194	.00207	.00336	.00181	.00297	-.00241
22	Zn	.21685	.01429	.00325	.00476	.00708	.43232

#	Element	040'19-7	CCV	CCB	040'37-1	040'2-21	040'2-22
		-019			-037	-072	
1	Al	.12381	51.654	-.00777	.02181	.43623	.19340
2	Sb	.00056	.50674	-.00283	-.00500	-.00289	-.00266
3	As	.00134	.51623	.00021	.00000	-.00137	-.00040
4	Ba	.06172	.48545	.00013	.08193	.03653	.03529
5	Be	.00015	.52096	.00013	.00029	.00038	.00028
6	Cd	-.00020	.49813	-.00012	-.00033	.00002	.00001
7	Ca	46.437	52.511	.04439	223.01	41.305	40.754
8	Cr	.00064	.49791	.00004	.06831	-.00028	-.00071
9	Co	-.00004	.49561	.00015	.00008	.00154	.00770
10	Cu	.00191	.51642	-.00024	.00344	.00483	.00247
11	Fe	.15515	21.454	.01584	.02118	.08377	.00742
12	Pb	-.00223	.51250	-.00208	-.00236	-.00176	-.00195
13	Mg	12.307	52.265	.03403	.10977	8.2570	8.1867
14	Mn	.01500	.50210	.00039	.00052	.07676	.07980
15	Ni	.00278	.48457	.00027	.00079	.01157	.01173
16	K_	4.6148	21.338	.38357	C.00000	1.7585	1.5954
17	Se	.00000	.51171	.00077	.36893	.00531	-.00036
18	Ag	.00003	.50336	.00048	.00061	.00086	-.00007
19	Na	17.234	21.623	.09549	C.00000	4.6244	4.6192
20	Tl	.00184	.51964	.00053	.01185	.00183	.00091
21	V_	.00246	.51332	.00027	.00336	-.00049	-.00062
22	Zn	.00940	.51260	-.00046	.00048	.07398	.06490

#	Element	040'73-1	040'3-1D	040'L 5X	040'-1MS	040'1MSD	040'73-2
		~073	→				
1	Al	-.01355	-.00781	-.01518	2.3132	2.2748	-.00985
2	Sb	-.00244	-.00050	-.00118	.51765	.52099	.00005
3	As	-.00061	-.00241	-.00347	2.1820	2.1721	.00047
4	Ba	.01674	.01673	.00335	1.9581	1.9252	.01631
5	Be	.00028	.00028	.00018	.05274	.05301	.00029
6	Cd	-.00048	-.00020	-.00012	.05044	.05064	-.00025
7	Ca	145.68	145.26	27.466	188.15	189.55	145.10
8	Cr	-.00029	-.00007	.00001	.19804	.19819	-.00016
9	Co	.00037	.00083	.00064	.49828	.49851	.00030
10	Cu	.00002	.00009	-.00019	.26049	.25567	.00001
11	Fe	.91984	.94816	.20169	1.9069	1.9232	.01364
12	Pb	-.00244	-.00209	-.00085	.52950	.52746	-.00512
13	Mg	27.497	27.408	5.4267	69.626	69.717	27.293
14	Mn	.01242	.01285	.00236	.51711	.51728	.00489
15	Ni	.00063	.00140	.00074	.49032	.49106	.00141
16	K_	3.6503	3.4924	1.0525	48.571	47.509	3.4949
17	Se	.00171	-.00045	.00563	2.3350	2.3257	.00518
18	Ag	-.00018	.00028	.00039	.05175	.05132	.00071
19	Na	41.040	40.733	7.6621	82.673	81.173	40.687
20	Tl	.00061	.00483	-.00195	2.1672	2.1732	.00562
21	V_	.00207	.00233	.00117	.50715	.50625	.00156
22	Zn	.00090	-.00059	-.00072	.51892	.52510	-.00085

#	Element	040'3-2D	CCV	CCB	040'L 5X	040'-2MS	040'2MSD
		~073			~073	→	
1	Al	-.01149	49.261	.00385	-.01077	2.1763	2.2087
2	Sb	.00094	.48321	-.00294	.00001	.49411	.49851
3	As	-.00085	.49042	.00236	-.00083	2.0259	2.0525
4	Ba	.01624	.46672	.00023	.00315	1.8593	1.8856
5	Be	.00032	.49293	.00014	.00007	.04916	.04937
6	Cd	-.00040	.46729	.00004	-.00008	.04655	.04689
7	Ca	148.35	49.141	.05563	27.805	191.80	192.70
8	Cr	-.00033	.47165	.00003	-.00029	.18449	.18515
9	Co	.00110	.46877	.00036	.00061	.46260	.46543
10	Cu	-.00003	.49682	-.00010	-.00029	.24731	.25197
11	Fe	.01733	20.208	.02222	.00574	1.3660	.93731
12	Pb	-.00135	.48096	-.00209	-.00118	.48988	.49327
13	Mg	27.768	49.340	.04018	5.5385	71.160	71.822
14	Mn	.00497	.47553	.00008	.00061	.47668	.47894
15	Ni	.00077	.45719	.00078	.00021	.45401	.46232
16	K_	3.5494	20.413	.31004	.76502	45.810	46.655
17	Se	.00299	.49432	.00253	.00192	2.1996	2.2444
18	Ag	.00054	.48186	.00041	.00031	.04978	.04966
19	Na	40.508	20.472	.10367	7.8644	83.735	85.284
20	Tl	.00148	.50090	.00175	.00352	2.0378	2.0632
21	V_	.00194	.48914	.00002	.00002	.47486	.47962
22	Zn	-.00112	.47708	-.00072	-.00190	.48616	.47773

2X SW-7/15/04

#	Element	040'73-3	040'73-4	040'3-2A	040'7(5X)	CRI	ICSA
		-0713	→	→	0712-17		
1	Al	.04459	.00002	.01423	6.1140	.45094	496.45
2	Sb	-.00120	.00047	.97972	.00744	.13435	.00729
3	As	.00197	.00040	1.0360	.07313	.01093	-.00170
4	Ba	.01182	.01060	.01588	.60552	.39302	.00075
5	Be	.00007	.00007	.99197	.01168	.01064	.00123
6	Cd	-.00020	-.00031	.95952	.00331	.01020	.00043
7	Ca	17.879	17.916	149.71	12.458	9.6649	509.18
8	Cr	.00383	.00161	.95717	.07635	.02019	.00023
9	Co	.00275	.00429	.96131	.00223	.10298	.00361
10	Cu	.00135	.00047	1.0091	.15679	.05369	-.00112
11	Fe	.46414	.02297	.89584	37.398	.19237	206.18
12	Pb	-.00249	-.00237	.99057	1.6462	.00615	-.00139
13	Mg	5.6516	5.6708	29.372	L-2.7514	9.8924	515.19
14	Mn	.01938	.00570	.97002	6.7515	.03175	.00764
15	Ni	.00219	.00155	.94112	.00543	.08376	.00346
16	K_	3.0300	3.0496	3.2600	1.0516	9.4914	.34754
17	Se	.00289	.00301	1.1111	L-.80783	.01027	-.00724
18	Ag	.00070	.00076	.00012	.00794	.02095	.00023
19	Na	22.428	22.556	42.526	2.0410	9.3439	.22668
20	Tl	.00492	.00443	1.0405	L-.04323	.02328	.00444
21	V_	.00695	.00657	.99352	.01709	.10404	.00502
22	Zn	.01144	.00284	.97390	1.3911	.05501	.01253

#	Element	ICSAB	CCV	CCB	IPO'-4MB	IPO'4LCS	IPO'LCSD
					-0713	→	→
1	Al	501.83	50.267	.01767	-.00297	2.1038	2.1137
2	Sb	.59833	.49655	-.00096	.00076	.48048	.47694
3	As	.09916	.50839	-.00125	-.00111	1.9669	1.9808
4	Ba	.46215	.47081	.00016	.00003	1.8763	1.8731
5	Be	.47483	.50952	.00022	.00002	.05109	.05127
6	Cd	.89198	.48582	.00000	-.00004	.04836	.04861
7	Ca	515.77	51.457	.06574	.06083	38.415	38.527
8	Cr	.45502	.48913	-.00016	.00027	.19256	.19395
9	Co	.45587	.48606	.00030	.00024	.47915	.48130
10	Cu	.53374	.50235	.00009	-.00018	.24800	.24902
11	Fe	208.48	20.940	.02333	.03483	.89589	.89570
12	Pb	.04513	.49836	-.00103	-.00261	.49721	.49864
13	Mg	520.27	51.130	.05479	.02154	38.336	38.416
14	Mn	.47322	.49102	.00009	-.00009	.48486	.48709
15	Ni	.87066	.47469	.00003	.00015	.47354	.47340
16	K_	.30422	20.857	.39028	.33974	36.344	36.292
17	Se	.04479	.50486	.00256	.00195	1.9914	2.0074
18	Ag	.20686	.49272	.00038	.00057	.04974	.04929
19	Na	.19012	21.051	.09791	.08795	36.366	36.362
20	Tl	.10246	.51516	.00263	.00294	2.0424	2.0515
21	V_	.48541	.50329	-.00023	-.00010	.48489	.48644
22	Zn	.91958	.50445	-.00085	-.00033	.49010	.49524

#	Element	040'6 (2X)	040'25-1	040'39-1	040'39-2	040'39-3	040'39-4
		-24-6	-025	-039	→		
1	Al	52.025	68.832	45.026	55.762	45.561	137.56
2	Sb	.00125	.00561	.00066	.00220	.00173	.00440
3	As	.02289	.02213	.07445	.06943	.05707	.03078
4	Ba	H20.492	1.2456	.91231	1.0774	.75500	1.2098
5	Be	.00480	.00466	.00756	.00633	.00686	.00581
6	Cd	.01136	.00340	-.00256	-.00224	-.00155	-.00244
7	Ca	249.39	139.70	59.015	54.390	100.92	40.404
8	Cr	.04715	.10871	.12472	.11780	.18277	.06854
9	Co	.01188	.03827	.15771	.15543	.12635	.07810
10	Cu	.10751	.12464	.27627	.25159	.24990	.07109
11	Fe	52.514	100.05	H238.56	H213.72	172.45	H207.76
12	Pb	.37030	.25130	.04885	.05661	.05608	.04780
13	Mg	28.218	27.574	47.120	33.481	67.312	22.241
14	Mn	2.8594	2.6409	5.8423	7.4800	5.0918	4.3881
15	Ni	.04385	.07344	.25620	.21910	.22653	.03278
16	K_	27.298	23.543	10.493	9.7502	10.899	8.1671
17	Se	.00336	.00623	.00806	.00883	.00202	.01071
18	Ag	-.00026	.00021	-.00070	.00042	-.00010	-.00036
19	Na	5.1174	.44747	2.7627	2.5086	2.4800	4.3777
20	Tl	.00156	-.00084	.01635	.01146	.00685	.00403
21	V_	.05061	.13423	.26607	.26954	.22764	.53712
22	Zn	2.0290	.77968	.56325	.51510	.40520	.36397

#	Element	040'42-1	CCV	CCB	040'42-2	040'2-2D	040'L 5X
		-042			-042	→	
1	Al	64.638	50.893	.00564	83.745	73.554	17.053
2	Sb	.00233	.50309	-.00227	.00580	.00046	-.00222
3	As	.03000	.50798	-.00118	.03792	.03359	.00449
4	Ba	1.1185	.47577	.00018	1.4951	1.3189	.30791
5	Be	.00500	.51215	.00011	.00599	.00603	.00126
6	Cd	-.00009	.49093	-.00006	.00091	.00063	.00025
7	Ca	121.54	51.730	.04212	148.70	146.39	28.859
8	Cr	.07376	.49251	-.00024	.12172	.10429	.02505
9	Co	.04347	.48907	.00015	.05647	.04847	.01168
10	Cu	.08261	.50781	-.00027	.16145	.15560	.03191
11	Fe	106.60	21.044	.01792	151.80	147.63	28.984
12	Pb	.07336	.50528	-.00172	.15220	.15315	.03126
13	Mg	26.748	51.488	.02750	33.664	30.003	6.9411
14	Mn	2.3256	.49374	.00009	3.0120	2.7060	.63027
15	Ni	.07364	.47847	-.00012	.09866	.09043	.02032
16	K_	17.840	21.092	.32548	21.031	18.833	4.4579
17	Se	.00061	.51185	.00069	.00151	.00467	.00208
18	Ag	-.00086	.49779	.00045	-.00081	-.00123	-.00025
19	Na	1.3295	21.353	.09102	6.8446	5.6457	1.3194
20	Tl	.00228	.50864	.00203	.00367	.00473	.00377
21	V_	.20207	.50650	.00002	.26992	.25655	.05613
22	Zn	.25529	.50497	-.00072	.50589	.54418	.10580

#	Element	040'-2MS	040'2MSD	040'42-3	040'42-4	040'42-5	040'42-6
		-042					
1	Al	114.06	98.810	96.611	62.624	56.536	63.642
2	Sb	.23314	.23246	.00353	.00031	.00087	-.00268
3	As	1.9766	1.9579	.03525	.02666	.02840	.02975
4	Ba	3.2746	3.0873	1.5046	1.0866	1.1160	.99029
5	Be	.05617	.05548	.00661	.00466	.00436	.00481
6	Cd	.04736	.04730	-.00013	-.00005	.00072	-.00021
7	Ca	185.12	155.96	199.74	130.43	107.37	127.69
8	Cr	.30997	.29402	.10895	.07223	.07065	.07670
9	Co	.52220	.51090	.05988	.04107	.04249	.04327
10	Cu	.42774	.39795	.12953	.07705	.11876	.08521
11	Fe	165.99	137.00	158.19	100.41	98.923	104.34
12	Pb	.63500	.60525	.11601	.06495	.14058	.06760
13	Mg	75.592	73.668	35.058	24.471	25.186	27.335
14	Mn	3.5044	2.8180	3.0862	2.3076	2.4397	2.2064
15	Ni	.55154	.52835	.09192	.06942	.06473	.07155
16	K_	60.034	59.732	23.090	14.461	13.997	18.889
17	Se	1.9715	1.9690	.00601	-.00309	.00313	-.00032
18	Ag	.04827	.04805	-.00110	-.00117	-.00044	-.00112
19	Na	45.377	44.048	12.379	2.6814	1.2591	1.2452
20	Tl	1.9800	1.9761	.00877	.00240	.00183	-.00131
21	V_	.76568	.70015	.29331	.19307	.17354	.19911
22	Zn	1.1061	.96903	.41666	.23905	.36766	.25582

#	Element	040'63-1	CCV	CCB	040'63-2	040'63-3	040'63-4
		-063			-063		
1	Al	90.737	51.068	.01752	83.684	76.664	63.649
2	Sb	.00171	.49919	-.00389	-.00045	.00410	.00792
3	As	.03685	.50951	-.00142	.04495	.04552	.09194
4	Ba	.87625	.47772	.00023	.97284	.88045	1.0264
5	Be	.00504	.50854	.00014	.00617	.00481	.00554
6	Cd	-.00106	.48690	-.00015	-.00110	-.00087	.00038
7	Ca	31.720	51.318	.04681	37.665	42.697	64.172
8	Cr	.06454	.48959	-.00011	.05955	.06178	.07478
9	Co	.06263	.48698	.00039	.06573	.06744	.11372
10	Cu	.07952	.50847	-.00024	.10402	.07106	.12138
11	Fe	154.56	20.920	.02444	172.40	143.03	170.70
12	Pb	.04427	.50131	-.00082	.04300	.04391	.04660
13	Mg	20.538	51.267	.03499	19.331	23.336	35.575
14	Mn	3.4451	.49163	.00022	3.1262	4.6237	4.7086
15	Ni	.05049	.47700	-.00014	.05007	.05367	.11844
16	K_	6.1628	21.196	.30252	7.2336	7.8104	8.1356
17	Se	.00514	.51194	.00030	.00482	.00053	.00246
18	Ag	.00000	.49722	.00029	-.00116	-.00054	.00015
19	Na	2.1232	21.513	.09161	2.2626	2.8854	3.3487
20	Tl	-.00401	.51772	.00264	.00400	-.00136	.00625
21	V_	.31632	.50483	.00002	.38947	.31182	.30090
22	Zn	.31784	.49892	-.00098	.37622	.30518	.36186

-039

#	Element	040' 10X	040'1 2X	040'2 2X	040'4 2X	040'2-2A	IPO'-3MB
		241-6	1	2	4	-042-2A	-0713
1	Al	10.608	22.456	28.306	69.459	83.357	.01111
2	Sb	.00098	.00260	-.00058	.00167	.98944	-.00111
3	As	.00273	.03827	.03652	.01272	1.0352	-.00104
4	Ba	4.2984	.45872	.54989	.61950	1.4821	.00016
5	Be	.00109	.00386	.00320	.00300	1.0129	.00007
6	Cd	.00221	-.00103	-.00065	-.00112	.93367	.00000
7	Ca	48.469	29.338	26.996	20.403	254.39	.10642
8	Cr	.00971	.06406	.06012	.03553	1.0638	.00019
9	Co	.00245	.08032	.07882	.04044	1.0032	.00048
10	Cu	.02119	.13591	.12613	.03525	1.1992	-.00018
11	Fe	10.356	114.50	103.19	101.70	147.90	.03317
12	Pb	.07694	.02563	.02894	.02519	1.1152	-.00187
13	Mg	5.8338	23.764	16.995	11.472	33.794	.02173
14	Mn	.60066	2.9572	3.7879	2.2598	3.8815	.00040
15	Ni	.00943	.13286	.11243	.01775	1.0151	.00032
16	K_	5.5237	5.3421	5.0563	4.2700	21.943	.24027
17	Se	.00113	.00331	-.00089	.00351	1.0079	.00167
18	Ag	.00025	.00021	.00000	.00026	-.00048	.00054
19	Na	.97357	1.3551	1.2669	2.1913	7.2099	.08265
20	Tl	-.00011	.00740	.00585	-.00326	1.0102	.00116
21	V_	.01042	.13487	.13757	.27583	1.2471	-.00023
22	Zn	.43851	.28882	.26467	.19172	1.4222	.00104

#	Element	IPO'3LCS	CCV	CCB	IPO'LCSD	040'62-2	040'2-2D
		-0713			-0713	-162	→
1	Al	2.0438	51.669	.02058	2.0457	.93583	.96525
2	Sb	.49337	.50718	-.00149	.49812	-.00351	-.00306
3	As	2.0273	.51468	-.00210	2.0384	-.00132	.00033
4	Ba	1.9609	.48315	.00023	1.9608	.03588	.03563
5	Be	.05196	.51277	.00015	.05215	.00010	.00010
6	Cd	.05068	.49318	-.00001	.05105	-.00006	-.00019
7	Ca	L.04863	51.959	.04484	L.05000	12.353	11.652
8	Cr	.20072	.49482	-.00035	.20127	.00113	.00089
9	Co	.50197	.49343	-.00015	.50166	.00071	.00062
10	Cu	.25867	.51436	-.00066	.25779	.00422	.00389
11	Fe	.93171	21.184	.01686	.92982	.87263	.85881
12	Pb	.51288	.50661	-.00149	.51265	.00123	-.00031
13	Mg	L.01865	51.819	.03211	L.01961	1.6099	1.6069
14	Mn	.50440	.49643	.00014	.50472	.05485	.05424
15	Ni	.50334	.48451	.00018	.50384	.00182	.00177
16	K_	L.20460	21.411	.26321	L.22291	12.437	12.297
17	Se	2.0634	.51994	.00244	2.0952	.00328	-.00032
18	Ag	.04927	.50208	.00036	.04974	.00051	.00012
19	Na	L.09591	21.805	.09001	L.09169	4.7707	4.7145
20	Tl	2.0436	.53265	-.00150	2.0603	.00303	.00034
21	V_	.50123	.50946	.00002	.50252	.00130	.00117
22	Zn	.50523	.50616	-.00085	.50826	.03478	.03344

#	Element	040'L 5X	040'-2MS	040'2MSD	040'62-3	CCV	CCB
		~162	→	→	→		
1	Al	.18930	3.6367	3.5601	.97948	51.465	.01137
2	Sb	-.00083	.47025	.47096	-.00357	.49797	.00275
3	As	-.00224	1.9910	1.9802	-.00020	.51214	-.00023
4	Ba	.00717	1.9616	1.9493	.03591	.47939	.00029
5	Be	.00002	.05118	.05127	.00011	.50636	.00014
6	Cd	-.00010	.04889	.04866	-.00009	.48417	.00004
7	Ca	2.4072	12.968	12.408	14.392	51.095	.04529
8	Cr	.00023	.19493	.19367	.00792	.48821	.00023
9	Co	.00055	.48631	.48639	.00043	.48717	.00048
10	Cu	.00085	.26386	.26081	.00116	.51345	-.00008
11	Fe	.18161	1.9750	1.9549	.89529	20.908	.02222
12	Pb	-.00078	.50209	.50177	.00128	.49770	-.00132
13	Mg	.34430	1.7174	1.6803	1.7813	51.258	.03538
14	Mn	.01099	.54489	.54326	.06551	.49035	.00015
15	Ni	.00060	.48462	.48443	.00358	.47516	.00045
16	K_	2.7544	12.959	12.620	12.129	21.329	.27939
17	Se	.00396	2.0237	2.0323	.00497	.51388	.00108
18	Ag	.00070	.04779	.04773	-.00039	.49865	.00067
19	Na	.95511	4.9243	4.7817	4.4206	21.769	.09030
20	Tl	-.00170	2.0403	2.0383	-.00225	.51315	-.00150
21	V_	.00027	.49055	.48940	.00130	.50509	.00027
22	Zn	.00681	.52563	.52260	.02927	.49471	-.00059

#	Element	CCV	CCB	IDL-1	IDL-2	IDL-3	IDL-4
1	Al	51.111	.02405	.02159	.02072	.01446	.01753
2	Sb	.49585	-.00136	.01183	.01125	.00921	.01220
3	As	.50725	-.00016	.01037	.00909	.00911	.00995
4	Ba	.47706	.00023	.00050	.00045	.00042	.00043
5	Be	.50592	.00011	.00046	.00044	.00043	.00044
6	Cd	.48387	.00000	.00041	.00041	.00041	.00045
7	Ca	51.361	.04878	.04054	.04001	.03918	.03926
8	Cr	.48851	-.00009	.01185	.00936	.01465	.01606
9	Co	.48456	.00018	.00153	.00094	.00133	.00113
10	Cu	.50818	-.00040	.00176	.00172	.00156	.00148
11	Fe	20.951	.01926	.06638	.04755	.06838	.07038
12	Pb	.49827	-.00175	.00355	.00317	.00380	.00411
13	Mg	51.347	.03855	.03932	.03538	.03307	.03201
14	Mn	.49119	.00007	.00155	.00125	.00188	.00204
15	Ni	.47341	.00027	.00884	.00792	.01065	.01129
16	K_	21.114	.27721	.41268	.38940	.34813	.37745
17	Se	.50590	.00149	.00916	.01255	.01096	.01229
18	Ag	.49659	.00039	.00183	.00186	.00126	.00168
19	Na	21.548	.09069	.16452	.16476	.16434	.16412
20	Tl	.51517	-.00091	.00935	.00860	.00965	.01305
21	V_	.50309	.00002	.00124	.00085	.00085	.00085
22	Zn	.49668	-.00112	.00408	.00394	.00401	.00421

#	Element	IDL-5	IDL-6	IDL-7	CRI	ICSA	ICSAB
1	Al	.01993	.01891	.01352	.44930	504.69	507.47
2	Sb	.01271	.00970	.01050	.13264	.00117	.60239
3	As	.00817	.01029	.01153	.00942	-.00090	.09594
4	Ba	.00045	.00045	.00041	.39592	.00089	.46655
5	Be	.00043	.00043	.00042	.01047	.00111	.47591
6	Cd	.00036	.00045	.00038	.01041	.00081	.89651
7	Ca	.03880	.03911	.03865	9.6858	513.84	521.67
8	Cr	.01549	.01665	.01618	.02073	.00018	.45870
9	Co	.00136	.00125	.00103	.10361	.00375	.46076
10	Cu	.00155	.00175	.00159	.05296	.00050	.53828
11	Fe	.07206	.07520	.07351	.18700	208.11	210.46
12	Pb	.00296	.00252	.00300	.00447	-.00238	.04682
13	Mg	.03403	.03615	.03105	9.9540	519.26	525.85
14	Mn	.00201	.00211	.00208	.03143	.00773	.47682
15	Ni	.01091	.01171	.01095	.08306	.00429	.87554
16	K_	.37727	.37310	.35802	9.5002	.40726	.24797
17	Se	.01106	.01038	.00938	.01207	-.00001	.04621
18	Ag	.00170	.00148	.00153	.02080	.00034	.20961
19	Na	.16415	.16387	.16396	9.4925	.28552	.17783
20	Tl	.00935	.00950	.01069	.02078	-.00412	.09863
21	V_	.00098	.00098	.00059	.10449	.00502	.48817
22	Zn	.00387	.00428	.00435	.04939	.01760	.92221

#	Element	CCV	CCB
1	Al	51.171	.04294
2	Sb	.50387	-.00297
3	As	.50602	-.00001
4	Ba	.47740	.00024
5	Be	.50866	.00013
6	Cd	.48724	.00013
7	Ca	51.913	.06920
8	Cr	.49465	.00269
9	Co	.48892	.00021
10	Cu	.50932	-.00023
11	Fe	21.064	.04009
12	Pb	.50456	-.00144
13	Mg	51.629	.06267
14	Mn	.49494	.00055
15	Ni	.47843	.00278
16	K_	21.181	.30504
17	Se	.50757	.00023
18	Ag	.49828	.00042
19	Na	21.619	.09116
20	Tl	.52120	-.00043
21	V_	.50496	.00002
22	Zn	.50162	-.00053

Calibration Report 07/14/04 08:48:38 AM

Method: TRACE Standard Name: BLANK Operator:
Run Time: 07/14/04 08:47:22
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.4394780	.0284986	-.343483	.2534873	-.019499	.8609569	.0037498
SDev	.2142427	.1293941	.070000	.0487879	.053030	.0127273	.0010606
%RSD	48.74934	454.0370	20.37949	19.24669	271.9641	1.478273	28.28427
#1	.2879856	.1199940	-.293985	.2879856	-.056997	.8699565	.0029999
#2	.5909705	-.062997	-.392980	.2189890	.0179991	.8519574	.0044998
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.2609869	.0554972	.0344983	-.014249	.0007500	.2699865	-.028499
SDev	.0000000	.0063636	.0106061	.001061	.0074243	.0021212	.010606
%RSD	.0000000	11.46659	30.74377	7.443228	989.9496	.7856800	37.21615
#1	.2609869	.0509974	.0269986	-.014999	.0059997	.2714864	-.020999
#2	.2609869	.0599970	.0419979	-.013499	-.004500	.2684866	-.035998
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	14.16979	.0374981	.0104995	4.690266	-.066747	.0539973	.0014999
SDev	.03182	.0148485	.0021212	.010606	.022273	.0084849	.0063636
%RSD	.2245517	39.59798	20.20305	.2261244	33.36908	15.71349	424.2641
#1	14.14729	.0479976	.0119994	4.682766	-.050997	.0479976	.0059997
#2	14.19229	.0269986	.0089996	4.697765	-.082496	.0599970	-.003000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl
Avge	.0164992	-.114744	.0000000	.0000000	-.025499
SDev	.0063636	.015909	.0000000	.0000000	.006364
%RSD	38.56946	13.86484	.0000000	.0000000	24.95671
#1	.0209989	-.125994	.0000000	.0000000	-.020999
#2	.0119994	-.103495	.0000000	.0000000	-.029999
Factor	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: TRACE Standard Name: RLSTD Operator:
Run Time: 07/14/04 08:48:45
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.6179690	.1904905	-.262487	.3869806	.1259937	1.429429	.1904905
SDev	.0806061	.0615152	.027576	.0721213	.0254546	.006364	.0021212
%RSD	13.04372	32.29306	10.50559	18.63693	20.20305	.4451838	1.113551
#1	.6749662	.2339883	-.281986	.4379781	.1079946	1.424929	.1919904
#2	.5609719	.1469927	-.242988	.3359832	.1439928	1.433928	.1889906
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.3824809	4.060297	.1987401	.0269986	.1529923	.3869806	.2174891
SDev	.0021212	.010606	.0159091	.0084849	.0042424	.0106061	.0275758
%RSD	.5545921	.2612166	8.004983	31.42697	2.772968	2.740722	12.67916
#1	.3809809	4.052797	.2099895	.0209989	.1559922	.3944803	.2369881
#2	.3839808	4.067797	.1874906	.0329984	.1499925	.3794810	.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	16.28319	3.833808	.1852407	31.20294	.2557372	.2099895	.0299985
SDev	.01697	.055152	.0010606	.08697	.0328788	.0254546	.0000000
%RSD	.1042138	1.438557	.5725547	.2787222	12.85649	12.12183	.0000000
#1	16.29519	3.872806	.1859907	31.14144	.2789860	.1919904	.0299985
#2	16.27119	3.794810	.1844908	31.26444	.2324884	.2279886	.0299985
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Tl
Avge	.0854957	.0989950	-.011999
SDev	.0106061	.0636364	.016970
%RSD	12.40538	64.28243	141.4214
#1	.0779961	.1439928	.0000000
#2	.0929954	.0539973	-.023999
Factor	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: TRACE Standard Name: A 1/100 Operator:
Run Time: 07/14/04 08:50:07
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	29.51402	40.29398	4.568771	18.41008	38.57507	62.35638
SDev	.01697	.02970	.021212	.02545	.13576	.35424
%RSD	.0575004	.0736975	.4642824	.1382612	.3519303	.5680957
#1	29.50202	40.31498	4.583771	18.42808	38.67107	62.10589
#2	29.52602	40.27299	4.553772	18.39208	38.47908	62.60687
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: TRACE Standard Name: A 1/10 Operator:
Run Time: 07/14/04 08:51:27
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	294.9295	384.0408	43.77531	69.01755	387.2881	711.1054
SDev	.2832	.6533	.05303	.02121	.9312	1.1073
%RSD	.0960174	.1701203	.1211433	.0307347	.2404429	.1557113
#1	294.7292	383.5788	43.73781	69.03255	386.6297	711.8884
#2	295.1297	384.5028	43.81281	69.00255	387.9466	710.3225
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: TRACE Standard Name: A 1/2 Operator:
Run Time: 07/14/04 08:52:48
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na

Avge	1447.718	1701.062	199.2365	321.9619	1911.188	3435.894
SDev	3.327	.238	.0785	1.0776	.100	7.168
%RSD	.2298154	.0139644	.0393975	.3346913	.0052164	.2086086
#1	1450.070	1700.894	199.2920	322.7239	1911.117	3440.963
#2	1445.365	1701.230	199.1810	321.1999	1911.258	3430.826
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: TRACE Standard Name: MIXAHIGH Operator:
Run Time: 07/14/04 08:54:12
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	2762.174	3075.644	376.0057	615.6487	3741.710	6125.221
SDev	3.709	2.821	.0700	1.7076	.042	19.802
%RSD	.1342731	.0917320	.0186118	.2773596	.0011304	.3232822
#1	2759.552	3077.639	376.0552	614.4413	3741.680	6111.219
#2	2764.797	3073.649	375.9562	616.8561	3741.740	6139.223
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: TRACE Standard Name: B 1/100 Operator:
Run Time: 07/14/04 08:55:38
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	5.164242	4.637768	2.003900	2.443378	2.039898	9.260536	11.94690
SDev	.303334	.084848	.063636	.146364	.050909	.053030	.01061
%RSD	5.873729	1.829508	3.175629	5.990227	2.495673	.5726469	.0887776
#1	4.949752	4.697765	2.048897	2.546873	2.003900	9.298035	11.95440

#2	5.378731	4.577771	1.958902	2.339883	2.075896	9.223039	11.93940
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	13.66507	2.435878	6.904904	5.023999	8.452077	5.898455	.4844758
SDev	.01591	.012727	.011667	.013788	.008485	.011667	.0021212
%RSD	.1164228	.5224879	.1689608	.2744378	.1003856	.1977905	.4378359
#1	13.67632	2.426879	6.913154	5.033748	8.458077	5.906704	.4859757
#2	13.65382	2.444878	6.896655	5.014249	8.446077	5.890205	.4829758
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	V_	Zn	As	Tl			
Avge	1.177441	1.148942	3.186591	.4829758			
SDev	.006364	.004242	.030758	.0296970			
%RSD	.5404659	.3692454	.9652194	6.148756			
#1	1.181941	1.145943	3.164842	.4619769			
#2	1.172941	1.151942	3.208340	.5039748			
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: TRACE Standard Name: B 1/10 Operator:
Run Time: 07/14/04 08:56:59
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	48.05009	46.81416	23.57882	21.05145	20.57297	90.06825	115.4027
SDev	.09970	.31182	.20364	.22273	.03394	.39136	.0064
%RSD	.2074887	.6660789	.8636396	1.058012	.1649673	.4345151	.0055115
#1	47.97960	47.03465	23.43483	21.20894	20.54897	89.79151	115.3982
#2	48.12059	46.59367	23.72281	20.89395	20.59697	90.34498	115.4072
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	135.4125	24.39703	68.02760	47.23714	83.08385	58.60282	5.041248
SDev	.0562	.09864	.04454	.29909	.07000	.10076	.171818
%RSD	.0415130	.4042941	.0654805	.6331733	.0842492	.1719302	3.408247
#1	135.4522	24.32728	67.99610	47.02565	83.03435	58.67406	4.919754
#2	135.3727	24.46678	68.05910	47.44863	83.13334	58.53157	5.162742

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	11.66642	11.39043	32.35188	5.213739
SDev	.01273	.02121	.07212	.050909
%RSD	.1090909	.1862295	.2229247	.9764395
#1	11.65742	11.40543	32.30088	5.177741
#2	11.67542	11.37543	32.40288	5.249737
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: TRACE Standard Name: MIXBHIGH Operator:
Run Time: 07/14/04 08:58:20
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	469.9775	455.5182	236.5157	204.9392	196.9326	850.1477	1052.727
SDev	.2503	.3182	.7149	.6046	.1973	.5696	3.871
%RSD	.0532572	.0698512	.3022437	.2949907	.1001748	.0669955	.3677326
#1	470.1545	455.2932	236.0102	204.5118	197.0721	849.7450	1055.464
#2	469.8005	455.7432	237.0212	205.3667	196.7931	850.5505	1049.989
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	1285.474	239.2388	666.9717	470.1477	786.6919	571.4669	50.37348
SDev	8.153	.9641	2.5582	1.9123	2.7183	3.0694	.16121
%RSD	.6342311	.4029837	.3835564	.4067362	.3455393	.5371131	.3200349
#1	1291.239	239.9205	668.7806	468.7956	788.6141	573.6373	50.25949
#2	1279.709	238.5571	665.1627	471.4999	784.7698	569.2965	50.48748
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	114.8073	109.3100	316.4684	52.12389
SDev	.2800	.8336	.9005	.12515
%RSD	.2438877	.7626398	.2845328	.2401033
#1	115.0053	109.8995	317.1051	52.21239
#2	114.6093	108.7206	315.8317	52.03540

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: TRACE
Mode: Concentration
Standards Table: 6010I
Data File: 6010CAL

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
2203/1	220.351	07/14/04 09:00	Full Fit	1.000000
2203/2	220.352/2	07/14/04 09:00	Full Fit	1.000000
1960/1	196.021	07/14/04 09:00	Full Fit	1.000000
1960/2	196.022/2	07/14/04 09:00	Full Fit	1.000000
Ag	328.068	07/14/04 09:00	Full Fit	1.000000
Al	308.215	07/14/04 09:00	Full Fit	1.000000
Ba	493.409	07/14/04 09:00	Full Fit	1.000000
Be	313.042	07/14/04 09:00	Full Fit	1.000000
Ca	317.933	07/14/04 09:00	Full Fit	1.000000
Cd	226.502/2	07/14/04 09:00	Full Fit	1.000000
Co	228.616	07/14/04 09:00	Full Fit	1.000000
Cr	267.716	07/14/04 09:00	Full Fit	1.000000
Cu	324.753	07/14/04 09:00	Full Fit	1.000000
Fe	271.441	07/14/04 09:00	Full Fit	1.000000
K_	766.491	07/14/04 09:00	Full Fit	.999999
Mg	279.078	07/14/04 09:00	Full Fit	1.000000
Mn	257.610	07/14/04 09:00	Full Fit	1.000000
Na	588.991	07/14/04 09:00	Full Fit	.999999
Ni	231.604/2	07/14/04 09:00	Full Fit	1.000000
Sb	206.838/2	07/14/04 09:00	Full Fit	1.000000
V_	292.402	07/14/04 09:00	Full Fit	1.000000
Zn	206.200	07/14/04 09:00	Full Fit	1.000000
As	189.042/2	07/14/04 09:00	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	07/14/04 09:00	Full Fit	1.000000

Method: TRACE Sample Name: MIXBHIGH Operator: SW
Run Time: 07/14/04 09:01:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	9.9984	10.036	9.9955	10.006	1.9883	.08262	9.9282
SDev	.0018	.024	.0521	.031	.0017	.00327	.0261
%RSD	.01754	.23475	.52078	.30877	.08449	3.9598	.26275
#1	9.9972	10.020	9.9587	9.9842	1.9871	.08493	9.9097
#2	9.9997	10.053	10.032	10.028	1.9895	.08031	9.9466
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	10.071	.05152	10.020	10.033	9.9859	10.005	-.03933
SDev	.014	.00237	.005	.016	.0136	.045	.00486
%RSD	.14055	4.5942	.04576	.15920	.13593	.44519	12.344
#1	10.061	.05320	10.023	10.022	9.9763	9.9730	-.03590
#2	10.081	.04985	10.017	10.044	9.9954	10.036	-.04277
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	.15001	.01347	9.9931	.10671	10.016	2.0095	9.9944
SDev	.01300	.00517	.0123	.00057	.012	.0183	.0181
%RSD	8.6663	38.353	.12353	.53733	.12466	.91176	.18064
#1	.15921	.01712	9.9844	.10711	10.007	1.9966	9.9816
#2	.14082	.00982	10.002	.10630	10.025	2.0225	10.007
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	10.027	10.007	10.024	10.003	10.016
SDev	.003	.037	.016	.038	.013
%RSD	.03303	.37016	.16260	.37932	.12873
#1	10.029	9.9806	10.012	9.9758	10.007
#2	10.025	10.033	10.035	10.029	10.025
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	10.000	10.000	10.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Method: TRACE Sample Name: MIXAHIGH Operator: SW
Run Time: 07/14/04 09:03:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.04158	.02067	-.01648	.00423	.00221	497.12	.00247
SDev	.00739	.00521	.01121	.00175	.00018	.74	.00018
%RSD	17.785	25.219	68.039	41.469	8.3451	.14913	7.2287
#1	-.04681	.02436	-.02441	.00547	.00234	496.60	.00260
#2	-.03635	.01699	-.00855	.00299	.00208	497.65	.00234
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	.00245	493.60	.00106	.00539	.00535	.00407	198.32
SDev	.00022	1.31	.00012	.00004	.00003	.00027	.10
%RSD	8.9366	.26539	11.103	.80258	.58178	6.6634	.05124
#1	.00261	492.68	.00115	.00536	.00537	.00426	198.25
#2	.00230	494.53	.00098	.00542	.00533	.00388	198.39
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	99.728	494.58	.00839	99.455	.00448	.01001	.00631
SDev	.155	1.10	.00013	.305	.00031	.00254	.00018
%RSD	.15560	.22218	1.5138	.30713	6.8293	25.432	2.8764
#1	99.618	493.80	.00848	99.239	.00470	.00821	.00644
#2	99.838	495.35	.00830	99.671	.00427	.01181	.00619
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01267	.00501	-.00006	-.00267	.00593
SDev	.00038	.00032	.00101	.00257	.00038
%RSD	3.0291	6.4847	1768.2	96.103	6.3796
#1	.01294	.00478	.00066	-.00448	.00620
#2	.01239	.00524	-.00078	-.00086	.00566
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value					
Range					

Method: TRACE Sample Name: ICV Operator: SW
Run Time: 07/14/04 09:06:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.24956	.24676	.25557	.24022	.24178	24.561	.23709
SDev	.00012	.00509	.00471	.00730	.00035	.035	.00052
%RSD	.04890	2.0631	1.8416	3.0377	.14570	.14202	.21717
#1	.24965	.24316	.25890	.24538	.24203	24.585	.23745
#2	.24948	.25036	.25225	.23506	.24153	24.536	.23672
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	.25409	24.759	.24336	.24135	.24361	.24910	10.108
SDev	.00073	.091	.00032	.00135	.00134	.00088	.011
%RSD	.28870	.36940	.13123	.55710	.55001	.35373	.10617
#1	.25357	24.694	.24314	.24040	.24267	.24973	10.100
#2	.25461	24.824	.24359	.24230	.24456	.24848	10.115
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	9.9269	24.819	.24548	9.9996	.23953	.25817	.25116
SDev	.0305	.087	.00089	.0399	.00007	.00219	.00055
%RSD	.30754	.34973	.36308	.39901	.03085	.84887	.21709
#1	9.9485	24.757	.24485	10.028	.23948	.25972	.25078
#2	9.9053	24.880	.24611	9.9714	.23958	.25662	.25155
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.24856	.24638	.24769	.24533	.25625
SDev	.00149	.00110	.00335	.00643	.00528
%RSD	.60112	.44664	1.3545	2.6228	2.0589
#1	.24751	.24716	.24532	.24988	.25252
#2	.24962	.24560	.25007	.24078	.25998
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	.25000	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: ICB Operator: SW
Run Time: 07/14/04 09:09:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00440	.00062	.00044	.00118	.00002	-.00627	.00044
SDev	.00251	.00108	.00112	.00632	.00012	.00541	.00006
%RSD	57.004	175.96	254.76	537.08	555.55	86.347	12.490
#1	-.00263	-.00015	.00123	.00565	-.00006	-.00244	.00048
#2	-.00618	.00138	-.00035	-.00329	.00011	-.01010	.00040
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	.00052	.03821	.00022	-.00003	-.00016	.00012	.01471
SDev	.00007	.00191	.00010	.00026	.00045	.00016	.00001
%RSD	14.097	5.0084	46.444	795.65	276.51	128.83	.09612
#1	.00057	.03956	.00029	-.00022	.00016	.00001	.01472
#2	.00047	.03686	.00015	.00015	-.00048	.00023	.01470
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	.27502	.03250	.00013	.08593	.00023	-.00096	.00015
SDev	.01542	.00272	.00003	.00038	.00029	.00242	.00018
%RSD	5.6071	8.3652	19.812	.44855	122.67	251.92	121.15
#1	.26412	.03442	.00015	.08620	.00044	-.00267	.00028
#2	.28592	.03058	.00011	.08566	.00003	.00075	.00002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00086	-.00043	-.00105	.00093	-.00059
SDev	.00019	.00121	.00011	.00459	.00372
%RSD	21.613	281.73	10.688	492.86	634.40
#1	-.00099	.00042	-.00098	.00418	.00204
#2	-.00073	-.00128	-.00113	-.00231	-.00322
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: CRI Operator: SW
Run Time: 07/14/04 09:11:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00509	.00640	.01171	.00750	.02045	.45082	.39116
SDev	.00034	.00034	.00028	.00180	.00082	.00176	.00170
%RSD	6.5813	5.3040	2.3472	23.943	4.0096	.38923	.43345
#1	.00485	.00664	.01190	.00877	.01987	.45206	.39236
#2	.00533	.00616	.01151	.00623	.02103	.44957	.38996
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	.01070	9.4674	.01056	.10057	.02004	.05436	.19967
SDev	.00002	.0560	.00003	.00104	.00051	.00045	.01415
%RSD	.16434	.59153	.23344	1.0340	2.5627	.83123	7.0852
#1	.01069	9.4278	.01058	.09983	.01968	.05405	.18966
#2	.01071	9.5070	.01054	.10130	.02041	.05468	.20967
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	9.1292	9.6494	.03121	8.9997	.08244	.13168	.10315
SDev	.0248	.0471	.00014	.0491	.00087	.00284	.00127
%RSD	.27162	.48816	.44771	.54594	1.0510	2.1587	1.2328
#1	9.1467	9.6161	.03111	9.0345	.08182	.12967	.10225
#2	9.1116	9.6827	.03130	8.9650	.08305	.13369	.10405
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.05422	.01058	.00596	.00890	.02124
SDev	.00057	.00020	.00012	.00129	.00042
%RSD	1.0467	1.8787	1.9264	14.487	1.9769
#1	.05382	.01072	.00604	.00982	.02094
#2	.05462	.01044	.00588	.00799	.02153
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Analysis Report QC Standard 07/14/04 09:27:14 AM page 1

Method: TRACE Sample Name: ICSA Operator: SW
Run Time: 07/14/04 09:24:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.04188	.02167	-.01898	.00170	.00002	482.46	.00077
SDev	.00313	.00658	.00572	.00298	.00115	.30	.00003
%RSD	7.4670	30.375	30.119	174.99	5181.3	.06126	4.3208
#1	-.04409	.02632	-.02302	.00381	-.00079	482.67	.00074
#2	-.03967	.01701	-.01493	-.00040	.00083	482.25	.00079
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	.00115	492.48	.00012	.00377	.00009	-.00108	199.65
SDev	.00002	2.21	.00032	.00009	.00031	.00068	.65
%RSD	1.5659	.44782	255.37	2.3004	346.28	63.026	.32708
#1	.00113	490.92	.00035	.00383	-.00013	-.00155	199.19
#2	.00116	494.04	-.00010	.00371	.00031	-.00060	200.12
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	.23431	499.88	.00736	.18448	.00307	-.00267	.00477
SDev	.02664	1.27	.00003	.00221	.00018	.00142	.00055
%RSD	11.369	.25378	.34483	1.1979	5.8764	53.182	11.415
#1	.21547	498.98	.00735	.18291	.00319	-.00167	.00439
#2	.25315	500.77	.00738	.18604	.00294	-.00368	.00516
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01158	.00104	.00050	-.00518	.00886
SDev	.00115	.00422	.00335	.00008	.00153
%RSD	9.9485	405.61	664.07	1.5798	17.244
#1	.01077	-.00194	.00287	-.00513	.00778
#2	.01239	.00402	-.00186	-.00524	.00994
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	.04000	.02000	.00600	.01000	.02000

Method: TRACE Sample Name: ICSAB Operator: SW
Run Time: 07/14/04 09:27:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00490	.06758	.04544	.05113	.20474	491.08	.46421
SDev	.00825	.00255	.01259	.00692	.00093	.15	.00078
%RSD	168.22	3.7810	27.701	13.524	.45460	.03079	.16778
#1	-.00093	.06939	.03654	.04624	.20408	491.19	.46476
#2	.01073	.06578	.05435	.05602	.20540	490.98	.46366
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	.46751	498.88	.87059	.44642	.44583	.53183	203.55
SDev	.00269	3.69	.00483	.00265	.00173	.00118	1.15
%RSD	.57498	.74065	.55469	.59321	.38824	.22091	.56316
#1	.46561	496.26	.86717	.44455	.44460	.53266	202.74
#2	.46941	501.49	.87400	.44830	.44705	.53100	204.36
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	.17627	508.46	.46614	.16704	.85723	.58859	.47911
SDev	.02687	2.59	.00230	.00010	.00467	.00190	.00255
%RSD	15.243	.50951	.49295	.06129	.54516	.32258	.53150
#1	.15727	506.62	.46451	.16697	.85392	.58724	.47731
#2	.19527	510.29	.46776	.16711	.86053	.58993	.48091
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.89013	.09007	.04671	.04924	.09671
SDev	.00800	.00004	.00104	.00880	.01110
%RSD	.89833	.04461	2.2304	17.881	11.479
#1	.88448	.09004	.04597	.04301	.08886
#2	.89579	.09010	.04745	.05546	.10456
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000
Range	20.000	20.000	20.000	20.000	20.000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/14/04 09:29:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49148	.48950	.49988	.48433	.48898	49.260	.47397
SDev	.00202	.00126	.00309	.00553	.00155	.190	.00067
%RSD	.41160	.25633	.61859	1.1424	.31752	.38665	.14196
#1	.49005	.48861	.49770	.48824	.48789	49.126	.47349
#2	.49291	.49038	.50207	.48042	.49008	49.395	.47445
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	.50257	50.289	.47817	.47645	.48008	.50087	20.521
SDev	.00090	.069	.00080	.00143	.00073	.00181	.033
%RSD	.17953	.13707	.16648	.30081	.15269	.36086	.15859
#1	.50193	50.240	.47761	.47544	.48060	.49959	20.498
#2	.50320	50.338	.47873	.47747	.47956	.50215	20.544
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	20.259	50.074	.48500	20.379	.46923	.49353	.49763
SDev	.097	.112	.00079	.122	.00188	.00308	.00182
%RSD	.47731	.22388	.16322	.59680	.39990	.62372	.36554
#1	20.190	49.995	.48444	20.293	.47055	.49135	.49635
#2	20.327	50.154	.48556	20.465	.46790	.49571	.49892
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.48787	.49702	.49015	.48951	.50902
SDev	.00186	.00097	.00151	.00266	.00039
%RSD	.38144	.19518	.30818	.54355	.07696
#1	.48656	.49634	.48909	.49139	.50929
#2	.48919	.49771	.49122	.48763	.50874
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/14/04 09:32:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00345	.00139	.00371	-.00561	.00028	.02665	.00005
SDev	.00124	.00068	.00463	.00430	.00000	.01081	.00000
%RSD	35.889	49.315	125.01	76.659	.00000	40.579	.00000
#1	-.00432	.00091	.00698	-.00257	.00028	.03429	.00005
#2	-.00257	.00187	.00043	-.00865	.00028	.01900	.00005
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	.06115	.00002	.00003	-.00008	-.00037	.02390
SDev	.00002	.00477	.00013	.00009	.00014	.00005	.00692
%RSD	19.915	7.7955	512.79	304.42	186.30	12.131	28.934
#1	.00008	.06452	.00011	-.00003	-.00017	-.00040	.01901
#2	.00010	.05778	-.00006	.00009	.00002	-.00034	.02879
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	.32370	.05979	-.00020	.08303	.00008	.00124	-.00049
SDev	.00759	.00489	.00004	.00007	.00000	.00095	.00000
%RSD	2.3436	8.1836	18.670	.08453	.13757	76.398	.00000
#1	.31833	.06325	-.00018	.08298	.00008	.00191	-.00049
#2	.32906	.05633	-.00023	.08308	.00008	.00057	-.00049
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00086	-.00069	-.00022	-.00251	.00144
SDev	.00019	.00351	.00087	.00441	.00000
%RSD	21.613	510.51	393.80	175.91	.19300
#1	-.00099	.00180	-.00084	.00061	.00144
#2	-.00073	-.00317	.00039	L-.00563	.00145
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040713-1MB Operator: SW
Run Time: 07/14/04 09:41:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00508	.00079	.00847	-.00771	-.00005	.00363	.00049
SDev	.00191	.00094	.00449	.00113	.00023	.00974	.00008
%RSD	37.642	118.80	53.087	14.643	447.98	268.18	15.825
#1	-.00644	.00145	.01165	-.00851	-.00021	-.00325	.00043
#2	-.00373	.00013	.00529	-.00691	.00011	.01052	.00054
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	.00005	.05779	-.00025	-.00037	-.00061	-.00039	.01853
SDev	.00004	.00735	.00018	.00039	.00003	.00016	.00834
%RSD	68.957	12.719	72.825	105.49	5.0659	40.713	45.020
#1	.00003	.05259	-.00037	-.00065	-.00059	-.00050	.01263
#2	.00008	.06298	-.00012	-.00009	-.00064	-.00028	.02442
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	.34611	.03404	-.00025	.08042	.00037	-.00122	.00002
SDev	.02412	.01087	.00003	.00074	.00042	.00063	.00036
%RSD	6.9676	31.949	10.202	.91737	110.81	51.825	1690.1
#1	.32906	.02635	-.00027	.07990	.00008	-.00166	-.00024
#2	.36316	.04172	-.00023	.08094	.00067	-.00077	.00028
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00046	-.00060	-.00117	-.00232	.00354
SDev	.00000	.00130	.00001	.00074	.00296
%RSD	.00000	219.09	.98494	32.014	83.811
#1	-.00046	-.00152	-.00117	-.00180	.00144
#2	-.00046	.00033	-.00116	-.00285	.00563
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040713-1LCS Operator: SW
Run Time: 07/14/04 09:43:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50383	.50478	2.1466	2.1815	.04936	2.1379	1.8988
SDev	.00036	.00177	.0000	.0044	.00004	.0051	.0006
%RSD	.07203	.35033	.00002	.20106	.08316	.23700	.02932
#1	.50357	.50603	2.1466	2.1784	.04934	2.1343	1.8984
#2	.50408	.50353	2.1466	2.1846	.04939	2.1415	1.8992
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	.05108	38.741	.04904	.48365	.19199	.24808	.89486
SDev	.00005	.023	.00033	.00126	.00037	.00029	.01145
%RSD	.10601	.06003	.66560	.26035	.19472	.11840	1.2799
#1	.05112	38.757	.04927	.48454	.19226	.24787	.90296
#2	.05105	38.724	.04881	.48276	.19173	.24829	.88676
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	38.498	39.150	.48835	37.291	.47871	.49898	.48927
SDev	.118	.047	.00027	.114	.00127	.01062	.00127
%RSD	.30553	.11880	.05491	.30445	.26444	2.1289	.26024
#1	38.414	39.183	.48854	37.211	.47961	.50649	.49017
#2	38.581	39.117	.48816	37.372	.47782	.49147	.48837
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49590	2.0416	.50446	2.1699	2.0748
SDev	.00205	.0039	.00106	.0029	.0064
%RSD	.41277	.18881	.20986	.13484	.30963
#1	.49735	2.0389	.50521	2.1679	2.0703
#2	.49445	2.0443	.50372	2.1720	2.0794
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000
Low	.40000	1.6000	.40000	1.6000	1.6000

Method: TRACE Sample Name: 0407072-1 Operator: SW
Run Time: 07/14/04 09:46:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00282	-.00205	.00925	-.00737	.00024	.32157	.03598
SDev	.00005	.00140	.00247	.00133	.00027	.00758	.00023
%RSD	1.7411	68.161	26.761	18.058	111.24	2.3566	.63722
#1	-.00286	-.00106	.01100	-.00643	.00005	.32693	.03615
#2	-.00279	-.00304	.00750	-.00832	.00043	.31621	.03582
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	32.720	-.00007	.00121	-.00030	.00485	.18157
SDev	.00000	.022	.00010	.00009	.00005	.00002	.00000
%RSD	.12340	.06600	139.91	7.1964	15.812	.46569	.00044
#1	.00016	32.704	-.00014	.00127	-.00026	.00484	.18157
#2	.00016	32.735	-.00000	.00114	-.00033	.00487	.18157
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	1.3250	6.1575	.06042	3.6964	.00426	.00363	.00002
SDev	.0207	.0057	.00009	.0055	.00032	.00153	.00036
%RSD	1.5614	.09281	.14721	.14814	7.6117	42.122	1690.1
#1	1.3104	6.1615	.06048	3.7003	.00449	.00471	-.00024
#2	1.3396	6.1534	.06035	3.6926	.00403	.00255	.00028
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01741	.00049	-.00231	-.00184	.00273
SDev	.00057	.00304	.00091	.00171	.00424
%RSD	3.2961	616.27	39.682	93.081	155.03
#1	.01700	-.00166	-.00166	-.00063	-.00026
#2	.01781	.00265	-.00295	-.00305	.00573
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-1D Operator: SW
Run Time: 07/14/04 09:49:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00229	-.00297	.00899	-.00673	.00031	.30647	.03553
SDev	.00142	.00130	.00101	.00041	.00070	.00135	.00023
%RSD	61.878	43.799	11.217	6.0910	223.36	.44139	.64528
#1	-.00329	-.00389	.00970	-.00702	-.00018	.30742	.03569
#2	-.00129	-.00205	.00828	-.00644	.00080	.30551	.03537
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	.00017	32.920	-.00010	.00111	.00469	.00445	.13931
SDev	.00002	.077	.00009	.00056	.00031	.00036	.00161
%RSD	10.873	.23403	84.171	50.592	6.6369	8.1194	1.1590
#1	.00016	32.865	-.00016	.00072	.00447	.00420	.13816
#2	.00018	32.974	-.00004	.00151	.00491	.00471	.14045
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	1.3125	6.1833	.06033	3.7302	.00439	-.00288	.00015
SDev	.0234	.0161	.00009	.0233	.00007	.00244	.00018
%RSD	1.7791	.25966	.14743	.62478	1.6586	84.720	121.15
#1	1.2960	6.1719	.06026	3.7467	.00434	-.00460	.00028
#2	1.3290	6.1946	.06039	3.7137	.00444	-.00115	.00002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01646	-.00091	-.00274	-.00150	.00242
SDev	.00000	.00298	.00134	.00006	.00382
%RSD	.00000	328.73	48.826	4.1512	157.78
#1	.01646	-.00301	-.00369	-.00145	.00512
#2	.01646	.00120	-.00180	-.00154	-.00028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-1L 5X Operator: SW
Run Time: 07/14/04 09:51:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00660	.00011	.00418	-.00152	-.00005	.04958	.00718
SDev	.00009	.00005	.00213	.00455	.00063	.00181	.00006
%RSD	1.3849	44.014	50.862	299.41	1262.6	3.6589	.78562
#1	-.00666	.00015	.00267	-.00474	-.00050	.04830	.00714
#2	-.00653	.00008	.00568	.00170	.00040	.05087	.00722
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	.00004	6.2416	-.00009	.00018	-.00017	.00055	.03872
SDev	.00002	.0160	.00006	.00074	.00065	.00054	.00622
%RSD	45.595	.25581	70.929	400.00	375.17	97.857	16.072
#1	.00003	6.2303	-.00013	-.00034	-.00064	.00017	.03432
#2	.00005	6.2529	-.00004	.00071	.00029	.00094	.04312
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	.51961	1.2463	.01202	.77149	.00064	-.00367	-.00011
SDev	.02172	.0131	.00008	.00219	.00040	.00236	.00018
%RSD	4.1791	1.0472	.63409	.28362	61.824	64.200	169.85
#1	.50426	1.2371	.01196	.76995	.00036	-.00534	-.00024
#2	.53497	1.2556	.01207	.77304	.00092	-.00200	.00002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00243	.00191	-.00212	.00038	.00205
SDev	.00019	.00137	.00000	.00374	.00339
%RSD	8.0213	71.804	.13914	991.57	165.18
#1	.00257	.00094	-.00212	-.00227	.00445
#2	.00229	.00289	-.00212	.00302	-.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-1MS Operator: SW
Run Time: 07/14/04 09:54:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50254	.50693	2.1613	2.2055	.05003	2.4258	1.9238
SDev	.00695	.00135	.0125	.0029	.00016	.0039	.0041
%RSD	1.3831	.26660	.57899	.13274	.32819	.16002	.21332
#1	.50746	.50597	2.1702	2.2034	.04992	2.4231	1.9209
#2	.49763	.50789	2.1525	2.2076	.05015	2.4286	1.9267
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	.05134	73.483	.04930	.48258	.19104	.25273	.94285
SDev	.00013	.306	.00043	.00113	.00048	.00018	.00274
%RSD	.24765	.41605	.86916	.23366	.25277	.07152	.29031
#1	.05125	73.267	.04900	.48338	.19069	.25260	.94091
#2	.05143	73.699	.04961	.48178	.19138	.25286	.94478
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	40.245	45.639	.54647	41.307	.47955	.50627	.48683
SDev	.058	.180	.00185	.013	.00011	.00730	.00145
%RSD	.14418	.39429	.33905	.03026	.02291	1.4423	.29892
#1	40.204	45.512	.54516	41.299	.47963	.50110	.48580
#2	40.286	45.766	.54778	41.316	.47948	.51143	.48786
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50853	2.0543	.50547	2.1908	2.0675
SDev	.00242	.0025	.00141	.0022	.0145
%RSD	.47565	.12030	.27957	.10109	.69962
#1	.50682	2.0525	.50647	2.1924	2.0573
#2	.51024	2.0560	.50447	2.1892	2.0777
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-1MSD Operator: SW
Run Time: 07/14/04 09:56:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.51051	.50200	2.1823	2.1987	.05037	2.4545	1.9411
SDev	.00042	.00508	.0010	.0065	.00084	.0043	.0023
%RSD	.08167	1.0115	.04443	.29464	1.6709	.17433	.11977
#1	.51022	.50559	2.1817	2.1941	.04977	2.4575	1.9427
#2	.51081	.49841	2.1830	2.2033	.05096	2.4515	1.9394
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	.05147	73.621	.04914	.48256	.19182	.25551	.96046
SDev	.00002	.035	.00013	.00143	.00047	.00027	.00635
%RSD	.03532	.04737	.27088	.29679	.24362	.10611	.66132
#1	.05148	73.646	.04904	.48154	.19149	.25532	.96495
#2	.05146	73.597	.04923	.48357	.19215	.25570	.95597
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	40.949	45.842	.54874	42.050	.48061	.49910	.49030
SDev	.154	.038	.00023	.235	.00074	.00050	.00018
%RSD	.37557	.08365	.04191	.55926	.15369	.10068	.03710
#1	41.057	45.869	.54890	42.216	.48114	.49945	.49043
#2	40.840	45.815	.54857	41.884	.48009	.49874	.49017
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50840	2.0747	.50483	2.1933	2.0797
SDev	.00037	.0039	.00325	.0046	.0149
%RSD	.07320	.18581	.64337	.21173	.71488
#1	.50866	2.0775	.50713	2.1900	2.0902
#2	.50813	2.0720	.50253	2.1965	2.0692
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-2 Operator: SW
Run Time: 07/14/04 09:59:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00285	-.00248	.01152	-.01220	.00047	.15336	.03504
SDev	.00351	.00242	.00201	.00277	.00059	.00017	.00028
%RSD	123.12	97.500	17.462	22.701	126.09	.11148	.78497
#1	-.00534	-.00077	.01294	-.01024	.00089	.15348	.03485
#2	-.00037	-.00419	.01009	-.01416	.00005	.15323	.03524
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	.00014	32.937	-.00018	.00494	-.00028	.00207	.02202
SDev	.00002	.127	.00006	.00078	.00068	.00047	.01371
%RSD	12.214	.38494	31.116	15.777	240.88	22.901	62.272
#1	.00016	33.026	-.00022	.00549	.00020	.00241	.03172
#2	.00013	32.847	-.00014	.00439	-.00077	.00174	.01232
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	1.3362	6.1631	.06012	3.7785	.00443	.00157	-.00024
SDev	.0339	.0098	.00000	.0803	.00049	.00314	.00145
%RSD	2.5346	.15895	.00000	2.1249	10.998	200.87	617.35
#1	1.3601	6.1700	.06012	3.7218	.00478	.00379	.00079
#2	1.3122	6.1561	.06012	3.8353	.00409	-.00066	-.00126
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00927	-.00114	-.00260	-.00430	.00596
SDev	.00058	.00228	.00044	.00252	.00127
%RSD	6.2276	200.09	16.960	58.501	21.258
#1	.00968	.00047	-.00229	-.00252	.00685
#2	.00886	-.00275	-.00292	-.00608	.00506
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-2D Operator: SW
Run Time: 07/14/04 10:01:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00418	-.00218	.01081	-.00445	-.00002	.15753	.03479
SDev	.00375	.00135	.00064	.00041	.00096	.00098	.00013
%RSD	89.603	61.750	5.9265	9.2008	4516.0	.62416	.36235
#1	-.00153	-.00313	.01126	-.00474	.00066	.15822	.03470
#2	-.00683	-.00123	.01035	-.00416	-.00070	.15683	.03488
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	33.024	-.00012	.00448	-.00039	.00196	.02250
SDev	.00000	.070	.00009	.00030	.00059	.00027	.00075
%RSD	.07384	.21179	78.721	6.7645	149.98	13.833	3.3125
#1	.00013	33.074	-.00005	.00470	.00002	.00215	.02303
#2	.00013	32.975	-.00018	.00427	-.00081	.00177	.02198
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	1.3321	6.1673	.06015	3.7700	.00378	-.00166	-.00011
SDev	.0194	.0027	.00009	.0380	.00076	.00078	.00018
%RSD	1.4531	.04413	.14786	1.0081	20.017	47.020	169.85
#1	1.3458	6.1654	.06021	3.7431	.00432	-.00111	.00002
#2	1.3185	6.1692	.06008	3.7969	.00325	-.00222	-.00024
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00859	.00047	-.00285	.00063	.00120
SDev	.00077	.00161	.00035	.00006	.00378
%RSD	8.9683	342.21	12.243	9.5022	314.87
#1	.00913	.00161	-.00260	.00059	.00387
#2	.00804	-.00067	-.00309	.00067	-.00147
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-2L 5X Operator: SW
Run Time: 07/14/04 10:04:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00287	-.00224	.00801	-.00612	.00033	.01697	.00703
SDev	.00087	.00214	.00532	.00481	.00018	.00001	.00005
%RSD	30.282	95.579	66.465	78.674	56.500	.04357	.64191
#1	-.00225	-.00375	.01178	-.00952	.00046	.01697	.00706
#2	-.00348	-.00073	.00425	-.00272	.00020	.01696	.00699
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	6.2105	-.00012	.00132	-.00032	-.00001	.01304
SDev	.00000	.0139	.00005	.00009	.00020	.00011	.00074
%RSD	.71302	.22333	44.164	6.5752	63.765	2240.5	5.6813
#1	.00003	6.2007	-.00016	.00126	-.00046	.00007	.01251
#2	.00003	6.2203	-.00008	.00138	-.00017	-.00008	.01356
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	.48401	1.2342	.01187	.76938	.00096	.00065	-.00024
SDev	.01701	.0090	.00003	.00003	.00016	.00154	.00036
%RSD	3.5141	.72700	.21392	.00419	16.856	236.15	154.34
#1	.47198	1.2279	.01185	.76935	.00085	-.00044	-.00049
#2	.49604	1.2406	.01189	.76940	.00108	.00175	.00002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00049	.00161	-.00245	-.00141	-.00058
SDev	.00020	.00167	.00114	.00144	.00372
%RSD	40.529	104.22	46.486	101.71	639.10
#1	.00063	.00042	-.00325	-.00243	.00205
#2	.00035	.00279	-.00164	-.00040	-.00321
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/14/04 10:06:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49659	.48826	.50913	.48720	.49235	50.068	.47804
SDev	.00117	.00020	.00256	.00628	.00136	.280	.00227
%RSD	.23615	.04167	.50350	1.2901	.27704	.55869	.47417
#1	.49742	.48812	.51094	.48276	.49139	49.870	.47643
#2	.49576	.48841	.50732	.49164	.49332	50.266	.47964
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	.50408	50.385	.47959	.47946	.48294	.50728	20.654
SDev	.00168	.137	.00212	.00161	.00142	.00255	.081
%RSD	.33262	.27250	.44112	.33527	.29387	.50328	.39019
#1	.50289	50.288	.47810	.47833	.48194	.50547	20.597
#2	.50526	50.482	.48109	.48060	.48395	.50908	20.711
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	20.749	50.319	.48708	20.941	.47089	.49180	.49918
SDev	.093	.159	.00140	.085	.00036	.00167	.00145
%RSD	.44691	.31595	.28836	.40757	.07715	.34026	.29153
#1	20.683	50.207	.48609	20.881	.47063	.49298	.49815
#2	20.815	50.432	.48807	21.001	.47115	.49062	.50020
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.48919	.49262	.49104	.49450	.51477
SDev	.00186	.00668	.00026	.00334	.00441
%RSD	.38042	1.3563	.05189	.67516	.85600
#1	.48787	.48790	.49122	.49214	.51789
#2	.49050	.49735	.49086	.49686	.51166
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/14/04 10:09:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00053	-.00137	.00194	-.00641	.00066	-.00722	.00008
SDev	.00041	.00060	.00233	.00174	.00037	.00562	.00005
%RSD	77.775	44.093	119.85	27.167	55.914	77.825	63.788
#1	-.00024	-.00179	.00359	-.00764	.00092	-.00325	.00012
#2	-.00081	-.00094	.00030	-.00518	.00040	-.01119	.00005
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	.03716	-.00020	-.00016	-.00019	-.00063	.01154
SDev	.00000	.00170	.00001	.00009	.00030	.00009	.00000
%RSD	.12239	4.5729	3.8890	55.795	159.64	14.388	.02676
#1	.00008	.03836	-.00021	-.00009	.00002	-.00056	.01154
#2	.00008	.03596	-.00019	-.00022	-.00039	-.00069	.01154
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	.30108	.02635	-.00027	.08613	.00044	.00068	-.00036
SDev	.00917	.00381	.00005	.00074	.00022	.00174	.00018
%RSD	3.0454	14.446	19.031	.85427	49.342	256.21	49.926
#1	.29460	.02904	-.00023	.08665	.00059	.00191	-.00049
#2	.30757	.02366	-.00030	.08561	.00029	-.00055	-.00024
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00138	.00021	-.00109	-.00363	.00203
SDev	.00019	.00304	.00027	.00039	.00255
%RSD	13.413	1445.6	24.472	10.623	125.74
#1	-.00125	-.00194	-.00128	-.00390	.00384
#2	-.00151	.00236	-.00090	-.00336	.00023
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0407072-2MS Operator: SW
Run Time: 07/14/04 10:11:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50696	.50414	2.1746	2.2147	.05061	2.3173	1.9370
SDev	.00361	.00042	.0026	.0089	.00029	.0009	.0042
%RSD	.71114	.08306	.11754	.40132	.56777	.04004	.21815
#1	.50441	.50443	2.1728	2.2210	.05082	2.3167	1.9340
#2	.50951	.50384	2.1764	2.2084	.05041	2.3180	1.9400
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	.05143	73.593	.04945	.48636	.19210	.25235	.93181
SDev	.00004	.027	.00014	.00334	.00013	.00014	.01222
%RSD	.07032	.03637	.28598	.68720	.06487	.05372	1.3110
#1	.05146	73.612	.04935	.48873	.19202	.25244	.94045
#2	.05141	73.574	.04955	.48400	.19219	.25225	.92317
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	40.953	45.851	.54873	42.075	.48353	.50344	.48940
SDev	.007	.033	.00004	.058	.00150	.00581	.00073
%RSD	.01633	.07228	.00699	.13835	.31094	1.1542	.14867
#1	40.948	45.874	.54875	42.116	.48459	.49933	.48992
#2	40.958	45.828	.54870	42.034	.48247	.50755	.48889
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50287	2.0568	.50508	2.2014	2.0902
SDev	.00037	.0134	.00092	.0051	.0048
%RSD	.07401	.65129	.18240	.23065	.23058
#1	.50313	2.0663	.50443	2.2050	2.0868
#2	.50261	2.0474	.50573	2.1978	2.0936
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-2MSD Operator: SW
Run Time: 07/14/04 10:14:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50830	.50911	2.1831	2.2155	.05028	2.3011	1.9350
SDev	.00219	.00558	.0041	.0049	.00023	.0179	.0134
%RSD	.43032	1.0970	.18972	.22181	.44906	.77895	.69454
#1	.50984	.50516	2.1802	2.2120	.05012	2.3138	1.9445
#2	.50675	.51306	2.1860	2.2189	.05044	2.2884	1.9255
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	.05170	73.919	.04987	.48725	.19227	.25230	.88829
SDev	.00002	.209	.00000	.00018	.00104	.00169	.00446
%RSD	.03516	.28279	.00080	.03662	.54280	.67164	.50255
#1	.05172	74.066	.04987	.48738	.19301	.25350	.88514
#2	.05169	73.771	.04987	.48713	.19153	.25110	.89145
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	40.510	45.913	.54963	41.639	.48284	.50649	.48953
SDev	.429	.138	.00155	.490	.00074	.00065	.00018
%RSD	1.0602	.29948	.28132	1.1769	.15332	.12922	.03716
#1	40.814	46.010	.55072	41.986	.48232	.50695	.48966
#2	40.206	45.816	.54854	41.293	.48337	.50603	.48940
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50892	2.0734	.50884	2.2047	2.0964
SDev	.00037	.0096	.00300	.0047	.0008
%RSD	.07312	.46360	.58892	.21123	.03827
#1	.50866	2.0802	.50672	2.2014	2.0970
#2	.50919	2.0666	.51096	2.2080	2.0959
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-3 Operator: SW
Run Time: 07/14/04 10:16:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00395	.00075	.01008	-.00133	.00082	.64827	.03434
SDev	.00187	.00114	.00311	.00327	.00006	.00498	.00013
%RSD	47.325	152.30	30.873	246.83	7.5056	.76798	.36708
#1	-.00263	-.00006	.00788	-.00364	.00086	.65179	.03425
#2	-.00528	.00155	.01229	.00099	.00077	.64475	.03443
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	.00039	38.932	.00008	.00142	.00017	.00795	.30688
SDev	.00000	.025	.00006	.00030	.00002	.00002	.00509
%RSD	.00000	.06344	67.395	21.369	9.3237	.28417	1.6591
#1	.00039	38.949	.00004	.00163	.00016	.00797	.31048
#2	.00039	38.914	.00012	.00120	.00018	.00794	.30328
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	1.4850	7.7867	.08558	4.2486	.01006	.00148	.00028
SDev	.0174	.0014	.00009	.0001	.00009	.00477	.00000
%RSD	1.1726	.01748	.10396	.00215	.89951	321.84	.00000
#1	1.4973	7.7858	.08551	4.2486	.01012	-.00189	.00028
#2	1.4727	7.7877	.08564	4.2485	.00999	.00486	.00028
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.06250	-.00083	-.00082	.00247	.00074
SDev	.00019	.00157	.00014	.00322	.00294
%RSD	.30224	189.67	16.493	130.24	398.33
#1	.06264	.00028	-.00091	.00020	-.00134
#2	.06237	-.00194	-.00072	.00475	.00281
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-4 Operator: SW
Run Time: 07/14/04 10:19:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00242	-.00348	.01048	-.00777	.00046	.34640	.03324
SDev	.00119	.00084	.00476	.00246	.00012	.00077	.00017
%RSD	49.102	24.067	45.431	31.615	26.914	.22238	.51699
#1	-.00326	-.00289	.01384	-.00604	.00054	.34694	.03312
#2	-.00158	-.00407	.00711	-.00951	.00037	.34586	.03336
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	38.813	-.00009	.00090	.00027	.00396	.04701
SDev	.00000	.009	.00007	.00052	.00047	.00002	.00083
%RSD	.10587	.02441	75.203	57.897	175.55	.57097	1.7657
#1	.00018	38.806	-.00004	.00127	.00060	.00397	.04642
#2	.00018	38.819	-.00014	.00053	-.00006	.00394	.04760
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	1.4298	7.7877	.07688	4.3218	.00913	-.00262	.00002
SDev	.0258	.0136	.00006	.0399	.00018	.00008	.00036
%RSD	1.8030	.17476	.08265	.92395	1.9663	3.1678	1690.1
#1	1.4480	7.7781	.07683	4.2936	.00900	-.00268	.00028
#2	1.4116	7.7973	.07692	4.3500	.00925	-.00256	-.00024
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.04136	.00130	-.00312	-.00170	.00539
SDev	.00019	.00405	.00016	.00322	.00126
%RSD	.45852	311.14	5.2199	190.03	23.422
#1	.04149	-.00156	-.00301	.00058	.00628
#2	.04123	.00416	-.00324	-.00398	.00449
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-5 Operator: SW
Run Time: 07/14/04 10:21:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00371	-.00164	.01326	-.00765	.00031	.92795	.03597
SDev	.00054	.00130	.00228	.00154	.00037	.00532	.00000
%RSD	14.662	79.280	17.218	20.085	118.25	.57282	.00000
#1	-.00410	-.00072	.01487	-.00874	.00057	.92419	.03597
#2	-.00333	-.00256	.01164	-.00656	.00005	.93171	.03597
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	.00041	39.204	.00014	.00222	-.00046	.01003	.22774
SDev	.00004	.081	.00026	.00039	.00012	.00002	.00003
%RSD	8.8386	.20740	191.53	17.595	27.045	.22530	.01098
#1	.00044	39.262	.00033	.00249	-.00037	.01001	.22772
#2	.00039	39.147	-.00005	.00194	-.00055	.01004	.22775
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	1.4125	7.8936	.12799	4.4017	.01115	.00080	-.00011
SDev	.0022	.0005	.00016	.0549	.00031	.00380	.00018
%RSD	.15485	.00690	.12915	1.2467	2.7502	474.40	169.85
#1	1.4109	7.8939	.12810	4.3629	.01137	-.00189	-.00024
#2	1.4140	7.8932	.12787	4.4405	.01094	.00349	.00002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.07678	-.00062	-.00233	-.00069	.00281
SDev	.00075	.00341	.00069	.00026	.00000
%RSD	.98230	551.79	29.451	38.504	.01499
#1	.07732	.00180	-.00184	-.00087	.00281
#2	.07625	-.00303	-.00281	-.00050	.00281
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-6 Operator: SW
Run Time: 07/14/04 10:24:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00736	-.00077	.00825	-.00424	-.00014	.26907	.03317
SDev	.00019	.00116	.00919	.00092	.00047	.00564	.00003
%RSD	2.5217	151.68	111.32	21.745	343.38	2.0955	.10359
#1	-.00749	-.00159	.01475	-.00489	.00020	.27306	.03315
#2	-.00722	.00006	.00176	-.00358	-.00047	.26508	.03320
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	.00017	39.383	.00003	.00160	-.00013	.00369	.01569
SDev	.00002	.045	.00025	.00013	.00022	.00014	.00301
%RSD	10.637	.11385	991.58	8.1102	167.33	3.6783	19.188
#1	.00018	39.351	-.00015	.00169	.00002	.00378	.01781
#2	.00016	39.414	.00020	.00151	-.00028	.00359	.01356
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	1.4653	7.9220	.11717	4.4084	.01054	-.00412	-.00011
SDev	.0052	.0098	.00018	.0018	.00031	.00378	.00054
%RSD	.35698	.12370	.15191	.04147	2.9067	91.775	509.54
#1	1.4616	7.9151	.11704	4.4097	.01076	-.00145	.00028
#2	1.4690	7.9290	.11730	4.4071	.01032	-.00679	-.00049
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.04833	-.00114	-.00296	-.00008	.00241
SDev	.00019	.00114	.00084	.00244	.00464
%RSD	.39184	99.907	28.312	3176.6	192.28
#1	.04819	-.00194	-.00355	.00165	-.00087
#2	.04846	-.00033	-.00237	-.00181	.00569
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-7 Operator: SW
Run Time: 07/14/04 10:26:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00377	-.00330	.01378	-.01007	.00044	1.0134	.03576
SDev	.00141	.00256	.00119	.00225	.00059	.0011	.00012
%RSD	37.548	77.496	8.6156	22.339	134.35	.11127	.32061
#1	-.00477	-.00149	.01462	-.00848	.00002	1.0126	.03584
#2	-.00277	-.00511	.01294	-.01166	.00086	1.0142	.03568
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	.00044	40.372	.00031	.00219	-.00037	.01054	.13284
SDev	.00000	.123	.00005	.00009	.00031	.00025	.01565
%RSD	.06556	.30588	17.328	3.9667	83.602	2.3581	11.784
#1	.00044	40.285	.00027	.00225	-.00059	.01036	.12177
#2	.00044	40.460	.00034	.00212	-.00015	.01072	.14391
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	1.4662	8.1786	.17116	4.5268	.01234	-.00007	-.00036
SDev	.0275	.0193	.00013	.0036	.00076	.00115	.00054
%RSD	1.8729	.23632	.07433	.07938	6.1312	1686.3	149.78
#1	1.4468	8.1649	.17107	4.5294	.01180	-.00088	-.00075
#2	1.4856	8.1923	.17125	4.5243	.01287	.00075	.00002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.09157	.00002	-.00345	-.00213	-.00021
SDev	.00056	.00157	.00123	.00190	.00083
%RSD	.61677	7660.9	35.712	89.136	402.98
#1	.09117	-.00109	-.00258	-.00079	-.00080
#2	.09197	.00113	-.00433	-.00347	.00038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-8 Operator: SW
Run Time: 07/14/04 10:29:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00706	-.00091	.00515	-.00547	.00007	.26426	.03396
SDev	.00215	.00023	.00461	.00144	.00051	.00349	.00005
%RSD	30.378	25.512	89.566	26.272	780.89	1.3210	.13498
#1	-.00858	-.00107	.00189	-.00445	.00043	.26672	.03399
#2	-.00555	-.00074	.00841	-.00648	-.00030	.26179	.03393
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	40.198	.00015	.00166	-.00063	.00343	.00789
SDev	.00000	.206	.00002	.00048	.00030	.00023	.00946
%RSD	.26443	.51330	14.760	28.641	47.280	6.5874	119.90
#1	.00018	40.344	.00017	.00200	-.00042	.00359	.01458
#2	.00018	40.053	.00014	.00133	-.00083	.00327	.00120
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	1.4391	8.1484	.16463	4.4789	.01203	-.00339	-.00036
SDev	.0162	.0446	.00061	.0136	.00011	.00055	.00091
%RSD	1.1227	.54788	.37088	.30263	.90348	16.191	249.63
#1	1.4505	8.1800	.16506	4.4693	.01211	-.00300	.00028
#2	1.4276	8.1168	.16420	4.4884	.01195	-.00378	-.00101
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.05649	.00073	-.00296	-.00193	-.00169
SDev	.00038	.00131	.00087	.00058	.00285
%RSD	.66947	179.07	29.383	29.887	168.53
#1	.05676	.00165	-.00357	-.00234	.00032
#2	.05622	-.00019	-.00234	-.00152	-.00370
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-9 Operator: SW
Run Time: 07/14/04 10:31:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00232	-.00027	.01306	-.00645	.00060	.42422	.03601
SDev	.00091	.00201	.00585	.00573	.00049	.00020	.00010
%RSD	39.380	754.82	44.761	88.971	81.733	.04625	.28656
#1	-.00297	.00115	.01719	-.01050	.00095	.42436	.03608
#2	-.00167	-.00168	.00893	-.00239	.00025	.42408	.03594
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	.00034	39.565	.00021	.00133	-.00032	.00450	.13521
SDev	.00000	.038	.00002	.00009	.00023	.00016	.00413
%RSD	.02854	.09592	7.1497	6.5234	73.575	3.5144	3.0556
#1	.00034	39.592	.00022	.00127	-.00015	.00461	.13813
#2	.00034	39.538	.00020	.00139	-.00048	.00439	.13229
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	1.4690	7.9580	.07746	4.3456	.01110	.00189	-.00011
SDev	.0044	.0117	.00018	.0121	.00009	.00137	.00018
%RSD	.29666	.14708	.22968	.27844	.81235	72.528	169.85
#1	1.4659	7.9663	.07759	4.3370	.01104	.00286	-.00024
#2	1.4721	7.9498	.07734	4.3541	.01117	.00092	.00002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.07051	-.00211	-.00095	.00005	.00063
SDev	.00019	.00110	.00103	.00188	.00128
%RSD	.26761	52.322	108.79	3793.2	202.62
#1	.07065	-.00289	-.00022	-.00128	.00154
#2	.07038	-.00133	-.00168	.00138	-.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-10 Operator: SW
Run Time: 07/14/04 10:34:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00515	-.00003	.00879	-.00487	.00031	.18324	.03523
SDev	.00352	.00307	.00569	.00000	.00000	.00235	.00003
%RSD	68.305	10028.	64.710	.07126	.00000	1.2846	.09761
#1	-.00266	-.00220	.01281	-.00488	.00031	.18157	.03521
#2	-.00764	.00214	.00477	-.00487	.00031	.18490	.03525
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	.00022	39.888	-.00005	.00108	-.00017	.00327	.06277
SDev	.00002	.096	.00012	.00035	.00025	.00045	.01197
%RSD	8.2287	.24014	273.55	32.023	142.92	13.818	19.064
#1	.00021	39.820	-.00013	.00084	-.00035	.00295	.05431
#2	.00023	39.955	.00004	.00133	.00000	.00359	.07123
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	1.4727	8.0127	.07287	4.3895	.01151	-.00150	-.00036
SDev	.0087	.0166	.00022	.0132	.00034	.00150	.00018
%RSD	.59170	.20723	.29645	.29989	2.9780	99.999	49.926
#1	1.4665	8.0010	.07272	4.3802	.01127	-.00044	-.00049
#2	1.4788	8.0244	.07302	4.3988	.01175	-.00256	-.00024
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.06037	-.00232	-.00173	-.00032	.00210
SDev	.00057	.00060	.00087	.00189	.00085
%RSD	.93914	25.990	50.339	583.51	40.619
#1	.05997	-.00275	-.00235	.00101	.00150
#2	.06077	-.00189	-.00112	-.00166	.00271
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/14/04 10:36:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50513	.50335	.51343	.49270	.49581	50.382	.47814
SDev	.00453	.00221	.00972	.00361	.00000	.099	.00022
%RSD	.89678	.43935	1.8925	.73212	.00000	.19598	.04691
#1	.50193	.50179	.50656	.49015	.49581	50.313	.47830
#2	.50833	.50491	.52030	.49525	.49581	50.452	.47799
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	.51510	51.790	.49238	.48852	.49313	.50600	21.108
SDev	.00087	.080	.00064	.00243	.00098	.00065	.047
%RSD	.16816	.15542	.12974	.49779	.19926	.12949	.22197
#1	.51449	51.734	.49283	.48680	.49244	.50646	21.075
#2	.51571	51.847	.49193	.49024	.49383	.50553	21.141
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	20.849	51.383	.49582	21.019	.48244	.50339	.50689
SDev	.023	.068	.00043	.012	.00081	.00024	.00073
%RSD	.10821	.13179	.08757	.05899	.16782	.04765	.14355
#1	20.833	51.335	.49551	21.010	.48301	.50322	.50638
#2	20.865	51.431	.49613	21.028	.48186	.50356	.50741
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50682	.50721	.50394	.49960	.52037
SDev	.00000	.00121	.00298	.00564	.00644
%RSD	.00000	.23888	.59203	1.1292	1.2372
#1	.50682	.50635	.50183	.49561	.52492
#2	.50682	.50806	.50605	.50359	.51581
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/14/04 10:39:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00127	-.00307	.00208	-.00554	.00049	-.00104	.00006
SDev	.00422	.00265	.00102	.00010	.00008	.00544	.00002
%RSD	333.81	86.112	49.104	1.8901	16.873	525.44	34.906
#1	.00425	-.00495	.00136	-.00562	.00054	.00281	.00005
#2	-.00172	-.00120	.00281	-.00547	.00043	-.00489	.00008
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	.00013	.04167	-.00008	.00009	-.00017	-.00066	.00693
SDev	.00000	.00171	.00009	.00000	.00006	.00000	.00800
%RSD	.00000	4.0961	109.79	.00839	35.730	.00000	115.57
#1	.00013	.04288	-.00002	.00009	-.00022	-.00066	.00127
#2	.00013	.04047	-.00014	.00009	-.00013	-.00066	.01259
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	.36281	.02808	-.00028	.08811	.00029	-.00328	-.00049
SDev	.00750	.00245	.00003	.00038	.00040	.00039	.00000
%RSD	2.0674	8.7142	8.9157	.43702	138.67	12.017	.00000
#1	.35750	.02635	-.00027	.08838	.00001	-.00300	-.00049
#2	.36811	.02981	-.00030	.08783	.00057	-.00356	-.00049
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00099	-.00057	-.00163	-.00300	.00294
SDev	.00037	.00094	.00036	.00041	.00212
%RSD	37.496	164.27	22.078	13.672	72.289
#1	-.00125	.00009	-.00188	-.00329	.00143
#2	-.00073	-.00123	-.00138	-.00271	.00444
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0407072-11 Operator: SW
Run Time: 07/14/04 10:41:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00755	.00049	.00500	-.00862	.00038	.33048	.03670
SDev	.00146	.00030	.00628	.00430	.00022	.00312	.00005
%RSD	19.352	60.964	125.53	49.856	58.643	.94366	.12499
#1	-.00859	.00028	.00944	-.01166	.00054	.32828	.03673
#2	-.00652	.00070	.00056	-.00558	.00022	.33269	.03666
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	.00023	34.148	-.00006	.00108	-.00036	.00447	.11430
SDev	.00000	.040	.00001	.00061	.00036	.00007	.00741
%RSD	.12382	.11846	15.287	56.011	99.070	1.5169	6.4788
#1	.00023	34.177	-.00006	.00065	-.00061	.00442	.11954
#2	.00023	34.119	-.00005	.00151	-.00011	.00452	.10907
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	1.4147	6.4113	.07022	3.8693	.00397	-.00272	.00041
SDev	.0009	.0060	.00010	.0190	.00016	.00181	.00055
%RSD	.06184	.09338	.14477	.49043	4.0657	66.419	133.95
#1	1.4140	6.4155	.07015	3.8559	.00408	-.00400	.00079
#2	1.4153	6.4070	.07029	3.8827	.00385	-.00144	.00002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01943	-.00059	-.00219	-.00409	.00541
SDev	.00038	.00117	.00069	.00078	.00042
%RSD	1.9660	197.20	31.352	19.003	7.7072
#1	.01916	-.00142	-.00267	-.00464	.00512
#2	.01970	.00023	-.00170	-.00354	.00571
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-12 Operator: SW
Run Time: 07/14/04 10:44:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00288	-.00024	.00724	-.00487	.00063	.15602	.03566
SDev	.00292	.00205	.00165	.00123	.00020	.00512	.00012
%RSD	101.48	865.16	22.846	25.271	32.491	3.2792	.32148
#1	-.00495	-.00169	.00841	-.00574	.00077	.15963	.03574
#2	-.00081	.00121	.00607	-.00400	.00049	.15240	.03558
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	.00014	33.866	-.00009	.00792	-.00022	.00226	.08333
SDev	.00002	.026	.00028	.00013	.00025	.00002	.00325
%RSD	12.690	.07736	307.56	1.6428	114.09	.99814	3.8960
#1	.00016	33.848	-.00029	.00801	-.00039	.00228	.08103
#2	.00013	33.885	.00011	.00782	-.00004	.00225	.08562
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	1.3567	6.3809	.07327	3.9829	.00475	.00048	-.00011
SDev	.0004	.0044	.00013	.0258	.00029	.00012	.00018
%RSD	.03236	.06823	.17342	.64710	6.0590	25.237	169.85
#1	1.3564	6.3840	.07318	4.0011	.00455	.00040	.00002
#2	1.3570	6.3778	.07336	3.9647	.00496	.00057	-.00024
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01104	-.00109	-.00112	-.00084	-.00116
SDev	.00038	.00161	.00234	.00027	.00121
%RSD	3.4809	147.32	209.60	32.260	104.54
#1	.01077	-.00223	-.00277	-.00103	-.00202
#2	.01131	.00005	.00054	-.00065	-.00030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-13 Operator: SW
Run Time: 07/14/04 10:46:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00552	-.00048	.00449	-.00626	.00007	-.00227	.00035
SDev	.00343	.00065	.00259	.00532	.00027	.00370	.00006
%RSD	62.054	135.20	57.531	84.978	406.08	162.83	15.807
#1	-.00795	-.00002	.00267	-.01003	.00025	.00034	.00038
#2	-.00310	-.00094	.00632	-.00250	-.00012	-.00489	.00031
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	.00023	.05793	-.00001	.00021	-.00039	-.00031	.26551
SDev	.00000	.00281	.00005	.00017	.00025	.00018	.01269
%RSD	.16498	4.8518	547.46	81.607	63.148	58.573	4.7777
#1	.00023	.05594	.00002	.00033	-.00022	-.00018	.27448
#2	.00023	.05992	-.00004	.00009	-.00057	-.00044	.25654
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	.27825	.03173	.00088	.14795	.00052	-.00122	.00002
SDev	.02618	.00598	.00003	.00034	.00004	.00126	.00073
%RSD	9.4108	18.849	2.8781	.23178	7.0363	103.26	3380.1
#1	.29676	.03596	.00090	.14771	.00054	-.00033	.00054
#2	.25973	.02750	.00086	.14820	.00049	-.00211	-.00049
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00394	-.00064	-.00216	-.00268	.00335
SDev	.00039	.00111	.00071	.00441	.00001
%RSD	9.8415	172.14	32.718	164.52	.15261
#1	.00422	.00014	-.00266	-.00580	.00335
#2	.00367	-.00142	-.00166	.00044	.00334
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-14 Operator: SW
Run Time: 07/14/04 10:49:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00379	-.00008	.00379	-.00260	.00040	-.00640	.00002
SDev	.00402	.00168	.00157	.00425	.00025	.00057	.00001
%RSD	106.16	2046.5	41.510	163.37	61.650	8.9580	44.870
#1	-.00094	-.00127	.00268	-.00561	.00057	-.00680	.00002
#2	-.00663	.00110	.00490	.00040	.00022	-.00599	.00003
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	.04137	-.00024	.00027	-.00032	-.00039	.01630
SDev	.00000	.00128	.00001	.00052	.00030	.00025	.00079
%RSD	.35707	3.0936	3.2112	190.06	93.195	63.977	4.8367
#1	.00003	.04047	-.00024	.00064	-.00053	-.00056	.01574
#2	.00003	.04228	-.00025	-.00009	-.00011	-.00021	.01686
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	.29388	.01923	-.00014	.11342	.00078	-.00018	-.00011
SDev	.00102	.00353	.00000	.00080	.00042	.00179	.00018
%RSD	.34758	18.374	.00000	.70277	53.014	1015.9	169.85
#1	.29316	.01674	-.00014	.11286	.00108	.00109	-.00024
#2	.29460	.02173	-.00014	.11398	.00049	-.00144	.00002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00099	-.00199	-.00132	-.00048	-.00064
SDev	.00037	.00080	.00022	.00336	.00122
%RSD	37.496	40.404	16.668	706.55	191.50
#1	-.00073	-.00256	-.00116	-.00285	.00023
#2	-.00125	-.00142	-.00147	.00190	-.00150
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-15 Operator: SW
Run Time: 07/14/04 10:52:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00244	-.00096	.01229	-.00687	.00077	.48270	.03286
SDev	.00385	.00084	.00183	.00308	.00020	.00076	.00007
%RSD	157.87	87.372	14.867	44.798	26.421	.15738	.20916
#1	-.00517	-.00037	.01358	-.00469	.00063	.48323	.03281
#2	.00028	-.00155	.01100	-.00905	.00092	.48216	.03290
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	.00021	35.655	-.00010	.00154	-.00015	.00674	.17154
SDev	.00000	.021	.00011	.00004	.00040	.00002	.01581
%RSD	.13887	.05848	108.70	2.8098	265.83	.33536	9.2139
#1	.00021	35.669	-.00002	.00157	.00013	.00675	.18272
#2	.00021	35.640	-.00018	.00151	-.00044	.00672	.16037
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	1.4634	7.3285	.08512	4.4488	.00497	.00002	-.00036
SDev	.0017	.0022	.00010	.0388	.00058	.00175	.00054
%RSD	.11916	.02971	.11944	.87237	11.588	10426.	149.78
#1	1.4622	7.3269	.08505	4.4214	.00538	-.00122	.00002
#2	1.4647	7.3300	.08519	4.4762	.00457	.00126	-.00075
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.02335	-.00201	-.00145	-.00049	.00185
SDev	.00057	.00218	.00073	.00266	.00128
%RSD	2.4503	108.10	49.956	543.38	69.206
#1	.02375	-.00047	-.00196	.00139	.00276
#2	.02294	-.00355	-.00094	-.00237	.00095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Analysis Report 07/14/04 10:59:52 AM

Method: TRACE Sample Name: 0407072-16 Operator: SW
Run Time: 07/14/04 10:57:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00574	.00124	.00195	.00052	-.00028	.26563	.03161
SDev	.00252	.00187	.00084	.00314	.00047	.00622	.00002
%RSD	43.850	151.46	42.897	603.06	167.04	2.3423	.07244
#1	-.00752	.00256	.00255	.00274	-.00061	.27003	.03159
#2	-.00396	-.00009	.00136	-.00170	.00005	.26123	.03163
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	35.187	-.00025	.00369	-.00065	.00298	.02310
SDev	.00000	.028	.00011	.00082	.00023	.00009	.00159
%RSD	.14773	.08029	43.521	22.338	36.057	3.0302	6.8613
#1	.00013	35.167	-.00033	.00310	-.00081	.00292	.02422
#2	.00013	35.207	-.00017	.00427	-.00048	.00305	.02198
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	1.4205	7.2478	.08169	4.4912	.00488	-.00311	-.00024
SDev	.0013	.0046	.00001	.0158	.00011	.00047	.00036
%RSD	.09235	.06384	.01555	.35128	2.2386	15.128	154.34
#1	1.4215	7.2511	.08170	4.5023	.00480	-.00344	.00002
#2	1.4196	7.2446	.08168	4.4800	.00495	-.00278	-.00049
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01754	-.00119	-.00109	.00100	.00119
SDev	.00038	.00167	.00041	.00237	.00043
%RSD	2.1803	140.85	37.815	237.82	36.187
#1	.01727	-.00000	-.00080	.00267	.00149
#2	.01781	-.00237	-.00138	-.00068	.00088
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-17 Operator: SW
Run Time: 07/14/04 10:59:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00652	-.00074	.00533	-.00892	.00063	.43089	.03265
SDev	.00480	.00032	.00857	.00451	.00004	.00193	.00002
%RSD	73.523	44.045	160.71	50.532	6.4981	.44752	.07016
#1	-.00991	-.00097	-.00073	-.01210	.00060	.43226	.03266
#2	-.00313	-.00051	.01139	-.00573	.00066	.42953	.03263
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	.00023	35.689	-.00019	.00145	.00003	.00563	.10618
SDev	.00000	.009	.00013	.00017	.00014	.00009	.00409
%RSD	.00000	.02401	71.097	11.959	401.78	1.6040	3.8567
#1	.00023	35.683	-.00028	.00133	.00013	.00570	.10908
#2	.00023	35.695	-.00009	.00157	-.00006	.00557	.10328
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	1.4128	7.3267	.07551	4.4126	.00489	-.00211	.00028
SDev	.0035	.0171	.00004	.0059	.00027	.00047	.00000
%RSD	.24770	.23404	.05048	.13464	5.5351	22.302	.00000
#1	1.4153	7.3146	.07548	4.4084	.00469	-.00178	.00028
#2	1.4103	7.3389	.07554	4.4168	.00508	-.00245	.00028
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.02159	-.00140	-.00266	-.00417	.00422
SDev	.00076	.00224	.00181	.00586	.00042
%RSD	3.5351	160.38	68.080	140.39	10.047
#1	.02105	-.00298	-.00395	-.00831	.00452
#2	.02213	.00019	-.00138	-.00003	.00392
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-18 Operator: SW
Run Time: 07/14/04 11:02:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00160	-.00177	.00709	-.00584	.00028	.23390	.03157
SDev	.00224	.00014	.00662	.00246	.00004	.00273	.00006
%RSD	139.35	7.8420	93.406	42.042	14.485	1.1656	.18135
#1	-.00319	-.00167	.01177	-.00411	.00031	.23197	.03153
#2	-.00002	-.00187	.00241	-.00758	.00025	.23583	.03161
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	.00039	35.763	-.00008	.00212	-.00012	.00287	.21347
SDev	.00000	.034	.00005	.00017	.00020	.00029	.00505
%RSD	.04954	.09586	57.310	8.1632	169.73	10.232	2.3637
#1	.00039	35.738	-.00011	.00225	.00002	.00266	.20991
#2	.00039	35.787	-.00005	.00200	-.00026	.00308	.21704
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	1.4526	7.3217	.06936	4.4262	.00472	.00074	-.00024
SDev	.0083	.0019	.00005	.0210	.00040	.00561	.00036
%RSD	.57062	.02602	.07329	.47356	8.3896	756.33	154.34
#1	1.4585	7.3204	.06932	4.4114	.00444	.00471	-.00049
#2	1.4468	7.3231	.06939	4.4411	.00500	-.00322	.00002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01416	.00021	-.00171	-.00154	-.00139
SDev	.00057	.00264	.00065	.00384	.00081
%RSD	4.0607	1253.5	38.031	250.01	58.318
#1	.01456	-.00166	-.00218	.00118	-.00196
#2	.01375	.00208	-.00125	-.00426	-.00082
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-19 Operator: SW
Run Time: 07/14/04 11:04:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00478	-.00017	.00672	-.00593	.00066	.43075	.03276
SDev	.00188	.00225	.00221	.00338	.00008	.00559	.00002
%RSD	39.207	1345.6	32.853	56.926	12.425	1.2977	.06993
#1	-.00611	.00142	.00516	-.00832	.00060	.43471	.03278
#2	-.00346	-.00176	.00828	-.00355	.00072	.42680	.03274
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	.00021	35.708	.00005	.00179	.00006	.00624	.14978
SDev	.00000	.057	.00008	.00030	.00008	.00000	.00660
%RSD	.09282	.15839	167.51	16.980	136.83	.00000	4.4047
#1	.00021	35.668	.00010	.00200	.00011	.00624	.15445
#2	.00021	35.748	-.00001	.00157	.00000	.00624	.14512
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	1.4366	7.3242	.07627	4.3635	.00527	.00046	.00054
SDev	.0066	.0044	.00001	.0126	.00023	.00427	.00036
%RSD	.45601	.05946	.01666	.28984	4.4375	925.33	67.871
#1	1.4412	7.3212	.07626	4.3546	.00510	-.00256	.00079
#2	1.4320	7.3273	.07628	4.3725	.00543	.00348	.00028
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.02146	-.00088	-.00170	-.00172	.00513
SDev	.00019	.00164	.00088	.00299	.00168
%RSD	.88939	186.94	51.391	173.57	32.793
#1	.02132	-.00204	-.00108	-.00383	.00394
#2	.02159	.00028	-.00232	.00039	.00632
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-20 Operator: SW
Run Time: 07/14/04 11:07:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00748	-.00299	.00749	-.00133	.00011	.22345	.03124
SDev	.00219	.00130	.00459	.00194	.00020	.00195	.00006
%RSD	29.291	43.547	61.291	145.48	187.88	.87218	.18320
#1	-.00593	-.00391	.00425	-.00271	.00025	.22483	.03120
#2	-.00903	-.00207	.01074	.00004	-.00004	.22207	.03129
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	.00017	35.706	-.00013	.00969	-.00060	.00285	.04643
SDev	.00002	.021	.00004	.00022	.00020	.00005	.00081
%RSD	10.681	.05920	30.891	2.2355	33.529	1.5829	1.7434
#1	.00018	35.691	-.00010	.00984	-.00046	.00282	.04586
#2	.00016	35.721	-.00015	.00954	-.00075	.00289	.04700
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	1.4261	7.3238	.07892	4.4625	.00564	.00095	-.00049
SDev	.0135	.0038	.00028	.0077	.00027	.00227	.00036
%RSD	.95004	.05203	.35427	.17270	4.7999	239.83	73.798
#1	1.4357	7.3212	.07872	4.4571	.00583	.00255	-.00024
#2	1.4165	7.3265	.07911	4.4680	.00544	-.00066	-.00075
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00873	-.00076	-.00448	.00161	.00060
SDev	.00019	.00013	.00014	.00282	.00211
%RSD	2.2067	17.482	3.0758	175.83	350.13
#1	.00859	-.00086	-.00458	-.00039	.00209
#2	.00886	-.00067	-.00439	.00360	-.00089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/14/04 11:09:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50288	.50794	.51692	.49760	.49986	51.022	.48401
SDev	.00206	.00428	.00424	.00187	.00199	.398	.00257
%RSD	.41058	.84318	.82017	.37584	.39897	.78045	.53183
#1	.50142	.50491	.51393	.49628	.49845	50.740	.48219
#2	.50434	.51097	.51992	.49892	.50127	51.303	.48583
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	.51540	51.937	.49298	.48972	.49450	.51255	21.222
SDev	.00129	.119	.00141	.00065	.00179	.00350	.074
%RSD	.25032	.22885	.28631	.13283	.36272	.68323	.34749
#1	.51449	51.853	.49198	.49018	.49323	.51007	21.170
#2	.51631	52.021	.49398	.48926	.49577	.51502	21.275
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	21.178	51.601	.49824	21.412	.48177	.50308	.50882
SDev	.166	.180	.00128	.145	.00045	.00151	.00091
%RSD	.78360	.34961	.25631	.67778	.09390	.30038	.17876
#1	21.060	51.473	.49734	21.309	.48209	.50415	.50818
#2	21.295	51.728	.49914	21.514	.48145	.50201	.50947
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50774	.50809	.50626	.50404	.52412
SDev	.00168	.00064	.00354	.00266	.01005
%RSD	.32982	.12683	.70009	.52758	1.9181
#1	.50656	.50763	.50375	.50216	.53123
#2	.50892	.50854	.50876	.50592	.51701
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Analysis Report Blank Sample 07/14/04 11:18:13 AM

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/14/04 11:15:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00250	.00048	.00354	-.00040	.00009	.00003	.00007
SDev	.00155	.00079	.00333	.00108	.00031	.00349	.00001
%RSD	62.214	166.21	94.156	268.20	324.99	9983.3	15.557
#1	-.00360	-.00008	.00118	-.00117	-.00012	.00250	.00006
#2	-.00140	.00104	.00590	.00036	.00031	-.00243	.00008
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	.04213	-.00005	.00003	-.00009	-.00045	.01578
SDev	.00000	.00021	.00032	.00017	.00037	.00011	.00001
%RSD	.06161	.50673	687.60	608.67	433.36	24.972	.08531
#1	.00016	.04197	-.00027	-.00009	-.00035	-.00053	.01579
#2	.00016	.04228	.00018	.00015	.00018	-.00037	.01577
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	.36776	.02961	-.00024	.08801	-.00002	-.00211	-.00011
SDev	.00050	.00136	.00001	.00003	.00076	.00111	.00018
%RSD	.13579	4.5899	5.2919	.03978	3784.9	52.359	169.85
#1	.36811	.02865	-.00025	.08798	-.00056	-.00133	-.00024
#2	.36740	.03058	-.00023	.08803	.00052	-.00289	.00002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00112	.00146	-.00051	.00091	-.00150
SDev	.00019	.00040	.00105	.00183	.00081
%RSD	16.554	27.311	203.27	201.41	53.666
#1	-.00125	.00175	-.00125	-.00039	-.00207
#2	-.00099	.00118	.00022	.00221	-.00093
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040713-2MB Operator: SW
Run Time: 07/14/04 11:18:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00533	-.00127	.00536	-.00088	.00008	-.01461	.00013
SDev	.00224	.00111	.00074	.00170	.00000	.00715	.00001
%RSD	42.032	87.408	13.740	192.47	.00000	48.967	8.3140
#1	-.00692	-.00206	.00484	.00032	.00008	-.00955	.00014
#2	-.00375	-.00049	.00589	-.00209	.00008	-.01967	.00012
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	.00013	.04092	-.00019	.00015	.00116	-.00020	H.34624
SDev	.00000	.00064	.00012	.00035	.00020	.00002	.00083
%RSD	.07384	1.5632	65.003	229.48	17.481	11.483	.24088
#1	.00013	.04137	-.00010	-.00009	.00130	-.00018	H.34565
#2	.00013	.04047	-.00028	.00040	.00101	-.00021	H.34683
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	.36139	.01808	.00066	.10291	.00030	-.00307	-.00011
SDev	.00950	.00136	.00004	.00010	.00020	.00292	.00018
%RSD	2.6300	7.5177	5.7900	.10142	66.510	94.977	169.85
#1	.35467	.01904	.00068	.10298	.00016	-.00513	.00002
#2	.36811	.01712	.00063	.10284	.00044	-.00101	-.00024
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00035	-.00232	-.00263	.00120	-.00077
SDev	.00000	.00228	.00149	.00089	.00247
%RSD	.00000	98.281	56.721	74.338	321.47
#1	.00035	-.00071	L-.00368	.00183	-.00251
#2	.00035	-.00393	-.00157	.00057	.00098
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Suppl. Note of Vial
SW 7/14/04

Analysis Report 07/14/04 11:24:54 AM

Method: TRACE Sample Name: IP040713-2MB Operator: SW
Run Time: 07/14/04 11:22:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00049	-.00193	.00102	.00020	.00015	-.01502	-.00006
SDev	.00514	.00214	.00376	.00501	.00096	.00463	.00010
%RSD	1042.7	110.95	369.13	2514.7	631.34	30.856	181.28
#1	-.00314	-.00042	-.00164	-.00334	.00083	-.01174	.00002
#2	.00412	-.00344	.00368	.00374	-.00053	-.01829	-.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	.00003	.02552	-.00022	-.00046	-.00048	-.00077	.00352
SDev	.00000	.00084	.00028	.00061	.00084	.00056	.01282
%RSD	1.4189	3.2788	129.24	131.37	174.23	73.176	364.05
#1	.00003	.02612	-.00002	-.00003	.00011	-.00037	.01259
#2	.00003	.02493	-.00041	-.00089	-.00108	-.00117	-.00554
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	.35731	.01135	-.00042	.08347	-.00043	-.00085	-.00049
SDev	.05209	.00652	.00006	.00077	.00083	.00225	.00073
%RSD	14.579	57.470	15.134	.92453	193.68	265.26	147.60
#1	.39415	.01597	-.00037	.08402	.00016	.00074	.00002
#2	.32048	.00674	-.00046	.08293	-.00101	-.00244	-.00101
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00099	-.00145	-.00112	.00047	-.00121
SDev	.00074	.00285	.00028	.00459	.00203
%RSD	74.992	196.81	25.291	972.67	166.91
#1	-.00046	.00057	-.00132	-.00278	-.00265
#2	-.00151	-.00346	-.00092	.00372	.00022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040713-2LCS Operator: SW
Run Time: 07/14/04 11:24:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.52192	.52775	2.2659	2.2892	.05134	2.2030	1.9296
SDev	.00299	.00312	.0053	.0067	.00000	.0137	.0046
%RSD	.57217	.59084	.23356	.29343	.00000	.62017	.24093
#1	.52404	.52995	2.2696	2.2844	.05134	2.1934	1.9263
#2	.51981	.52554	2.2621	2.2939	.05134	2.2127	1.9329
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	.05298	40.507	.05111	.49990	.20826	.25251	1.1230
SDev	.00015	.110	.00043	.00078	.01291	.00154	.0897
%RSD	.27599	.27152	.83946	.15670	6.2009	.60846	7.9920
#1	.05308	40.585	.05142	.49935	.19913	.25142	1.0595
#2	.05287	40.429	.05081	.50046	.21739	.25359	1.1865
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	39.625	40.735	.50679	38.613	.50865	.51362	.50329
SDev	.091	.053	.00229	.096	.01138	.00361	.00000
%RSD	.22971	.12966	.45110	.24907	2.2376	.70253	.00000
#1	39.561	40.772	.50518	38.545	.50060	.51617	.50329
#2	39.690	40.697	.50841	38.681	.51669	.51107	.50329
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.52353	2.1216	.52581	2.2814	2.1533
SDev	.00279	.0033	.00307	.0027	.0032
%RSD	.53307	.15552	.58466	.11886	.15094
#1	.52550	2.1193	.52798	2.2795	2.1510
#2	.52155	2.1239	.52363	2.2833	2.1556
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000
Low	.40000	1.6000	.40000	1.6000	1.6000

Method: TRACE Sample Name: 0407019-1 Operator: SW
Run Time: 07/14/04 11:27:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00138	.00098	.00750	.00051	-.00001	.08989	.06147
SDev	.00197	.00229	.00542	.00196	.00025	.00159	.00014
%RSD	142.77	232.95	72.329	387.88	3591.0	1.7726	.22507
#1	.00001	-.00064	.01133	.00189	.00017	.09101	.06157
#2	-.00277	.00260	.00366	-.00088	-.00018	.08876	.06137
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	46.248	.00050	.00066	.00391	.10055	.48402
SDev	.00000	.215	.00035	.00052	.00512	.00016	.03389
%RSD	.06205	.46595	71.390	78.463	131.00	.15729	7.0009
#1	.00016	46.400	.00075	.00103	.00029	.10067	.46006
#2	.00015	46.096	.00025	.00030	.00753	.10044	.50798
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	2.9200	12.263	.00887	16.555	.00886	-.00237	.00195
SDev	.0078	.054	.00097	.062	.00470	.00326	.00018
%RSD	.26563	.43757	10.876	.37491	53.065	137.65	9.3241
#1	2.9255	12.301	.00819	16.599	.00553	-.00468	.00182
#2	2.9145	12.225	.00956	16.512	.01218	-.00006	.00208
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.21685	.00098	.00020	.00283	-.00015
SDev	.00075	.00246	.00087	.00311	.00081
%RSD	.34484	250.37	444.88	109.91	526.61
#1	.21738	-.00076	-.00042	.00504	.00042
#2	.21632	.00272	.00081	.00063	-.00073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407019-2 Operator: SW
Run Time: 07/14/04 11:30:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00358	-.00127	.01450	.00359	.00018	.12523	.06106
SDev	.00082	.00135	.00429	.00373	.00018	.00593	.00000
%RSD	22.839	106.31	29.580	103.85	101.60	4.7368	.00000
#1	-.00300	-.00032	.01146	.00095	.00005	.12942	.06106
#2	-.00416	-.00222	.01753	.00623	.00031	.12103	.06106
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	72.403	-.00016	-.00001	.00099	.00476	.34077
SDev	.00000	.170	.00002	.00026	.00003	.00016	.00683
%RSD	.00000	.23430	13.890	2269.3	3.1368	3.3255	2.0032
#1	.00015	72.283	-.00018	-.00020	.00101	.00464	.33594
#2	.00015	72.523	-.00015	.00017	.00097	.00487	.34560
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	3.9287	18.810	.04208	28.688	.00501	-.00031	.00208
SDev	.0032	.044	.00008	.036	.00005	.00147	.00000
%RSD	.08090	.23486	.18111	.12384	1.0717	478.76	.00000
#1	3.9264	18.779	.04203	28.713	.00505	.00073	.00208
#2	3.9309	18.841	.04214	28.663	.00497	-.00134	.00208
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01429	.00007	-.00204	.00722	.00070
SDev	.00000	.00204	.00117	.00392	.00043
%RSD	.00000	2790.5	57.480	54.208	61.381
#1	.01429	.00152	-.00121	.00445	.00100
#2	.01429	-.00137	-.00287	.00999	.00039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407019-3 Operator: SW
Run Time: 07/14/04 11:32:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00044	-.00072	.01295	-.00241	.00063	.21640	.06280
SDev	.00246	.00160	.00137	.00225	.00008	.00587	.00001
%RSD	557.76	222.65	10.576	93.377	12.996	2.7118	.01836
#1	.00218	-.00185	.01198	-.00401	.00069	.22055	.06280
#2	-.00130	.00041	.01392	-.00082	.00057	.21225	.06279
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	.00017	47.036	-.00011	.00100	.00031	.00169	.22301
SDev	.00002	.058	.00020	.00004	.00022	.00011	.00169
%RSD	10.926	.12240	176.49	4.3316	70.289	6.6907	.75589
#1	.00018	46.995	.00003	.00097	.00016	.00161	.22420
#2	.00015	47.077	-.00026	.00103	.00046	.00177	.22182
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	3.3687	12.361	.01087	34.987	.00257	-.00345	.00336
SDev	.0081	.028	.00003	.018	.00016	.00142	.00000
%RSD	.23919	.22699	.23372	.05176	6.3179	41.002	.00000
#1	3.3630	12.341	.01085	34.974	.00245	-.00445	.00336
#2	3.3744	12.381	.01088	34.999	.00268	-.00245	.00336
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00326	.00069	-.00033	.00270	.00214
SDev	.00058	.00030	.00025	.00196	.00422
%RSD	17.910	44.043	74.392	72.432	197.21
#1	.00284	.00047	-.00051	.00132	-.00084
#2	.00367	.00090	-.00016	.00409	.00512
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407019-4 Operator: SW
Run Time: 07/14/04 11:35:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00502	-.00131	.00922	.00013	-.00025	.13265	.06004
SDev	.00055	.00037	.00706	.00453	.00014	.00138	.00003
%RSD	10.954	28.303	76.574	3597.3	56.657	1.0369	.05759
#1	-.00541	-.00158	.01421	-.00307	-.00035	.13363	.06002
#2	-.00463	-.00105	.00423	.00333	-.00015	.13168	.06007
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	46.702	-.00040	.00048	.00433	.03415	2.9270
SDev	.00000	.033	.00033	.00009	.00076	.00038	.0103
%RSD	.12416	.06970	81.149	18.117	17.625	1.1246	.35117
#1	.00015	46.725	-.00017	.00042	.00487	.03388	2.9343
#2	.00016	46.679	-.00063	.00054	.00379	.03443	2.9197
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	2.9309	12.361	.03174	17.037	.01282	-.00099	.00182
SDev	.0061	.015	.00008	.048	.00079	.00400	.00036
%RSD	.20886	.11901	.24013	.28344	6.1819	405.50	19.964
#1	2.9266	12.371	.03179	17.002	.01338	.00184	.00208
#2	2.9353	12.350	.03168	17.071	.01226	-.00382	.00156
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00477	.00281	-.00255	.00315	.00656
SDev	.00000	.00014	.00043	.00067	.00042
%RSD	.00000	4.8734	16.919	21.191	6.3339
#1	.00477	.00290	-.00285	.00268	.00627
#2	.00477	.00271	-.00224	.00363	.00686
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407019-5 Operator: SW
Run Time: 07/14/04 11:37:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00619	.00013	.00675	.00034	.00033	.22471	.06095
SDev	.00069	.00010	.00184	.00716	.00104	.00155	.00050
%RSD	11.072	77.885	27.251	2127.0	320.15	.69171	.81322
#1	-.00667	.00020	.00804	-.00472	.00106	.22581	.06060
#2	-.00570	.00006	.00545	.00540	-.00041	.22361	.06130
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	.00014	55.291	-.00027	.00069	.00308	.01869	1.7364
SDev	.00002	.061	.00009	.00022	.00034	.00034	.0119
%RSD	12.701	.11063	33.865	31.229	11.105	1.8136	.68303
#1	.00015	55.334	-.00021	.00085	.00333	.01893	1.7448
#2	.00013	55.248	-.00034	.00054	.00284	.01845	1.7281
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	3.3977	14.043	.04744	22.363	.00938	-.00094	.00297
SDev	.0153	.030	.00005	.326	.00061	.00327	.00055
%RSD	.45021	.21150	.10711	1.4573	6.5320	348.06	18.313
#1	3.3869	14.022	.04740	22.133	.00981	.00137	.00336
#2	3.4085	14.064	.04747	22.593	.00895	-.00325	.00259
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00709	.00117	-.00197	.00247	-.00094
SDev	.00019	.00037	.00016	.00416	.00867
%RSD	2.7213	31.583	8.1359	168.41	920.61
#1	.00723	.00143	-.00209	-.00047	.00519
#2	.00695	.00091	-.00186	.00541	-.00707
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407019-6 Operator: SW
Run Time: 07/14/04 11:40:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09327	.10020	.02010	.00247	.00985	.11622	.05247
SDev	.00069	.00080	.00127	.00028	.00096	.00298	.00041
%RSD	.74428	.80279	6.3327	11.339	9.7695	2.5615	.78961
#1	.09278	.10077	.01920	.00228	.00917	.11832	.05277
#2	.09376	.09963	.02100	.00267	.01054	.11411	.05218
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	.00017	43.028	-.00035	-.00069	.00705	.22123	.43028
SDev	.00002	.135	.00004	.00087	.00081	.00163	.00943
%RSD	10.560	.31370	10.944	125.84	11.488	.73535	2.1921
#1	.00016	42.933	-.00038	-.00130	.00647	.22238	.42361
#2	.00018	43.124	-.00032	-.00008	.00762	.22007	.43695
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	41.252	75.647	H21.065	60.780	.00162	.04014	-.00242
SDev	.474	.027	.022	.678	.00052	.00305	.00054
%RSD	1.1486	.03603	.10563	1.1155	32.271	7.5970	22.528
#1	41.587	75.628	H21.049	61.259	.00125	.03798	-.00280
#2	40.917	75.666	H21.081	60.300	.00199	.04229	-.00203
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.43233	.00116	.09790	.00834	.00391
SDev	.00335	.00194	.00030	.00061	.00922
%RSD	.77518	167.39	.31193	7.3229	235.92
#1	.42996	-.00021	.09811	.00791	-.00261
#2	.43470	.00254	.09768	.00877	.01043
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407019-7 Operator: SW
Run Time: 07/14/04 11:42:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00337	-.00168	.00719	-.00359	.00004	.12382	.06173
SDev	.00242	.00139	.00460	.00102	.00068	.00634	.00009
%RSD	71.838	83.038	63.942	28.475	1846.3	5.1201	.14942
#1	-.00166	-.00266	.01043	-.00431	.00051	.12830	.06166
#2	-.00508	-.00069	.00394	-.00287	-.00044	.11933	.06179
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	46.437	-.00020	-.00004	.00064	.00191	.15515
SDev	.00000	.015	.00004	.00074	.00013	.00038	.00575
%RSD	.06227	.03190	19.518	1759.6	19.450	20.088	3.7087
#1	.00015	46.427	-.00023	.00048	.00073	.00218	.15922
#2	.00015	46.448	-.00017	-.00056	.00055	.00164	.15108
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	4.6148	12.307	.01501	17.234	.00278	.00056	.00246
SDev	.0012	.009	.00016	.008	.00083	.00143	.00018
%RSD	.02546	.07304	1.1001	.04775	29.818	254.20	7.3783
#1	4.6140	12.300	.01512	17.240	.00337	-.00045	.00233
#2	4.6157	12.313	.01489	17.229	.00220	.00157	.00259
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00941	.00135	-.00224	-.00000	.00184
SDev	.00000	.00090	.00012	.00085	.00545
%RSD	.00000	66.985	5.5235	34562.	295.70
#1	.00941	.00199	-.00233	.00060	.00570
#2	.00941	.00071	-.00215	-.00060	-.00201
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/14/04 11:45:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.51291	.51230	.52206	.50655	.50337	51.654	.48546
SDev	.00042	.00323	.01564	.00687	.00006	.132	.00103
%RSD	.08188	.63031	2.9953	1.3560	.01251	.25502	.21162
#1	.51262	.51002	.53312	.51141	.50332	51.748	.48618
#2	.51321	.51458	.51100	.50170	.50341	51.561	.48473
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	.52097	52.511	.49814	.49562	.49791	.51643	21.454
SDev	.00101	.087	.00134	.00195	.00041	.00072	.046
%RSD	.19459	.16514	.26971	.39424	.08145	.13999	.21400
#1	.52025	52.449	.49719	.49424	.49762	.51694	21.422
#2	.52168	52.572	.49909	.49700	.49820	.51592	21.487
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	21.338	52.265	.50211	21.623	.48458	.50675	.51333
SDev	.064	.009	.00054	.098	.00278	.00241	.00073
%RSD	.30044	.01731	.10683	.45314	.57455	.47591	.14176
#1	21.384	52.258	.50173	21.692	.48261	.50845	.51281
#2	21.293	52.271	.50249	21.553	.48655	.50504	.51384
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.51261	.51624	.51251	.51172	.51964
SDev	.00112	.00490	.00229	.00979	.00526
%RSD	.21778	.94860	.44754	1.9129	1.0123
#1	.51340	.51970	.51088	.51864	.51592
#2	.51182	.51278	.51413	.50480	.52336
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/14/04 11:47:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00424	-.00101	-.00137	.00185	.00049	-.00778	.00014
SDev	.00338	.00056	.00603	.00120	.00029	.00020	.00004
%RSD	79.732	55.451	439.75	64.973	59.054	2.5425	31.417
#1	-.00185	-.00061	.00289	.00100	.00069	-.00764	.00011
#2	-.00663	-.00140	-.00564	.00269	.00028	-.00792	.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	.00013	.04439	-.00013	.00015	.00005	-.00024	.01584
SDev	.00000	.00128	.00017	.00043	.00044	.00023	.01054
%RSD	.14818	2.8912	132.03	286.86	950.06	92.338	66.564
#1	.00013	.04530	-.00025	-.00016	-.00026	-.00040	.00838
#2	.00013	.04348	-.00001	.00046	.00035	-.00008	.02330
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	.38357	.03404	.00040	.09550	.00027	-.00284	.00028
SDev	.02586	.00544	.00000	.00035	.00074	.00276	.00036
%RSD	6.7419	15.975	.00000	.36539	270.61	97.287	130.50
#1	.36529	.03019	.00040	.09574	-.00025	-.00089	.00002
#2	.40186	.03788	.00040	.09525	.00080	-.00479	.00054
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00046	.00021	-.00208	.00077	.00053
SDev	.00037	.00037	.00150	.00121	.00043
%RSD	79.827	174.87	71.908	156.03	80.302
#1	-.00073	-.00005	-.00102	.00163	.00083
#2	-.00020	.00047	L-.00314	-.00008	.00023
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0407037-1 Operator: SW
Run Time: 07/14/04 11:50:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00013	-.00349	.39020	.35832	.00062	.02182	.08194
SDev	.00518	.00335	.00620	.00275	.00027	.00043	.00017
%RSD	4058.6	96.205	1.5879	.76848	43.231	1.9551	.21169
#1	.00353	-.00586	.39459	.36026	.00080	.02212	.08181
#2	-.00379	-.00111	.38582	.35637	.00043	.02151	.08206
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	223.01	-.00033	.00009	.06831	.00345	.02119
SDev	.00002	2.46	.00004	.00004	.00087	.00016	.01223
%RSD	6.0340	1.1053	11.354	49.300	1.2763	4.5898	57.715
#1	.00028	221.26	-.00036	.00012	.06770	.00333	.01254
#2	.00031	224.75	-.00031	.00006	.06893	.00356	.02983
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	C.00000	.10977	.00052	C.00000	.00080	-.00500	.00336
SDev	.00000	.00979	.00005	.00000	.00032	.00056	.00073
%RSD	.00000	8.9154	9.7070	.00000	40.778	11.174	21.618
#1	C.00000	.10285	.00049	C.00000	.00102	-.00461	.00285
#2	C.00000	.11669	.00056	C.00000	.00057	-.00540	.00387
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00049	.00000	-.00237	.36894	.01185
SDev	.00020	.00151	.00051	.00390	.00292
%RSD	40.529	62013.	21.680	1.0571	24.627
#1	.00035	-.00106	-.00273	.37169	.01391
#2	.00063	.00107	-.00200	.36618	.00979
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-21 Operator: SW
Run Time: 07/14/04 11:52:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00010	-.00269	.01546	.00025	.00086	.43624	.03654
SDev	.00029	.00014	.00967	.00000	.00053	.00406	.00007
%RSD	294.44	5.1307	62.528	.63646	61.770	.93007	.18831
#1	-.00011	-.00279	.02230	.00025	.00124	.43911	.03658
#2	.00031	-.00260	.00863	.00025	.00049	.43337	.03649
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	.00039	41.305	.00002	.00154	-.00028	.00484	.08377
SDev	.00000	.066	.00012	.00022	.00009	.00014	.00645
%RSD	.04952	.16052	478.35	14.043	32.848	2.8033	7.7011
#1	.00039	41.352	.00011	.00139	-.00035	.00474	.07921
#2	.00039	41.258	-.00006	.00170	-.00022	.00493	.08833
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	1.7585	8.2570	.07677	4.6244	.01157	-.00289	-.00049
SDev	.0514	.0060	.00027	.0081	.00029	.00268	.00036
%RSD	2.9228	.07254	.34762	.17575	2.4929	92.680	73.798
#1	1.7221	8.2612	.07696	4.6187	.01137	-.00100	-.00075
#2	1.7948	8.2527	.07658	4.6301	.01178	-.00478	-.00024
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.07398	-.00138	-.00176	.00532	.00184
SDev	.00057	.00033	.00019	.00322	.00463
%RSD	.76487	24.307	10.728	60.518	252.10
#1	.07358	-.00114	-.00190	.00759	-.00144
#2	.07438	-.00161	-.00163	.00304	.00511
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407072-22 Operator: SW
Run Time: 07/14/04 11:55:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00287	-.00150	.01141	-.00624	-.00008	.19341	.03529
SDev	.00041	.00032	.00412	.00144	.00047	.00490	.00022
%RSD	14.251	21.566	36.079	23.000	594.38	2.5319	.61706
#1	-.00258	-.00173	.00850	-.00523	.00025	.19687	.03545
#2	-.00316	-.00127	.01432	-.00726	-.00041	.18994	.03514
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	40.754	.00001	.00770	-.00071	.00247	.00742
SDev	.00000	.061	.00000	.00009	.00011	.00005	.00513
%RSD	.03368	.14983	3.1008	1.1244	15.269	1.8285	69.151
#1	.00029	40.797	.00001	.00764	-.00064	.00244	.01105
#2	.00029	40.711	.00002	.00776	-.00079	.00250	.00379
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	1.5954	8.1867	.07981	4.6192	.01173	-.00266	-.00062
SDev	.0061	.0318	.00019	.0529	.00029	.00094	.00018
%RSD	.37937	.38903	.23885	1.1447	2.4573	35.444	29.264
#1	1.5997	8.2092	.07994	4.6566	.01153	-.00200	-.00049
#2	1.5912	8.1642	.07967	4.5818	.01194	-.00333	-.00075
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.06491	-.00041	-.00196	-.00036	.00092
SDev	.00057	.00023	.00008	.00041	.00419
%RSD	.87285	57.493	4.0961	113.37	456.86
#1	.06531	-.00057	-.00201	-.00066	.00388
#2	.06451	-.00024	-.00190	-.00007	-.00204
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407073-1 Operator: SW
Run Time: 07/14/04 11:57:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00254	-.00240	.01234	-.00359	-.00018	-.01356	.01675
SDev	.00014	.00028	.00311	.00092	.00033	.00482	.00001
%RSD	5.4476	11.559	25.166	25.635	181.42	35.563	.06793
#1	-.00264	-.00260	.01454	-.00424	.00005	-.01015	.01674
#2	-.00244	-.00220	.01015	-.00294	-.00041	-.01697	.01676
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	.00028	145.68	-.00049	.00037	-.00030	.00003	.91984
SDev	.00000	.04	.00006	.00004	.00014	.00029	.00801
%RSD	.13561	.02788	12.679	11.670	47.435	1091.5	.87074
#1	.00028	145.71	-.00044	.00034	-.00039	.00023	.92551
#2	.00028	145.65	-.00053	.00040	-.00020	-.00018	.91418
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	3.6503	27.497	.01243	41.040	.00063	-.00244	.00208
SDev	.1548	.049	.00015	.270	.00013	.00173	.00073
%RSD	4.2399	.17777	1.2260	.65715	20.022	70.829	34.989
#1	3.5409	27.463	.01232	40.849	.00054	-.00367	.00259
#2	3.7598	27.532	.01254	41.230	.00072	-.00122	.00156
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00091	-.00062	-.00245	.00172	.00062
SDev	.00039	.00167	.00023	.00042	.00087
%RSD	43.400	270.64	9.4461	24.512	140.38
#1	.00063	.00056	-.00261	.00202	.00123
#2	.00119	-.00180	-.00228	.00142	.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407073-1D Operator: SW
Run Time: 07/14/04 12:00:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00433	-.00098	.01104	-.00619	.00028	-.00781	.01673
SDev	.00238	.00154	.00805	.00338	.00020	.00367	.00001
%RSD	55.035	156.73	72.968	54.641	72.423	47.029	.06799
#1	-.00601	.00011	.00534	-.00858	.00014	-.00522	.01672
#2	-.00264	-.00207	.01673	-.00380	.00043	-.01041	.01674
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	.00028	145.26	-.00020	.00083	-.00008	.00009	.94817
SDev	.00000	.40	.00016	.00026	.00026	.00016	.00002
%RSD	.00000	.27419	77.147	31.289	351.89	174.15	.00209
#1	.00028	144.98	-.00031	.00065	-.00026	-.00002	.94818
#2	.00028	145.54	-.00009	.00101	.00011	.00020	.94815
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	3.4924	27.408	.01286	40.733	.00141	-.00051	.00233
SDev	.0173	.089	.00005	.108	.00025	.00542	.00000
%RSD	.49439	.32381	.39499	.26400	17.940	1071.8	.00000
#1	3.4802	27.345	.01282	40.657	.00123	-.00434	.00233
#2	3.5046	27.471	.01290	40.809	.00159	.00333	.00233
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00060	-.00242	-.00210	-.00045	.00483
SDev	.00019	.00315	.00023	.00494	.00084
%RSD	31.128	130.27	11.200	1095.3	17.445
#1	-.00046	-.00464	-.00193	-.00394	.00543
#2	-.00073	-.00019	-.00226	.00304	.00424
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407073-1L 5X Operator: SW
Run Time: 07/14/04 12:02:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00428	.00085	.00777	.00458	.00040	-.01518	.00335
SDev	.00114	.00015	.00321	.00702	.00033	.00058	.00002
%RSD	26.660	17.434	41.345	153.52	82.200	3.8473	.66725
#1	-.00347	.00075	.01004	-.00039	.00063	-.01477	.00334
#2	-.00508	.00096	.00550	.00954	.00017	-.01559	.00337
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	27.466	-.00013	.00064	.00001	-.00020	.20169
SDev	.00000	.109	.00007	.00000	.00017	.00007	.00167
%RSD	.05307	.39841	54.115	.00122	1332.0	34.449	.82958
#1	.00018	27.389	-.00018	.00064	.00013	-.00024	.20051
#2	.00018	27.544	-.00008	.00064	-.00011	-.00015	.20288
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	1.0525	5.4267	.00236	7.6621	.00075	-.00119	.00118
SDev	.0248	.0220	.00004	.1011	.00025	.00273	.00018
%RSD	2.3523	.40613	1.6115	1.3198	33.849	230.32	15.427
#1	1.0700	5.4111	.00234	7.5906	.00057	-.00312	.00105
#2	1.0350	5.4423	.00239	7.7336	.00092	.00075	.00131
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00073	-.00348	-.00086	.00564	-.00195
SDev	.00037	.00237	.00028	.00362	.00491
%RSD	51.025	68.254	32.762	64.098	251.59
#1	-.00099	-.00516	-.00066	.00308	.00152
#2	-.00046	-.00180	-.00106	.00820	-.00542
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407073-1MS Operator: SW
Run Time: 07/14/04 12:05:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.52811	.53020	2.3187	2.3431	.05176	2.3132	1.9581
SDev	.00221	.00191	.0035	.0115	.00023	.0090	.0012
%RSD	.41780	.36024	.15213	.49105	.43625	.38811	.06185
#1	.52655	.53155	2.3162	2.3512	.05192	2.3196	1.9590
#2	.52967	.52885	2.3212	2.3349	.05160	2.3069	1.9573
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	.05274	188.15	.05044	.49829	.19804	.26050	1.9069
SDev	.00018	.55	.00007	.00143	.00011	.00018	.0167
%RSD	.34542	.29030	.14207	.28753	.05506	.06939	.87311
#1	.05261	187.76	.05039	.49727	.19796	.26062	1.9187
#2	.05287	188.53	.05049	.49930	.19812	.26037	1.8952
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	48.571	69.626	.51712	82.673	.49033	.51765	.50715
SDev	.148	.112	.00100	.625	.00050	.00291	.00109
%RSD	.30519	.16034	.19267	.75573	.10276	.56134	.21521
#1	48.675	69.547	.51641	83.115	.49068	.51560	.50638
#2	48.466	69.704	.51782	82.231	.48997	.51970	.50792
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.51892	2.1820	.52950	2.3350	2.1672
SDev	.00261	.0093	.00054	.0065	.0008
%RSD	.50196	.42507	.10183	.27836	.03744
#1	.51708	2.1886	.52988	2.3396	2.1678
#2	.52076	2.1755	.52912	2.3304	2.1667
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407073-1MSD Operator: SW
Run Time: 07/14/04 12:07:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.52695	.52772	2.2960	2.3405	.05132	2.2748	1.9252
SDev	.00297	.00279	.0004	.0007	.00031	.0035	.0016
%RSD	.56437	.52950	.01537	.03140	.59991	.15505	.08489
#1	.52905	.52575	2.2958	2.3410	.05111	2.2723	1.9240
#2	.52485	.52970	2.2963	2.3400	.05154	2.2773	1.9263
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	.05301	189.55	.05064	.49852	.19819	.25567	1.9232
SDev	.00002	.14	.00002	.00048	.00030	.00050	.0101
%RSD	.03356	.07375	.02900	.09571	.14934	.19441	.52401
#1	.05300	189.65	.05065	.49886	.19799	.25532	1.9303
#2	.05303	189.45	.05063	.49818	.19840	.25602	1.9160
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	47.509	69.717	.51729	81.173	.49107	.52100	.50625
SDev	.116	.045	.00004	.086	.00054	.00150	.00091
%RSD	.24502	.06389	.00741	.10638	.11048	.28749	.17967
#1	47.427	69.685	.51732	81.112	.49145	.52206	.50561
#2	47.592	69.748	.51726	81.235	.49069	.51994	.50689
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.52511	2.1721	.52746	2.3257	2.1732
SDev	.00056	.0010	.00087	.0004	.0020
%RSD	.10630	.04680	.16559	.01602	.09228
#1	.52550	2.1713	.52685	2.3259	2.1718
#2	.52471	2.1728	.52808	2.3254	2.1746
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407073-2 Operator: SW
Run Time: 07/14/04 12:10:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00178	-.00679	.01599	-.00020	.00072	-.00985	.01631
SDev	.00211	.00251	.00383	.00280	.00074	.00348	.00001
%RSD	118.17	36.939	23.941	1375.6	102.80	35.340	.06972
#1	-.00327	-.00502	.01328	-.00218	.00020	-.00739	.01632
#2	-.00029	-.00857	.01870	.00178	.00124	-.01232	.01630
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	145.10	-.00026	.00031	-.00016	.00001	.01365
SDev	.00002	.30	.00006	.00013	.00014	.00000	.00752
%RSD	6.1443	.20607	21.601	41.943	85.813	.00000	55.111
#1	.00028	144.89	-.00029	.00022	-.00026	.00001	.01897
#2	.00031	145.31	-.00022	.00040	-.00006	.00001	.00833
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	3.4949	27.293	.00490	40.687	.00142	.00005	.00156
SDev	.0161	.004	.00006	.260	.00023	.00353	.00000
%RSD	.45954	.01501	1.2968	.63804	16.507	7017.7	.00000
#1	3.4836	27.290	.00485	40.871	.00125	-.00245	.00156
#2	3.5063	27.296	.00494	40.503	.00159	.00255	.00156
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00086	.00047	-.00512	.00519	.00563
SDev	.00019	.00000	.00097	.00314	.00085
%RSD	21.613	.11514	18.970	60.540	15.005
#1	-.00073	.00047	-.00444	.00297	.00623
#2	-.00099	.00047	-.00581	.00741	.00503
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407073-2D Operator: SW
Run Time: 07/14/04 12:13:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00591	.00092	.01424	-.00262	.00054	-.01150	.01625
SDev	.00544	.00291	.00830	.00020	.00000	.00347	.00010
%RSD	92.058	315.15	58.328	7.7343	.00000	30.137	.62990
#1	-.00976	.00298	.02011	-.00276	.00054	-.00905	.01618
#2	-.00206	-.00113	.00837	-.00247	.00054	-.01395	.01632
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	.00032	148.35	-.00040	.00111	-.00034	-.00004	.01733
SDev	.00002	.73	.00033	.00022	.00048	.00034	.00832
%RSD	5.5075	.49290	80.673	19.577	142.19	916.11	48.008
#1	.00034	147.83	-.00017	.00126	.00000	.00020	.02322
#2	.00031	148.87	-.00064	.00095	-.00068	-.00028	.01145
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	3.5494	27.768	.00498	40.508	.00077	.00095	.00195
SDev	.0249	.175	.00005	.728	.00029	.00338	.00091
%RSD	.70035	.62844	1.0206	1.7965	37.412	357.43	46.620
#1	3.5318	27.645	.00501	39.993	.00098	-.00144	.00259
#2	3.5670	27.891	.00494	41.022	.00057	.00334	.00131
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00112	-.00085	-.00135	.00300	.00148
SDev	.00019	.00121	.00013	.00263	.00502
%RSD	16.554	141.14	9.3385	87.811	338.94
#1	-.00099	-.00000	-.00126	.00486	-.00207
#2	-.00125	-.00171	-.00144	.00114	.00503
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/14/04 12:17:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48011	.48140	.50548	.48876	.48186	49.261	.46673
SDev	.00089	.00264	.00203	.01202	.00013	.280	.00299
%RSD	.18464	.54766	.40150	2.4593	.02611	.56818	.63976
#1	.48074	.47953	.50404	.48026	.48178	49.459	.46884
#2	.47949	.48326	.50691	.49726	.48195	49.063	.46461
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	.49294	49.141	.46730	.46878	.47165	.49683	20.208
SDev	.00177	.130	.00243	.00343	.00120	.00156	.034
%RSD	.35892	.26409	.51893	.73155	.25460	.31377	.17032
#1	.49169	49.049	.46558	.46635	.47080	.49793	20.184
#2	.49419	49.232	.46901	.47120	.47250	.49572	20.232
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	20.413	49.340	.47553	20.472	.45720	.48322	.48914
SDev	.162	.110	.00040	.172	.00031	.00181	.00000
%RSD	.79156	.22219	.08323	.83959	.06813	.37555	.00000
#1	20.528	49.263	.47525	20.593	.45698	.48194	.48914
#2	20.299	49.418	.47581	20.350	.45742	.48450	.48914
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.47708	.49042	.48097	.49433	.50091
SDev	.00149	.00517	.00146	.00869	.00122
%RSD	.31208	1.0544	.30424	1.7586	.24360
#1	.47603	.48676	.47993	.48818	.50004
#2	.47813	.49408	.48200	.50048	.50177
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/14/04 12:19:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00705	.00039	.00596	.00083	.00041	.00385	.00023
SDev	.00178	.00308	.00396	.00282	.00039	.00190	.00000
%RSD	25.226	799.22	66.481	340.44	94.191	49.277	.00000
#1	-.00580	.00256	.00316	-.00117	.00014	.00519	.00023
#2	-.00831	-.00179	.00875	.00283	.00069	.00251	.00023
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	.00014	.05564	.00004	.00037	.00003	-.00010	.02223
SDev	.00002	.00129	.00009	.00039	.00017	.00029	.00155
%RSD	12.629	2.3278	208.81	106.68	491.06	291.10	6.9941
#1	.00016	.05655	-.00002	.00009	-.00009	-.00031	.02332
#2	.00013	.05472	.00010	.00064	.00016	.00011	.02113
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	.31004	.04019	.00008	.10367	.00078	-.00295	.00002
SDev	.02184	.00000	.00004	.00070	.00020	.00307	.00036
%RSD	7.0445	.00000	45.738	.67093	25.245	104.12	1690.1
#1	.29460	.04019	.00006	.10417	.00092	-.00512	.00028
#2	.32549	.04019	.00011	.10318	.00064	-.00078	-.00024
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00073	.00236	-.00209	.00254	.00175
SDev	.00000	.00033	.00265	.00320	.00380
%RSD	.00000	14.123	126.54	126.23	216.47
#1	-.00073	.00260	-.00022	.00027	.00444
#2	-.00073	.00213	L-.00396	.00480	-.00093
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0407073-2L 5X Operator: SW
Run Time: 07/14/04 12:24:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00213	-.00071	.00798	-.00109	.00031	-.01078	.00316
SDev	.00406	.00107	.00257	.00442	.00033	.00097	.00001
%RSD	189.98	150.23	32.222	405.72	105.11	8.9777	.35431
#1	-.00500	.00004	.00979	.00204	.00008	-.01146	.00315
#2	.00073	-.00147	.00616	-.00421	.00054	-.01009	.00317
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	27.805	-.00008	.00061	-.00030	-.00029	.00575
SDev	.00000	.046	.00011	.00004	.00005	.00011	.00073
%RSD	.00000	.16594	129.59	7.0842	15.812	38.607	12.686
#1	.00008	27.772	-.00001	.00058	-.00026	-.00037	.00626
#2	.00008	27.837	-.00016	.00064	-.00033	-.00021	.00523
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	.76502	5.5385	.00061	7.8644	.00021	.00001	.00002
SDev	.01347	.0009	.00003	.0194	.00011	.00000	.00000
%RSD	1.7606	.01621	4.1426	.24628	51.431	6.2663	.00000
#1	.75550	5.5379	.00063	7.8781	.00029	.00001	.00002
#2	.77454	5.5392	.00060	7.8507	.00013	.00001	.00002
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00191	-.00083	-.00119	.00193	.00353
SDev	.00056	.00351	.00064	.00380	.00381
%RSD	29.172	422.85	53.571	197.15	108.04
#1	-.00230	.00165	-.00164	.00462	.00083
#2	-.00151	-.00332	-.00074	-.00076	.00622
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407073-2MS Operator: SW
Run Time: 07/14/04 12:27:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48834	.49066	2.1687	2.2150	.04979	2.1764	1.8593
SDev	.00287	.00508	.0091	.0053	.00055	.0024	.0014
%RSD	.58845	1.0346	.41857	.24075	1.1131	.11157	.07481
#1	.48631	.48707	2.1751	2.2112	.05018	2.1746	1.8583
#2	.49037	.49425	2.1623	2.2187	.04939	2.1781	1.8603
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	.04917	191.80	.04656	.46260	.18449	.24731	1.3660
SDev	.00000	.49	.00015	.00052	.00051	.00034	.0054
%RSD	.00019	.25711	.33383	.11274	.27861	.13703	.39454
#1	.04917	192.15	.04645	.46223	.18486	.24708	1.3622
#2	.04917	191.45	.04667	.46297	.18413	.24755	1.3698
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	45.810	71.160	.47668	83.735	.45401	.49412	.47487
SDev	.050	.016	.00041	.149	.00112	.00465	.00018
%RSD	.10820	.02254	.08571	.17748	.24646	.94176	.03831
#1	45.775	71.172	.47697	83.840	.45480	.49083	.47474
#2	45.845	71.149	.47639	83.629	.45322	.49741	.47500
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.48616	2.0259	.48989	2.1996	2.0378
SDev	.00056	.0055	.00434	.0005	.0117
%RSD	.11484	.27057	.88652	.02427	.57170
#1	.48656	2.0298	.48682	2.1992	2.0296
#2	.48577	2.0220	.49296	2.1999	2.0460
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407073-2MSD Operator: SW
Run Time: 07/14/04 12:29:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49797	.49094	2.2199	2.2565	.04967	2.2087	1.8856
SDev	.00036	.00051	.0082	.0070	.00018	.0105	.0019
%RSD	.07160	.10467	.36925	.31040	.37191	.47357	.10266
#1	.49772	.49057	2.2142	2.2615	.04954	2.2013	1.8843
#2	.49822	.49130	2.2257	2.2516	.04980	2.2161	1.8870
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	.04937	192.70	.04689	.46544	.18515	.25198	.93732
SDev	.00011	.38	.00096	.00061	.00026	.00038	.00174
%RSD	.22208	.19734	2.0446	.13047	.14302	.15243	.18537
#1	.04945	192.97	.04757	.46586	.18497	.25171	.93854
#2	.04929	192.43	.04621	.46501	.18534	.25225	.93609
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	46.655	71.822	.47895	85.284	.46233	.49851	.47963
SDev	.206	.027	.00080	.351	.00248	.00407	.00000
%RSD	.44063	.03707	.16794	.41143	.53533	.81550	.00000
#1	46.510	71.840	.47952	85.036	.46408	.49564	.47963
#2	46.801	71.803	.47838	85.532	.46058	.50139	.47963
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.47774	2.0525	.49328	2.2444	2.0632
SDev	.00168	.0055	.00046	.0019	.0125
%RSD	.35061	.26705	.09356	.08654	.60357
#1	.47892	2.0486	.49295	2.2457	2.0720
#2	.47655	2.0564	.49360	2.2430	2.0544
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407073-3 Operator: SW
Run Time: 07/14/04 12:32:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00416	-.00166	.01700	-.00415	.00070	.04460	.01182
SDev	.00456	.00125	.00656	.00113	.00055	.00342	.00014
%RSD	109.59	75.541	38.579	27.157	78.686	7.6741	1.1504
#1	-.00094	-.00255	.02164	-.00336	.00109	.04702	.01192
#2	-.00739	-.00077	.01236	-.00495	.00031	.04218	.01173
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	17.879	-.00020	.00276	.00383	.00135	.46414
SDev	.00000	.011	.00006	.00039	.00003	.00009	.00436
%RSD	.25746	.05921	30.586	14.131	.81238	6.6799	.93840
#1	.00007	17.887	-.00016	.00248	.00385	.00129	.46722
#2	.00007	17.872	-.00025	.00304	.00381	.00142	.46106
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	3.0300	5.6516	.01939	22.428	.00220	-.00120	.00696
SDev	.0077	.0063	.00006	.013	.00036	.00087	.00036
%RSD	.25510	.11123	.32751	.05870	16.354	72.174	5.2217
#1	3.0355	5.6560	.01943	22.419	.00245	-.00059	.00721
#2	3.0246	5.6471	.01934	22.438	.00195	-.00181	.00670
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01144	.00198	-.00249	.00289	.00493
SDev	.00019	.00224	.00068	.00294	.00211
%RSD	1.6779	113.39	27.399	101.57	42.800
#1	.01131	.00039	-.00201	.00497	.00642
#2	.01158	.00356	-.00298	.00081	.00344
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407073-4 Operator: SW
Run Time: 07/14/04 12:34:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00504	-.00104	.01393	-.00243	.00076	.00002	.01061
SDev	.00233	.00046	.00292	.00395	.00010	.00247	.00005
%RSD	46.280	44.644	20.969	162.54	13.462	11512.	.42702
#1	-.00668	-.00137	.01186	.00036	.00069	.00176	.01057
#2	-.00339	-.00071	.01599	-.00522	.00083	-.00172	.01064
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	17.916	-.00032	.00429	.00162	.00047	.02298
SDev	.00000	.022	.00008	.00039	.00011	.00029	.00458
%RSD	.12813	.12493	24.704	9.0886	6.7267	61.934	19.955
#1	.00007	17.900	-.00026	.00402	.00170	.00027	.01973
#2	.00008	17.932	-.00037	.00457	.00154	.00068	.02622
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	3.0496	5.6708	.00570	22.556	.00155	.00047	.00657
SDev	.0045	.0150	.00004	.154	.00031	.00084	.00018
%RSD	.14665	.26390	.66787	.68433	19.695	178.39	2.7639
#1	3.0528	5.6602	.00568	22.665	.00177	-.00012	.00670
#2	3.0464	5.6814	.00573	22.447	.00134	.00106	.00644
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00284	.00041	-.00237	.00302	.00444
SDev	.00039	.00505	.00109	.00166	.00085
%RSD	13.691	1242.0	45.801	55.072	19.041
#1	.00312	.00398	-.00314	.00419	.00384
#2	.00257	-.00317	-.00160	.00184	.00503
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0407073-2A Operator: SW
Run Time: 07/14/04 12:39:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0006	.98560	1.1157	1.1088	.00012	.01424	.01589
SDev	.0009	.00010	.0011	.0069	.00018	.00650	.00002
%RSD	.08626	.00962	.09470	.61833	149.26	45.662	.14313
#1	1.0012	.98566	1.1149	1.1039	.00025	.01884	.01587
#2	.99995	.98553	1.1164	1.1136	-.00001	.00964	.01590
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	.99198	149.71	.95952	.96132	.95717	1.0091	.89585
SDev	.00082	.10	.00161	.00070	.00142	.0091	.00369
%RSD	.08228	.06775	.16741	.07243	.14858	.90441	.41140
#1	.99140	149.64	.96066	.96082	.95617	1.0027	.89845
#2	.99256	149.78	.95839	.96181	.95818	1.0156	.89324
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	3.2600	29.372	.97002	42.526	.94112	.97972	.99352
SDev	.0053	.087	.00282	.434	.00400	.01210	.00474
%RSD	.16114	.29463	.29125	1.0202	.42533	1.2349	.47684
#1	3.2563	29.311	.96802	42.219	.93829	.97116	.99017
#2	3.2637	29.433	.97202	42.833	.94395	.98828	.99687
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.97390	1.0360	.99058	1.1111	1.0405
SDev	.00335	.0063	.00035	.0049	.0036
%RSD	.34377	.60459	.03540	.44324	.34769
#1	.97627	1.0316	.99083	1.1076	1.0430
#2	.97154	1.0404	.99033	1.1145	1.0379
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405097-17 ~~5X~~ 2X Operator: SW
Run Time: 07/14/04 12:42:26
Comment:
Mode: CONC Corr. Factor: 1 SW 7/15/04

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.4395	1.7494	-2.4153	-.00531	.00794	6.1140	.60553
SDev	.0043	.0090	.0076	.00049	.00141	.0517	.00320
%RSD	.30163	.51500	.31262	9.1998	17.793	.84601	.52818
#1	1.4364	1.7558	-2.4206	-.00497	.00694	6.1506	.60779
#2	1.4426	1.7431	-2.4099	-.00566	.00894	6.0774	.60327
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	.01169	12.458	.00332	.00223	.07636	.15679	37.398
SDev	.00000	.029	.00016	.00022	.00048	.00061	.080
%RSD	.00082	.23135	4.9509	9.6568	.63207	.38908	.21495
#1	.01169	12.437	.00320	.00208	.07602	.15636	37.342
#2	.01169	12.478	.00343	.00238	.07670	.15722	37.455
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	1.0516	L-2.7514	6.7515	2.0410	.00543	.00745	.01710
SDev	.0207	.0176	.0018	.0096	.00119	.00156	.00018
%RSD	1.9693	.64097	.02715	.46881	21.882	20.992	1.0620
#1	1.0369	L-2.7638	6.7502	2.0478	.00459	.00855	.01697
#2	1.0662	L-2.7389	6.7528	2.0343	.00628	.00634	.01723
Errors	LC Pass	LC Low	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
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.3911	.07313	1.6462	L-.80784	L-.04323
SDev	.0065	.00093	.0046	.00219	.00319
%RSD	.46892	1.2790	.27721	.27089	7.3885
#1	1.3865	.07379	1.6495	L-.80938	L-.04097
#2	1.3957	.07247	1.6430	L-.80629	L-.04549
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Analysis Report 07/14/04 12:47:59 PM

Method: TRACE Sample Name: CRI Operator: SW
Run Time: 07/14/04 12:45:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00691	.00578	.01695	.00694	.02095	.45095	.39303
SDev	.00043	.00102	.00483	.00520	.00022	.00153	.00014
%RSD	6.1647	17.603	28.480	74.869	1.0760	.33944	.03596
#1	.00661	.00506	.02037	.00327	.02079	.44987	.39293
#2	.00721	.00650	.01354	.01062	.02111	.45203	.39313
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	.01065	9.6649	.01021	.10299	.02020	.05369	.19237
SDev	.00002	.0157	.00004	.00074	.00005	.00009	.00413
%RSD	.16967	.16295	.38534	.71556	.23120	.16833	2.1495
#1	.01064	9.6538	.01018	.10351	.02023	.05376	.19530
#2	.01066	9.6761	.01024	.10247	.02016	.05363	.18945
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	9.4914	9.8924	.03175	9.3439	.08376	.13436	.10405
SDev	.0181	.0074	.00008	.0200	.00021	.00353	.00036
%RSD	.19052	.07432	.23999	.21441	.25703	2.6307	.34918
#1	9.4786	9.8872	.03181	9.3298	.08361	.13186	.10379
#2	9.5041	9.8976	.03170	9.3581	.08392	.13686	.10431
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.05502	.01094	.00616	.01028	.02328
SDev	.00019	.00224	.00082	.00186	.00249
%RSD	.34376	20.498	13.329	18.093	10.694
#1	.05489	.00935	.00558	.00896	.02504
#2	.05515	.01252	.00674	.01159	.02152
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: ICSA Operator: SW
Run Time: 07/14/04 12:48:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.03654	.01616	-.01424	-.00375	.00024	496.45	.00075
SDev	.00357	.00279	.00581	.00409	.00006	1.82	.00003
%RSD	9.7584	17.244	40.808	109.20	25.671	.36596	4.4098
#1	-.03907	.01813	-.01835	-.00085	.00020	495.17	.00077
#2	-.03402	.01419	-.01013	-.00664	.00028	497.74	.00073
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	.00124	509.18	.00044	.00361	.00023	-.00112	206.18
SDev	.00000	2.51	.00026	.00039	.00002	.00016	.71
%RSD	.00778	.49364	58.938	10.792	6.6809	14.079	.34667
#1	.00124	507.40	.00062	.00334	.00022	-.00124	205.68
#2	.00124	510.96	.00026	.00389	.00024	-.00101	206.69
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	.34755	515.19	.00764	.22668	.00346	.00729	.00503
SDev	.02009	1.88	.00009	.00094	.00042	.01283	.00018
%RSD	5.7799	.36394	1.1630	.41656	11.982	175.97	3.6107
#1	.33334	513.87	.00758	.22601	.00317	-.00178	.00516
#2	.36175	516.52	.00771	.22735	.00376	.01636	.00490
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01253	-.00170	-.00139	-.00724	.00445
SDev	.00058	.00642	.00067	.00079	.00156
%RSD	4.5934	376.96	48.272	10.969	35.144
#1	.01212	.00284	-.00092	-.00668	.00334
#2	.01294	-.00625	-.00187	-.00780	.00556
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	.04000	.02000	.00600	.01000	.02000

Method: TRACE Sample Name: ICSAB Operator: SW
Run Time: 07/14/04 12:50:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00687	.06425	.03807	.04816	.20686	501.83	.46215
SDev	.00407	.00007	.00297	.00932	.00004	1.72	.00301
%RSD	59.211	.11658	7.8013	19.351	.01999	.34260	.65111
#1	.00974	.06430	.03597	.05475	.20689	503.04	.46428
#2	.00399	.06419	.04017	.04157	.20683	500.61	.46003
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	.47483	515.77	.89199	.45588	.45502	.53375	208.48
SDev	.00037	1.21	.00015	.00109	.00058	.00303	.08
%RSD	.07754	.23425	.01681	.23835	.12681	.56720	.03950
#1	.47457	514.92	.89188	.45665	.45543	.53589	208.42
#2	.47509	516.63	.89209	.45511	.45462	.53161	208.54
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	.30423	520.27	.47322	.19012	.87067	.59833	.48541
SDev	.03512	.70	.00063	.00014	.00002	.00167	.00055
%RSD	11.542	.13512	.13219	.07144	.00192	.27930	.11241
#1	.27940	519.77	.47366	.19022	.87065	.59715	.48503
#2	.32906	520.77	.47278	.19003	.87068	.59951	.48580
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.91959	.09917	.04514	.04480	.10247
SDev	.00242	.00696	.00140	.00523	.00290
%RSD	.26290	7.0194	3.1110	11.667	2.8272
#1	.91788	.09425	.04613	.04850	.10042
#2	.92130	.10409	.04415	.04110	.10452
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000
Range	20.000	20.000	20.000	20.000	20.000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/14/04 12:53:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49886	.49812	.52070	.49696	.49272	50.267	.47082
SDev	.00221	.00047	.00168	.01223	.00097	.177	.00081
%RSD	.44286	.09470	.32237	2.4607	.19591	.35290	.17298
#1	.49729	.49846	.52189	.48832	.49204	50.142	.47024
#2	.50042	.49779	.51951	.50561	.49341	50.393	.47139
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	.50952	51.457	.48582	.48606	.48913	.50235	20.940
SDev	.00057	.060	.00147	.00061	.00097	.00201	.032
%RSD	.11201	.11656	.30257	.12514	.19769	.40027	.15106
#1	.50912	51.415	.48478	.48563	.48845	.50093	20.918
#2	.50993	51.500	.48686	.48649	.48982	.50378	20.962
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	20.857	51.130	.49103	21.051	.47469	.49656	.50329
SDev	.087	.092	.00060	.079	.00016	.00198	.00145
%RSD	.41748	.17961	.12223	.37665	.03441	.39942	.28915
#1	20.796	51.065	.49060	20.994	.47458	.49515	.50226
#2	20.919	51.195	.49145	21.107	.47481	.49796	.50432
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50445	.50840	.49837	.50487	.51517
SDev	.00186	.00299	.00042	.00760	.00001
%RSD	.36886	.58808	.08449	1.5049	.00237
#1	.50313	.50629	.49807	.49949	.51516
#2	.50577	.51051	.49866	.51024	.51517
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/14/04 12:55:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00184	-.00064	.00757	.00007	.00038	.01767	.00017
SDev	.00524	.00042	.00772	.00114	.00014	.00801	.00000
%RSD	285.77	65.761	102.06	1615.0	37.318	45.325	.00000
#1	-.00554	-.00034	.00211	.00087	.00028	.02333	.00017
#2	.00187	-.00094	.01302	-.00073	.00049	.01201	.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	.00022	.06575	-.00000	.00030	-.00016	.00009	.02333
SDev	.00002	.00304	.00004	.00013	.00020	.00011	.00613
%RSD	8.1004	4.6271	1253.6	42.723	123.95	124.39	26.266
#1	.00023	.06790	.00002	.00040	-.00031	.00017	.02767
#2	.00021	.06360	-.00003	.00021	-.00002	.00001	.01900
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	.39029	.05480	.00009	.09791	.00003	-.00097	-.00024
SDev	.00347	.00435	.00003	.00056	.00076	.00193	.00073
%RSD	.89037	7.9378	27.524	.56961	2416.7	199.24	308.67
#1	.39275	.05787	.00011	.09831	.00057	.00040	.00028
#2	.38783	.05172	.00007	.09752	-.00050	-.00234	-.00075
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
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00086	-.00126	-.00104	.00257	.00264
SDev	.00019	.00211	.00147	.00181	.00254
%RSD	21.613	167.86	141.38	70.627	96.356
#1	-.00099	-.00275	-.00207	.00128	.00084
#2	-.00073	.00023	-.00000	.00385	.00444
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

HEADER INFROMATION FOR ANALYTICAL SEQUENCE MS040622A REM

Reviewed SW 6/24/04

STANDARD SOLUTIONS

ST040608-12 = 40 PPM - Al; 10 PPM - Cd, Pb; 4 PPM - As, Se; 2 PPM – Ag, Sb, U, Mo; 0.4 PPM - Th; 0.1 PPM - Tl.
EXPIRES: 09/30/05.

CALIBRATION STANDARDS

HIGH STD (200 ppb - Al; 50 ppb - Cd, Pb; 20 ppb - As, Se; 10ppb - Ag, Sb, U, Mo; 2 ppb - Th; 0.5ppb - Tl.) Made daily by diluting (ST040608-12) 200 fold, (0.05ml up to a 10 ml final volume).
MID LEVEL STD (40 ppb - Al; 10 ppb - Cd, Pb; 4 ppb - As, Se; 2ppb - Ag, Sb, U, Mo; 0.4 ppb - Th; 0.1ppb - Tl.) Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST040608-12).
LOW LEVEL STD (20 ppb - Al; 5 ppb - Cd, Pb; 2 ppb - As, Se; 1ppb - Ag, Sb, U, Mo; 0.2 ppb - Th; 0.05ppb - Tl.) Made daily by diluting 1.0ml of the HIGH STD calibration standard up to a 10ml final volume, (2000 fold dilution of ST040608-12).
RL STD - Made daily by diluting (RL Intermediate ST040608-11--EXPIRES 09/30/05) 200 fold, (0.05ml up to a 10ml final volume). When ST040608-11 is diluted 200 fold it yields a solution at the reporting limit. (2 ppb - Al; 0.2 ppb - As; 0.1 ppb - Se,Mo; 0.05 ppb - Pb; 0.03 ppb - Cd, Sb; 0.02 ppb - Tl, Th; 0.01 ppb – Ag,U.)

INTERFERENCE CHECK SOLUTIONS

ICSA Made daily by diluting 0.1ml of (ST031124-5--EXPIRES: 12/01/04) up to a 10ml final volume, (100 fold dilution). The ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2

ICSAB Made daily by diluting 0.1ml of (ST031124-5--EXPIRES: 12/01/04) and 2ml of the HIGH STD calibration standard up to a 10ml final volume. (This solution is a 100 fold dilution of ST031124-5 and a 1000 fold dilution of ST040608-12.) The ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2
Cd,Pb	0.01
As,Se	0.004
Ag,Sb,U	0.002
Tl	0.0001

ICSA_MO – Direct analysis of (ST040610-2 Expires 11-07-05). This solution is custom and made to be as close as possible to the ICSA above, without Mo. This ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2

ICSAB_MO Made daily by diluting 0.04ml of (ST040608-13--EXPIRES: 10/22/04) up to a 10ml final volume with ICSA (Mo) solution above (ST040610-2 Expires 11-07-05). (This solution is a 250 fold dilution of ST040608-13.) This ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2
Mo	0.002
Cd,Pb	0.01
As,Se	0.004
Ag,Sb,U	0.002
Tl	0.0001

CALIBRATION CHECK STANDARDS

ICV Made daily by diluting ICV second source intermediate (ST040608-13--EXPIRES: 10/22/04) 200 fold, (0.05ml up to a 10ml final volume). The ICV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	50
Cd,Pb	12.5
As,Se	5
Ag,Sb,U,Mo	2.5
Th	0.5
Tl	0.125

CCV Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST040608-12). The CCV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	40
Cd,Pb	10
As,Se	4
Ag,Sb,U,Mo	2
Th	0.4
Tl	0.1

CRI Re-analysis of the RL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	2.0
As	0.2
Se,Mo	0.1
Pb	0.05
Cd,Sb	0.03
Tl,Th	0.02
Ag,U	0.01

BLANK

ICB / CCB and all diluent – 1% HNO_3, 1% HCl in double deionized water.

INTERNAL STANDARDS

Internal Standard Intermediate (ST040610-3--EXPIRES: 03/01/05) contains 1 PPM each of Bi, Rh, In; and 2 PPM each of Be, Ga, Pt. This intermediate is added to all standards and samples in the same proportion of 1 on top of 100. Most often this is done by adding 0.05ml of Internal Standard Intermediate on top of 5ml of sample or standard. The final concentration of internal standard in the working solutions or samples is about 10 ppb In, Rh, Bi; and 20 ppb Be, Ga, Pt.

ACID LOT NUMBERS

HNO_3 – Y42044
HCl – Y25027

PIPET ID NUMBERS

1.0 to 5.0ml -- M-58
0.1 to 1.0ml – MS-50
0.01 to 0.1ml -- M-56

DILUTIONS

2X dilutions made by diluting 5ml of sample to a 10ml final volume.
5X dilutions made by diluting 1ml of sample to a 5ml final volume.
10X dilutions made by diluting 1ml of sample to a 10ml final volume.
50X dilutions made by diluting 0.1ml of sample to a 5ml final volume.
100X dilutions made by diluting 0.1ml of sample to a 10ml final volume.
200X dilutions made by diluting 0.05ml of sample to a 10ml final volume.

ANALYTICAL SPIKES
0406050-4 AND -20 spiked for U at 2ppb by diluting 0.02ml of (ST040608-13 = 0.5ppm U) up to a 5ml final volume with the 1000 fold dilution of sample #1 and up to 5ml final volume with the ten fold dilution of sample #20.

DAILY MAINTENANCE ITEMS

1. Check / change pump tubing
2. Check / empty drain containers
3. Tune instrument per manufacturer's procedures
4. Perform ten minute stability test (include results with data package)

MONTHLY MAINTENANCE ITEMS

1. Check / clean torch and cones for deposits
2. Check / clean nebulizer and spray chamber

3. Check / fill water recirculating reservoirs
4. Check / fill vacuum pump oil

COMMENTS

IDL / MDL working solution is made by diluting (MDL/IDL Intermediate ST040609-5) 1,000 fold. (0.1ml up to a 100ml final volume.)

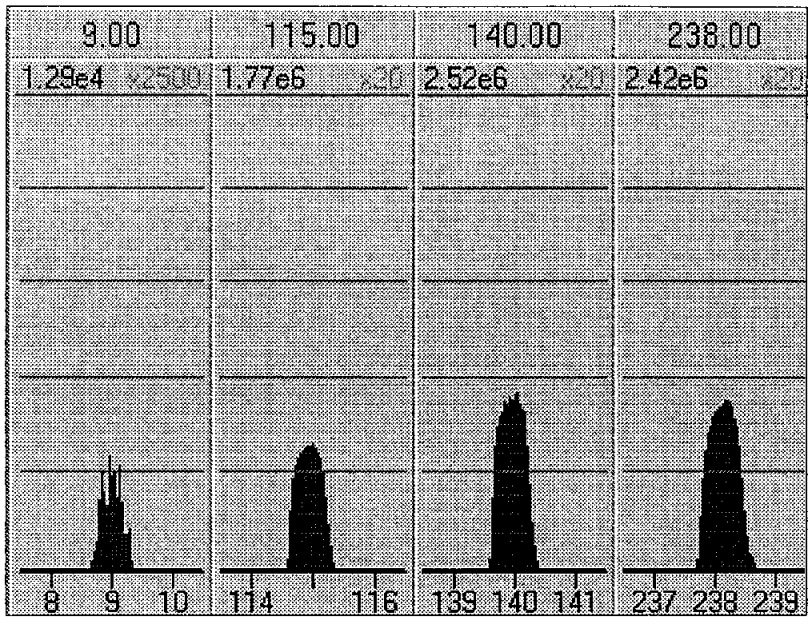
The IDL / MDL working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	1.0
Cd,Tl	0.005
As	0.06
Pb	0.04
Se,Sb,Mo	0.02
Th	0.01
U	0.002
Ag	0.004

Tuning Method Report

Method: C:\MASSLYNX\AUG2002.PRO\ACQUDB\14AUGJTF TUNE

Printed: Tue Jun 22 10:20:53 2004



ANALYSER	Set	Rdbk
Cone Lens	50	-66
Hex Exit Lens	400	419
Hex Bias	0.2	
LM Resolution	12.5	
High Resolution	12.5	
Ion Energy	2.0	
Multiplier	500	-517

Pressures	Rdbk
Analyser Vacuum	2.6e-5

TORCH	Set	
X-Axis	2.38	2.39
Y-Axis	-0.60	-0.62
Z-Axis	-0.40	-0.41
Forward Power	1350	1349

GAS	Set	
Cool Gas	13.50	13.49
Intermediate Gas	0.81	0.81
Nebuliser Gas 1	0.81	0.81
Nebuliser Gas 2	0.00	0.01
Helium	5.5	5.5
Hydrogen	3.0	3.0
Hexapole Aux	0.00	0.35
Laser Gas	0.00	0.30

Quantify Compound Summary Report
22JUN04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 1: 9Be

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			10846		0.167	22-Jun-(
2	22JUN04 02			10791		0.168	22-Jun-(
3	22JUN04 03			10579		0.160	22-Jun-(
4	22JUN04 04			10711		0.181	22-Jun-(
5	22JUN04 05			10584		0.149	22-Jun-(
6	22JUN04 06			10486		0.161	22-Jun-(
7	22JUN04 07			10287		0.171	22-Jun-(
8	22JUN04 08			9965		0.187	22-Jun-(
9	22JUN04 09			9669		0.183	22-Jun-(
10	22JUN04 10			9384		0.181	22-Jun-(
11	22JUN04 11			9048		0.205	22-Jun-(
12	22JUN04 12			9037		0.156	22-Jun-(
13	22JUN04 13			9059		0.228	22-Jun-(
14	22JUN04 14			9325		0.199	22-Jun-(
15	22JUN04 15			9289		0.180	22-Jun-(
16	22JUN04 16			9205		0.192	22-Jun-(
17	22JUN04 17			9494		0.190	22-Jun-(
18	22JUN04 18			9380		0.189	22-Jun-(
19	22JUN04 19			9372		0.156	22-Jun-(
20	22JUN04 20			9556		0.163	22-Jun-(
21	22JUN04 21			9549		0.138	22-Jun-(
22	22JUN04 22			9570		0.190	22-Jun-(
23	22JUN04 23			9441		0.176	22-Jun-(
24	22JUN04 24			9574		0.163	22-Jun-(
25	22JUN04 25			9517		0.199	22-Jun-(
26	22JUN04 26			9542		0.173	22-Jun-(
27	22JUN04 27			9272		0.204	22-Jun-(
28	22JUN04 28			8978		0.191	22-Jun-(
29	22JUN04 29			9110		0.164	22-Jun-(
30	22JUN04 30			9030		0.201	22-Jun-(

Quantify Compound Summary Report
22JUN04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 2: 24Mg

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			101379		0.042	22-Jun-(
2	22JUN04 02			101287		0.038	22-Jun-(
3	22JUN04 03			99252		0.039	22-Jun-(
4	22JUN04 04			99750		0.038	22-Jun-(
5	22JUN04 05			100232		0.039	22-Jun-(
6	22JUN04 06			97295		0.042	22-Jun-(
7	22JUN04 07			97338		0.041	22-Jun-(
8	22JUN04 08			94610		0.039	22-Jun-(
9	22JUN04 09			91365		0.040	22-Jun-(
10	22JUN04 10			88529		0.054	22-Jun-(
11	22JUN04 11			86440		0.048	22-Jun-(
12	22JUN04 12			85914		0.041	22-Jun-(
13	22JUN04 13			87321		0.040	22-Jun-(
14	22JUN04 14			90022		0.044	22-Jun-(
15	22JUN04 15			88670		0.040	22-Jun-(
16	22JUN04 16			89032		0.038	22-Jun-(
17	22JUN04 17			91684		0.042	22-Jun-(
18	22JUN04 18			91066		0.041	22-Jun-(
19	22JUN04 19			92159		0.054	22-Jun-(
20	22JUN04 20			91572		0.038	22-Jun-(
21	22JUN04 21			91183		0.042	22-Jun-(
22	22JUN04 22			92844		0.046	22-Jun-(
23	22JUN04 23			90744		0.044	22-Jun-(
24	22JUN04 24			90808		0.049	22-Jun-(
25	22JUN04 25			90894		0.047	22-Jun-(
26	22JUN04 26			90217		0.041	22-Jun-(
27	22JUN04 27			89123		0.041	22-Jun-(
28	22JUN04 28			87137		0.038	22-Jun-(
29	22JUN04 29			88527		0.046	22-Jun-(
30	22JUN04 30			88283		0.042	22-Jun-(

Quantify Compound Summary Report
22JUN04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 3: 59Co

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			572055		0.014	22-Jun-(
2	22JUN04 02			570654		0.014	22-Jun-(
3	22JUN04 03			564555		0.012	22-Jun-(
4	22JUN04 04			567356		0.013	22-Jun-(
5	22JUN04 05			565790		0.013	22-Jun-(
6	22JUN04 06			554647		0.016	22-Jun-(
7	22JUN04 07			552644		0.013	22-Jun-(
8	22JUN04 08			538669		0.011	22-Jun-(
9	22JUN04 09			519541		0.012	22-Jun-(
10	22JUN04 10			508397		0.019	22-Jun-(
11	22JUN04 11			495307		0.012	22-Jun-(
12	22JUN04 12			492604		0.014	22-Jun-(
13	22JUN04 13			501229		0.014	22-Jun-(
14	22JUN04 14			513815		0.016	22-Jun-(
15	22JUN04 15			503699		0.017	22-Jun-(
16	22JUN04 16			505630		0.013	22-Jun-(
17	22JUN04 17			521321		0.014	22-Jun-(
18	22JUN04 18			516856		0.014	22-Jun-(
19	22JUN04 19			518110		0.013	22-Jun-(
20	22JUN04 20			517624		0.013	22-Jun-(
21	22JUN04 21			511119		0.012	22-Jun-(
22	22JUN04 22			523987		0.013	22-Jun-(
23	22JUN04 23			515287		0.017	22-Jun-(
24	22JUN04 24			516186		0.013	22-Jun-(
25	22JUN04 25			516194		0.011	22-Jun-(
26	22JUN04 26			513080		0.013	22-Jun-(
27	22JUN04 27			504467		0.014	22-Jun-(
28	22JUN04 28			495337		0.013	22-Jun-(
29	22JUN04 29			500235		0.014	22-Jun-(
30	22JUN04 30			498609		0.013	22-Jun-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 4: 60Ni

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			106076		0.034	22-Jun-(
2	22JUN04 02			105625		0.032	22-Jun-(
3	22JUN04 03			104805		0.035	22-Jun-(
4	22JUN04 04			105261		0.033	22-Jun-(
5	22JUN04 05			104771		0.034	22-Jun-(
6	22JUN04 06			102456		0.036	22-Jun-(
7	22JUN04 07			102822		0.031	22-Jun-(
8	22JUN04 08			99450		0.038	22-Jun-(
9	22JUN04 09			96434		0.030	22-Jun-(
10	22JUN04 10			94384		0.047	22-Jun-(
11	22JUN04 11			91766		0.037	22-Jun-(
12	22JUN04 12			90776		0.043	22-Jun-(
13	22JUN04 13			92839		0.038	22-Jun-(
14	22JUN04 14			95954		0.038	22-Jun-(
15	22JUN04 15			93616		0.038	22-Jun-(
16	22JUN04 16			93899		0.036	22-Jun-(
17	22JUN04 17			97152		0.041	22-Jun-(
18	22JUN04 18			95812		0.032	22-Jun-(
19	22JUN04 19			95885		0.040	22-Jun-(
20	22JUN04 20			95559		0.035	22-Jun-(
21	22JUN04 21			94796		0.038	22-Jun-(
22	22JUN04 22			97097		0.036	22-Jun-(
23	22JUN04 23			95329		0.046	22-Jun-(
24	22JUN04 24			96151		0.036	22-Jun-(
25	22JUN04 25			95486		0.028	22-Jun-(
26	22JUN04 26			95256		0.033	22-Jun-(
27	22JUN04 27			93701		0.032	22-Jun-(
28	22JUN04 28			91911		0.037	22-Jun-(
29	22JUN04 29			92410		0.038	22-Jun-(
30	22JUN04 30			92644		0.031	22-Jun-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 5: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			1819046		0.006	22-Jun-(
2	22JUN04 02			1816230		0.006	22-Jun-(
3	22JUN04 03			1800779		0.006	22-Jun-(
4	22JUN04 04			1803686		0.006	22-Jun-(
5	22JUN04 05			1786519		0.006	22-Jun-(
6	22JUN04 06			1752606		0.006	22-Jun-(
7	22JUN04 07			1751447		0.007	22-Jun-(
8	22JUN04 08			1704794		0.006	22-Jun-(
9	22JUN04 09			1642888		0.006	22-Jun-(
10	22JUN04 10			1605421		0.009	22-Jun-(
11	22JUN04 11			1568256		0.006	22-Jun-(
12	22JUN04 12			1553845		0.006	22-Jun-(
13	22JUN04 13			1582411		0.007	22-Jun-(
14	22JUN04 14			1617001		0.006	22-Jun-(
15	22JUN04 15			1581689		0.007	22-Jun-(
16	22JUN04 16			1586357		0.006	22-Jun-(
17	22JUN04 17			1625374		0.007	22-Jun-(
18	22JUN04 18			1615496		0.006	22-Jun-(
19	22JUN04 19			1619004		0.007	22-Jun-(
20	22JUN04 20			1615782		0.007	22-Jun-(
21	22JUN04 21			1604247		0.006	22-Jun-(
22	22JUN04 22			1627257		0.006	22-Jun-(
23	22JUN04 23			1605933		0.010	22-Jun-(
24	22JUN04 24			1599593		0.005	22-Jun-(
25	22JUN04 25			1597003		0.006	22-Jun-(
26	22JUN04 26			1588932		0.006	22-Jun-(
27	22JUN04 27			1556345		0.008	22-Jun-(
28	22JUN04 28			1539253		0.007	22-Jun-(
29	22JUN04 29			1549327		0.008	22-Jun-(
30	22JUN04 30			1546118		0.007	22-Jun-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 6: 140Ce

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			2461877		0.004	22-Jun-(
2	22JUN04 02			2460973		0.006	22-Jun-(
3	22JUN04 03			2433928		0.005	22-Jun-(
4	22JUN04 04			2433325		0.005	22-Jun-(
5	22JUN04 05			2411761		0.005	22-Jun-(
6	22JUN04 06			2361645		0.005	22-Jun-(
7	22JUN04 07			2359236		0.006	22-Jun-(
8	22JUN04 08			2292917		0.005	22-Jun-(
9	22JUN04 09			2213105		0.004	22-Jun-(
10	22JUN04 10			2160459		0.008	22-Jun-(
11	22JUN04 11			2115720		0.005	22-Jun-(
12	22JUN04 12			2098522		0.006	22-Jun-(
13	22JUN04 13			2138594		0.006	22-Jun-(
14	22JUN04 14			2174916		0.005	22-Jun-(
15	22JUN04 15			2136742		0.005	22-Jun-(
16	22JUN04 16			2144979		0.006	22-Jun-(
17	22JUN04 17			2200215		0.005	22-Jun-(
18	22JUN04 18			2185337		0.005	22-Jun-(
19	22JUN04 19			2179373		0.006	22-Jun-(
20	22JUN04 20			2184975		0.004	22-Jun-(
21	22JUN04 21			2150340		0.005	22-Jun-(
22	22JUN04 22			2185156		0.005	22-Jun-(
23	22JUN04 23			2149918		0.008	22-Jun-(
24	22JUN04 24			2150340		0.006	22-Jun-(
25	22JUN04 25			2141485		0.005	22-Jun-(
26	22JUN04 26			2129318		0.006	22-Jun-(
27	22JUN04 27			2093598		0.006	22-Jun-(
28	22JUN04 28			2067863		0.006	22-Jun-(
29	22JUN04 29			2083885		0.006	22-Jun-(
30	22JUN04 30			2084279		0.005	22-Jun-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 7: 140CeO

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			123361		0.067	22-Jun-(
2	22JUN04 02			125196		0.053	22-Jun-(
3	22JUN04 03			124776		0.063	22-Jun-(
4	22JUN04 04			127224		0.053	22-Jun-(
5	22JUN04 05			127486		0.068	22-Jun-(
6	22JUN04 06			125903		0.062	22-Jun-(
7	22JUN04 07			131737		0.057	22-Jun-(
8	22JUN04 08			117908		0.056	22-Jun-(
9	22JUN04 09			112837		0.060	22-Jun-(
10	22JUN04 10			110637		0.062	22-Jun-(
11	22JUN04 11			102043		0.059	22-Jun-(
12	22JUN04 12			99435		0.060	22-Jun-(
13	22JUN04 13			99953		0.056	22-Jun-(
14	22JUN04 14			101020		0.051	22-Jun-(
15	22JUN04 15			95900		0.058	22-Jun-(
16	22JUN04 16			95101		0.057	22-Jun-(
17	22JUN04 17			102760		0.062	22-Jun-(
18	22JUN04 18			104140		0.057	22-Jun-(
19	22JUN04 19			105889		0.059	22-Jun-(
20	22JUN04 20			108156		0.052	22-Jun-(
21	22JUN04 21			109157		0.064	22-Jun-(
22	22JUN04 22			116077		0.061	22-Jun-(
23	22JUN04 23			114628		0.057	22-Jun-(
24	22JUN04 24			115622		0.065	22-Jun-(
25	22JUN04 25			116602		0.046	22-Jun-(
26	22JUN04 26			114847		0.060	22-Jun-(
27	22JUN04 27			113057		0.062	22-Jun-(
28	22JUN04 28			101594		0.080	22-Jun-(
29	22JUN04 29			100067		0.059	22-Jun-(
30	22JUN04 30			98667		0.059	22-Jun-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 11: Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			1734950		0.000	22-Jun-(
2	22JUN04 02			1730841		0.000	22-Jun-(
3	22JUN04 03			1724701		0.000	22-Jun-(
4	22JUN04 04			1726442		0.000	22-Jun-(
5	22JUN04 05			1713404		0.000	22-Jun-(
6	22JUN04 06			1672889		0.000	22-Jun-(
7	22JUN04 07			1676936		0.000	22-Jun-(
8	22JUN04 08			1614015		0.000	22-Jun-(
9	22JUN04 09			1557378		0.000	22-Jun-(
10	22JUN04 10			1508987		0.000	22-Jun-(
11	22JUN04 11			1491469		0.000	22-Jun-(
12	22JUN04 12			1487272		0.000	22-Jun-(
13	22JUN04 13			1507807		0.000	22-Jun-(
14	22JUN04 14			1546080		0.000	22-Jun-(
15	22JUN04 15			1513764		0.000	22-Jun-(
16	22JUN04 16			1521717		0.000	22-Jun-(
17	22JUN04 17			1561459		0.000	22-Jun-(
18	22JUN04 18			1550879		0.000	22-Jun-(
19	22JUN04 19			1553071		0.000	22-Jun-(
20	22JUN04 20			1556573		0.000	22-Jun-(
21	22JUN04 21			1542113		0.000	22-Jun-(
22	22JUN04 22			1554687		0.000	22-Jun-(
23	22JUN04 23			1513888		0.000	22-Jun-(
24	22JUN04 24			1530514		0.000	22-Jun-(
25	22JUN04 25			1528261		0.000	22-Jun-(
26	22JUN04 26			1506660		0.000	22-Jun-(
27	22JUN04 27			1482408		0.000	22-Jun-(
28	22JUN04 28			1462779		0.000	22-Jun-(
29	22JUN04 29			1479683		0.000	22-Jun-(
30	22JUN04 30			1478599		0.000	22-Jun-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 12: 209Bi

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			1509948		0.007	22-Jun-(
2	22JUN04 02			1499723		0.007	22-Jun-(
3	22JUN04 03			1495507		0.008	22-Jun-(
4	22JUN04 04			1494272		0.007	22-Jun-(
5	22JUN04 05			1485975		0.007	22-Jun-(
6	22JUN04 06			1446716		0.007	22-Jun-(
7	22JUN04 07			1454201		0.008	22-Jun-(
8	22JUN04 08			1401645		0.007	22-Jun-(
9	22JUN04 09			1351725		0.007	22-Jun-(
10	22JUN04 10			1312708		0.012	22-Jun-(
11	22JUN04 11			1296535		0.007	22-Jun-(
12	22JUN04 12			1292378		0.006	22-Jun-(
13	22JUN04 13			1314635		0.009	22-Jun-(
14	22JUN04 14			1340356		0.007	22-Jun-(
15	22JUN04 15			1314199		0.008	22-Jun-(
16	22JUN04 16			1320282		0.006	22-Jun-(
17	22JUN04 17			1352343		0.007	22-Jun-(
18	22JUN04 18			1343593		0.006	22-Jun-(
19	22JUN04 19			1345882		0.008	22-Jun-(
20	22JUN04 20			1346937		0.007	22-Jun-(
21	22JUN04 21			1338504		0.007	22-Jun-(
22	22JUN04 22			1349948		0.007	22-Jun-(
23	22JUN04 23			1318792		0.015	22-Jun-(
24	22JUN04 24			1325463		0.008	22-Jun-(
25	22JUN04 25			1323309		0.007	22-Jun-(
26	22JUN04 26			1306323		0.006	22-Jun-(
27	22JUN04 27			1291972		0.008	22-Jun-(
28	22JUN04 28			1273615		0.008	22-Jun-(
29	22JUN04 29			1284653		0.007	22-Jun-(
30	22JUN04 30			1280866		0.007	22-Jun-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 13: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			2366886		0.005	22-Jun-(
2	22JUN04 02			2353273		0.007	22-Jun-(
3	22JUN04 03			2348333		0.005	22-Jun-(
4	22JUN04 04			2342792		0.005	22-Jun-(
5	22JUN04 05			2329962		0.006	22-Jun-(
6	22JUN04 06			2281954		0.006	22-Jun-(
7	22JUN04 07			2277798		0.006	22-Jun-(
8	22JUN04 08			2202142		0.005	22-Jun-(
9	22JUN04 09			2120945		0.006	22-Jun-(
10	22JUN04 10			2078750		0.008	22-Jun-(
11	22JUN04 11			2026526		0.006	22-Jun-(
12	22JUN04 12			2014600		0.007	22-Jun-(
13	22JUN04 13			2055981		0.006	22-Jun-(
14	22JUN04 14			2094502		0.006	22-Jun-(
15	22JUN04 15			2058933		0.006	22-Jun-(
16	22JUN04 16			2064896		0.007	22-Jun-(
17	22JUN04 17			2118189		0.006	22-Jun-(
18	22JUN04 18			2104802		0.006	22-Jun-(
19	22JUN04 19			2113175		0.006	22-Jun-(
20	22JUN04 20			2119514		0.006	22-Jun-(
21	22JUN04 21			2097754		0.006	22-Jun-(
22	22JUN04 22			2119243		0.007	22-Jun-(
23	22JUN04 23			2085331		0.009	22-Jun-(
24	22JUN04 24			2091806		0.006	22-Jun-(
25	22JUN04 25			2078118		0.006	22-Jun-(
26	22JUN04 26			2062743		0.006	22-Jun-(
27	22JUN04 27			2009645		0.008	22-Jun-(
28	22JUN04 28			2003757		0.007	22-Jun-(
29	22JUN04 29			2019358		0.007	22-Jun-(
30	22JUN04 30			1999055		0.006	22-Jun-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 14: 220BKGD

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			1		138.097	22-Jun-(
2	22JUN04 02			1		108.698	22-Jun-(
3	22JUN04 03			1		165.259	22-Jun-(
4	22JUN04 04			2		79.062	22-Jun-(
5	22JUN04 05			1		107.968	22-Jun-(
6	22JUN04 06			1		108.755	22-Jun-(
7	22JUN04 07			2		77.065	22-Jun-(
8	22JUN04 08			1		145.946	22-Jun-(
9	22JUN04 09			1		108.819	22-Jun-(
10	22JUN04 10			1		126.611	22-Jun-(
11	22JUN04 11			1		108.506	22-Jun-(
12	22JUN04 12			1		138.120	22-Jun-(
13	22JUN04 13			1		126.939	22-Jun-(
14	22JUN04 14						
15	22JUN04 15			1		145.001	22-Jun-(
16	22JUN04 16			2		85.793	22-Jun-(
17	22JUN04 17			1		108.533	22-Jun-(
18	22JUN04 18			1		145.661	22-Jun-(
19	22JUN04 19			1		165.156	22-Jun-(
20	22JUN04 20			1		160.008	22-Jun-(
21	22JUN04 21			1		108.584	22-Jun-(
22	22JUN04 22			1		137.969	22-Jun-(
23	22JUN04 23			1		126.694	22-Jun-(
24	22JUN04 24			1		127.009	22-Jun-(
25	22JUN04 25			1		127.019	22-Jun-(
26	22JUN04 26			1		126.733	22-Jun-(
27	22JUN04 27			1		108.618	22-Jun-(
28	22JUN04 28			1		126.950	22-Jun-(
29	22JUN04 29			1		168.811	22-Jun-(
30	22JUN04 30			1		132.422	22-Jun-(

Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

Printed: Wed Jun 23 10:12:16 2004

1 REM 4-22-04
Compound 10: ~~0~~Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	22JUN04A 01	RINSE	0.0071756	12	1539179	0.000	22-Jun-04	11:12:36	1
2	22JUN04A 02	RINSE	0.0073548	14	1512405	0.000	22-Jun-04	11:15:22	1
3	22JUN04A 03	RINSE	0.0070241	10	1486123	0.000	22-Jun-04	11:19:07	1
4	22JUN04A 04	RINSE	0.0068809	9	1466304	0.000	22-Jun-04	11:22:50	1
5	22JUN04A 05	0 STD	0.0068733	9	1484459	0.000	22-Jun-04	11:26:35	1
6	22JUN04A 06	RL STD	0.023687	199	1505088	0.000	22-Jun-04	11:30:20	1
7	22JUN04A 07	LOW STD	4.7848	54324	1510699	0.000	22-Jun-04	11:34:05	1
8	22JUN04A 08	MID STD	10.249	117636	1522987	0.000	22-Jun-04	11:37:50	1
9	22JUN04A 09	HIGH STD	49.973	583230	1524224	0.000	22-Jun-04	11:41:36	1
10	22JUN04A 10	HIGH STD READBACK	49.971	591821	1546709	0.000	22-Jun-04	11:45:22	1
11	22JUN04A 11	ICV	12.587	140054	1474859	0.000	22-Jun-04	11:49:08	1
12	22JUN04A 12	ICB	0.014790	94	1433045	0.000	22-Jun-04	11:57:53	1
13	22JUN04A 13	CRI	0.030566	270	1470827	0.000	22-Jun-04	12:03:39	1
14	22JUN04A 14	ICSA	0.033735	332	1601173	0.000	22-Jun-04	12:07:24	1
15	22JUN04A 15	ICSAB	10.025	119640	1583701	0.000	22-Jun-04	12:11:10	1
16	22JUN04A 16	CCV	9.9530	110932	1479083	0.000	22-Jun-04	12:14:57	1
17	22JUN04A 17	CCB	0.013103	76	1446805	0.000	22-Jun-04	12:29:45	1
18	22JUN04A 18	IP040621-3MB 10X	0.010939	52	1436267	0.000	22-Jun-04	12:33:33	1
19	22JUN04A 19	IP040621-3LCS 10X	10.118	110188	1445077	0.000	22-Jun-04	12:37:19	1
20	22JUN04A 20	0405095-1 10X	0.023573	192	1464597	0.000	22-Jun-04	12:41:04	1
21	22JUN04A 21	0405095-2 10X	0.030094	272	1510613	0.000	22-Jun-04	12:44:50	1
22	22JUN04A 22	0405095-2D 10X	0.025761	221	1499029	0.000	22-Jun-04	12:48:36	1
23	22JUN04A 23	0405095-2L 50X	0.013061	76	1460459	0.000	22-Jun-04	12:52:22	1
24	22JUN04A 24	0405095-2MS 10X	9.8285	110487	1491904	0.000	22-Jun-04	12:56:08	1
25	22JUN04A 25	0405095-2MSD 10X	9.9735	111598	1484907	0.000	22-Jun-04	12:59:54	1
26	22JUN04A 26	0405095-3 10X	0.019354	153	1538155	0.000	22-Jun-04	13:03:42	1
27	22JUN04A 27	0405095-5 10X	0.013104	83	1583680	0.000	22-Jun-04	13:07:29	1

Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

Printed: Wed Jun 23 10:12:16 2004

1 KEM 4-23-04
Compound 10: ~~d~~Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	22JUN04A 28	CCV	10.101	110862	1456448	0.000	22-Jun-04	13:11:17	1
29	22JUN04A 29	CCB	0.011242	55	1412096	0.000	22-Jun-04	13:15:04	1
30	22JUN04A 30	0405095-7 10X	0.019654	150	1477312	0.000	22-Jun-04	13:18:52	1
31	22JUN04A 31	0405095-8 10X	0.016479	113	1455317	0.000	22-Jun-04	13:22:39	1
32	22JUN04A 32	0405095-9 10X	0.017710	131	1505109	0.000	22-Jun-04	13:26:28	1
33	22JUN04A 33	0405095-10 10X	0.011682	66	1566955	0.000	22-Jun-04	13:30:15	1
34	22JUN04A 34	0405095-11 10X	0.0083215	24	1456512	0.000	22-Jun-04	13:34:00	1
35	22JUN04A 35	0405095-12 10X	0.0098322	40	1436203	0.000	22-Jun-04	13:37:45	1
36	22JUN04A 36	CCV	10.177	106293	1385835	0.000	22-Jun-04	13:41:31	1
37	22JUN04A 37	CCB	0.014388	88	1413760	0.000	22-Jun-04	13:45:18	1
38	22JUN04A 38	IP040611-4MB 10X	0.010088	42	1403371	0.000	22-Jun-04	13:52:52	1
39	22JUN04A 39	IP040611-4LCS 10X	15.399	182608	1570027	0.000	22-Jun-04	13:56:36	1
40	22JUN04A 40	0406055-9 10X	0.36548	4209	1559040	0.000	22-Jun-04	14:00:21	1
41	22JUN04A 41	0406055-9D 10X	0.39640	4663	1590592	0.000	22-Jun-04	14:04:06	1
42	22JUN04A 42	0406055-9L 50X	0.061972	680	1621483	0.000	22-Jun-04	14:07:51	1
43	22JUN04A 43	0406055-9MS 10X	15.554	193680	1648448	0.000	22-Jun-04	14:19:19	1
44	22JUN04A 44	0406055-9MSD 10X	15.959	206427	1712085	0.000	22-Jun-04	14:25:04	1
45	22JUN04A 45	0405097-19 10000X	0.10175	1149	1599573	0.000	22-Jun-04	14:28:50	1
46	22JUN04A 46	0405097-21 10000X	0.10731	1220	1605376	0.000	22-Jun-04	14:32:36	1
47	22JUN04A 47	0405097-23 10000X	0.065876	711	1584064	0.000	22-Jun-04	14:36:23	1
48	22JUN04A 48	CCV	10.288	122351	1577920	0.000	22-Jun-04	14:40:10	1
49	22JUN04A 49	CCB	0.019596	156	1535552	0.000	22-Jun-04	14:43:58	1
50	22JUN04A 50	0405097-28 10000X	0.063978	644	1482411	0.000	22-Jun-04	14:47:45	1
51	22JUN04A 51	0405097-19 20000X	0.029515	265	1509675	0.000	22-Jun-04	14:57:16	1
52	22JUN04A 52	0405097-21 20000X	0.039308	378	1515413	0.000	22-Jun-04	15:01:02	1
53	22JUN04A 53	0405097-23 20000X	0.028807	255	1494656	0.000	22-Jun-04	15:04:47	1
54	22JUN04A 54	0406050-20 10X	0.018929	153	1588672	0.000	22-Jun-04	15:08:33	1

daily

Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

Printed: Wed Jun 23 10:12:16 2004

1 REm 4-23-04
Compound 10: ~~0~~Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	22JUN04A 55	0406050-20L 50X U only	0.012030	69	1545109	0.000	22-Jun-04	15:12:20	1
56	22JUN04A 56	0406050-20MS 10X	10.675	127080	1579285	0.000	22-Jun-04	15:16:06	1
57	22JUN04A 57	0406050-20MSD 10X	10.760	128388	1582869	0.000	22-Jun-04	15:19:53	1
58	22JUN04A 58	0406050-1 1000X	0.017984	140	1571200	0.000	22-Jun-04	15:23:40	1
59	22JUN04A 59	0406050-2 1000X	0.013384	86	1570389	0.000	22-Jun-04	15:27:28	1
60	22JUN04A 60	CCV	10.217	107136	1391403	0.000	22-Jun-04	15:31:16	1
61	22JUN04A 61	CCB	0.012634	67	1357547	0.000	22-Jun-04	15:35:03	1
62	22JUN04A 62	0406050-3 1000X	0.011070	57	1515947	0.000	22-Jun-04	15:38:50	1
63	22JUN04A 63	0406050-4 1000X	0.012070	69	1538219	0.000	22-Jun-04	15:42:36	1
64	22JUN04A 64	0406050-4L 5000X	0.0089436	31	1456320	0.000	22-Jun-04	15:46:26	1
65	22JUN04A 65	0406050-4MS 1000X	10.306	115650	1488939	0.000	22-Jun-04	15:50:14	1
66	22JUN04A 66	0406050-4MSD 1000X	10.251	114262	1478933	0.000	22-Jun-04	15:53:59	1
67	22JUN04A 67	CCV	10.176	106157	1384277	0.000	22-Jun-04	15:57:45	1
68	22JUN04A 68	CCB	0.014606	85	1325888	0.000	22-Jun-04	16:01:32	1
69	22JUN04A 69	RINSE							

Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	22JUN04A 01	RINSE	0.0025737	238	1287680	5.815	22-Jun-04	11:12:36	11
2	22JUN04A 02	RINSE	0.0021256	144	1265493	5.895	22-Jun-04	11:15:22	11
3	22JUN04A 03	RINSE	0.0020082	118	1239872	7.103	22-Jun-04	11:19:07	11
4	22JUN04A 04	RINSE	0.0017237	61	1218368	8.214	22-Jun-04	11:22:50	11
5	22JUN04A 05	0 STD	0.0016757	53	1248192	8.460	22-Jun-04	11:26:35	11
6	22JUN04A 06	RL STD	0.0083251	1395	1272043	0.939	22-Jun-04	11:30:20	11
7	22JUN04A 07	LOW STD	0.99758	199979	1266773	0.020	22-Jun-04	11:34:05	11
8	22JUN04A 08	MID STD	2.0048	404448	1274475	0.017	22-Jun-04	11:37:50	11
9	22JUN04A 09	HIGH STD	9.9993	2008021	1272363	0.006	22-Jun-04	11:41:36	11
10	22JUN04A 10	HIGH STD READBACK	9.9653	2052288	1304832	0.006	22-Jun-04	11:45:22	11
11	22JUN04A 11	ICV	2.5097	492448	1239701	0.014	22-Jun-04	11:49:08	11
12	22JUN04A 12	ICB	0.0026234	231	1198677	3.948	22-Jun-04	11:57:53	11
13	22JUN04A 13	CRI	0.011395	1951	1232256	1.666	22-Jun-04	12:03:39	11
14	22JUN04A 14	ICSA	0.0026783	259	1285867	5.700	22-Jun-04	12:07:24	11
15	22JUN04A 15	ICSAB	2.2750	455840	1265877	0.016	22-Jun-04	12:11:10	11
16	22JUN04A 16	CCV	2.0059	394021	1240960	0.015	22-Jun-04	12:14:57	11
17	22JUN04A 17	CCB	0.0031036	327	1216320	4.180	22-Jun-04	12:29:45	11
18	22JUN04A 18	IP040621-3MB 10X	0.0021288	137	1198592	9.243	22-Jun-04	12:33:33	11
19	22JUN04A 19	IP040621-3LCS 10X	1.9939	379589	1202667	0.018	22-Jun-04	12:37:19	11
20	22JUN04A 20	0405095-1 10X	0.0094433	1551	1217493	0.733	22-Jun-04	12:41:04	11
21	22JUN04A 21	0405095-2 10X	0.010556	1825	1258368	0.613	22-Jun-04	12:44:50	11
22	22JUN04A 22	0405095-2D 10X	0.010640	1815	1240085	0.781	22-Jun-04	12:48:36	11
23	22JUN04A 23	0405095-2L 50X	0.0033707	373	1198656	2.033	22-Jun-04	12:52:22	11
24	22JUN04A 24	0405095-2MS 10X	1.9940	389653	1234517	0.012	22-Jun-04	12:56:08	11
25	22JUN04A 25	0405095-2MSD 10X	2.0195	390091	1220288	0.016	22-Jun-04	12:59:54	11
26	22JUN04A 26	0405095-3 10X	0.018017	3386	1285888	0.507	22-Jun-04	13:03:42	11
27	22JUN04A 27	0405095-5 10X	0.077167	15757	1311936	0.123	22-Jun-04	13:07:29	11

Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	22JUN04A 28	CCV	2.0073	385365	1212821	0.017	22-Jun-04	13:11:17	11
29	22JUN04A 29	CCB	0.0030627	306	1166336	5.484	22-Jun-04	13:15:04	11
30	22JUN04A 30	0405095-7 10X	0.66175	126952	1212992	0.031	22-Jun-04	13:18:52	11
31	22JUN04A 31	0405095-8 10X	1.3524	256165	1196651	0.021	22-Jun-04	13:22:39	11
32	22JUN04A 32	0405095-9 10X	0.075552	14640	1245483	0.126	22-Jun-04	13:26:28	11
33	22JUN04A 33	0405095-10 10X	0.080207	16014	1281899	0.119	22-Jun-04	13:30:15	11
34	22JUN04A 34	0405095-11 10X	0.0024048	190	1202069	7.355	22-Jun-04	13:34:00	11
35	22JUN04A 35	0405095-12 10X	1.9986	374693	1184384	0.018	22-Jun-04	13:37:45	11
36	22JUN04A 36	CCV	2.0081	361765	1138133	0.017	22-Jun-04	13:41:31	11
37	22JUN04A 37	CCB	0.0038801	459	1171072	4.235	22-Jun-04	13:45:18	11
38	22JUN04A 38	IP040611-4MB 10X	0.0020282	115	1169301	9.061	22-Jun-04	13:52:52	11
39	22JUN04A 39	IP040611-4LCS 10X	2.0455	408091	1260373	0.016	22-Jun-04	13:56:36	11
40	22JUN04A 40	0406055-9 10X	0.86060	178315	1309547	0.029	22-Jun-04	14:00:21	11
41	22JUN04A 41	0406055-9D 10X	0.96389	203771	1335957	0.022	22-Jun-04	14:04:06	11
42	22JUN04A 42	0406055-9L 50X	0.14600	31135	1358293	0.092	22-Jun-04	14:07:51	11
43	22JUN04A 43	0406055-9MS 10X	2.8586	592533	1309717	0.011	22-Jun-04	14:19:19	11
44	22JUN04A 44	0406055-9MSD 10X	3.0128	647744	1358528	0.012	22-Jun-04	14:25:04	11
45	22JUN04A 45	0405097-19 10000X *	10.913	2212694	1285120	0.016	22-Jun-04	14:28:50	11
46	22JUN04A 46	0405097-21 10000X *	13.731	2819670	1303125	0.007	22-Jun-04	14:32:36	11
47	22JUN04A 47	0405097-23 10000X	1.7672	358213	1280576	0.015	22-Jun-04	14:36:23	11
48	22JUN04A 48	CCV	2.0054	405957	1278848	0.015	22-Jun-04	14:40:10	11
49	22JUN04A 49	CCB	0.0042931	566	1237355	2.984	22-Jun-04	14:43:58	11
50	22JUN04A 50	0405097-28 10000X	9.0066	1711232	1203307	0.007	22-Jun-04	14:47:45	11
51	22JUN04A 51	0405097-19 20000X	5.4648	1075605	1244757	0.011	22-Jun-04	14:57:16	11
52	22JUN04A 52	0405097-21 20000X	6.8884	1327019	1219008	0.008	22-Jun-04	15:01:02	11
53	22JUN04A 53	0405097-23 20000X **	0.90218	173195	1213248	0.030	22-Jun-04	15:04:47	11
54	22JUN04A 54	0406050-20 10X	3.3915	683157	1272939	0.013	22-Jun-04	15:08:33	11

* = do not use - over the linear range - diluted 20,000X later.
** = do not use - for confirmation purposes only.

000624

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	22JUN04A 55	0406050-20L 50X	0.67841	135909	1266624	0.042	22-Jun-04	15:12:20	11
56	22JUN04A 56	0406050-20MS 10X	5.5697	1133888	1287531	0.008	22-Jun-04	15:16:06	11
57	22JUN04A 57	0406050-20MSD 10X	5.6576	1142357	1277035	0.009	22-Jun-04	15:19:53	11
58	22JUN04A 58	0406050-1 1000X	3.3683	682347	1280171	0.011	22-Jun-04	15:23:40	11
59	22JUN04A 59	0406050-2 1000X	3.2953	667307	1279680	0.011	22-Jun-04	15:27:28	11
60	22JUN04A 60	CCV	2.0307	370203	1151701	0.016	22-Jun-04	15:31:16	11
61	22JUN04A 61	CCB	0.0069212	993	1136043	3.383	22-Jun-04	15:35:03	11
62	22JUN04A 62	0406050-3 1000X	3.2071	637973	1257045	0.012	22-Jun-04	15:38:50	11
63	22JUN04A 63	0406050-4 1000X	3.0714	610837	1256683	0.012	22-Jun-04	15:42:36	11
64	22JUN04A 64	0406050-4L 5000X	0.61076	117509	1216683	0.031	22-Jun-04	15:46:26	11
65	22JUN04A 65	0406050-4MS 1000X	5.1621	1007573	1234261	0.010	22-Jun-04	15:50:14	11
66	22JUN04A 66	0406050-4MSD 1000X	5.1578	988352	1211712	0.009	22-Jun-04	15:53:59	11
67	22JUN04A 67	CCV	2.0251	371712	1159595	0.019	22-Jun-04	15:57:45	11
68	22JUN04A 68	CCB	0.0051299	640	1084587	4.027	22-Jun-04	16:01:32	11
69	22JUN04A 69	RINSE							

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 23: 27Al

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	22JUN04A 01	RINSE	0	12111	643243	0.148	22-Jun-04	11:12:36	21
2	22JUN04A 02	RINSE	0	12195	632128	0.172	22-Jun-04	11:15:22	21
3	22JUN04A 03	RINSE	0	11981	625899	0.148	22-Jun-04	11:19:07	21
4	22JUN04A 04	RINSE	0	12505	616021	0.171	22-Jun-04	11:22:50	21
5	22JUN04A 05	0 STD	0	12762	624256	0.145	22-Jun-04	11:26:35	21
6	22JUN04A 06	RL STD	2.0707	36856	636203	0.077	22-Jun-04	11:30:20	21
7	22JUN04A 07	LOW STD	20.032	237040	636587	0.023	22-Jun-04	11:34:05	21
8	22JUN04A 08	MID STD	39.876	463483	644693	0.015	22-Jun-04	11:37:50	21
9	22JUN04A 09	HIGH STD	200.02	2250667	646187	0.006	22-Jun-04	11:41:36	21
10	22JUN04A 10	HIGH STD READBACK	201.53	2302123	656107	0.006	22-Jun-04	11:45:22	21
11	22JUN04A 11	ICV	53.337	594283	623275	0.012	22-Jun-04	11:49:08	21
12	22JUN04A 12	ICB	9.2001e-5	13207	610432	0.194	22-Jun-04	11:57:53	21
13	22JUN04A 13	CRI	2.2716	38461	625877	0.093	22-Jun-04	12:03:39	21
14	22JUN04A 14	ICSA		120419..	676203	0.000	22-Jun-04	12:07:24	21
15	22JUN04A 15	ICSAB		118666..	663360	0.000	22-Jun-04	12:11:10	21
16	22JUN04A 16	CCV	41.106	461163	622891	0.026	22-Jun-04	12:14:57	21
17	22JUN04A 17	CCB	1.0439	24430	611755	0.376	22-Jun-04	12:29:45	21
18	22JUN04A 18	IP040621-3MB 10X	1.2381	26302	606912	0.190	22-Jun-04	12:33:33	21
19	22JUN04A 19	IP040621-3LCS 10X	39.658	438800	613611	0.015	22-Jun-04	12:37:19	21
20	22JUN04A 20	0405095-1 10X	9.4104	115993	621909	0.033	22-Jun-04	12:41:04	21
21	22JUN04A 21	0405095-2 10X	12.702	157136	643669	0.023	22-Jun-04	12:44:50	21
22	22JUN04A 22	0405095-2D 10X	12.797	156395	636288	0.027	22-Jun-04	12:48:36	21
23	22JUN04A 23	0405095-2L 50X	2.8495	44107	616192	0.068	22-Jun-04	12:52:22	21
24	22JUN04A 24	0405095-2MS 10X	51.358	584213	635691	0.016	22-Jun-04	12:56:08	21
25	22JUN04A 25	0405095-2MSD 10X	52.316	591808	632469	0.013	22-Jun-04	12:59:54	21
26	22JUN04A 26	0405095-3 10X	8.7533	115949	662549	0.029	22-Jun-04	13:03:42	21
27	22JUN04A 27	0405095-5 10X	10.103	133344	671317	0.026	22-Jun-04	13:07:29	21

Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 23: 27Al

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	22JUN04A 28	CCV	40.065	451989	625835	0.017	22-Jun-04	13:11:17	21
29	22JUN04A 29	CCB	0.12285	14336	602667	0.328	22-Jun-04	13:15:04	21
30	22JUN04A 30	0405095-7 10X	12.171	147861	629632	0.034	22-Jun-04	13:18:52	21
31	22JUN04A 31	0405095-8 10X	13.085	155227	618837	0.045	22-Jun-04	13:22:39	21
32	22JUN04A 32	0405095-9 10X	9.7798	124976	647616	0.043	22-Jun-04	13:26:28	21
33	22JUN04A 33	0405095-10 10X	12.665	162027	665451	0.027	22-Jun-04	13:30:15	21
34	22JUN04A 34	0405095-11 10X	0.24975	16276	625707	0.238	22-Jun-04	13:34:00	21
35	22JUN04A 35	0405095-12 10X	3.6054	52163	614933	0.088	22-Jun-04	13:37:45	21
36	22JUN04A 36	CCV	40.716	436651	595243	0.019	22-Jun-04	13:41:31	21
37	22JUN04A 37	CCB	0	12756	604608	0.260	22-Jun-04	13:45:18	21
38	22JUN04A 38	IP040611-4MB 10X Uonly	0	6485	602517	0.208	22-Jun-04	13:52:52	21
39	22JUN04A 39	IP040611-4LCS 10X	219.94	2487296	650667	0.008	22-Jun-04	13:56:36	21
40	22JUN04A 40	0406055-9 10X		98004992	794816	0.000	22-Jun-04	14:00:21	21
41	22JUN04A 41	0406055-9D 10X		107322..	815936	0.000	22-Jun-04	14:04:06	21
42	22JUN04A 42	0406055-9L 50X	2116.1	23091542	720427	0.001	22-Jun-04	14:07:51	21
43	22JUN04A 43	0406055-9MS 10X		134199..	888363	0.001	22-Jun-04	14:19:19	21
44	22JUN04A 44	0406055-9MSD 10X		134201..	943168	0.001	22-Jun-04	14:25:04	21
45	22JUN04A 45	0405097-19 10000X	54.008	668704	692843	0.123	22-Jun-04	14:28:50	21
46	22JUN04A 46	0405097-21 10000X	22.886	296848	702997	0.127	22-Jun-04	14:32:36	21
47	22JUN04A 47	0405097-23 10000X	10.123	137215	689536	0.179	22-Jun-04	14:36:23	21
48	22JUN04A 48	CCV	49.018	609216	693653	0.028	22-Jun-04	14:40:10	21
49	22JUN04A 49	CCB	3.9836	61276	670016	0.294	22-Jun-04	14:43:58	21
50	22JUN04A 50	0405097-28 10000X	4.8909	69181	644437	0.143	22-Jun-04	14:47:45	21
51	22JUN04A 51	0405097-19 20000X	3.1789	50799	656725	0.083	22-Jun-04	14:57:16	21
52	22JUN04A 52	0405097-21 20000X	3.9982	60171	656107	0.143	22-Jun-04	15:01:02	21
53	22JUN04A 53	0405097-23 20000X	2.9847	48448	655147	0.165	22-Jun-04	15:04:47	21
54	22JUN04A 54	0406050-20 10X	1.4139	31656	681963	0.194	22-Jun-04	15:08:33	21

Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 23: 27Al

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	22JUN04A 55	0406050-20L 50X	0.84625	24157	662400	0.150	22-Jun-04	15:12:20	21
56	22JUN04A 56	0406050-20MS 10X	48.241	588629	680704	0.015	22-Jun-04	15:16:06	21
57	22JUN04A 57	0406050-20MSD 10X	49.133	596352	677461	0.011	22-Jun-04	15:19:53	21
58	22JUN04A 58	0406050-1 1000X	0.67545	22728	678955	0.163	22-Jun-04	15:23:40	21
59	22JUN04A 59	0406050-2 1000X	0.69112	23098	684395	0.212	22-Jun-04	15:27:28	21
60	22JUN04A 60	CCV	44.340	485611	609493	0.018	22-Jun-04	15:31:16	21
61	22JUN04A 61	CCB	0.69852	19873	586581	0.269	22-Jun-04	15:35:03	21
62	22JUN04A 62	0406050-3 1000X	0.50119	19892	653909	0.207	22-Jun-04	15:38:50	21
63	22JUN04A 63	0406050-4 1000X	0.42034	19316	666005	0.139	22-Jun-04	15:42:36	21
64	22JUN04A 64	0406050-4L 5000X	0.40633	18347	637995	0.127	22-Jun-04	15:46:26	21
65	22JUN04A 65	0406050-4MS 1000X	46.700	546432	652160	0.015	22-Jun-04	15:50:14	21
66	22JUN04A 66	0406050-4MSD 1000X	46.599	537920	643349	0.013	22-Jun-04	15:53:59	21
67	22JUN04A 67	CCV	44.015	476171	601920	0.016	22-Jun-04	15:57:45	21
68	22JUN04A 68	CCB	0.28131	15079	567616	0.201	22-Jun-04	16:01:32	21
69	22JUN04A 69	RINSE							

Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 29: Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	22JUN04A 01	RINSE	0.0081348	1483	1287680	0.000	22-Jun-04	11:12:36	11
2	22JUN04A 02	RINSE	0.0068392	1266	1265493	0.000	22-Jun-04	11:15:22	11
3	22JUN04A 03	RINSE	0.0069252	1253	1239872	0.000	22-Jun-04	11:19:07	11
4	22JUN04A 04	RINSE	0.0075839	1325	1218368	0.000	22-Jun-04	11:22:50	11
5	22JUN04A 05	0 STD	0.0079389	1409	1248192	0.000	22-Jun-04	11:26:35	11
6	22JUN04A 06	RL STD	0.042089	6509	1272043	0.000	22-Jun-04	11:30:20	11
7	22JUN04A 07	LOW STD	4.9833	737261	1266773	0.000	22-Jun-04	11:34:05	11
8	22JUN04A 08	MID STD	10.029	1491862	1274475	0.000	22-Jun-04	11:37:50	11
9	22JUN04A 09	HIGH STD	49.996	7400871	1272363	0.000	22-Jun-04	11:41:36	11
10	22JUN04A 10	HIGH STD READBACK	49.979	7587117	1304832	0.000	22-Jun-04	11:45:22	11
11	22JUN04A 11	ICV	12.803	1852176	1239701	0.000	22-Jun-04	11:49:08	11
12	22JUN04A 12	ICB	0.023356	3511	1198677	0.000	22-Jun-04	11:57:53	11
13	22JUN04A 13	CRI	0.056639	8400	1232256	0.000	22-Jun-04	12:03:39	11
14	22JUN04A 14	ICSA	0.11461	17472	1285867	0.000	22-Jun-04	12:07:24	11
15	22JUN04A 15	ICSAB	10.644	1572592	1265877	0.000	22-Jun-04	12:11:10	11
16	22JUN04A 16	CCV	10.085	1460787	1240960	0.000	22-Jun-04	12:14:57	11
17	22JUN04A 17	CCB	0.016945	2652	1216320	0.000	22-Jun-04	12:29:45	11
18	22JUN04A 18	IP040621-3MB 10X	0.0068318	1198	1198592	0.000	22-Jun-04	12:33:33	11
19	22JUN04A 19	IP040621-3LCS 10X	9.8149	1377834	1202667	0.000	22-Jun-04	12:37:19	11
20	22JUN04A 20	0405095-1 10X	0.027804	4199	1217493	0.000	22-Jun-04	12:41:04	11
21	22JUN04A 21	0405095-2 10X	0.035581	5483	1258368	0.000	22-Jun-04	12:44:50	11
22	22JUN04A 22	0405095-2D 10X	0.030774	4707	1240085	0.000	22-Jun-04	12:48:36	11
23	22JUN04A 23	0405095-2L 50X	0.012721	2022	1198656	0.000	22-Jun-04	12:52:22	11
24	22JUN04A 24	0405095-2MS 10X	9.8263	1415951	1234517	0.000	22-Jun-04	12:56:08	11
25	22JUN04A 25	0405095-2MSD 10X	10.015	1426445	1220288	0.000	22-Jun-04	12:59:54	11
26	22JUN04A 26	0405095-3 10X	0.018136	2983	1285888	0.000	22-Jun-04	13:03:42	11
27	22JUN04A 27	0405095-5 10X	0.016187	2744	1311936	0.000	22-Jun-04	13:07:29	11

Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 29: 0Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	22JUN04A 28	CCV	10.011	1417185	1212821	0.000	22-Jun-04	13:11:17	11
29	22JUN04A 29	CCB	0.018743	2788	1166336	0.000	22-Jun-04	13:15:04	11
30	22JUN04A 30	0405095-7 10X	0.021084	3231	1212992	0.000	22-Jun-04	13:18:52	11
31	22JUN04A 31	0405095-8 10X	0.023427	3515	1196651	0.000	22-Jun-04	13:22:39	11
32	22JUN04A 32	0405095-9 10X	0.033276	5091	1245483	0.000	22-Jun-04	13:26:28	11
33	22JUN04A 33	0405095-10 10X	0.021335	3452	1281899	0.000	22-Jun-04	13:30:15	11
34	22JUN04A 34	0405095-11 10X	0.011640	1876	1202069	0.000	22-Jun-04	13:34:00	11
35	22JUN04A 35	0405095-12 10X	0.075421	10671	1184384	0.000	22-Jun-04	13:37:45	11
36	22JUN04A 36	CCV	9.9735	1324938	1138133	0.000	22-Jun-04	13:41:31	11
37	22JUN04A 37	CCB	0.016450	2486	1171072	0.000	22-Jun-04	13:45:18	11
38	22JUN04A 38	IP040611-4MB 10X	0.0066154	1139	1169301	0.000	22-Jun-04	13:52:52	11
39	22JUN04A 39	IP040611-4LCS 10X	59.984	8788815	1260373	0.000	22-Jun-04	13:56:36	11
40	22JUN04A 40	0406055-9 10X	24.347	3717063	1309547	0.000	22-Jun-04	14:00:21	11
41	22JUN04A 41	0406055-9D 10X	23.673	3687140	1335957	0.000	22-Jun-04	14:04:06	11
42	22JUN04A 42	0406055-9L 50X	5.0197	796295	1358293	0.000	22-Jun-04	14:07:51	11
43	22JUN04A 43	0406055-9MS 10X	80.340	12212621	1309717	0.000	22-Jun-04	14:19:19	11
44	22JUN04A 44	0406055-9MSD 10X	81.714	12882912	1358528	0.000	22-Jun-04	14:25:04	11
45	22JUN04A 45	0405097-19 10000X	0.54149	81529	1285120	0.000	22-Jun-04	14:28:50	11
46	22JUN04A 46	0405097-21 10000X	0.64074	97777	1303125	0.000	22-Jun-04	14:32:36	11
47	22JUN04A 47	0405097-23 10000X	0.098073	14926	1280576	0.000	22-Jun-04	14:36:23	11
48	22JUN04A 48	CCV	9.9933	1491710	1278848	0.000	22-Jun-04	14:40:10	11
49	22JUN04A 49	CCB	0.020824	3259	1237355	0.000	22-Jun-04	14:43:58	11
50	22JUN04A 50	0405097-28 10000X	0.48562	68488	1203307	0.000	22-Jun-04	14:47:45	11
51	22JUN04A 51	0405097-19 20000X	0.18134	26614	1244757	0.000	22-Jun-04	14:57:16	11
52	22JUN04A 52	0405097-21 20000X	0.24525	35162	1219008	0.000	22-Jun-04	15:01:02	11
53	22JUN04A 53	0405097-23 20000X	0.063208	9201	1213248	0.000	22-Jun-04	15:04:47	11
54	22JUN04A 54	0406050-20 10X	0.042617	6592	1272939	0.000	22-Jun-04	15:08:33	11

Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

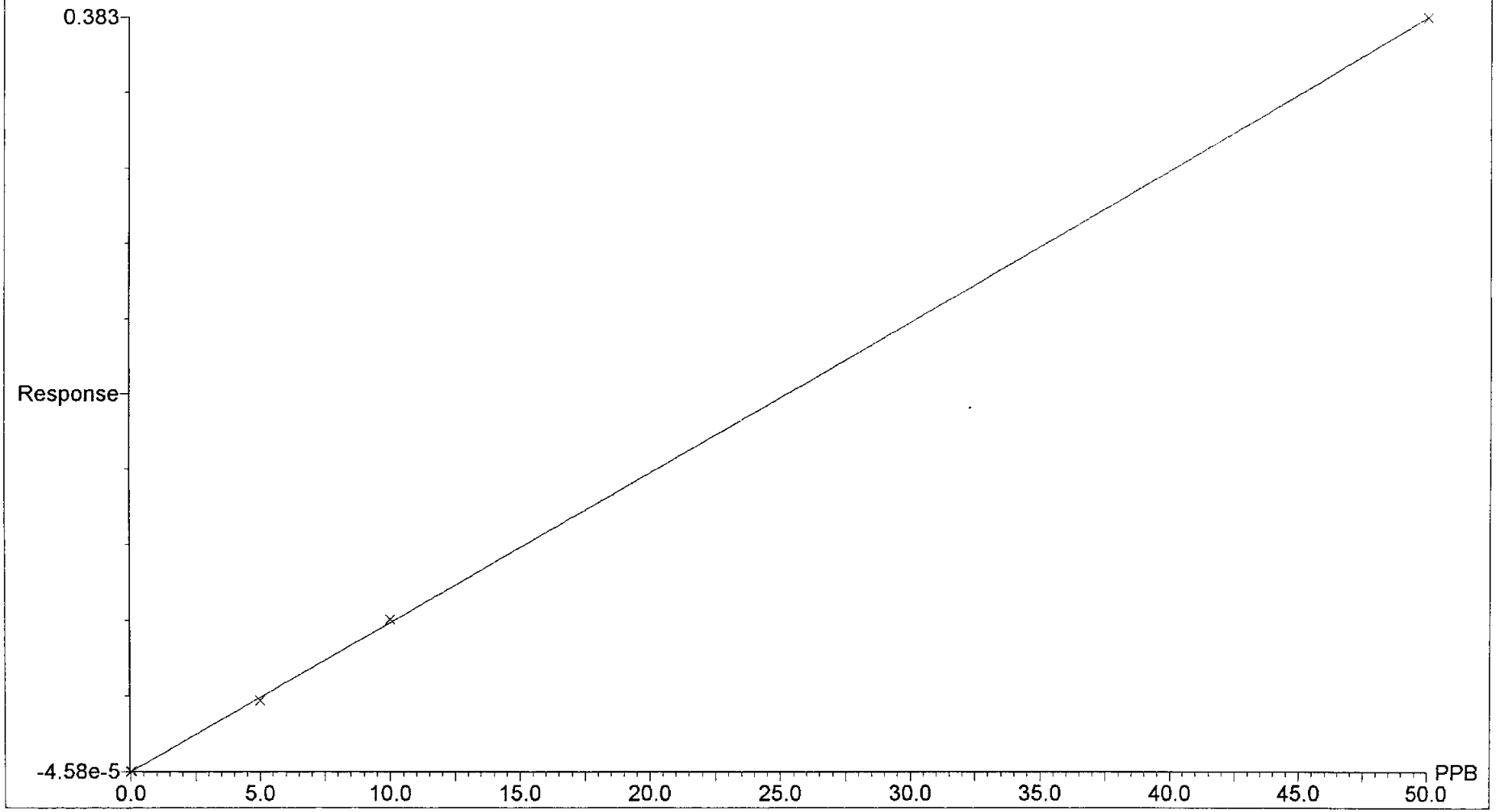
Printed: Wed Jun 23 10:12:16 2004

Compound 29: Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	22JUN04A 55	0406050-20L 50X U only	0.014935	2465	1266624	0.000	22-Jun-04	15:12:20	11
56	22JUN04A 56	0406050-20MS 10X	10.941	1644143	1287531	0.000	22-Jun-04	15:16:06	11
57	22JUN04A 57	0406050-20MSD 10X	11.051	1647096	1277035	0.000	22-Jun-04	15:19:53	11
58	22JUN04A 58	0406050-1 1000X	0.024561	3930	1280171	0.000	22-Jun-04	15:23:40	11
59	22JUN04A 59	0406050-2 1000X	0.023268	3735	1279680	0.000	22-Jun-04	15:27:28	11
60	22JUN04A 60	CCV	10.048	1350762	1151701	0.000	22-Jun-04	15:31:16	11
61	22JUN04A 61	CCB	0.022644	3233	1136043	0.000	22-Jun-04	15:35:03	11
62	22JUN04A 62	0406050-3 1000X	0.018634	2989	1257045	0.000	22-Jun-04	15:38:50	11
63	22JUN04A 63	0406050-4 1000X	0.015475	2524	1256683	0.000	22-Jun-04	15:42:36	11
64	22JUN04A 64	0406050-4L 5000X	0.010166	1690	1216683	0.000	22-Jun-04	15:46:26	11
65	22JUN04A 65	0406050-4MS 1000X	10.403	1498676	1234261	0.000	22-Jun-04	15:50:14	11
66	22JUN04A 66	0406050-4MSD 1000X	10.432	1475380	1211712	0.000	22-Jun-04	15:53:59	11
67	22JUN04A 67	CCV	10.060	1361655	1159595	0.000	22-Jun-04	15:57:45	11
68	22JUN04A 68	CCB	0.017643	2453	1084587	0.000	22-Jun-04	16:01:32	11
69	22JUN04A 69	RINSE							

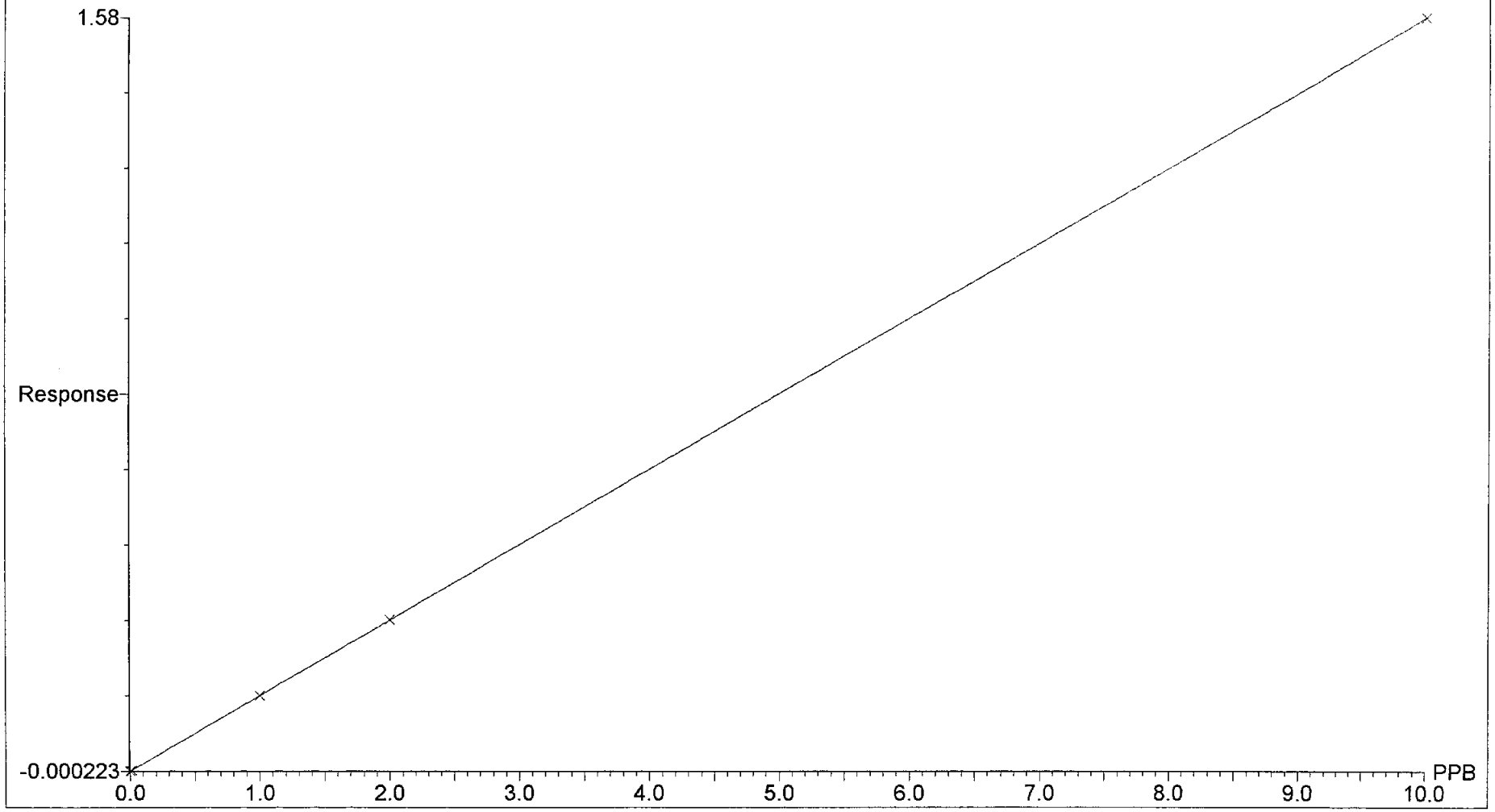
000632

Compound 10 name: 0Cadmium
Coefficient of Determination: 0.999940
Calibration curve: 2.94588e-6 * x^2 + 0.00751073 * x + -4.58274e-5
Response type: Internal Std (Ref 1), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



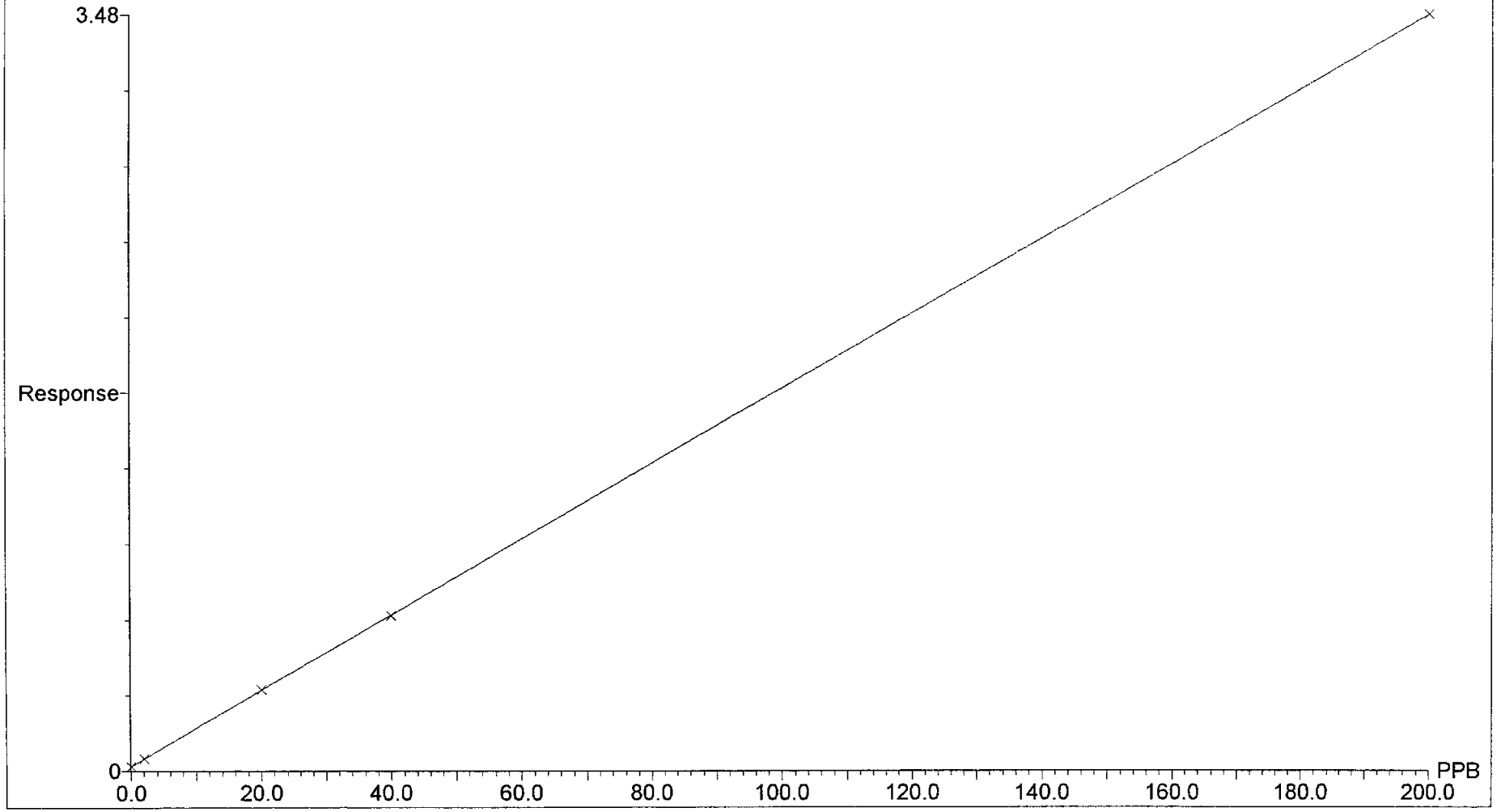
000633

Compound 12 name: 238U
Coefficient of Determination: 1.000000
Calibration curve: -6.88284e-5 * x^2 + 0.158540 * x + -0.000223203
Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



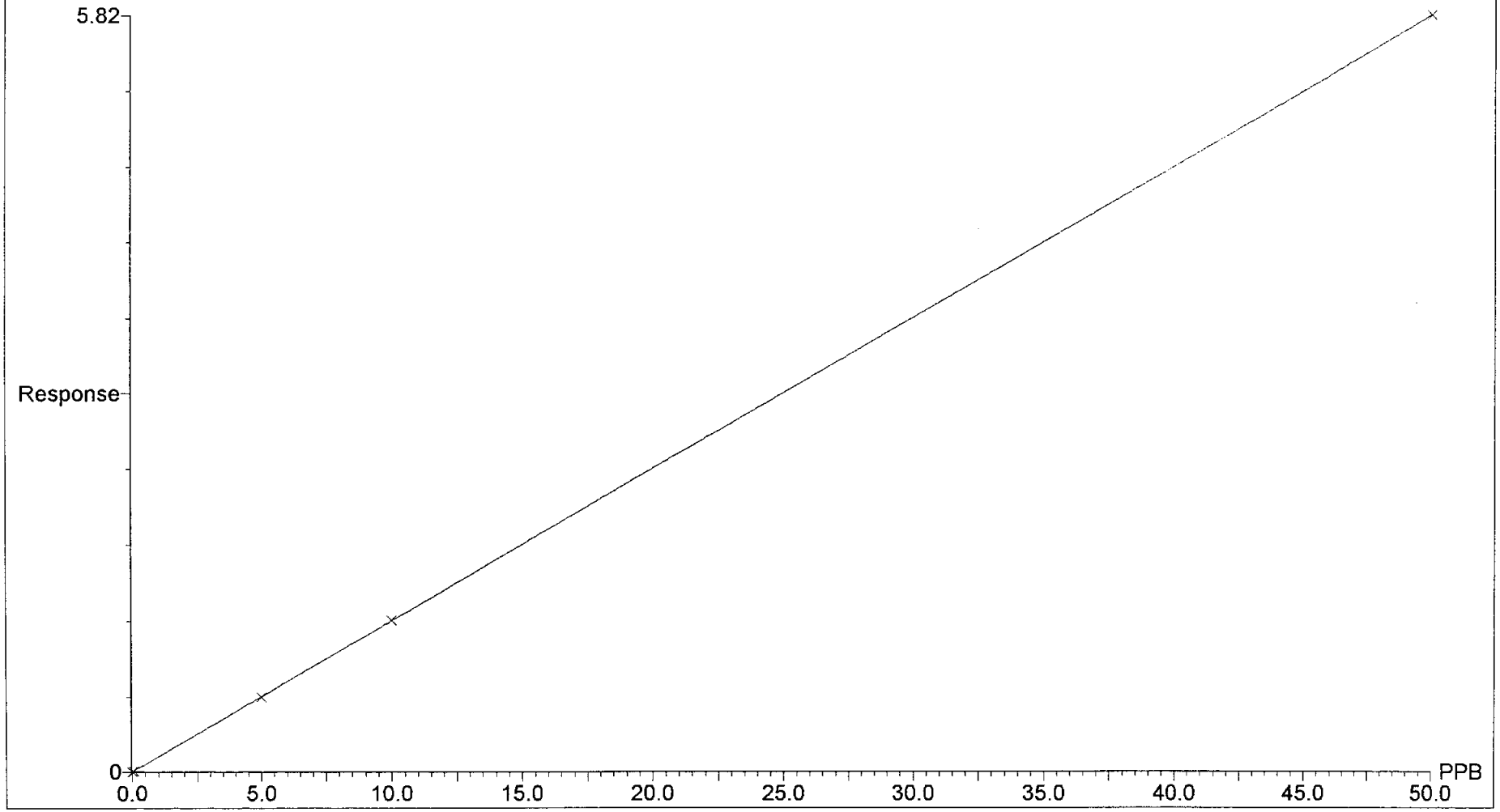
000634

Compound 23 name: 27Al
Coefficient of Determination: 0.999999
Calibration curve: -1.13163e-6 * x^2 + 0.0175313 * x + 0.0216339
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



000635

Compound 29 name: Lead
Coefficient of Determination: 0.999999
Calibration curve: -9.11572e-6 * x^2 + 0.116794 * x + 0.000201397
Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



HEADER INFROMATION FOR ANALYTICAL SEQUENCE: MS040713A REM

Reviewed RT 7/14/04

STANDARD SOLUTIONS

ST040608-12 = 40 PPM - Al; 10 PPM - Cd, Pb; 4 PPM - As, Se; 2 PPM – Ag, Sb, U, Mo; 0.4 PPM - Th; 0.1 PPM - Tl.
EXPIRES: 09/30/05.

CALIBRATION STANDARDS

HIGH STD (200 ppb - Al; 50 ppb - Cd, Pb; 20 ppb - As, Se; 10ppb - Ag, Sb, U, Mo; 2 ppb - Th; 0.5ppb - Tl.) Made daily by diluting (ST040608-12) 200 fold, (0.05ml up to a 10 ml final volume).
MID LEVEL STD (40 ppb - Al; 10 ppb - Cd, Pb; 4 ppb - As, Se; 2ppb - Ag, Sb, U, Mo; 0.4 ppb - Th; 0.1ppb - Tl.) Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST040608-12).
LOW LEVEL STD (20 ppb - Al; 5 ppb - Cd, Pb; 2 ppb - As, Se; 1ppb - Ag, Sb, U, Mo; 0.2 ppb - Th; 0.05ppb - Tl.) Made daily by diluting 1.0ml of the HIGH STD calibration standard up to a 10ml final volume, (2000 fold dilution of ST040608-12).
RL STD - Made daily by diluting (RL Intermediate ST040608-11--EXPIRES 09/30/05) 200 fold, (0.05ml up to a 10ml final volume). When ST040608-11 is diluted 200 fold it yields a solution at the reporting limit. (2 ppb - Al; 0.2 ppb - As; 0.1 ppb - Se,Mo; 0.05 ppb - Pb; 0.03 ppb - Cd, Sb; 0.02 ppb - Tl, Th; 0.01 ppb – Ag,U.)

INTERFERENCE CHECK SOLUTIONS

ICSA Made daily by diluting 0.1ml of (ST031124-5--EXPIRES: 12/01/04) up to a 10ml final volume, (100 fold dilution). The ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2

ICSAB Made daily by diluting 0.1ml of (ST031124-5--EXPIRES: 12/01/04) and 2ml of the HIGH STD calibration standard up to a 10ml final volume. (This solution is a 100 fold dilution of ST031124-5 and a 1000 fold dilution of ST040608-12.) The ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2
Cd,Pb	0.01
As,Se	0.004
Ag,Sb,U	0.002
Tl	0.0001

ICSA_MO – Direct analysis of (ST040610-2 Expires 11-07-05). This solution is custom and made to be as close as possible to the ICSA above, without Mo. This ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2

ICSAB_MO Made daily by diluting 0.04ml of (ST040608-13--EXPIRES: 10/22/04) up to a 10ml final volume with ICSA (Mo) solution above (ST040610-2 Expires 11-07-05). (This solution is a 250 fold dilution of ST040608-13.) This ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2
Mo	0.002
Cd,Pb	0.01
As,Se	0.004
Ag,Sb,U	0.002
Tl	0.0001

CALIBRATION CHECK STANDARDS

ICV Made daily by diluting ICV second source intermediate (ST040608-13--EXPIRES: 10/22/04) 200 fold, (0.05ml up to a 10ml final volume). The ICV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	50
Cd,Pb	12.5
Se	5
Ag,Sb,U,Mo	2.5
Th	0.5
Tl	0.125

ICV_AS Made daily by diluting ST040521-32 -- 20,000 fold. The ICV_AS working solution contains:

Element	Concentration (ppb)
As	5

CCV Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST040608-12). The CCV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	40
Cd,Pb	10
As,Se	4
Ag,Sb,U,Mo	2
Th	0.4
Tl	0.1

CRI Re-analysis of the RL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	2.0
As	0.2
Se,Mo	0.1
Pb	0.05
Cd,Sb	0.03
Tl,Th	0.02

Ag,U 0.01

BLANK

ICB / CCB and all diluent – 1% HNO_3, 1% HCl in double deionized water.

INTERNAL STANDARDS

Internal Standard Intermediate (ST040610-3--EXPIRES: 03/01/05) contains 1 PPM each of Bi, Rh, In; and 2 PPM each of Be, Ga, Pt. This intermediate is added to all standards and samples in the same proportion of 1 on top of 100. Most often this is done by adding 0.05ml of Internal Standard Intermediate on top of 5ml of sample or standard. The final concentration of internal standard in the working solutions or samples is about 10 ppb In, Rh, Bi; and 20 ppb Be, Ga, Pt.

ACID LOT NUMBERS

HNO_3 – Y42044
HCl – Y25027

PIPET ID NUMBERS

1.0 to 5.0ml -- M-58
0.1 to 1.0ml – MS-50
0.01 to 0.1ml -- M-56

DILUTIONS

2X dilutions made by diluting 5ml of sample to a 10ml final volume.
5X dilutions made by diluting 1ml of sample to a 5ml final volume.
10X dilutions made by diluting 1ml of sample to a 10ml final volume.
50X dilutions made by diluting 0.1ml of sample to a 5ml final volume.
100X dilutions made by diluting 0.1ml of sample to a 10ml final volume.
200X dilutions made by diluting 0.05ml of sample to a 10ml final volume.

ANALYTICAL SPIKES
0406241-3 Post spiked for Sb at 2 ppb by diluting 0.02ml of (ST040608-13 = 500ppb Sb) up to a 5ml final volume with the ten fold dilution of the sample digestate.

DAILY MAINTENANCE ITEMS

1. Check / change pump tubing
2. Check / empty drain containers

3. Tune instrument per manufacturer's procedures
4. Perform ten minute stability test (include results with data package)

MONTHLY MAINTENANCE ITEMS

1. Check / clean torch and cones for deposits
2. Check / clean nebulizer and spray chamber
3. Check / fill water recirculating reservoirs
4. Check / fill vacuum pump oil

COMMENTS

IDL / MDL working solution is made by diluting (MDL/IDL Intermediate ST040609-5) 1,000 fold. (0.1ml up to a 100ml final volume.)

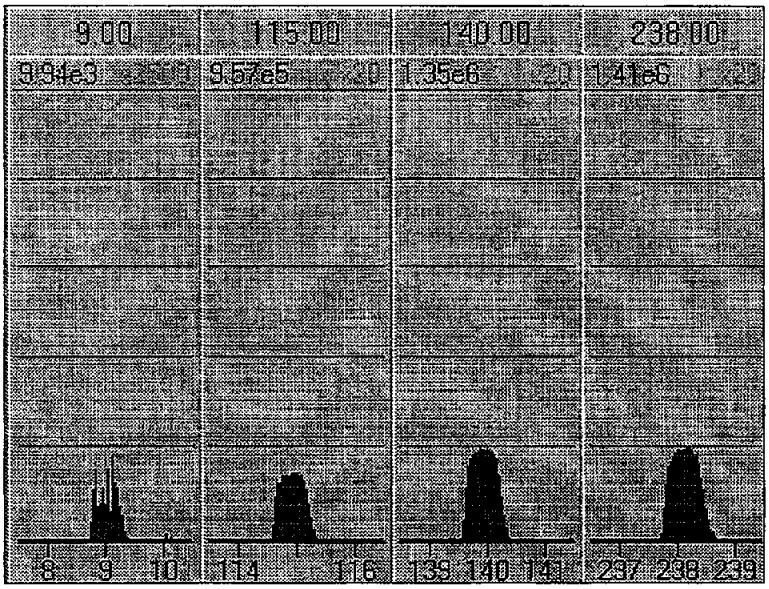
The IDL / MDL working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	1.0
Cd,Tl	0.005
As	0.06
Pb	0.04
Se,Sb,Mo	0.02
Th	0.01
U	0.002
Ag	0.004

Tuning Method Report

Method: C:\MASSLYNX\AUG2002.PRO\ACQUDB\14AUGJTF TUNE

Printed: Tue Jul 13 10:15:41 2004



ANALYSER	Set	Rdbk
Cone Lens	50	-66
Hex Exit Lens	400	419
Hex Bias	0.2	
LM Resolution	12.5	
High Resolution	12.5	
Ion Energy	2.0	
Multiplier	500	-517

Pressures	Rdbk
Analyser Vacuum	2.6e-5

TORCH	Set	
X-Axis	2.33	2.35
Y-Axis	-0.63	-0.64
Z-Axis	-0.54	-0.54
Forward Power	1350	1347

GAS	Set	
Cool Gas	13.50	13.49
Intermediate Gas	0.81	0.81
Nebuliser Gas 1	0.81	0.81
Nebuliser Gas 2	0.00	0.01
Helium	5.5	5.5
Hydrogen	3.0	3.0
Hexapole Aux	0.00	0.36
Laser Gas	0.00	0.29

Quantify Compound Summary Report
13JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 13JUL04A
Last modified: Tue Jul 13 10:16:04 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jul 13 10:51:06 2004

Compound 1: 9Be

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	13JUL04 01			5781		0.269	13-Jul-(
2	13JUL04 02			5950		0.285	13-Jul-(
3	13JUL04 03			6122		0.263	13-Jul-(
4	13JUL04 04			6058		0.202	13-Jul-(
5	13JUL04 05			5721		0.230	13-Jul-(
6	13JUL04 06			5806		0.248	13-Jul-(
7	13JUL04 07			5714		0.295	13-Jul-(
8	13JUL04 08			5603		0.279	13-Jul-(
9	13JUL04 09			5857		0.262	13-Jul-(
10	13JUL04 10			5808		0.269	13-Jul-(
11	13JUL04 11			5839		0.226	13-Jul-(
12	13JUL04 12			5856		0.282	13-Jul-(
13	13JUL04 13			5838		0.234	13-Jul-(
14	13JUL04 14			5874		0.278	13-Jul-(
15	13JUL04 15			5904		0.243	13-Jul-(
16	13JUL04 16			6015		0.237	13-Jul-(
17	13JUL04 17			5878		0.253	13-Jul-(
18	13JUL04 18			5881		0.246	13-Jul-(
19	13JUL04 19			5717		0.257	13-Jul-(
20	13JUL04 20			5878		0.233	13-Jul-(
21	13JUL04 21			5958		0.246	13-Jul-(
22	13JUL04 22			5878		0.198	13-Jul-(
23	13JUL04 23			5971		0.242	13-Jul-(
24	13JUL04 24			6219		0.225	13-Jul-(
25	13JUL04 25			6132		0.225	13-Jul-(
26	13JUL04 26			6448		0.207	13-Jul-(
27	13JUL04 27			6271		0.266	13-Jul-(
28	13JUL04 28			6465		0.236	13-Jul-(
29	13JUL04 29			6603		0.213	13-Jul-(
30	13JUL04 30			6461		0.260	13-Jul-(

Quantify Compound Summary Report
13JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 13JUL04A
Last modified: Tue Jul 13 10:16:04 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jul 13 10:51:06 2004

Compound 2: 24Mg

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	13JUL04 01			72566		0.048	13-Jul-(
2	13JUL04 02			74778		0.063	13-Jul-(
3	13JUL04 03			76176		0.050	13-Jul-(
4	13JUL04 04			76130		0.043	13-Jul-(
5	13JUL04 05			72766		0.044	13-Jul-(
6	13JUL04 06			71254		0.046	13-Jul-(
7	13JUL04 07			72339		0.049	13-Jul-(
8	13JUL04 08			70544		0.045	13-Jul-(
9	13JUL04 09			72740		0.043	13-Jul-(
10	13JUL04 10			73319		0.044	13-Jul-(
11	13JUL04 11			73910		0.047	13-Jul-(
12	13JUL04 12			74786		0.042	13-Jul-(
13	13JUL04 13			73910		0.045	13-Jul-(
14	13JUL04 14			75169		0.042	13-Jul-(
15	13JUL04 15			75034		0.038	13-Jul-(
16	13JUL04 16			76473		0.050	13-Jul-(
17	13JUL04 17			75816		0.052	13-Jul-(
18	13JUL04 18			74752		0.046	13-Jul-(
19	13JUL04 19			73976		0.050	13-Jul-(
20	13JUL04 20			74987		0.047	13-Jul-(
21	13JUL04 21			75327		0.047	13-Jul-(
22	13JUL04 22			75475		0.039	13-Jul-(
23	13JUL04 23			76169		0.045	13-Jul-(
24	13JUL04 24			78763		0.049	13-Jul-(
25	13JUL04 25			78693		0.040	13-Jul-(
26	13JUL04 26			80821		0.047	13-Jul-(
27	13JUL04 27			80302		0.042	13-Jul-(
28	13JUL04 28			82900		0.038	13-Jul-(
29	13JUL04 29			84362		0.040	13-Jul-(
30	13JUL04 30			82354		0.043	13-Jul-(

Quantify Compound Summary Report
13JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 13JUL04A
Last modified: Tue Jul 13 10:16:04 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jul 13 10:51:06 2004

Compound 3: 59Co

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	13JUL04 01			354368		0.017	13-Jul-(
2	13JUL04 02			361333		0.023	13-Jul-(
3	13JUL04 03			369551		0.017	13-Jul-(
4	13JUL04 04			367258		0.018	13-Jul-(
5	13JUL04 05			349643		0.016	13-Jul-(
6	13JUL04 06			343849		0.019	13-Jul-(
7	13JUL04 07			346613		0.018	13-Jul-(
8	13JUL04 08			340062		0.018	13-Jul-(
9	13JUL04 09			346184		0.018	13-Jul-(
10	13JUL04 10			347896		0.015	13-Jul-(
11	13JUL04 11			348879		0.020	13-Jul-(
12	13JUL04 12			351217		0.020	13-Jul-(
13	13JUL04 13			348390		0.017	13-Jul-(
14	13JUL04 14			353815		0.016	13-Jul-(
15	13JUL04 15			350679		0.015	13-Jul-(
16	13JUL04 16			354315		0.015	13-Jul-(
17	13JUL04 17			353359		0.022	13-Jul-(
18	13JUL04 18			349474		0.016	13-Jul-(
19	13JUL04 19			346059		0.016	13-Jul-(
20	13JUL04 20			348555		0.017	13-Jul-(
21	13JUL04 21			349847		0.018	13-Jul-(
22	13JUL04 22			350351		0.016	13-Jul-(
23	13JUL04 23			351059		0.018	13-Jul-(
24	13JUL04 24			361807		0.019	13-Jul-(
25	13JUL04 25			359608		0.018	13-Jul-(
26	13JUL04 26			369449		0.015	13-Jul-(
27	13JUL04 27			364973		0.018	13-Jul-(
28	13JUL04 28			375582		0.015	13-Jul-(
29	13JUL04 29			380254		0.013	13-Jul-(
30	13JUL04 30			372309		0.018	13-Jul-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 13JUL04A
Last modified: Tue Jul 13 10:16:04 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jul 13 10:51:06 2004

Compound 4: 60Ni

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	13JUL04 01			66700		0.043	13-Jul-(
2	13JUL04 02			67526		0.067	13-Jul-(
3	13JUL04 03			69701		0.049	13-Jul-(
4	13JUL04 04			69626		0.053	13-Jul-(
5	13JUL04 05			66171		0.048	13-Jul-(
6	13JUL04 06			64496		0.045	13-Jul-(
7	13JUL04 07			65452		0.052	13-Jul-(
8	13JUL04 08			63591		0.047	13-Jul-(
9	13JUL04 09			65435		0.042	13-Jul-(
10	13JUL04 10			65950		0.058	13-Jul-(
11	13JUL04 11			65371		0.040	13-Jul-(
12	13JUL04 12			66104		0.039	13-Jul-(
13	13JUL04 13			65234		0.049	13-Jul-(
14	13JUL04 14			66524		0.039	13-Jul-(
15	13JUL04 15			65703		0.042	13-Jul-(
16	13JUL04 16			66055		0.044	13-Jul-(
17	13JUL04 17			66079		0.051	13-Jul-(
18	13JUL04 18			65322		0.047	13-Jul-(
19	13JUL04 19			64822		0.043	13-Jul-(
20	13JUL04 20			65259		0.045	13-Jul-(
21	13JUL04 21			65336		0.043	13-Jul-(
22	13JUL04 22			65731		0.046	13-Jul-(
23	13JUL04 23			65548		0.045	13-Jul-(
24	13JUL04 24			67771		0.045	13-Jul-(
25	13JUL04 25			67445		0.043	13-Jul-(
26	13JUL04 26			69798		0.045	13-Jul-(
27	13JUL04 27			68627		0.046	13-Jul-(
28	13JUL04 28			70356		0.040	13-Jul-(
29	13JUL04 29			71900		0.046	13-Jul-(
30	13JUL04 30			69693		0.040	13-Jul-(

Quantify Compound Summary Report
13JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 13JUL04A
Last modified: Tue Jul 13 10:16:04 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jul 13 10:51:06 2004

Compound 5: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	13JUL04 01			1037553		0.007	13-Jul-(
2	13JUL04 02			1040520		0.020	13-Jul-(
3	13JUL04 03			1074703		0.009	13-Jul-(
4	13JUL04 04			1064990		0.010	13-Jul-(
5	13JUL04 05			1021214		0.009	13-Jul-(
6	13JUL04 06			998204		0.010	13-Jul-(
7	13JUL04 07			1002873		0.009	13-Jul-(
8	13JUL04 08			984275		0.008	13-Jul-(
9	13JUL04 09			1004243		0.009	13-Jul-(
10	13JUL04 10			1009739		0.009	13-Jul-(
11	13JUL04 11			1006547		0.007	13-Jul-(
12	13JUL04 12			1010492		0.009	13-Jul-(
13	13JUL04 13			997737		0.010	13-Jul-(
14	13JUL04 14			1010417		0.009	13-Jul-(
15	13JUL04 15			1003821		0.007	13-Jul-(
16	13JUL04 16			1010553		0.008	13-Jul-(
17	13JUL04 17			1007872		0.010	13-Jul-(
18	13JUL04 18			995087		0.010	13-Jul-(
19	13JUL04 19			988100		0.009	13-Jul-(
20	13JUL04 20			995027		0.010	13-Jul-(
21	13JUL04 21			995223		0.009	13-Jul-(
22	13JUL04 22			999108		0.007	13-Jul-(
23	13JUL04 23			1001141		0.009	13-Jul-(
24	13JUL04 24			1027750		0.008	13-Jul-(
25	13JUL04 25			1027509		0.008	13-Jul-(
26	13JUL04 26			1048516		0.009	13-Jul-(
27	13JUL04 27			1041544		0.008	13-Jul-(
28	13JUL04 28			1064448		0.008	13-Jul-(
29	13JUL04 29			1077293		0.007	13-Jul-(
30	13JUL04 30			1049003		0.009	13-Jul-(

Quantify Compound Summary Report
13JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 13JUL04A
Last modified: Tue Jul 13 10:16:04 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jul 13 10:51:06 2004

Compound 6: 140Ce

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	13JUL04 01			1392580		0.006	13-Jul-(
2	13JUL04 02			1401705		0.014	13-Jul-(
3	13JUL04 03			1446521		0.008	13-Jul-(
4	13JUL04 04			1430784		0.008	13-Jul-(
5	13JUL04 05			1367371		0.007	13-Jul-(
6	13JUL04 06			1343247		0.009	13-Jul-(
7	13JUL04 07			1347644		0.008	13-Jul-(
8	13JUL04 08			1321246		0.008	13-Jul-(
9	13JUL04 09			1349195		0.008	13-Jul-(
10	13JUL04 10			1351454		0.008	13-Jul-(
11	13JUL04 11			1348985		0.008	13-Jul-(
12	13JUL04 12			1358667		0.008	13-Jul-(
13	13JUL04 13			1339558		0.006	13-Jul-(
14	13JUL04 14			1358517		0.009	13-Jul-(
15	13JUL04 15			1348292		0.007	13-Jul-(
16	13JUL04 16			1354014		0.008	13-Jul-(
17	13JUL04 17			1350897		0.008	13-Jul-(
18	13JUL04 18			1332570		0.006	13-Jul-(
19	13JUL04 19			1326637		0.009	13-Jul-(
20	13JUL04 20			1329860		0.008	13-Jul-(
21	13JUL04 21			1333865		0.009	13-Jul-(
22	13JUL04 22			1337660		0.007	13-Jul-(
23	13JUL04 23			1340657		0.007	13-Jul-(
24	13JUL04 24			1378093		0.007	13-Jul-(
25	13JUL04 25			1373425		0.006	13-Jul-(
26	13JUL04 26			1407021		0.007	13-Jul-(
27	13JUL04 27			1391706		0.007	13-Jul-(
28	13JUL04 28			1425785		0.007	13-Jul-(
29	13JUL04 29			1443464		0.007	13-Jul-(
30	13JUL04 30			1407098		0.007	13-Jul-(

Quantify Compound Summary Report
13JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 13JUL04A
Last modified: Tue Jul 13 10:16:04 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jul 13 10:51:06 2004

Compound 7: 140CeO

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	13JUL04 01			48424		0.056	13-Jul-(
2	13JUL04 02			48505		0.087	13-Jul-(
3	13JUL04 03			50635		0.076	13-Jul-(
4	13JUL04 04			48590		0.081	13-Jul-(
5	13JUL04 05			46036		0.072	13-Jul-(
6	13JUL04 06			45243		0.077	13-Jul-(
7	13JUL04 07			46259		0.086	13-Jul-(
8	13JUL04 08			44817		0.081	13-Jul-(
9	13JUL04 09			45992		0.085	13-Jul-(
10	13JUL04 10			45270		0.077	13-Jul-(
11	13JUL04 11			46236		0.086	13-Jul-(
12	13JUL04 12			47426		0.079	13-Jul-(
13	13JUL04 13			45982		0.087	13-Jul-(
14	13JUL04 14			47697		0.068	13-Jul-(
15	13JUL04 15			47027		0.079	13-Jul-(
16	13JUL04 16			48063		0.078	13-Jul-(
17	13JUL04 17			47505		0.085	13-Jul-(
18	13JUL04 18			46211		0.076	13-Jul-(
19	13JUL04 19			46620		0.077	13-Jul-(
20	13JUL04 20			46313		0.067	13-Jul-(
21	13JUL04 21			46755		0.074	13-Jul-(
22	13JUL04 22			47103		0.067	13-Jul-(
23	13JUL04 23			47306		0.090	13-Jul-(
24	13JUL04 24			49714		0.071	13-Jul-(
25	13JUL04 25			48124		0.081	13-Jul-(
26	13JUL04 26			50189		0.071	13-Jul-(
27	13JUL04 27			47778		0.070	13-Jul-(
28	13JUL04 28			49474		0.085	13-Jul-(
29	13JUL04 29			50371		0.075	13-Jul-(
30	13JUL04 30			48383		0.075	13-Jul-(

Quantify Compound Summary Report
13JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 13JUL04A
Last modified: Tue Jul 13 10:16:04 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jul 13 10:51:06 2004

Compound 11: Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	13JUL04 01			1027737		0.000	13-Jul-(
2	13JUL04 02			1050853		0.000	13-Jul-(
3	13JUL04 03			1070348		0.000	13-Jul-(
4	13JUL04 04			1060822		0.000	13-Jul-(
5	13JUL04 05			1016753		0.000	13-Jul-(
6	13JUL04 06			1001660		0.000	13-Jul-(
7	13JUL04 07			1006135		0.000	13-Jul-(
8	13JUL04 08			991671		0.000	13-Jul-(
9	13JUL04 09			1009319		0.000	13-Jul-(
10	13JUL04 10			1010427		0.000	13-Jul-(
11	13JUL04 11			1014906		0.000	13-Jul-(
12	13JUL04 12			1018078		0.000	13-Jul-(
13	13JUL04 13			1010522		0.000	13-Jul-(
14	13JUL04 14			1021546		0.000	13-Jul-(
15	13JUL04 15			1019231		0.000	13-Jul-(
16	13JUL04 16			1022732		0.000	13-Jul-(
17	13JUL04 17			1014711		0.000	13-Jul-(
18	13JUL04 18			1008861		0.000	13-Jul-(
19	13JUL04 19			999338		0.000	13-Jul-(
20	13JUL04 20			1004112		0.000	13-Jul-(
21	13JUL04 21			1007200		0.000	13-Jul-(
22	13JUL04 22			1009743		0.000	13-Jul-(
23	13JUL04 23			1011339		0.000	13-Jul-(
24	13JUL04 24			1032969		0.000	13-Jul-(
25	13JUL04 25			1031702		0.000	13-Jul-(
26	13JUL04 26			1048593		0.000	13-Jul-(
27	13JUL04 27			1043904		0.000	13-Jul-(
28	13JUL04 28			1068795		0.000	13-Jul-(
29	13JUL04 29			1082823		0.000	13-Jul-(
30	13JUL04 30			1056208		0.000	13-Jul-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 13JUL04A
Last modified: Tue Jul 13 10:16:04 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jul 13 10:51:06 2004

Compound 12: 209Bi

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	13JUL04 01			892100		0.010	13-Jul-(
2	13JUL04 02			912173		0.017	13-Jul-(
3	13JUL04 03			924416		0.011	13-Jul-(
4	13JUL04 04			918633		0.012	13-Jul-(
5	13JUL04 05			879074		0.011	13-Jul-(
6	13JUL04 06			867193		0.011	13-Jul-(
7	13JUL04 07			871198		0.010	13-Jul-(
8	13JUL04 08			857946		0.009	13-Jul-(
9	13JUL04 09			875113		0.010	13-Jul-(
10	13JUL04 10			874345		0.009	13-Jul-(
11	13JUL04 11			880188		0.011	13-Jul-(
12	13JUL04 12			879812		0.010	13-Jul-(
13	13JUL04 13			871545		0.011	13-Jul-(
14	13JUL04 14			879917		0.009	13-Jul-(
15	13JUL04 15			877809		0.009	13-Jul-(
16	13JUL04 16			886377		0.010	13-Jul-(
17	13JUL04 17			879872		0.011	13-Jul-(
18	13JUL04 18			873231		0.009	13-Jul-(
19	13JUL04 19			863021		0.012	13-Jul-(
20	13JUL04 20			868367		0.010	13-Jul-(
21	13JUL04 21			868894		0.010	13-Jul-(
22	13JUL04 22			873999		0.009	13-Jul-(
23	13JUL04 23			875942		0.010	13-Jul-(
24	13JUL04 24			896000		0.009	13-Jul-(
25	13JUL04 25			894012		0.010	13-Jul-(
26	13JUL04 26			908469		0.010	13-Jul-(
27	13JUL04 27			906044		0.010	13-Jul-(
28	13JUL04 28			920245		0.008	13-Jul-(
29	13JUL04 29			937608		0.010	13-Jul-(
30	13JUL04 30			915700		0.010	13-Jul-(

Quantify Compound Summary Report
13JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 13JUL04A
Last modified: Tue Jul 13 10:16:04 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jul 13 10:51:06 2004

Compound 13: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	13JUL04 01			1414867		0.007	13-Jul-(
2	13JUL04 02			1443705		0.013	13-Jul-(
3	13JUL04 03			1462483		0.009	13-Jul-(
4	13JUL04 04			1446596		0.009	13-Jul-(
5	13JUL04 05			1393423		0.008	13-Jul-(
6	13JUL04 06			1370157		0.010	13-Jul-(
7	13JUL04 07			1376798		0.008	13-Jul-(
8	13JUL04 08			1353171		0.008	13-Jul-(
9	13JUL04 09			1385879		0.009	13-Jul-(
10	13JUL04 10			1385020		0.008	13-Jul-(
11	13JUL04 11			1390682		0.010	13-Jul-(
12	13JUL04 12			1395953		0.009	13-Jul-(
13	13JUL04 13			1377717		0.007	13-Jul-(
14	13JUL04 14			1401690		0.008	13-Jul-(
15	13JUL04 15			1394402		0.008	13-Jul-(
16	13JUL04 16			1405335		0.009	13-Jul-(
17	13JUL04 17			1394914		0.008	13-Jul-(
18	13JUL04 18			1388409		0.007	13-Jul-(
19	13JUL04 19			1367898		0.007	13-Jul-(
20	13JUL04 20			1379659		0.009	13-Jul-(
21	13JUL04 21			1381677		0.009	13-Jul-(
22	13JUL04 22			1385773		0.009	13-Jul-(
23	13JUL04 23			1388122		0.008	13-Jul-(
24	13JUL04 24			1423511		0.007	13-Jul-(
25	13JUL04 25			1414701		0.008	13-Jul-(
26	13JUL04 26			1440557		0.008	13-Jul-(
27	13JUL04 27			1428902		0.008	13-Jul-(
28	13JUL04 28			1461685		0.008	13-Jul-(
29	13JUL04 29			1478716		0.007	13-Jul-(
30	13JUL04 30			1440073		0.009	13-Jul-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 13JUL04A
Last modified: Tue Jul 13 10:16:04 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jul 13 10:51:06 2004

Compound 14: 220BKGD

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	13JUL04 01			1		137.779	13-Jul-(
2	13JUL04 02			1		111.114	13-Jul-(
3	13JUL04 03			1		145.616	13-Jul-(
4	13JUL04 04			1		126.827	13-Jul-(
5	13JUL04 05			1		126.545	13-Jul-(
6	13JUL04 06			1		160.071	13-Jul-(
7	13JUL04 07			1		126.699	13-Jul-(
8	13JUL04 08						
9	13JUL04 09						
10	13JUL04 10			1		168.386	13-Jul-(
11	13JUL04 11						
12	13JUL04 12			1		108.075	13-Jul-(
13	13JUL04 13			1		126.838	13-Jul-(
14	13JUL04 14			1		126.972	13-Jul-(
15	13JUL04 15			1		126.876	13-Jul-(
16	13JUL04 16			1		138.126	13-Jul-(
17	13JUL04 17			1		137.894	13-Jul-(
18	13JUL04 18			1		108.164	13-Jul-(
19	13JUL04 19			1		108.738	13-Jul-(
20	13JUL04 20						
21	13JUL04 21						
22	13JUL04 22			1		145.790	13-Jul-(
23	13JUL04 23			1		127.044	13-Jul-(
24	13JUL04 24			1		126.673	13-Jul-(
25	13JUL04 25						
26	13JUL04 26			1		127.037	13-Jul-(
27	13JUL04 27			1		126.683	13-Jul-(
28	13JUL04 28			1		138.197	13-Jul-(
29	13JUL04 29			1		126.732	13-Jul-(
30	13JUL04 30			1		105.484	13-Jul-(

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JUL04A 01	RINSE	0.0040246	348	420539	2.745	13-Jul-04	11:01:01	22
2	13JUL04A 02	RINSE	0.0037878	316	423077	3.303	13-Jul-04	11:03:49	22
3	13JUL04A 03	RINSE	0.0023580	114	438005	5.272	13-Jul-04	11:07:34	22
4	13JUL04A 04	RINSE	0.0028579	189	439109	6.182	13-Jul-04	11:11:18	22
5	13JUL04A 05	0 STD	0.0023665	113	429365	5.617	13-Jul-04	11:15:02	22
6	13JUL04A 06	RL STD	0.0076448	910	441813	1.061	13-Jul-04	11:18:47	22
7	13JUL04A 07	LOW STD	0.99434	149531	442411	0.032	13-Jul-04	11:22:31	22
8	13JUL04A 08	MID STD	2.0093	300608	439643	0.019	13-Jul-04	11:26:16	22
9	13JUL04A 09	HIGH STD	9.9987	1598827	468459	0.010	13-Jul-04	11:30:01	22
10	13JUL04A 10	HIGH STD READBACK	9.9924	1607872	471408	0.008	13-Jul-04	11:33:47	22
11	13JUL04A 11	ICV	2.5237	396880	461984	0.016	13-Jul-04	11:37:33	22
12	13JUL04A 12	ICB	0.0041194	386	448949	5.305	13-Jul-04	11:46:19	22
13	13JUL04A 13	IDL1-1	0.0042884	419	456768	3.432	13-Jul-04	11:52:04	22
14	13JUL04A 14	IDL1-2	0.0038564	354	459573	3.462	13-Jul-04	11:55:50	22
15	13JUL04A 15	IDL1-3	0.0032104	251	456032	2.898	13-Jul-04	11:59:35	22
16	13JUL04A 16	IDL1-4	0.0030432	229	464048	2.294	13-Jul-04	12:03:20	22
17	13JUL04A 17	IDL1-5	0.0029295	209	459552	2.517	13-Jul-04	12:07:05	22
18	13JUL04A 18	IDL1-6	0.0030741	230	456347	3.070	13-Jul-04	12:10:51	22
19	13JUL04A 19	IDL1-7	0.0028518	196	457579	2.485	13-Jul-04	12:14:36	22
20	13JUL04A 20	CCV	2.0095	319141	466693	0.022	13-Jul-04	12:18:21	22
21	13JUL04A 21	CCB	0.0034569	289	455621	5.022	13-Jul-04	12:22:07	22
22	13JUL04A 22	CRI	0.0075046	916	455280	1.218	13-Jul-04	12:25:54	22
23	13JUL04A 23	ICSA	0.0021677	103	526832	6.185	13-Jul-04	12:29:41	22
24	13JUL04A 24	ICSAB	2.0831	384885	542933	0.017	13-Jul-04	12:33:26	22
25	13JUL04A 25	CCV	2.0326	337813	488373	0.023	13-Jul-04	12:44:32	22
26	13JUL04A 26	CCB	0.0046398	494	476411	5.299	13-Jul-04	12:47:20	22
27	13JUL04A 27	IP040706-2MB 10X	0.0027600	194	488523	8.250	13-Jul-04	12:51:08	22

U not a requested analyte

000653

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	13JUL04A 28	IP040706-2LCS 10X *	2.0489	377499	541419	0.016	13-Jul-04	12:54:55	22
29	13JUL04A 29	IP040706-2LCSD 10X	1.9868	363339	537408	0.015	13-Jul-04	12:58:40	22
30	13JUL04A 30	0406241-3 10X	1.1050	211488	562944	0.024	13-Jul-04	13:02:27	22
31	13JUL04A 31	0406241-3D 10X	1.1349	222613	576939	0.019	13-Jul-04	13:06:14	22
32	13JUL04A 32	0406241-3L 50X	0.22410	43608	575787	0.070	13-Jul-04	13:10:01	22
33	13JUL04A 33	0406241-3MS 10X	3.1405	607083	567701	0.012	13-Jul-04	13:13:48	22
34	13JUL04A 34	0406241-3MSD 10X	3.1100	610731	576725	0.013	13-Jul-04	13:17:36	22
35	13JUL04A 35	0406241-3A 10X	3.0779	625643	596971	0.010	13-Jul-04	13:21:24	22
36	13JUL04A 36	0406241-1 10X	0.98136	195253	585344	0.024	13-Jul-04	13:25:12	22
37	13JUL04A 37	CCV	2.0010	365296	536469	0.019	13-Jul-04	13:39:18	22
38	13JUL04A 38	CCB	0.0038399	398	520501	4.099	13-Jul-04	13:43:04	22
39	13JUL04A 39	0406241-2 10X *	1.0525	211541	591232	0.021	13-Jul-04	13:46:52	22
40	13JUL04A 40	0406241-4 10X	0.90197	185509	605184	0.026	13-Jul-04	13:50:39	22
41	13JUL04A 41	0406241-5 10X	1.3935	288848	609472	0.023	13-Jul-04	13:54:24	22
42	13JUL04A 42	0406241-6 10X	0.88368	181888	605675	0.024	13-Jul-04	13:58:10	22
43	13JUL04A 43	0406226-2 10X	1.0262	205333	588629	0.021	13-Jul-04	14:01:57	22
44	13JUL04A 44	0406226-3 10X	1.1121	221333	585365	0.020	13-Jul-04	14:05:43	22
45	13JUL04A 45	0406226-4 10X	0.99752	199792	589227	0.020	13-Jul-04	14:09:30	22
46	13JUL04A 46	0406226-5 10X	0.46523	93335	591381	0.047	13-Jul-04	14:13:18	22
47	13JUL04A 47	0406226-6 10X	1.0807	218773	595435	0.029	13-Jul-04	14:17:05	22
48	13JUL04A 48	0406226-7 10X	1.2484	256315	603755	0.019	13-Jul-04	14:20:53	22
49	13JUL04A 49	CCV	1.9112	357675	549995	0.016	13-Jul-04	14:43:07	22
50	13JUL04A 50	CCB	0.0031041	263	511467	5.329	13-Jul-04	14:45:55	22
51	13JUL04A 51	IP040706-2LCS 10X *	1.9612	369024	552960	0.016	13-Jul-04	14:49:42	22
52	13JUL04A 52	IP040706-2LCSD 10X	1.9798	371307	551147	0.016	13-Jul-04	15:05:14	22
53	13JUL04A 53	IP040709-2MB 10X	0.0039632	402	498384	2.886	13-Jul-04	15:08:02	22
54	13JUL04A 54	IP040709-3MB 10X	0.0046841	533	506667	2.737	13-Jul-04	15:11:49	22

*- U not a requested analyte

000654

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 12: 238U

#	File name	Sample ID		PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	13JUL04A 55	IP040709-4MB 10X		0.0092428	1331	511221	0.746	13-Jul-04	15:15:34	22
56	13JUL04A 56	IP040709-2LCS 10X		2.0182	377824	550123	0.016	13-Jul-04	15:19:20	22
57	13JUL04A 57	IP040709-3LCS 10X		2.0894	390837	549653	0.017	13-Jul-04	15:23:07	22
58	13JUL04A 58	IP040709-4LCSD 10X		2.0423	377285	542848	0.016	13-Jul-04	15:26:54	22
59	13JUL04A 59	CCV		2.0276	350773	508373	0.017	13-Jul-04	15:42:17	22
60	13JUL04A 60	CCB		0.0043455	460	491061	4.116	13-Jul-04	15:45:06	22
61	13JUL04A 61	0405096-10 10X	*	60.873	11752790	556949	0.003	13-Jul-04	15:48:53	22
62	13JUL04A 62	0405096-9 100X		8.2898	1612800	570283	0.008	13-Jul-04	15:52:41	22
63	13JUL04A 63	0405097-27 100X		45.988	8686934	547349	0.002	13-Jul-04	15:56:30	22
64	13JUL04A 64	0405096-30 1000X		8.0438	1413227	515040	0.011	13-Jul-04	16:00:18	22
65	13JUL04A 65	0405097-29 2000X		11.321	2025835	524043	0.006	13-Jul-04	16:04:07	22
66	13JUL04A 66	0405097-17 5000X		16.371	2832384	505840	0.005	13-Jul-04	16:07:56	22
67	13JUL04A 67	0405097-24 10000X		10.477	1832768	512389	0.007	13-Jul-04	16:11:43	22
68	13JUL04A 68	CCV		2.0595	364251	519728	0.029	13-Jul-04	16:15:29	22
69	13JUL04A 69	CCB		0.0047760	532	491109	3.482	13-Jul-04	16:24:53	22
70	13JUL04A 70	0405096-2 100X		0.28490	53877	558699	0.051	13-Jul-04	16:43:39	22
71	13JUL04A 71	0405096-3 100X	**	0.093678	17469	557355	0.114	13-Jul-04	16:47:23	22
72	13JUL04A 72	0405096-4 100X		0.49103	92071	552619	0.047	13-Jul-04	16:51:07	22
73	13JUL04A 73	0405096-5 100X		1.3504	257637	560960	0.023	13-Jul-04	16:54:52	22
74	13JUL04A 74	0405096-6 100X	**	0.055543	10169	553792	0.184	13-Jul-04	16:58:37	22
75	13JUL04A 75	0405096-1 10X		0.86398	156960	534613	0.027	13-Jul-04	17:02:22	22
76	13JUL04A 76	0405096-1D 10X		0.79280	149323	554368	0.030	13-Jul-04	17:06:09	22
77	13JUL04A 77	0405096-1L 50X		0.15039	28041	553664	0.093	13-Jul-04	17:09:56	22
78	13JUL04A 78	0405096-1MS 10X		2.9095	524203	529179	0.014	13-Jul-04	17:13:42	22
79	13JUL04A 79	0405096-1MSD 10X		2.9404	525829	525237	0.018	13-Jul-04	17:17:29	22
80	13JUL04A 80	CCV		2.0699	353835	502315	0.025	13-Jul-04	17:21:18	22
81	13JUL04A 81	CCB		0.0049699	552	480304	3.163	13-Jul-04	17:25:06	22

*- do not use - screening purposes only
**- do not use - will be reanalyzed at 10X in a later sequence.

000655

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
82	13JUL04A 82	0405096-8 100X *	36.296	6566144	525733	0.003	13-Jul-04	17:28:52	22
83	13JUL04A 83	0405096-10 100X	7.0354	1255211	523195	0.008	13-Jul-04	17:32:39	22
84	13JUL04A 84	0405096-11 100X	0.21893	37460	506368	0.095	13-Jul-04	17:36:27	22
85	13JUL04A 85	0405096-12 100X	0.26525	44003	490315	0.073	13-Jul-04	17:40:13	22
86	13JUL04A 86	0405096-13 100X	0.23795	41227	512437	0.066	13-Jul-04	17:43:58	22
87	13JUL04A 87	0405096-14 100X	0.18255	31132	505435	0.102	13-Jul-04	17:47:43	22
88	13JUL04A 88	0405096-15 100X	1.2794	221029	508032	0.023	13-Jul-04	17:51:28	22
89	13JUL04A 89	0405096-16 100X	0.24845	43515	517883	0.065	13-Jul-04	17:55:14	22
90	13JUL04A 90	0405096-17 100X	0.78503	139813	524213	0.030	13-Jul-04	17:59:01	22
91	13JUL04A 91	0405096-19 100X	2.3136	395883	502725	0.018	13-Jul-04	18:02:47	22
92	13JUL04A 92	CCV	2.0782	331909	469307	0.020	13-Jul-04	18:06:34	22
93	13JUL04A 93	CCB	0.0041211	402	467243	4.087	13-Jul-04	18:10:21	22
94	13JUL04A 94	0405096-20 100X	1.9381	338987	514005	0.020	13-Jul-04	18:14:07	22
95	13JUL04A 95	0405096-25 100X	6.9037	1209941	513968	0.009	13-Jul-04	18:17:54	22
96	13JUL04A 96	0405097-5 100X	0.70081	115213	484016	0.042	13-Jul-04	18:21:42	22
97	13JUL04A 97	0405097-6 100X	0.42118	67573	473104	0.054	13-Jul-04	18:25:31	22
98	13JUL04A 98	0405097-7 100X	1.8885	301019	468453	0.019	13-Jul-04	18:29:20	22
99	13JUL04A 99	0405097-8 100X	0.45700	73040	471157	0.053	13-Jul-04	18:33:07	22
100	13JUL04A 100	0405097-9 100X **	0.40662	65808	477312	0.040	13-Jul-04	18:36:52	22
101	13JUL04A 101	0405097-9D 100X	0.36194	57047	465077	0.051	13-Jul-04	18:40:37	22
102	13JUL04A 102	0405097-9L 500X	0.056856	8795	467589	0.219	13-Jul-04	18:44:23	22
103	13JUL04A 103	0405097-9MS 100X	0.62185	102077	483435	0.034	13-Jul-04	18:48:10	22
104	13JUL04A 104	CCV	2.0764	335301	474512	0.019	13-Jul-04	18:51:56	22
105	13JUL04A 105	CCB	0.0034590	294	462992	4.826	13-Jul-04	18:55:42	22
106	13JUL04A 106	0405097-9MSD 100X **	0.73537	117572	470661	0.028	13-Jul-04	18:59:28	22
107	13JUL04A 107	0405097-10 100X	0.10989	16892	458283	0.144	13-Jul-04	19:03:14	22
108	13JUL04A 108	0405097-11 100X	0.14367	22358	462320	0.112	13-Jul-04	19:07:01	22

*- do not use-over the linear range
- diluted 1,000X in a later sequence.

**- do not use-will be analyzed at 10X in
a later sequence.

000656

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
109	13JUL04A 109	0405097-12 100X	0.47846	75411	464560	0.046	13-Jul-04	19:10:49	22
110	13JUL04A 110	0405097-14 100X *	0.027650	4420	498384	0.328	13-Jul-04	19:14:38	22
111	13JUL04A 111	0405097-15 100X	0.046760	7642	497099	0.180	13-Jul-04	19:18:26	22
112	13JUL04A 112	0405097-16 100X	0.029060	4521	483595	0.358	13-Jul-04	19:22:15	22
113	13JUL04A 113	CCV	2.0755	319403	452203	0.017	13-Jul-04	19:26:02	22
114	13JUL04A 114	CCB	0.0033788	271	445931	3.807	13-Jul-04	19:29:47	22
115	13JUL04A 115	RINSE							

*- do not use - will be analyzed at 10X in a later sequence.

000657

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 15: 121Sb

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JUL04A 01	RINSE	0.0046085	160	1026837	2.899	13-Jul-04	11:01:01	1
2	13JUL04A 02	RINSE	0.0050442	173	1039403	2.897	13-Jul-04	11:03:49	1
3	13JUL04A 03	RINSE	0.0045737	166	1071168	2.899	13-Jul-04	11:07:34	1
4	13JUL04A 04	RINSE	0.0041482	155	1071957	3.481	13-Jul-04	11:11:18	1
5	13JUL04A 05	0 STD	0.0051320	177	1049941	3.055	13-Jul-04	11:15:02	1
6	13JUL04A 06	RL STD	0.025603	716	1072213	1.017	13-Jul-04	11:18:47	1
7	13JUL04A 07	LOW STD	0.94111	24900	1072640	0.080	13-Jul-04	11:22:31	1
8	13JUL04A 08	MID STD	2.0701	55332	1072107	0.048	13-Jul-04	11:26:16	1
9	13JUL04A 09	HIGH STD	9.9929	306064	1136341	0.024	13-Jul-04	11:30:01	1
10	13JUL04A 10	HIGH STD READBACK	9.9286	306629	1146517	0.023	13-Jul-04	11:33:47	1
11	13JUL04A 11	ICV	2.6447	74793	1127829	0.044	13-Jul-04	11:37:33	1
12	13JUL04A 12	ICB	0.0076382	251	1092800	2.849	13-Jul-04	11:46:19	1
13	13JUL04A 13	IDL1-1	0.018747	555	1108715	1.638	13-Jul-04	11:52:04	1
14	13JUL04A 14	IDL1-2	0.018839	564	1121707	1.238	13-Jul-04	11:55:50	1
15	13JUL04A 15	IDL1-3	0.018799	560	1115904	1.192	13-Jul-04	11:59:35	1
16	13JUL04A 16	IDL1-4	0.018475	560	1133739	1.248	13-Jul-04	12:03:20	1
17	13JUL04A 17	IDL1-5	0.017879	537	1120128	1.189	13-Jul-04	12:07:05	1
18	13JUL04A 18	IDL1-6	0.018550	555	1119488	0.969	13-Jul-04	12:10:51	1
19	13JUL04A 19	IDL1-7	0.019952	593	1118955	1.126	13-Jul-04	12:14:36	1
20	13JUL04A 20	CCV	2.1091	59993	1140459	0.054	13-Jul-04	12:18:21	1
21	13JUL04A 21	CCB	0.0077046	258	1115413	3.024	13-Jul-04	12:22:07	1
22	13JUL04A 22	CRI	0.027066	776	1103083	0.972	13-Jul-04	12:25:54	1
23	13JUL04A 23	ICSA	0.074695	2358	1263787	0.509	13-Jul-04	12:29:41	1
24	13JUL04A 24	ICSAB	2.2658	74689	1319573	0.047	13-Jul-04	12:33:26	1
25	13JUL04A 25	CCV	2.1486	64000	1193835	0.057	13-Jul-04	12:44:32	1
26	13JUL04A 26	CCB	0.0081394	282	1165739	3.376	13-Jul-04	12:47:20	1
27	13JUL04A 27	IP040706-2MB 10X	0.0024769	120	1155499	4.117	13-Jul-04	12:51:08	1

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 15: 121Sb

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	13JUL04A 28	IP040706-2LCS 10X *	2.1740	70569	1300608	0.065	13-Jul-04	12:54:55	1
29	13JUL04A 29	IP040706-2LCSD 10X ↓	2.1223	67924	1283072	0.039	13-Jul-04	12:58:40	1
30	13JUL04A 30	0406241-3 10X	0.053137	1810	1351189	0.812	13-Jul-04	13:02:27	1
31	13JUL04A 31	0406241-3D 10X	0.043831	1559	1401365	0.606	13-Jul-04	13:06:14	1
32	13JUL04A 32	0406241-3L 50X	0.013047	518	1432640	1.467	13-Jul-04	13:10:01	1
33	13JUL04A 33	0406241-3MS 10X	0.26221	8873	1374976	0.215	13-Jul-04	13:13:48	1
34	13JUL04A 34	0406241-3MSD 10X	0.27161	9335	1396672	0.205	13-Jul-04	13:17:36	1
35	13JUL04A 35	0406241-3A 10X	2.3490	84663	1441664	0.042	13-Jul-04	13:21:24	1
36	13JUL04A 36	0406241-1 10X	0.037310	1356	1422315	0.695	13-Jul-04	13:25:12	1
37	13JUL04A 37	CCV	2.1714	71799	1324928	0.044	13-Jul-04	13:39:18	1
38	13JUL04A 38	CCB	0.0086865	326	1277205	2.627	13-Jul-04	13:43:04	1
39	13JUL04A 39	0406241-2 10X	0.053132	1917	1431189	0.450	13-Jul-04	13:46:52	1
40	13JUL04A 40	0406241-4 10X	0.050486	1874	1469952	0.645	13-Jul-04	13:50:39	1
41	13JUL04A 41	0406241-5 10X	0.067378	2510	1487680	0.470	13-Jul-04	13:54:24	1
42	13JUL04A 42	0406241-6 10X	0.034507	1302	1471189	0.813	13-Jul-04	13:58:10	1
43	13JUL04A 43	0406226-2 10X	0.056243	2014	1422933	0.457	13-Jul-04	14:01:57	1
44	13JUL04A 44	0406226-3 10X	0.048823	1737	1407275	0.617	13-Jul-04	14:05:43	1
45	13JUL04A 45	0406226-4 10X	0.031135	1140	1420181	0.866	13-Jul-04	14:09:30	1
46	13JUL04A 46	0406226-5 10X	0.025169	928	1412053	0.906	13-Jul-04	14:13:18	1
47	13JUL04A 47	0406226-6 10X	0.041333	1511	1436971	0.660	13-Jul-04	14:17:05	1
48	13JUL04A 48	0406226-7 10X	0.033492	1263	1468224	0.860	13-Jul-04	14:20:53	1
49	13JUL04A 49	CCV	2.0851	71187	1369195	0.044	13-Jul-04	14:43:07	1
50	13JUL04A 50	CCB	0.0071270	275	1265984	2.163	13-Jul-04	14:45:55	1
51	13JUL04A 51	IP040706-2LCS 10X	2.1635	71117	1317205	0.047	13-Jul-04	14:49:42	1
52	13JUL04A 52	IP040706-2LCSD 10X	2.1482	69961	1305237	0.047	13-Jul-04	15:05:14	1
53	13JUL04A 53	IP040709-2MB 10X **	0.0040783	168	1175723	4.868	13-Jul-04	15:08:02	1
54	13JUL04A 54	IP040709-3MB 10X ↓	0.0032212	147	1204971	3.897	13-Jul-04	15:11:49	1

*- do not use, wrong diluent used - reanalyzed later
**- Sb not a requested analyte

000659

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 15: 121Sb

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	13JUL04A 55	IP040709-4MB 10X **	0.0028542	137	1211861	3.399	13-Jul-04	15:15:34	1
56	13JUL04A 56	IP040709-2LCS 10X	2.2282	72811	1308629	0.046	13-Jul-04	15:19:20	1
57	13JUL04A 57	IP040709-3LCS 10X	2.2101	72583	1315435	0.040	13-Jul-04	15:23:07	1
58	13JUL04A 58	IP040709-4LCSD 10X	2.1283	69329	1305813	0.042	13-Jul-04	15:26:54	1
59	13JUL04A 59	CCV REM 7-14-04	2.1184	65853	1246272	0.042	13-Jul-04	15:42:17	1
60	13JUL04A 60	CCB	0.0080186	286	1196843	2.317	13-Jul-04	15:45:06	1
61	13JUL04A 61	0405096-10 10X **	0.039352	1781	1775317	0.615	13-Jul-04	15:48:53	1
62	13JUL04A 62	0405096-9 100X	0.018068	689	1423509	1.133	13-Jul-04	15:52:41	1
63	13JUL04A 63	0405097-27 100X	0.0088054	348	1348075	1.869	13-Jul-04	15:56:30	1
64	13JUL04A 64	0405096-30 1000X	0.0048680	206	1270464	3.121	13-Jul-04	16:00:18	1
65	13JUL04A 65	0405097-29 2000X	0.0062555	251	1280789	2.164	13-Jul-04	16:04:07	1
66	13JUL04A 66	0405097-17 5000X	0.0054531	218	1235755	3.111	13-Jul-04	16:07:56	1
67	13JUL04A 67	0405097-24 10000X	0.0051033	210	1250880	2.302	13-Jul-04	16:11:43	1
68	13JUL04A 68	CCV	2.1040	66759	1272235	0.046	13-Jul-04	16:15:29	1
69	13JUL04A 69	CCB	0.0059167	225	1198635	2.758	13-Jul-04	16:24:53	1
70	13JUL04A 70	0405096-2 100X **	0.011047	439	1403413	1.347	13-Jul-04	16:43:39	1
71	13JUL04A 71	0405096-3 100X	0.010570	423	1404480	1.610	13-Jul-04	16:47:23	1
72	13JUL04A 72	0405096-4 100X	0.011302	437	1369771	1.586	13-Jul-04	16:51:07	1
73	13JUL04A 73	0405096-5 100X	0.013204	514	1406720	1.526	13-Jul-04	16:54:52	1
74	13JUL04A 74	0405096-6 100X	0.0066699	285	1382976	2.371	13-Jul-04	16:58:37	1
75	13JUL04A 75	0405096-1 10X	0.033027	1315	1549077	0.718	13-Jul-04	17:02:22	1
76	13JUL04A 76	0405096-1D 10X	0.029198	1183	1565909	0.786	13-Jul-04	17:06:09	1
77	13JUL04A 77	0405096-1L 50X	0.011484	462	1428352	1.418	13-Jul-04	17:09:56	1
78	13JUL04A 78	0405096-1MS 10X	0.96336	35683	1501355	0.056	13-Jul-04	17:13:42	1
79	13JUL04A 79	0405096-1MSD 10X	0.95772	35337	1495637	0.124	13-Jul-04	17:17:29	1
80	13JUL04A 80	CCV	2.0114	60464	1206443	0.061	13-Jul-04	17:21:18	1
81	13JUL04A 81	CCB	0.0057543	211	1148267	2.478	13-Jul-04	17:25:06	1

** - U only

099000

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 15: 121Sb

U only

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
82	13JUL04A 82	0405096-8 100X	0.011302	421	1319637	1.338	13-Jul-04	17:28:52	1
83	13JUL04A 83	0405096-10 100X	0.0072680	290	1314240	2.076	13-Jul-04	17:32:39	1
84	13JUL04A 84	0405096-11 100X	0.011386	398	1239637	1.454	13-Jul-04	17:36:27	1
85	13JUL04A 85	0405096-12 100X	0.012471	417	1199893	1.435	13-Jul-04	17:40:13	1
86	13JUL04A 86	0405096-13 100X	0.0069159	269	1268416	2.225	13-Jul-04	17:43:58	1
87	13JUL04A 87	0405096-14 100X	0.010099	360	1242709	1.480	13-Jul-04	17:47:43	1
88	13JUL04A 88	0405096-15 100X	0.010205	367	1255637	1.647	13-Jul-04	17:51:28	1
89	13JUL04A 89	0405096-16 100X	0.0095108	354	1285653	2.227	13-Jul-04	17:55:14	1
90	13JUL04A 90	0405096-17 100X	0.012105	443	1308331	1.286	13-Jul-04	17:59:01	1
91	13JUL04A 91	0405096-19 100X	0.010415	374	1257579	1.525	13-Jul-04	18:02:47	1
92	13JUL04A 92	CCV	2.0796	58256	1123499	0.047	13-Jul-04	18:06:34	1
93	13JUL04A 93	CCB	0.0062296	218	1115989	2.942	13-Jul-04	18:10:21	1
94	13JUL04A 94	0405096-20 100X	0.011448	411	1274069	1.381	13-Jul-04	18:14:07	1
95	13JUL04A 95	0405096-25 100X	0.010025	368	1278251	1.659	13-Jul-04	18:17:54	1
96	13JUL04A 96	0405097-5 100X	0.0082210	286	1172629	2.215	13-Jul-04	18:21:42	1
97	13JUL04A 97	0405097-6 100X	0.0059642	216	1143637	2.606	13-Jul-04	18:25:31	1
98	13JUL04A 98	0405097-7 100X	0.0049023	184	1128960	2.783	13-Jul-04	18:29:20	1
99	13JUL04A 99	0405097-8 100X	0.0062743	221	1125077	2.405	13-Jul-04	18:33:07	1
100	13JUL04A 100	0405097-9 100X	0.0073802	258	1154901	2.505	13-Jul-04	18:36:52	1
101	13JUL04A 101	0405097-9D 100X	0.0074921	253	1118848	2.126	13-Jul-04	18:40:37	1
102	13JUL04A 102	0405097-9L 500X	0.0044613	170	1116736	2.711	13-Jul-04	18:44:23	1
103	13JUL04A 103	0405097-9MS 100X	0.14163	4078	1164736	0.283	13-Jul-04	18:48:10	1
104	13JUL04A 104	CCV	2.0864	59275	1139328	0.054	13-Jul-04	18:51:56	1
105	13JUL04A 105	CCB	0.0051879	188	1106240	3.780	13-Jul-04	18:55:42	1
106	13JUL04A 106	0405097-9MSD 100X	0.14080	3956	1136448	0.347	13-Jul-04	18:59:28	1
107	13JUL04A 107	0405097-10 100X	0.0068478	233	1107328	2.794	13-Jul-04	19:03:14	1
108	13JUL04A 108	0405097-11 100X	0.0070184	239	1113835	2.584	13-Jul-04	19:07:01	1

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 15: 121Sb

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
109	13JUL04A 109	0405097-12 100X	0.0080358	269	1123733	1.998	13-Jul-04	19:10:49	1
110	13JUL04A 110	0405097-14 100X	0.0045729	186	1200384	3.178	13-Jul-04	19:14:38	1
111	13JUL04A 111	0405097-15 100X	0.0051675	203	1198016	2.764	13-Jul-04	19:18:26	1
112	13JUL04A 112	0405097-16 100X	0.0052078	199	1167637	3.166	13-Jul-04	19:22:15	1
113	13JUL04A 113	CCV	2.0551	55529	1083904	0.053	13-Jul-04	19:26:02	1
114	13JUL04A 114	CCB	0.0063656	211	1062123	3.809	13-Jul-04	19:29:47	1
115	13JUL04A 115	RINSE							

U only

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 18: 205Tl

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JUL04A 01	RINSE	0.0021470	2056	899968	0.679	13-Jul-04	11:01:01	11
2	13JUL04A 02	RINSE	0	1957	916267	0.499	13-Jul-04	11:03:49	11
3	13JUL04A 03	RINSE	0	1932	947072	0.559	13-Jul-04	11:07:34	11
4	13JUL04A 04	RINSE	0	1898	953429	0.614	13-Jul-04	11:11:18	11
5	13JUL04A 05	0 STD	0	1968	935232	0.506	13-Jul-04	11:15:02	11
6	13JUL04A 06	RL STD	0.021182	3123	947968	0.373	13-Jul-04	11:18:47	11
7	13JUL04A 07	LOW STD	0.051915	4762	952043	0.308	13-Jul-04	11:22:31	11
8	13JUL04A 08	MID STD	0.096774	7322	955285	0.243	13-Jul-04	11:26:16	11
9	13JUL04A 09	HIGH STD	0.50026	41167	1011115	0.074	13-Jul-04	11:30:01	11
10	13JUL04A 10	HIGH STD READBACK	0.50149	41876	1025365	0.048	13-Jul-04	11:33:47	11
11	13JUL04A 11	ICV	0.12268	9235	993557	0.187	13-Jul-04	11:37:33	11
12	13JUL04A 12	ICB	0	1677	969429	0.638	13-Jul-04	11:46:19	11
13	13JUL04A 13	IDL1-1	0	1893	983083	0.516	13-Jul-04	11:52:04	11
14	13JUL04A 14	IDL1-2	0	1890	992405	0.689	13-Jul-04	11:55:50	11
15	13JUL04A 15	IDL1-3	0	1895	985920	0.534	13-Jul-04	11:59:35	11
16	13JUL04A 16	IDL1-4	0	1877	1002197	0.521	13-Jul-04	12:03:20	11
17	13JUL04A 17	IDL1-5	0	1866	993685	0.517	13-Jul-04	12:07:05	11
18	13JUL04A 18	IDL1-6	0	1995	993877	0.568	13-Jul-04	12:10:51	11
19	13JUL04A 19	IDL1-7	9.0841e-5	2151	987776	0.492	13-Jul-04	12:14:36	11
20	13JUL04A 20	CCV	0.094238	7595	1011477	0.161	13-Jul-04	12:18:21	11
21	13JUL04A 21	CCB	0	1829	991147	0.551	13-Jul-04	12:22:07	11
22	13JUL04A 22	CRI	0.0086556	2583	983723	0.358	13-Jul-04	12:25:54	11
23	13JUL04A 23	ICSA	0	1928	1059179	0.562	13-Jul-04	12:29:41	11
24	13JUL04A 24	ICSAB	0.074846	6940	1095019	0.262	13-Jul-04	12:33:26	11
25	13JUL04A 25	CCV	0.091014	7786	1064896	0.181	13-Jul-04	12:44:32	11
26	13JUL04A 26	CCB	0	1790	1040043	0.650	13-Jul-04	12:47:20	11
27	13JUL04A 27	IP040706-2MB 10X	0	810	1049941	0.883	13-Jul-04	12:51:08	11

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 18: 205Tl

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	13JUL04A 28	IP040706-2LCS 10X *	0.070481	6941	1141717	0.211	13-Jul-04	12:54:55	11
29	13JUL04A 29	IP040706-2LCSD 10X ↓	0.070303	6911	1138752	0.177	13-Jul-04	12:58:40	11
30	13JUL04A 30	0406241-3 10X	0.17925	15943	1218048	0.179	13-Jul-04	13:02:27	11
31	13JUL04A 31	0406241-3D 10X	0.15688	14312	1239104	0.193	13-Jul-04	13:06:14	11
32	13JUL04A 32	0406241-3L 50X	0.027182	4516	1247424	0.283	13-Jul-04	13:10:01	11
33	13JUL04A 33	0406241-3MS 10X	0.27003	23932	1205653	0.124	13-Jul-04	13:13:48	11
34	13JUL04A 34	0406241-3MSD 10X	0.27805	25047	1222571	0.120	13-Jul-04	13:17:36	11
35	13JUL04A 35	0406241-3A 10X	0.27053	25349	1274496	0.103	13-Jul-04	13:21:24	11
36	13JUL04A 36	0406241-1 10X	0.23141	21143	1253099	0.131	13-Jul-04	13:25:12	11
37	13JUL04A 37	CCV	0.096502	8893	1162795	0.144	13-Jul-04	13:39:18	11
38	13JUL04A 38	CCB	0	1889	1115669	0.469	13-Jul-04	13:43:04	11
39	13JUL04A 39	0406241-2 10X	0.16952	15722	1266539	0.164	13-Jul-04	13:46:52	11
40	13JUL04A 40	0406241-4 10X	0.17918	16934	1294293	0.169	13-Jul-04	13:50:39	11
41	13JUL04A 41	0406241-5 10X	0.079908	8648	1302443	0.208	13-Jul-04	13:54:24	11
42	13JUL04A 42	0406241-6 10X	0.21270	20104	1298432	0.130	13-Jul-04	13:58:10	11
43	13JUL04A 43	0406226-2 10X	0.14112	13228	1260309	0.144	13-Jul-04	14:01:57	11
44	13JUL04A 44	0406226-3 10X	0.15247	14042	1247915	0.154	13-Jul-04	14:05:43	11
45	13JUL04A 45	0406226-4 10X	0.12273	11739	1262549	0.152	13-Jul-04	14:09:30	11
46	13JUL04A 46	0406226-5 10X	0.023296	4348	1275520	0.278	13-Jul-04	14:13:18	11
47	13JUL04A 47	0406226-6 10X	0.11944	11546	1270592	0.161	13-Jul-04	14:17:05	11
48	13JUL04A 48	0406226-7 10X	0.18658	17622	1295381	0.160	13-Jul-04	14:20:53	11
49	13JUL04A 49	CCV	0.093937	8905	1188864	0.202	13-Jul-04	14:43:07	11
50	13JUL04A 50	CCB	0	1563	1104747	0.665	13-Jul-04	14:45:55	11
51	13JUL04A 51	IP040706-2LCS 10X	0.084565	8097	1170091	0.218	13-Jul-04	14:49:42	11
52	13JUL04A 52	IP040706-2LCSD 10X	0.085053	8135	1170603	0.190	13-Jul-04	15:05:14	11
53	13JUL04A 53	IP040709-2MB 10X Uoqly	0	748	1083179	0.880	13-Jul-04	15:08:02	11
54	13JUL04A 54	IP040709-3MB 10X ↓	0	796	1110144	0.667	13-Jul-04	15:11:49	11

*- do not use - wrong diluent used - reanalyzed later.

000664

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 18: 205Tl

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	13JUL04A 55	IP040709-4MB 10X	0	794	1118101	0.702	13-Jul-04	15:15:34	11
56	13JUL04A 56	IP040709-2LCS 10X	0.061556	6706	1206741	0.296	13-Jul-04	15:19:20	11
57	13JUL04A 57	IP040709-3LCS 10X	0.050199	5913	1205739	0.240	13-Jul-04	15:23:07	11
58	13JUL04A 58	IP040709-4LCSD 10X	0.046875	5640	1196096	0.252	13-Jul-04	15:26:54	11
59	13JUL04A 59	CCV	0.096317	8581	1123669	0.139	13-Jul-04	15:42:17	11
60	13JUL04A 60	CCB	0	1089	1078485	0.888	13-Jul-04	15:45:06	11
61	13JUL04A 61	0405096-10 10X	0.010879	3155	1150080	0.392	13-Jul-04	15:48:53	11
62	13JUL04A 62	0405096-9 100X	0	1700	1246357	0.610	13-Jul-04	15:52:41	11
63	13JUL04A 63	0405097-27 100X	0	1241	1212416	0.618	13-Jul-04	15:56:30	11
64	13JUL04A 64	0405096-30 1000X	0	865	1131136	0.794	13-Jul-04	16:00:18	11
65	13JUL04A 65	0405097-29 2000X	0	963	1160235	0.921	13-Jul-04	16:04:07	11
66	13JUL04A 66	0405097-17 5000X	0	966	1113600	0.741	13-Jul-04	16:07:56	11
67	13JUL04A 67	0405097-24 10000X	0	940	1124843	1.043	13-Jul-04	16:11:43	11
68	13JUL04A 68	CCV	0.092830	8454	1138965	0.142	13-Jul-04	16:15:29	11
69	13JUL04A 69	CCB	0	841	1075968	0.641	13-Jul-04	16:24:53	11
70	13JUL04A 70	0405096-2 100X	0	1316	1229525	0.736	13-Jul-04	16:43:39	11
71	13JUL04A 71	0405096-3 100X	0	1516	1229483	0.529	13-Jul-04	16:47:23	11
72	13JUL04A 72	0405096-4 100X	0	1154	1216341	0.685	13-Jul-04	16:51:07	11
73	13JUL04A 73	0405096-5 100X	0	1198	1220459	0.700	13-Jul-04	16:54:52	11
74	13JUL04A 74	0405096-6 100X	0	946	1208149	0.908	13-Jul-04	16:58:37	11
75	13JUL04A 75	0405096-1 10X	0	942	1037632	0.719	13-Jul-04	17:02:22	11
76	13JUL04A 76	0405096-1D 10X	0	960	1084715	0.897	13-Jul-04	17:06:09	11
77	13JUL04A 77	0405096-1L 50X	0	955	1171456	1.000	13-Jul-04	17:09:56	11
78	13JUL04A 78	0405096-1MS 10X	0.065762	6080	1047872	0.282	13-Jul-04	17:13:42	11
79	13JUL04A 79	0405096-1MSD 10X	0.065079	6047	1049408	0.256	13-Jul-04	17:17:29	11
80	13JUL04A 80	CCV	0.053442	5676	1115307	0.279	13-Jul-04	17:21:18	11
81	13JUL04A 81	CCB	0	811	1057579	0.773	13-Jul-04	17:25:06	11

Only

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

Printed: Wed Jul 14 09:16:35 2004

Compound 18: 205Tl

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
82	13JUL04A 82	0405096-8 100X	0	885	1145749	0.710	13-Jul-04	17:28:52	11
83	13JUL04A 83	0405096-10 100X	0	823	1157248	0.783	13-Jul-04	17:32:39	11
84	13JUL04A 84	0405096-11 100X	0	881	1123797	0.823	13-Jul-04	17:36:27	11
85	13JUL04A 85	0405096-12 100X	0	810	1088427	0.852	13-Jul-04	17:40:13	11
86	13JUL04A 86	0405096-13 100X	0	1099	1139413	0.745	13-Jul-04	17:43:58	11
87	13JUL04A 87	0405096-14 100X	0	971	1120811	0.910	13-Jul-04	17:47:43	11
88	13JUL04A 88	0405096-15 100X	0	1089	1128171	0.982	13-Jul-04	17:51:28	11
89	13JUL04A 89	0405096-16 100X	0	980	1147179	0.979	13-Jul-04	17:55:14	11
90	13JUL04A 90	0405096-17 100X	0	1238	1159189	0.768	13-Jul-04	17:59:01	11
91	13JUL04A 91	0405096-19 100X	0	1107	1115520	0.689	13-Jul-04	18:02:47	11
92	13JUL04A 92	CCV	0.065351	5991	1036821	0.187	13-Jul-04	18:06:34	11
93	13JUL04A 93	CCB	0	763	1035691	1.021	13-Jul-04	18:10:21	11
94	13JUL04A 94	0405096-20 100X	0	1066	1135787	0.828	13-Jul-04	18:14:07	11
95	13JUL04A 95	0405096-25 100X	0	829	1137664	0.874	13-Jul-04	18:17:54	11
96	13JUL04A 96	0405097-5 100X	0	800	1080064	0.740	13-Jul-04	18:21:42	11
97	13JUL04A 97	0405097-6 100X	0	803	1058965	0.703	13-Jul-04	18:25:31	11
98	13JUL04A 98	0405097-7 100X	0	789	1039189	0.781	13-Jul-04	18:29:20	11
99	13JUL04A 99	0405097-8 100X	0	744	1043883	1.021	13-Jul-04	18:33:07	11
100	13JUL04A 100	0405097-9 100X	0	1059	1063040	0.764	13-Jul-04	18:36:52	11
101	13JUL04A 101	0405097-9D 100X	0	1044	1034432	0.883	13-Jul-04	18:40:37	11
102	13JUL04A 102	0405097-9L 500X	0	762	1032213	0.981	13-Jul-04	18:44:23	11
103	13JUL04A 103	0405097-9MS 100X	0	1591	1077056	0.613	13-Jul-04	18:48:10	11
104	13JUL04A 104	CCV	0.062488	5917	1054485	0.252	13-Jul-04	18:51:56	11
105	13JUL04A 105	CCB	0	705	1025365	1.206	13-Jul-04	18:55:42	11
106	13JUL04A 106	0405097-9MSD 100X	0	1523	1047083	0.635	13-Jul-04	18:59:28	11
107	13JUL04A 107	0405097-10 100X	0	713	1020693	0.909	13-Jul-04	19:03:14	11
108	13JUL04A 108	0405097-11 100X	0	1014	1030379	0.936	13-Jul-04	19:07:01	11

Uonly

999000

Quantify Compound Summary Report
13JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\13JUL04A
Last modified: Tue Jul 13 16:43:21 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
Last modified: Wed Jul 14 09:14:48 2004
Job Code:

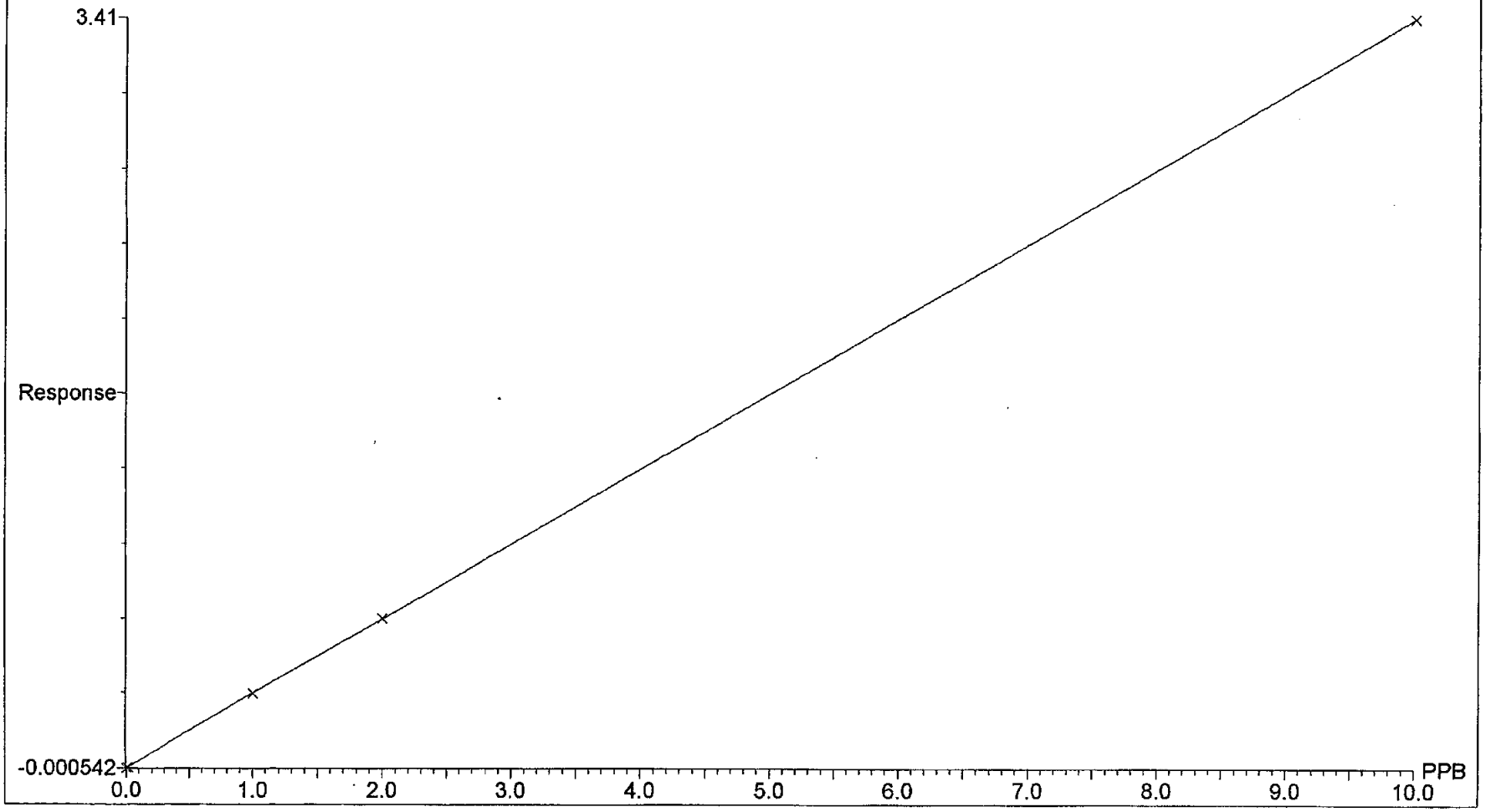
Printed: Wed Jul 14 09:16:35 2004

Compound 18: 205Tl

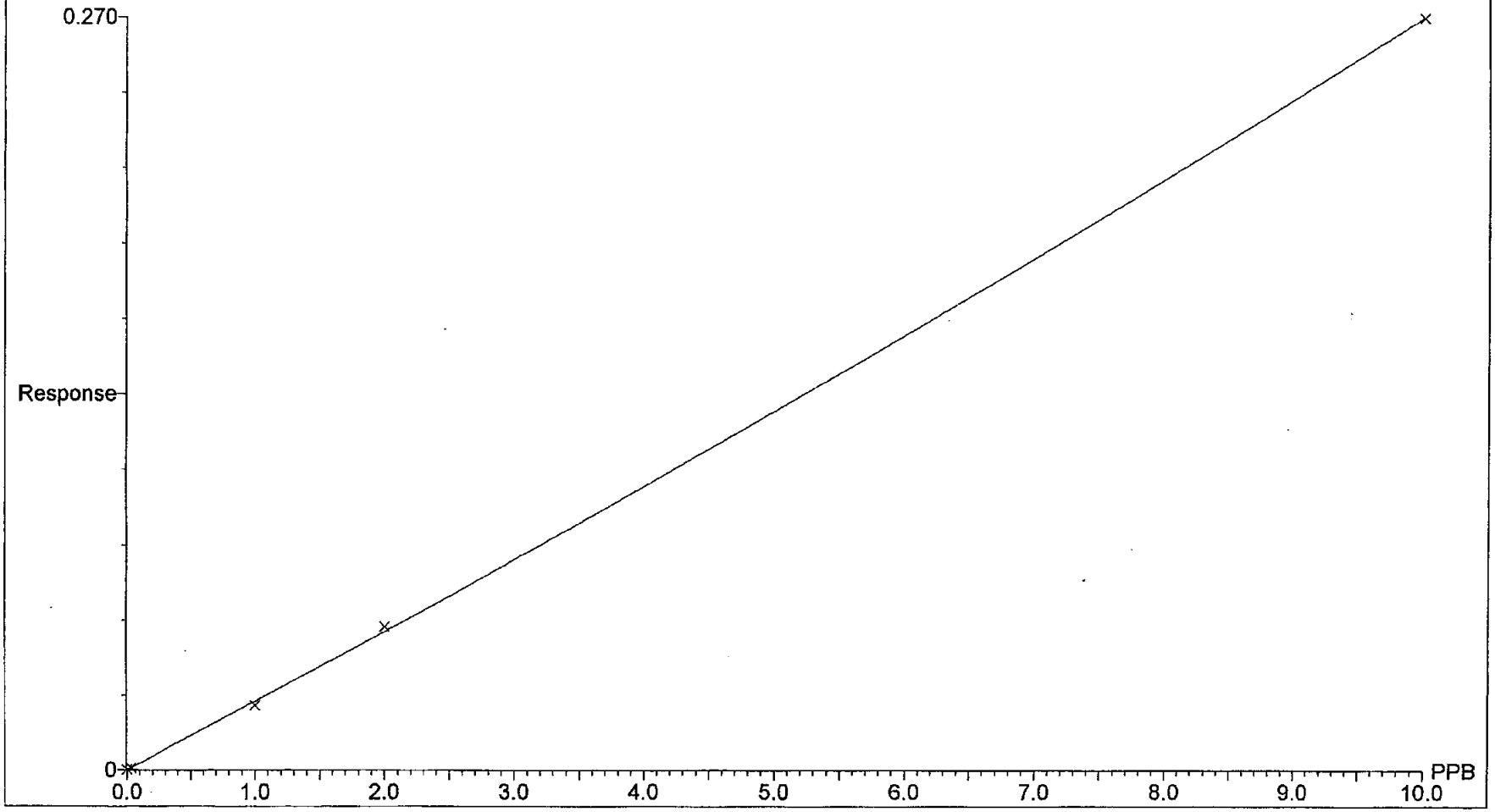
#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
109	13JUL04A 109	0405097-12 100X	0	783	1043584	0.676	13-Jul-04	19:10:49	11
110	13JUL04A 110	0405097-14 100X	0	752	1111488	0.719	13-Jul-04	19:14:38	11
111	13JUL04A 111	0405097-15 100X	0	747	1101696	0.991	13-Jul-04	19:18:26	11
112	13JUL04A 112	0405097-16 100X	0	764	1072597	0.975	13-Jul-04	19:22:15	11
113	13JUL04A 113	CCV	0.060891	5521	1000448	0.272	13-Jul-04	19:26:02	11
114	13JUL04A 114	CCB	0	644	989035	1.076	13-Jul-04	19:29:47	11
115	13JUL04A 115	RINSE							

clonly

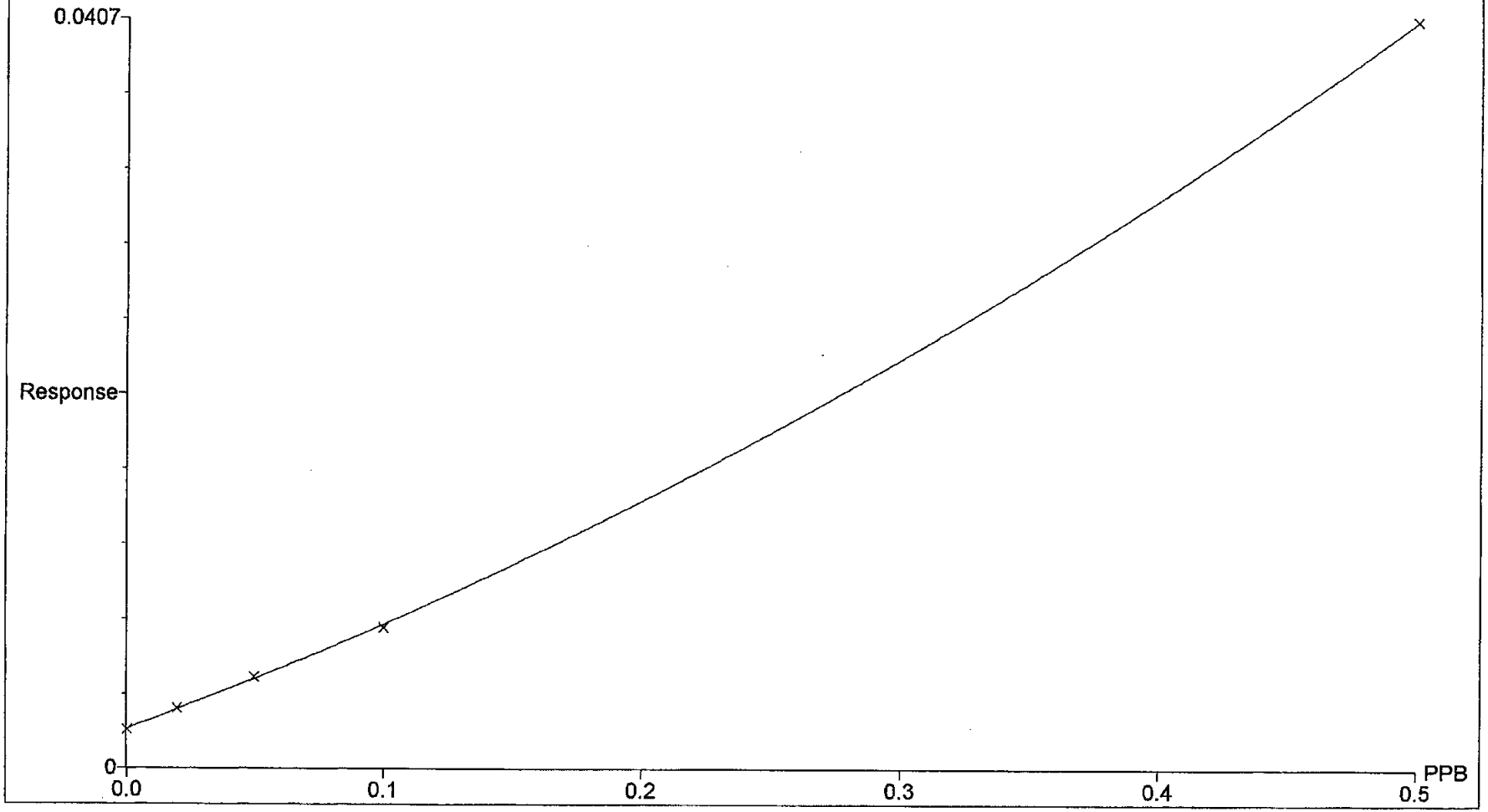
Compound 12 name: 238U
Coefficient of Determination: 0.999998
Calibration curve: 0.000103642 * x^2 + 0.340357 * x + -0.000542285
Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Compound 15 name: 121Sb
Coefficient of Determination: 0.999896
Calibration curve: 0.000257272 * x^2 + 0.0243781 * x + 4.34668e-5
Response type: Internal Std (Ref 1), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Compound 18 name: 205Tl
Coefficient of Determination: 0.999943
Calibration curve: 0.0502976 * x^2 + 0.0518815 * x + 0.00217291
Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



HEADER INFROMATION FOR ANALYTICAL SEQUENCE: MS040714A

STANDARD SOLUTIONS

ST040608-12 = 40 PPM - Al; 10 PPM - Cd, Pb; 4 PPM - As, Se; 2 PPM – Ag, Sb, U, Mo; 0.4 PPM - Th; 0.1 PPM - Tl.
EXPIRES: 09/30/05.

Renewed
SW
7/15/04

CALIBRATION STANDARDS

HIGH STD (200 ppb - Al; 50 ppb - Cd, Pb; 20 ppb - As, Se; 10ppb - Ag, Sb, U, Mo; 2 ppb - Th; 0.5ppb - Tl.) Made daily by diluting (ST040608-12) 200 fold, (0.05ml up to a 10 ml final volume).
MID LEVEL STD (40 ppb - Al; 10 ppb - Cd, Pb; 4 ppb - As, Se; 2ppb - Ag, Sb, U, Mo; 0.4 ppb - Th; 0.1ppb - Tl.) Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST040608-12).
LOW LEVEL STD (20 ppb - Al; 5 ppb - Cd, Pb; 2 ppb - As, Se; 1ppb - Ag, Sb, U, Mo; 0.2 ppb - Th; 0.05ppb - Tl.) Made daily by diluting 1.0ml of the HIGH STD calibration standard up to a 10ml final volume, (2000 fold dilution of ST040608-12).
RL STD - Made daily by diluting (RL Intermediate ST040608-11--EXPIRES 09/30/05) 200 fold, (0.05ml up to a 10ml final volume). When ST040608-11 is diluted 200 fold it yields a solution at the reporting limit. (2 ppb - Al; 0.2 ppb - As; 0.1 ppb - Se,Mo; 0.05 ppb - Pb; 0.03 ppb - Cd, Sb; 0.02 ppb - Tl, Th; 0.01 ppb – Ag,U.)

INTERFERENCE CHECK SOLUTIONS

ICSA Made daily by diluting 0.1ml of (ST031124-5--EXPIRES: 12/01/04) up to a 10ml final volume, (100 fold dilution). The ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2

ICSAB Made daily by diluting 0.1ml of (ST031124-5--EXPIRES: 12/01/04) and 2ml of the HIGH STD calibration standard up to a 10ml final volume. (This solution is a 100 fold dilution of ST031124-5 and a 1000 fold dilution of ST040608-12.) The ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2
Cd,Pb	0.01
As,Se	0.004
Ag,Sb,U	0.002
Tl	0.0001

ICSA_MO – Direct analysis of (ST040610-2 Expires 11-07-05).. This solution is custom and made to be as close as possible to the ICSA above, without Mo. This ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2

ICSAB_MO Made daily by diluting 0.04ml of (ST040608-13--EXPIRES: 10/22/04) up to a 10ml final volume with ICSA (Mo) solution above (ST040610-2 Expires 11-07-05). (This solution is a 250 fold dilution of ST040608-13.) This ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2
Mo	0.002
Cd,Pb	0.01
As,Se	0.004
Ag,Sb,U	0.002
Tl	0.0001

CALIBRATION CHECK STANDARDS

ICV Made daily by diluting ICV second source intermediate (ST040608-13--EXPIRES: 10/22/04) 200 fold, (0.05ml up to a 10ml final volume). The ICV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	50
Cd,Pb	12.5
As,Se	5
Ag,Sb,U,Mo	2.5
Th	0.5
Tl	0.125

CCV Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST040608-12). The CCV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	40
Cd,Pb	10
As,Se	4
Ag,Sb,U,Mo	2
Th	0.4
Tl	0.1

CRI Re-analysis of the RL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	2.0
As	0.2
Se,Mo	0.1
Pb	0.05
Cd,Sb	0.03
Tl,Th	0.02
Ag,U	0.01

BLANK

ICB / CCB and all diluent – 1% HNO_3, 1% HCl in double deionized water.

INTERNAL STANDARDS

Internal Standard Intermediate (ST040610-3--EXPIRES: 03/01/05) contains 1 PPM each of Bi, Rh, In; and 2 PPM each of Be, Ga, Pt. This intermediate is added to all standards and samples in the same proportion of 1 on top of 100. Most often this is done by adding 0.05ml of Internal Standard Intermediate on top of 5ml of sample or standard. The final concentration of internal standard in the working solutions or samples is about 10 ppb In, Rh, Bi; and 20 ppb Be, Ga, Pt.

ACID LOT NUMBERS

HNO_3 – Y42044
HCl – Y25027

PIPET ID NUMBERS

1.0 to 5.0ml -- M-58
0.1 to 1.0ml – MS-50
0.01 to 0.1ml -- M-56

DILUTIONS

2X dilutions made by diluting 5ml of sample to a 10ml final volume.
5X dilutions made by diluting 1ml of sample to a 5ml final volume.
10X dilutions made by diluting 1ml of sample to a 10ml final volume.
50X dilutions made by diluting 0.1ml of sample to a 5ml final volume.
100X dilutions made by diluting 0.1ml of sample to a 10ml final volume.
200X dilutions made by diluting 0.05ml of sample to a 10ml final volume.

ANALYTICAL SPIKES
0405097-9 post spiked for U at 2ppb by diluting 0.02ml of (ST040608-13 = 0.5ppm U) up to a 5ml final volume with the 10 fold dilution of sample digestate.

0407069-2 post spiked for U at 2ppb by diluting 0.02ml of (ST040608-13 = 0.5ppm U) up to a 5ml final volume with the 50 fold dilution of sample.

0407069-21 post spiked for U at 2ppb by diluting 0.02ml of (ST040608-13 = 0.5ppm U) up to a 5ml final volume with the 1000 fold dilution of sample.

DAILY MAINTENANCE ITEMS

1. Check / change pump tubing
2. Check / empty drain containers
3. Tune instrument per manufacturer's procedures
4. Perform ten minute stability test (include results with data package)

MONTHLY MAINTENANCE ITEMS

1. Check / clean torch and cones for deposits
2. Check / clean nebulizer and spray chamber
3. Check / fill water recirculating reservoirs
4. Check / fill vacuum pump oil

COMMENTS

IDL / MDL working solution is made by diluting (MDL/IDL Intermediate ST040609-5) 1,000 fold. (0.1ml up to a 100ml final volume.)

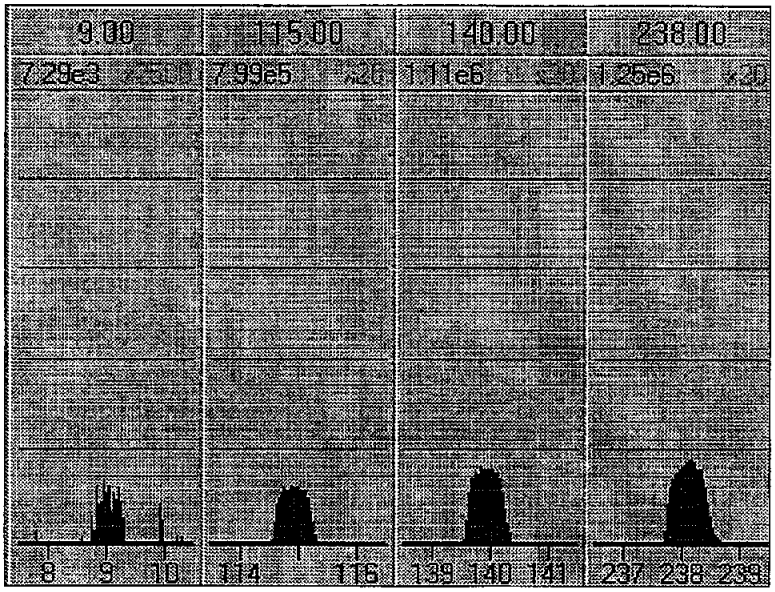
The IDL / MDL working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	1.0
Cd,Tl	0.005
As	0.06
Pb	0.04
Se,Sb,Mo	0.02
Th	0.01
U	0.002
Ag	0.004

Tuning Method Report

Method: C:\MASSLYNX\AUG2002.PRO\ACQUDB\14AUGJTF TUNE

Printed: Wed Jul 14 10:19:32 2004



ANALYSER	**Set**	**Rdbk**
Cone Lens	50	-66
Hex Exit Lens	400	419
Hex Bias	0.2	
LM Resolution	12.5	
High Resolution	12.5	
Ion Energy	2.0	
Multiplier	500	-516

Pressures	**Rdbk**
Analyser Vacuum	2.6e-5

TORCH	**Set**	
X-Axis	2.31	2.33
Y-Axis	-0.65	-0.63
Z-Axis	-0.53	-0.51
Forward Power	1350	1347

GAS	**Set**	
Cool Gas	13.50	13.49
Intermediate Gas	0.82	0.82
Nebuliser Gas 1	0.82	0.82
Nebuliser Gas 2	0.00	0.01
Helium	5.5	5.5
Hydrogen	3.0	3.0
Hexapole Aux	0.00	0.37
Laser Gas	0.00	0.29

Quantify Compound Summary Report
14JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 14JUL04A
Last modified: Wed Jul 14 10:20:18 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed Jul 14 10:54:44 2004

Compound 1: 9Be

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	14JUL04 01			4796		0.251	14-Jul-(
2	14JUL04 02			4880		0.260	14-Jul-(
3	14JUL04 03			4961		0.269	14-Jul-(
4	14JUL04 04			5105		0.289	14-Jul-(
5	14JUL04 05			5232		0.256	14-Jul-(
6	14JUL04 06			5397		0.285	14-Jul-(
7	14JUL04 07			5501		0.265	14-Jul-(
8	14JUL04 08			5622		0.268	14-Jul-(
9	14JUL04 09			5768		0.265	14-Jul-(
10	14JUL04 10			5880		0.203	14-Jul-(
11	14JUL04 11			5733		0.253	14-Jul-(
12	14JUL04 12			5524		0.259	14-Jul-(
13	14JUL04 13			5176		0.311	14-Jul-(
14	14JUL04 14			5018		0.289	14-Jul-(
15	14JUL04 15			5046		0.255	14-Jul-(
16	14JUL04 16			4868		0.300	14-Jul-(
17	14JUL04 17			5045		0.317	14-Jul-(
18	14JUL04 18			5085		0.272	14-Jul-(
19	14JUL04 19			5086		0.227	14-Jul-(
20	14JUL04 20			4978		0.266	14-Jul-(
21	14JUL04 21			4953		0.286	14-Jul-(
22	14JUL04 22			5059		0.311	14-Jul-(
23	14JUL04 23			4979		0.337	14-Jul-(
24	14JUL04 24			5034		0.320	14-Jul-(
25	14JUL04 25			4982		0.278	14-Jul-(
26	14JUL04 26			4938		0.327	14-Jul-(
27	14JUL04 27			5135		0.263	14-Jul-(
28	14JUL04 28			5280		0.309	14-Jul-(
29	14JUL04 29			5418		0.246	14-Jul-(
30	14JUL04 30			5617		0.240	14-Jul-(

Quantify Compound Summary Report
14JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 14JUL04A
Last modified: Wed Jul 14 10:20:18 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed Jul 14 10:54:44 2004

Compound 2: 24Mg

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	14JUL04 01			65093		0.053	14-Jul-(
2	14JUL04 02			65320		0.040	14-Jul-(
3	14JUL04 03			65416		0.045	14-Jul-(
4	14JUL04 04			66821		0.047	14-Jul-(
5	14JUL04 05			67962		0.045	14-Jul-(
6	14JUL04 06			70592		0.047	14-Jul-(
7	14JUL04 07			72637		0.038	14-Jul-(
8	14JUL04 08			73558		0.044	14-Jul-(
9	14JUL04 09			75910		0.044	14-Jul-(
10	14JUL04 10			76741		0.043	14-Jul-(
11	14JUL04 11			77000		0.054	14-Jul-(
12	14JUL04 12			74241		0.063	14-Jul-(
13	14JUL04 13			69972		0.062	14-Jul-(
14	14JUL04 14			66699		0.067	14-Jul-(
15	14JUL04 15			67065		0.050	14-Jul-(
16	14JUL04 16			65825		0.061	14-Jul-(
17	14JUL04 17			67200		0.058	14-Jul-(
18	14JUL04 18			68306		0.066	14-Jul-(
19	14JUL04 19			68377		0.090	14-Jul-(
20	14JUL04 20			66668		0.052	14-Jul-(
21	14JUL04 21			66318		0.056	14-Jul-(
22	14JUL04 22			67198		0.062	14-Jul-(
23	14JUL04 23			66478		0.059	14-Jul-(
24	14JUL04 24			65836		0.047	14-Jul-(
25	14JUL04 25			65912		0.061	14-Jul-(
26	14JUL04 26			65360		0.050	14-Jul-(
27	14JUL04 27			67238		0.052	14-Jul-(
28	14JUL04 28			68779		0.049	14-Jul-(
29	14JUL04 29			70845		0.050	14-Jul-(
30	14JUL04 30			71660		0.050	14-Jul-(

Quantify Compound Summary Report
14JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 14JUL04A
Last modified: Wed Jul 14 10:20:18 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed Jul 14 10:54:44 2004

Compound 3: 59Co

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	14JUL04 01			303593		0.017	14-Jul-(
2	14JUL04 02			304565		0.019	14-Jul-(
3	14JUL04 03			300800		0.015	14-Jul-(
4	14JUL04 04			306511		0.021	14-Jul-(
5	14JUL04 05			312648		0.018	14-Jul-(
6	14JUL04 06			321363		0.015	14-Jul-(
7	14JUL04 07			329954		0.015	14-Jul-(
8	14JUL04 08			333365		0.020	14-Jul-(
9	14JUL04 09			340168		0.019	14-Jul-(
10	14JUL04 10			341207		0.016	14-Jul-(
11	14JUL04 11			340213		0.017	14-Jul-(
12	14JUL04 12			327198		0.016	14-Jul-(
13	14JUL04 13			311307		0.018	14-Jul-(
14	14JUL04 14			296282		0.019	14-Jul-(
15	14JUL04 15			297510		0.016	14-Jul-(
16	14JUL04 16			290590		0.019	14-Jul-(
17	14JUL04 17			297348		0.020	14-Jul-(
18	14JUL04 18			300777		0.017	14-Jul-(
19	14JUL04 19			297845		0.017	14-Jul-(
20	14JUL04 20			294622		0.019	14-Jul-(
21	14JUL04 21			291704		0.020	14-Jul-(
22	14JUL04 22			297385		0.018	14-Jul-(
23	14JUL04 23			293071		0.016	14-Jul-(
24	14JUL04 24			292646		0.021	14-Jul-(
25	14JUL04 25			291915		0.019	14-Jul-(
26	14JUL04 26			290120		0.019	14-Jul-(
27	14JUL04 27			298146		0.017	14-Jul-(
28	14JUL04 28			304060		0.017	14-Jul-(
29	14JUL04 29			310882		0.017	14-Jul-(
30	14JUL04 30			315794		0.019	14-Jul-(

Quantify Compound Summary Report
14JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 14JUL04A
Last modified: Wed Jul 14 10:20:18 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed Jul 14 10:54:44 2004

Compound 4: 60Ni

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	14JUL04 01			55923		0.054	14-Jul-(
2	14JUL04 02			56149		0.040	14-Jul-(
3	14JUL04 03			55697		0.047	14-Jul-(
4	14JUL04 04			57017		0.059	14-Jul-(
5	14JUL04 05			58202		0.051	14-Jul-(
6	14JUL04 06			60391		0.046	14-Jul-(
7	14JUL04 07			62028		0.044	14-Jul-(
8	14JUL04 08			62750		0.048	14-Jul-(
9	14JUL04 09			64021		0.050	14-Jul-(
10	14JUL04 10			64092		0.044	14-Jul-(
11	14JUL04 11			63940		0.041	14-Jul-(
12	14JUL04 12			60784		0.046	14-Jul-(
13	14JUL04 13			58290		0.052	14-Jul-(
14	14JUL04 14			54801		0.048	14-Jul-(
15	14JUL04 15			54659		0.050	14-Jul-(
16	14JUL04 16			53412		0.061	14-Jul-(
17	14JUL04 17			54891		0.055	14-Jul-(
18	14JUL04 18			55709		0.051	14-Jul-(
19	14JUL04 19			55137		0.048	14-Jul-(
20	14JUL04 20			54594		0.055	14-Jul-(
21	14JUL04 21			54131		0.055	14-Jul-(
22	14JUL04 22			54734		0.059	14-Jul-(
23	14JUL04 23			54051		0.050	14-Jul-(
24	14JUL04 24			53889		0.060	14-Jul-(
25	14JUL04 25			53489		0.057	14-Jul-(
26	14JUL04 26			53485		0.048	14-Jul-(
27	14JUL04 27			54977		0.047	14-Jul-(
28	14JUL04 28			56168		0.046	14-Jul-(
29	14JUL04 29			57514		0.048	14-Jul-(
30	14JUL04 30			58691		0.047	14-Jul-(

Quantify Compound Summary Report
14JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 14JUL04A
Last modified: Wed Jul 14 10:20:18 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed Jul 14 10:54:44 2004

Compound 5: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	14JUL04 01			787561		0.010	14-Jul-(
2	14JUL04 02			791597		0.009	14-Jul-(
3	14JUL04 03			785724		0.009	14-Jul-(
4	14JUL04 04			791522		0.011	14-Jul-(
5	14JUL04 05			809442		0.011	14-Jul-(
6	14JUL04 06			836608		0.010	14-Jul-(
7	14JUL04 07			857013		0.009	14-Jul-(
8	14JUL04 08			868126		0.011	14-Jul-(
9	14JUL04 09			881513		0.009	14-Jul-(
10	14JUL04 10			883998		0.010	14-Jul-(
11	14JUL04 11			880745		0.010	14-Jul-(
12	14JUL04 12			843144		0.009	14-Jul-(
13	14JUL04 13			807138		0.014	14-Jul-(
14	14JUL04 14			769747		0.010	14-Jul-(
15	14JUL04 15			766088		0.010	14-Jul-(
16	14JUL04 16			751405		0.009	14-Jul-(
17	14JUL04 17			766268		0.010	14-Jul-(
18	14JUL04 18			777081		0.010	14-Jul-(
19	14JUL04 19			767142		0.010	14-Jul-(
20	14JUL04 20			762127		0.009	14-Jul-(
21	14JUL04 21			754251		0.010	14-Jul-(
22	14JUL04 22			767774		0.011	14-Jul-(
23	14JUL04 23			756360		0.009	14-Jul-(
24	14JUL04 24			754809		0.011	14-Jul-(
25	14JUL04 25			751209		0.012	14-Jul-(
26	14JUL04 26			753137		0.010	14-Jul-(
27	14JUL04 27			774204		0.009	14-Jul-(
28	14JUL04 28			789128		0.010	14-Jul-(
29	14JUL04 29			805391		0.009	14-Jul-(
30	14JUL04 30			818542		0.009	14-Jul-(

Quantify Compound Summary Report
14JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 14JUL04A
Last modified: Wed Jul 14 10:20:18 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed Jul 14 10:54:44 2004

Compound 6: 140Ce

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	14JUL04 01			1047161		0.008	14-Jul-(
2	14JUL04 02			1052506		0.007	14-Jul-(
3	14JUL04 03			1046031		0.009	14-Jul-(
4	14JUL04 04			1057235		0.009	14-Jul-(
5	14JUL04 05			1079040		0.007	14-Jul-(
6	14JUL04 06			1115001		0.007	14-Jul-(
7	14JUL04 07			1142633		0.008	14-Jul-(
8	14JUL04 08			1157150		0.009	14-Jul-(
9	14JUL04 09			1182585		0.009	14-Jul-(
10	14JUL04 10			1180250		0.008	14-Jul-(
11	14JUL04 11			1179407		0.009	14-Jul-(
12	14JUL04 12			1131490		0.008	14-Jul-(
13	14JUL04 13			1078332		0.011	14-Jul-(
14	14JUL04 14			1032764		0.008	14-Jul-(
15	14JUL04 15			1027057		0.009	14-Jul-(
16	14JUL04 16			1006517		0.009	14-Jul-(
17	14JUL04 17			1027042		0.010	14-Jul-(
18	14JUL04 18			1041393		0.009	14-Jul-(
19	14JUL04 19			1027674		0.008	14-Jul-(
20	14JUL04 20			1027358		0.008	14-Jul-(
21	14JUL04 21			1016727		0.008	14-Jul-(
22	14JUL04 22			1030777		0.009	14-Jul-(
23	14JUL04 23			1017480		0.008	14-Jul-(
24	14JUL04 24			1011983		0.008	14-Jul-(
25	14JUL04 25			1012450		0.009	14-Jul-(
26	14JUL04 26			1012450		0.007	14-Jul-(
27	14JUL04 27			1039164		0.007	14-Jul-(
28	14JUL04 28			1062536		0.009	14-Jul-(
29	14JUL04 29			1083678		0.007	14-Jul-(
30	14JUL04 30			1102787		0.008	14-Jul-(

Quantify Compound Summary Report
14JUL04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 14JUL04A
Last modified: Wed Jul 14 10:20:18 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed Jul 14 10:54:44 2004

Compound 7: 140CeO

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	14JUL04 01			39011		0.078	14-Jul-(
2	14JUL04 02			40521		0.097	14-Jul-(
3	14JUL04 03			39551		0.075	14-Jul-(
4	14JUL04 04			40720		0.102	14-Jul-(
5	14JUL04 05			41854		0.097	14-Jul-(
6	14JUL04 06			43149		0.097	14-Jul-(
7	14JUL04 07			43278		0.079	14-Jul-(
8	14JUL04 08			43684		0.091	14-Jul-(
9	14JUL04 09			44924		0.085	14-Jul-(
10	14JUL04 10			43933		0.072	14-Jul-(
11	14JUL04 11			44149		0.080	14-Jul-(
12	14JUL04 12			41342		0.101	14-Jul-(
13	14JUL04 13			39619		0.108	14-Jul-(
14	14JUL04 14			37191		0.087	14-Jul-(
15	14JUL04 15			38212		0.097	14-Jul-(
16	14JUL04 16			37667		0.108	14-Jul-(
17	14JUL04 17			39094		0.063	14-Jul-(
18	14JUL04 18			40930		0.096	14-Jul-(
19	14JUL04 19			40487		0.084	14-Jul-(
20	14JUL04 20			40791		0.099	14-Jul-(
21	14JUL04 21			40093		0.119	14-Jul-(
22	14JUL04 22			41813		0.141	14-Jul-(
23	14JUL04 23			41427		0.125	14-Jul-(
24	14JUL04 24			41227		0.091	14-Jul-(
25	14JUL04 25			41236		0.096	14-Jul-(
26	14JUL04 26			40024		0.084	14-Jul-(
27	14JUL04 27			41353		0.076	14-Jul-(
28	14JUL04 28			41480		0.073	14-Jul-(
29	14JUL04 29			42505		0.077	14-Jul-(
30	14JUL04 30			42643		0.083	14-Jul-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 14JUL04A
Last modified: Wed Jul 14 10:20:18 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed Jul 14 10:54:44 2004

Compound 11: Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	14JUL04 01			825073		0.000	14-Jul-(
2	14JUL04 02			833176		0.000	14-Jul-(
3	14JUL04 03			834681		0.000	14-Jul-(
4	14JUL04 04			845540		0.000	14-Jul-(
5	14JUL04 05			860442		0.000	14-Jul-(
6	14JUL04 06			890609		0.000	14-Jul-(
7	14JUL04 07			912610		0.000	14-Jul-(
8	14JUL04 08			925999		0.000	14-Jul-(
9	14JUL04 09			944582		0.000	14-Jul-(
10	14JUL04 10			945869		0.000	14-Jul-(
11	14JUL04 11			943919		0.000	14-Jul-(
12	14JUL04 12			913418		0.000	14-Jul-(
13	14JUL04 13			872155		0.000	14-Jul-(
14	14JUL04 14			837960		0.000	14-Jul-(
15	14JUL04 15			838372		0.000	14-Jul-(
16	14JUL04 16			825723		0.000	14-Jul-(
17	14JUL04 17			840618		0.000	14-Jul-(
18	14JUL04 18			851232		0.000	14-Jul-(
19	14JUL04 19			844402		0.000	14-Jul-(
20	14JUL04 20			844947		0.000	14-Jul-(
21	14JUL04 21			836697		0.000	14-Jul-(
22	14JUL04 22			847918		0.000	14-Jul-(
23	14JUL04 23			838140		0.000	14-Jul-(
24	14JUL04 24			838686		0.000	14-Jul-(
25	14JUL04 25			834371		0.000	14-Jul-(
26	14JUL04 26			832489		0.000	14-Jul-(
27	14JUL04 27			851075		0.000	14-Jul-(
28	14JUL04 28			870709		0.000	14-Jul-(
29	14JUL04 29			888234		0.000	14-Jul-(
30	14JUL04 30			905139		0.000	14-Jul-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 14JUL04A
Last modified: Wed Jul 14 10:20:18 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed Jul 14 10:54:44 2004

Compound 12: 209Bi

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	14JUL04 01			719104		0.011	14-Jul-(
2	14JUL04 02			725745		0.010	14-Jul-(
3	14JUL04 03			724947		0.011	14-Jul-(
4	14JUL04 04			735834		0.010	14-Jul-(
5	14JUL04 05			745879		0.009	14-Jul-(
6	14JUL04 06			769566		0.010	14-Jul-(
7	14JUL04 07			792425		0.009	14-Jul-(
8	14JUL04 08			805753		0.011	14-Jul-(
9	14JUL04 09			822603		0.010	14-Jul-(
10	14JUL04 10			821052		0.011	14-Jul-(
11	14JUL04 11			817559		0.011	14-Jul-(
12	14JUL04 12			794233		0.010	14-Jul-(
13	14JUL04 13			751706		0.020	14-Jul-(
14	14JUL04 14			728681		0.010	14-Jul-(
15	14JUL04 15			729209		0.010	14-Jul-(
16	14JUL04 16			717643		0.010	14-Jul-(
17	14JUL04 17			730202		0.012	14-Jul-(
18	14JUL04 18			738033		0.011	14-Jul-(
19	14JUL04 19			732205		0.009	14-Jul-(
20	14JUL04 20			733350		0.010	14-Jul-(
21	14JUL04 21			727748		0.011	14-Jul-(
22	14JUL04 22			734027		0.011	14-Jul-(
23	14JUL04 23			725700		0.009	14-Jul-(
24	14JUL04 24			729374		0.012	14-Jul-(
25	14JUL04 25			724134		0.011	14-Jul-(
26	14JUL04 26			722583		0.010	14-Jul-(
27	14JUL04 27			739810		0.010	14-Jul-(
28	14JUL04 28			755516		0.010	14-Jul-(
29	14JUL04 29			770816		0.011	14-Jul-(
30	14JUL04 30			786371		0.009	14-Jul-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 14JUL04A
Last modified: Wed Jul 14 10:20:18 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed Jul 14 10:54:44 2004

Compound 13: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	14JUL04 01			1156217		0.008	14-Jul-(
2	14JUL04 02			1165011		0.007	14-Jul-(
3	14JUL04 03			1166893		0.008	14-Jul-(
4	14JUL04 04			1182856		0.009	14-Jul-(
5	14JUL04 05			1205429		0.009	14-Jul-(
6	14JUL04 06			1241148		0.008	14-Jul-(
7	14JUL04 07			1274217		0.008	14-Jul-(
8	14JUL04 08			1292921		0.010	14-Jul-(
9	14JUL04 09			1319439		0.009	14-Jul-(
10	14JUL04 10			1322647		0.007	14-Jul-(
11	14JUL04 11			1315177		0.010	14-Jul-(
12	14JUL04 12			1273675		0.008	14-Jul-(
13	14JUL04 13			1218214		0.008	14-Jul-(
14	14JUL04 14			1173805		0.009	14-Jul-(
15	14JUL04 15			1171817		0.008	14-Jul-(
16	14JUL04 16			1155705		0.009	14-Jul-(
17	14JUL04 17			1179799		0.009	14-Jul-(
18	14JUL04 18			1190792		0.009	14-Jul-(
19	14JUL04 19			1180537		0.008	14-Jul-(
20	14JUL04 20			1178428		0.008	14-Jul-(
21	14JUL04 21			1180823		0.009	14-Jul-(
22	14JUL04 22			1187795		0.009	14-Jul-(
23	14JUL04 23			1173835		0.007	14-Jul-(
24	14JUL04 24			1174272		0.008	14-Jul-(
25	14JUL04 25			1165914		0.009	14-Jul-(
26	14JUL04 26			1164785		0.007	14-Jul-(
27	14JUL04 27			1196499		0.008	14-Jul-(
28	14JUL04 28			1221361		0.007	14-Jul-(
29	14JUL04 29			1246946		0.007	14-Jul-(
30	14JUL04 30			1261507		0.008	14-Jul-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 14JUL04A
Last modified: Wed Jul 14 10:20:18 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed Jul 14 10:54:44 2004

Compound 14: 220BKGD

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	14JUL04 01						
2	14JUL04 02			1		160.133	14-Jul-(
3	14JUL04 03			1		138.098	14-Jul-(
4	14JUL04 04			1		109.197	14-Jul-(
5	14JUL04 05			1		108.785	14-Jul-(
6	14JUL04 06			1		108.364	14-Jul-(
7	14JUL04 07			1		126.645	14-Jul-(
8	14JUL04 08			1		108.430	14-Jul-(
9	14JUL04 09			1		108.640	14-Jul-(
10	14JUL04 10			1		108.524	14-Jul-(
11	14JUL04 11			1		108.532	14-Jul-(
12	14JUL04 12			1		127.119	14-Jul-(
13	14JUL04 13			1		145.415	14-Jul-(
14	14JUL04 14			1		190.133	14-Jul-(
15	14JUL04 15			1		108.248	14-Jul-(
16	14JUL04 16			2		78.551	14-Jul-(
17	14JUL04 17			1		108.287	14-Jul-(
18	14JUL04 18			1		152.916	14-Jul-(
19	14JUL04 19						
20	14JUL04 20			1		126.793	14-Jul-(
21	14JUL04 21			1		138.879	14-Jul-(
22	14JUL04 22			1		108.277	14-Jul-(
23	14JUL04 23			1		127.029	14-Jul-(
24	14JUL04 24			1		138.107	14-Jul-(
25	14JUL04 25			1		108.703	14-Jul-(
26	14JUL04 26			1		126.538	14-Jul-(
27	14JUL04 27			1		127.057	14-Jul-(
28	14JUL04 28			2		92.350	14-Jul-(
29	14JUL04 29			1		191.360	14-Jul-(
30	14JUL04 30			1		105.484	14-Jul-(

Quantify Compound Summary Report
14JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\14JUL04A
Last modified: Wed Jul 14 19:11:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\U TH TL AL+IS
Last modified: Thu Jul 15 09:06:21 2004
Job Code:

Printed: Thu Jul 15 09:07:09 2004

Compound 4: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	14JUL04A 01	RINSE	0.0021234	17	315972	21.087	14-Jul-04	12:06:31	10
2	14JUL04A 02	RINSE	0.0021277	18	325192	14.638	14-Jul-04	12:08:45	10
3	14JUL04A 03	RINSE	0.0021301	18	320208	15.442	14-Jul-04	12:11:56	10
4	14JUL04A 04	RINSE	0.0021012	15	326892	17.320	14-Jul-04	12:15:07	10
5	14JUL04A 05	0 STD	0.0022703	34	320224	15.533	14-Jul-04	12:18:19	10
6	14JUL04A 06	RL STD	0.0077421	668	324776	1.072	14-Jul-04	12:21:31	10
7	14JUL04A 07	LOW STD	0.99425	114606	323760	0.030	14-Jul-04	12:24:42	10
8	14JUL04A 08	MID STD	2.0093	237056	330800	0.023	14-Jul-04	12:27:55	10
9	14JUL04A 09	HIGH STD	9.9987	1242624	346168	0.008	14-Jul-04	12:31:07	10
10	14JUL04A 10	HIGH STD READBACK	9.9312	1324880	371612	0.007	14-Jul-04	12:34:20	10
11	14JUL04A 11	ICV	2.5240	299540	332556	0.017	14-Jul-04	12:37:32	10
12	14JUL04A 12	ICB	0.0037998	211	323912	8.241	14-Jul-04	12:45:45	10
13	14JUL04A 13	CRI	0.0083166	726	321012	1.375	14-Jul-04	12:50:59	10
14	14JUL04A 14	ICSA	0.0032211	173	388656	5.180	14-Jul-04	12:54:12	10
15	14JUL04A 15	ICSAB	2.0815	314224	423232	0.017	14-Jul-04	12:57:25	10
16	14JUL04A 16	CCV	1.9991	286332	401604	0.031	14-Jul-04	13:00:40	10
17	14JUL04A 17	CCB	0.0037318	240	382660	4.915	14-Jul-04	13:03:54	10
18	14JUL04A 18	0405096-3 10X	1.0776	165564	431448	0.027	14-Jul-04	13:07:09	10
19	14JUL04A 19	0405096-6 10X	0.77521	123345	447224	0.027	14-Jul-04	13:10:23	10
20	14JUL04A 20	0405097-9 10X	3.4839	531712	427280	0.017	14-Jul-04	13:13:35	10
21	14JUL04A 21	0405097-9L 50X	0.77616	110454	399992	0.059	14-Jul-04	13:16:48	10
22	14JUL04A 22	0405097-9MS 10X	5.2901	800528	423020	0.011	14-Jul-04	13:20:01	10
23	14JUL04A 23	0405097-9MSD 10X	6.2045	938144	422380	0.010	14-Jul-04	13:23:14	10
24	14JUL04A 24	0405097-27 1000X	4.1741	579152	388216	0.015	14-Jul-04	13:26:27	10
25	14JUL04A 25	0405097-14 10X	0.41501	64240	436164	0.068	14-Jul-04	13:29:40	10
26	14JUL04A 26	0405097-15 10X	0.61212	95258	437760	0.037	14-Jul-04	13:32:54	10
27	14JUL04A 27	0405097-16 10X	0.42040	65797	440980	0.044	14-Jul-04	13:36:09	10

Quantify Compound Summary Report
14JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\14JUL04A
Last modified: Wed Jul 14 19:11:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\U TH TL AL+IS
Last modified: Thu Jul 15 09:06:21 2004
Job Code:

Printed: Thu Jul 15 09:07:09 2004

Compound 4: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	14JUL04A 28	CCV	1.9716	279152	397012	0.026	14-Jul-04	13:39:23	10
29	14JUL04A 29	CCB	0.0041499	299	385188	5.504	14-Jul-04	13:42:37	10
30	14JUL04A 30	0405096-9 200X	3.6000	549424	427236	0.010	14-Jul-04	13:51:10	10
31	14JUL04A 31	0405096-22 200X	1.0746	156524	409040	0.030	14-Jul-04	13:54:24	10
32	14JUL04A 32	0405096-26 200X	1.9142	284116	416220	0.017	14-Jul-04	13:57:40	10
33	14JUL04A 33	0405097-4 200X	0.44398	63598	403492	0.048	14-Jul-04	14:00:53	10
34	14JUL04A 34	0405097-13 200X	0.30671	43162	397224	0.065	14-Jul-04	14:04:05	10
35	14JUL04A 35	0405096-18 500X	3.4560	499240	404436	0.015	14-Jul-04	14:07:18	10
36	14JUL04A 36	0405096-29 500X	0.18635	25778	392148	0.136	14-Jul-04	14:10:31	10
37	14JUL04A 37	0405096-31 500X	0.15168	20629	386496	0.118	14-Jul-04	14:13:44	10
38	14JUL04A 38	0405097-18 500X	2.4591	344848	393000	0.016	14-Jul-04	14:16:57	10
39	14JUL04A 39	0405096-7 1000X	2.3894	343836	403304	0.015	14-Jul-04	14:20:10	10
40	14JUL04A 40	CCV	1.9962	273892	384712	0.021	14-Jul-04	14:23:24	10
41	14JUL04A 41	CCB	0.0036650	228	377876	3.884	14-Jul-04	14:26:38	10
42	14JUL04A 42	0405096-8 1000X	3.0854	439388	398836	0.014	14-Jul-04	14:29:53	10
43	14JUL04A 43	0405097-1 1000X	5.8923	808128	383212	0.013	14-Jul-04	14:33:08	10
44	14JUL04A 44	0405097-20 1000X	* 14.329	1977216	383120	0.006	14-Jul-04	14:36:22	10
45	14JUL04A 45	0405097-26 1000X	4.9311	679536	385344	0.011	14-Jul-04	14:39:37	10
46	14JUL04A 46	0405096-28 2000X	0.50286	68321	382488	0.065	14-Jul-04	14:42:52	10
47	14JUL04A 47	0405096-30 2000X	3.9822	533792	375120	0.012	14-Jul-04	14:46:06	10
48	14JUL04A 48	0405097-3 2000X	3.5225	475012	377524	0.016	14-Jul-04	14:49:18	10
49	14JUL04A 49	0405097-22 2000X	* 11.125	1536096	384280	0.007	14-Jul-04	14:52:32	10
50	14JUL04A 50	0405096-27 5000X	3.2804	444592	379512	0.016	14-Jul-04	14:55:44	10
51	14JUL04A 51	0405096-32 5000X	0.98666	132561	377372	0.029	14-Jul-04	14:58:58	10
52	14JUL04A 52	CCV	2.0100	272584	380232	0.021	14-Jul-04	15:02:12	10
53	14JUL04A 53	CCB	0.0064376	594	373172	4.091	14-Jul-04	15:05:26	10
54	14JUL04A 54	0405097-2 5000X	2.1922	288820	369316	0.019	14-Jul-04	15:08:39	10

* - do not use, over the linear range-diluted 5,000X later.

Quantify Compound Summary Report
14JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\14JUL04A
Last modified: Wed Jul 14 19:11:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\U TH TL AL+IS
Last modified: Thu Jul 15 09:06:21 2004
Job Code:

Printed: Thu Jul 15 09:07:09 2004

Compound 4: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	14JUL04A 55	0405097-25 5000X	2.8159	374964	373036	0.015	14-Jul-04	15:11:53	10
56	14JUL04A 56	0405097-29 5000X	4.4052	601264	381828	0.014	14-Jul-04	15:15:08	10
57	14JUL04A 57	0405097-30 10000X	2.1658	294164	380752	0.020	14-Jul-04	15:18:23	10
58	14JUL04A 58	0405097-17 20000X	4.0917	568608	388856	0.012	14-Jul-04	15:21:38	10
59	14JUL04A 59	0405097-24 20000X	5.1917	710128	382396	0.010	14-Jul-04	15:24:54	10
60	14JUL04A 60	0405096-21 1000X	0.42913	60805	399188	0.048	14-Jul-04	15:28:09	10
61	14JUL04A 61	0405096-21L 5000X	0.067230	8864	381016	0.394	14-Jul-04	15:31:23	10
62	14JUL04A 62	0405096-21MS 1000X	0.41197	57570	393776	0.058	14-Jul-04	15:34:35	10
63	14JUL04A 63	0405096-21MSD 1000X	0.46051	64771	396120	0.048	14-Jul-04	15:37:48	10
64	14JUL04A 64	CCV	1.9976	268424	376772	0.021	14-Jul-04	15:41:02	10
65	14JUL04A 65	CCB	0.0037478	236	372900	4.968	14-Jul-04	15:44:15	10
66	14JUL04A 66	0405096-21D 1000X	0.31650	43838	390884	0.065	14-Jul-04	15:52:01	10
67	14JUL04A 67	0405097-9D 10X	3.2777	469220	400856	0.015	14-Jul-04	15:55:11	10
68	14JUL04A 68	0405097-9A 10X	5.6650	807408	398308	0.009	14-Jul-04	15:58:22	10
69	14JUL04A 69	0405097-20 5000X	2.8688	377212	368336	0.016	14-Jul-04	16:01:34	10
70	14JUL04A 70	0405097-22 5000X	4.4596	591424	370976	0.012	14-Jul-04	16:04:46	10
71	14JUL04A 71	CCV	2.0226	268264	371884	0.021	14-Jul-04	16:07:58	10
72	14JUL04A 72	CCB	0.0051550	421	371076	3.364	14-Jul-04	16:11:10	10
73	14JUL04A 73	IDL1-1_TL ONLY	0.0044566	330	372652	3.229	14-Jul-04	16:14:22	10
74	14JUL04A 74	IDL1-2_TL ONLY	0.0042706	302	368632	4.104	14-Jul-04	16:17:34	10
75	14JUL04A 75	IDL1-3_TL ONLY	0.0038147	242	368492	4.280	14-Jul-04	16:20:47	10
76	14JUL04A 76	IDL1-4_TL ONLY	0.0036956	227	369536	3.618	14-Jul-04	16:24:00	10
77	14JUL04A 77	IDL1-5_TL ONLY	0.0033706	185	371160	3.679	14-Jul-04	16:27:13	10
78	14JUL04A 78	IDL1-6_TL ONLY	0.0034556	198	374500	3.020	14-Jul-04	16:30:27	10
79	14JUL04A 79	IDL1-7_TL ONLY	0.0032601	175	381236	3.722	14-Jul-04	16:33:40	10
80	14JUL04A 80	CCV	2.0023	272932	382192	0.020	14-Jul-04	16:36:54	10
81	14JUL04A 81	CCB	0.0037249	233	372972	4.836	14-Jul-04	16:40:07	10

Quantify Compound Summary Report
14JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\14JUL04A
Last modified: Wed Jul 14 19:11:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\U TH TL AL+IS
Last modified: Thu Jul 15 09:06:21 2004
Job Code:

Printed: Thu Jul 15 09:07:09 2004

Compound 4: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
82	14JUL04A 82	① 0406164-1 2000X	0.0064911	615	381792	1.299	14-Jul-04	16:43:18	10
83	14JUL04A 83	0406164-1D	0.0064463	610	382480	1.303	14-Jul-04	16:46:32	10
84	14JUL04A 84	0406164-1 1,000X	0.010108	1134	391016	0.806	14-Jul-04	16:49:46	10
85	14JUL04A 85	0406164-1D	0.0096996	1063	385900	0.706	14-Jul-04	16:53:01	10
86	14JUL04A 86	CCV	2.0060	268368	375112	0.020	14-Jul-04	16:56:16	10
87	14JUL04A 87	CCB	0.0036962	229	372656	4.730	14-Jul-04	16:59:29	10
88	14JUL04A 88	0407069-1 1000X	2.6325	394664	420060	0.015	14-Jul-04	17:07:28	10
89	14JUL04A 89	0407069-3 1000X	2.9196	430208	412744	0.011	14-Jul-04	17:10:39	10
90	14JUL04A 90	0407069-5 1000X	3.0134	447948	416352	0.014	14-Jul-04	17:13:50	10
91	14JUL04A 91	0407069-7 1000X	2.7788	415936	419340	0.014	14-Jul-04	17:17:02	10
92	14JUL04A 92	0407069-8 1000X	5.5803	844096	422752	0.010	14-Jul-04	17:20:13	10
93	14JUL04A 93	0407069-9 500X	1.4547	214016	412820	0.021	14-Jul-04	17:23:26	10
94	14JUL04A 94	0407069-10 500X	1.4220	209096	412640	0.023	14-Jul-04	17:26:38	10
95	14JUL04A 95	0407069-11 1000X	2.6910	405736	422440	0.013	14-Jul-04	17:29:51	10
96	14JUL04A 96	0407069-12 1000X	2.9932	472804	442428	0.013	14-Jul-04	17:33:04	10
97	14JUL04A 97	0407069-14 1000X	2.6296	408780	435568	0.014	14-Jul-04	17:36:18	10
98	14JUL04A 98	CCV	2.0049	285276	398960	0.022	14-Jul-04	17:39:32	10
99	14JUL04A 99	CCB	0.0049920	416	386460	4.167	14-Jul-04	17:42:47	10
100	14JUL04A 100	0407069-15 1000X	2.5383	379480	418932	0.015	14-Jul-04	17:51:45	10
101	14JUL04A 101	0407069-16 1000X	2.8330	425440	420684	0.015	14-Jul-04	17:54:55	10
102	14JUL04A 102	0407069-17 1000X	2.8788	434996	423280	0.013	14-Jul-04	17:58:07	10
103	14JUL04A 103	0407069-18 1000X	3.2472	492600	424796	0.015	14-Jul-04	18:01:19	10
104	14JUL04A 104	0407069-19 1000X	2.9411	446084	424844	0.012	14-Jul-04	18:04:32	10
105	14JUL04A 105	0407069-20 1000X	2.6835	410124	428200	0.017	14-Jul-04	18:07:45	10
106	14JUL04A 106	0407069-21 1000X	2.6952	413352	429688	0.013	14-Jul-04	18:10:58	10
107	14JUL04A 107	0407069-21L 5000X	0.53099	77039	408356	0.043	14-Jul-04	18:14:11	10
108	14JUL04A 108	0407069-21MS 1000X	4.6946	726992	433100	0.012	14-Jul-04	18:17:25	10

① U not a requested analyte

000691

Quantify Compound Summary Report
14JUL04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\14JUL04A
Last modified: Wed Jul 14 19:11:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\U TH TL AL+IS
Last modified: Thu Jul 15 09:06:21 2004
Job Code:

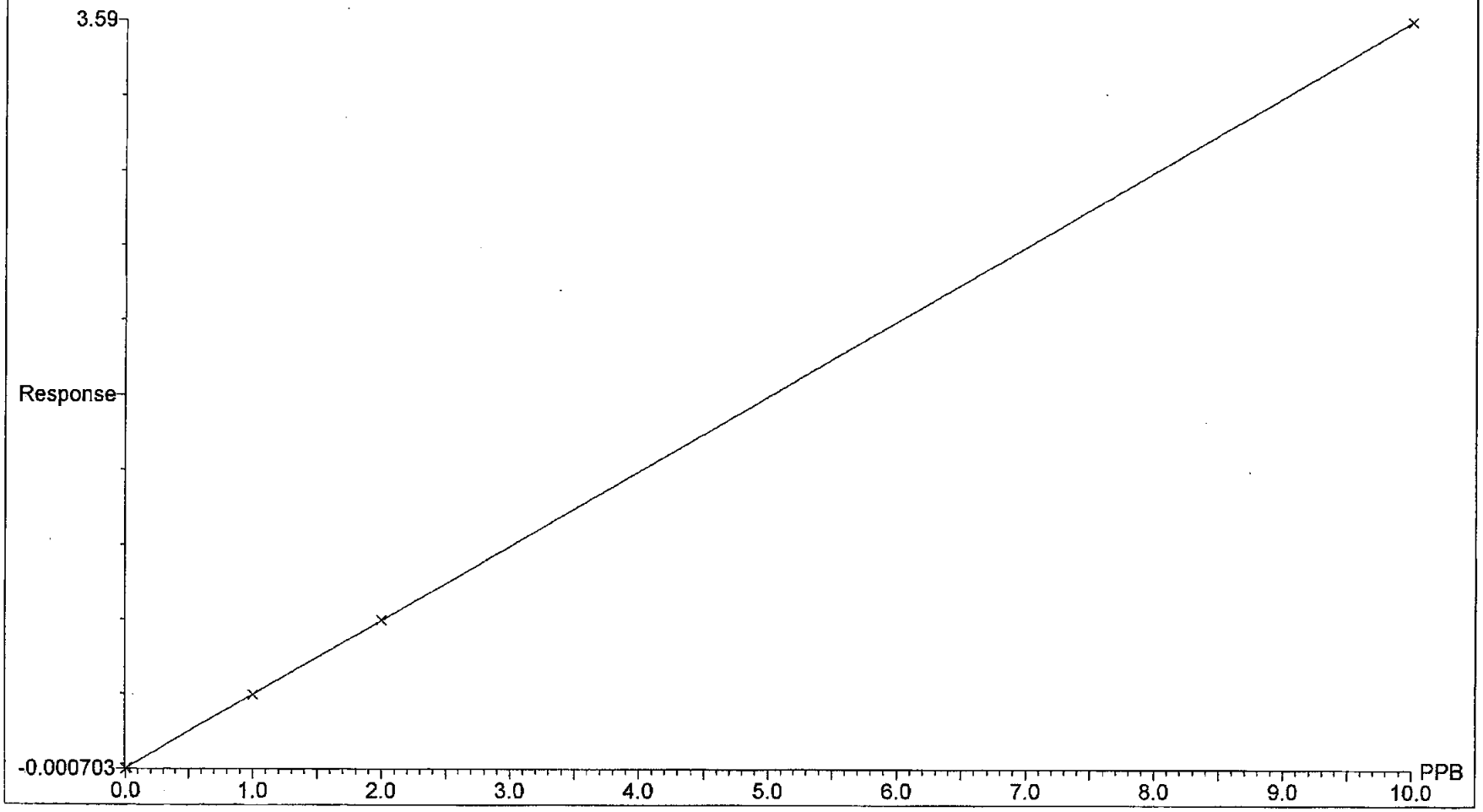
Printed: Thu Jul 15 09:07:09 2004

Compound 4: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
109	14JUL04A 109	0407069-21MSD 1000X	4.7200	728768	431812	0.009	14-Jul-04	18:20:40	10
110	14JUL04A 110	CCV	2.0010	282732	396172	0.017	14-Jul-04	18:23:54	10
111	14JUL04A 111	CCB	0.0057519	517	383728	3.804	14-Jul-04	18:27:09	10
112	14JUL04A 112	0407069-22 1000X	2.9281	446764	427380	0.012	14-Jul-04	18:30:24	10
113	14JUL04A 113	0407069-23 1000X	0.53788	83143	435036	0.047	14-Jul-04	18:33:39	10
114	14JUL04A 114	0407069-6 10X	0.0032461	176	387640	7.658	14-Jul-04	18:36:54	10
115	14JUL04A 115	0407069-2 10X *	8.8503	1384080	435980	0.007	14-Jul-04	18:42:08	10
116	14JUL04A 116	0407069-2L 50X	1.7594	275508	439208	0.020	14-Jul-04	18:45:20	10
117	14JUL04A 117	0407069-2MS 10X	10.735	1779280	461404	0.005	14-Jul-04	18:48:33	10
118	14JUL04A 118	0407069-2MSD 10X	10.795	1797584	463536	0.006	14-Jul-04	18:51:46	10
119	14JUL04A 119	0407069-4 100X	7.5019	1131104	420764	0.008	14-Jul-04	18:54:59	10
120	14JUL04A 120	0407069-13 100X *	28.855	4895872	466188	0.003	14-Jul-04	18:58:14	10
121	14JUL04A 121	CCV	2.0116	309896	431948	0.030	14-Jul-04	19:01:27	10
122	14JUL04A 122	CCB	0.0047834	397	396180	5.395	14-Jul-04	19:12:01	10
123	14JUL04A 123	0407069-13 1000X	2.6602	420252	442632	0.014	14-Jul-04	19:14:43	10
124	14JUL04A 124	0407069-2 50X	1.6081	250568	437116	0.019	14-Jul-04	19:17:58	10
125	14JUL04A 125	0407069-2L 250X	0.33201	50270	427168	0.064	14-Jul-04	19:21:13	10
126	14JUL04A 126	0407069-2MS 50X	3.9709	621664	438116	0.012	14-Jul-04	19:24:27	10
127	14JUL04A 127	0407069-2MSD 50X	3.8988	601136	431508	0.012	14-Jul-04	19:27:43	10
128	14JUL04A 128	CCV	2.0083	290732	405904	0.019	14-Jul-04	19:30:59	10
129	14JUL04A 129	CCB	0.0050700	442	400284	3.882	14-Jul-04	19:34:16	10
130	14JUL04A 130	RINSE							

*- do not use - over the linear range, diluted further later.

Compound 4 name: 238U
Coefficient of Determination: 0.999998
Calibration curve: 0.000260064 * x^2 + 0.356481 * x + -0.000703136
Response type: Internal Std (Ref 10), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



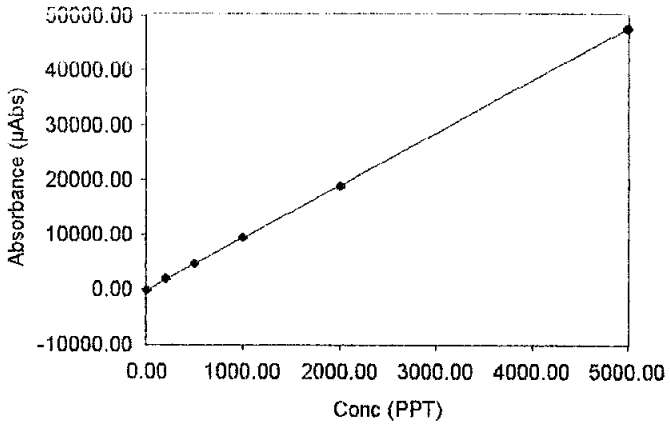
CETAC Hg Analysis Report - 04061400.DB - Monday, June 14, 2004, 11:10:56 AM

Reviewed REM 6/17/04

Analyst
Date Started Monday, June 14, 2004, 09:12:46
Worksheet PARAGON
Comment

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	14-Jun-2004, 09:12	0.00	6.75	-65.50	-59	-69	-69	-65	
Standard #1	14-Jun-2004, 09:14	200.00	0.34	1900.00	1895	1899	1902	1910	
Standard #2	14-Jun-2004, 09:15	500.00	0.72	4710.00	4666	4707	4734	4741	
Standard #3	14-Jun-2004, 09:17	1000.00	0.34	9420.00	9378	9416	9440	9449	
Standard #4	14-Jun-2004, 09:19	2000.00	0.41	18800.00	18715	18805	18860	18889	
Standard #5	14-Jun-2004, 09:20	5000.00	0.47	47600.00	47345	47582	47757	47851	

Calibration Data



Int.	-82.542
Slope	9.530
Correlation	0.99999

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
ICV	14-Jun-2004, 09:22	962.00	1.64	9090.00	8929	9018	9127	9278	
ICB	14-Jun-2004, 09:23	5.72	2.44	-28.00	-27	-27	-28	-30	
CRA	14-Jun-2004, 09:25	207.00	0.85	1890.00	1864	1884	1893	1904	
HG040611-1MB	14-Jun-2004, 09:27	12.50	1.74	36.20	38	37	36	34	
HG040611-1LCS	14-Jun-2004, 09:28	1030.00	0.69	9750.00	9661	9728	9781	9819	
HG040611-1LCSD	14-Jun-2004, 09:30	1000.00	0.63	9450.00	9381	9438	9478	9522	
0406051-3	14-Jun-2004, 09:31	108.00	0.41	946.00	941	947	947	951	
0406051-3D	14-Jun-2004, 09:33	92.70	0.80	800.00	791	801	803	807	
0406051-3MS	14-Jun-2004, 09:35	2050.00	0.29	19500.00	19391	19449	19472	19528	
0406051-3MSD	14-Jun-2004, 09:36	2060.00	0.52	19500.00	19394	19491	19554	19637	
0406051-4	14-Jun-2004, 09:38	86.70	0.46	743.00	748	745	741	740	
0406051-5	14-Jun-2004, 09:39	272.00	0.30	2510.00	2501	2509	2513	2520	
CCV	14-Jun-2004, 09:41	1860.00	0.54	17600.00	17503	17618	17676	17725	
CCB	14-Jun-2004, 09:43	0.93	48.20	-73.70	-71	-72	-72	-80	
0406051-6	14-Jun-2004, 09:44	94.80	0.93	821.00	809	820	827	826	
0406051-7	14-Jun-2004, 09:46	115.00	8.48	1010.00	1108	1061	979	897	
0406051-8	14-Jun-2004, 09:47	135.00	0.38	1200.00	1194	1202	1203	1206	
0406051-9	14-Jun-2004, 09:49	114.00	0.45	1010.00	999	1005	1007	1011	
0406051-10	14-Jun-2004, 09:51	124.00	0.21	1100.00	1100	1104	1105	1105	
0406051-11	14-Jun-2004, 09:52	113.00	0.30	997.00	994	995	997	1001	
0406051-12	14-Jun-2004, 09:54	55.60	0.25	447.00	446	447	449	448	
0406080-1	14-Jun-2004, 09:56	30.70	0.72	210.00	212	211	212	207	
0405097-19	14-Jun-2004, 09:57	56.60	0.28	457.00	455	457	457	459	
0405097-21	14-Jun-2004, 09:59	53.00	0.69	423.00	419	421	425	427	
CCV	14-Jun-2004, 10:00	1870.00	0.97	17800.00	17543	17702	17847	17940	
CCB	14-Jun-2004, 10:02	1.29	27.60	-70.30	-66	-73	-70	-73	
0405097-23	14-Jun-2004, 10:04	55.10	0.48	443.00	440	441	443	446	
0405097-28	14-Jun-2004, 10:05	25.60	10.30	161.00	191	171	149	133	
HG040611-2MB	14-Jun-2004, 10:07	11.50	1.52	27.40	29	27	25	29	
HG040611-2LCS	14-Jun-2004, 10:08	2030.00	1.28	19300.00	18932	19199	19393	19492	
HG040611-2LCSD	14-Jun-2004, 10:10	2050.00	0.66	19400.00	19252	19376	19475	19551	
HG040611-2RB MB	14-Jun-2004, 10:12	6.21	6.40	-23.40	-20	-22	-29	-23	
0405223-1	14-Jun-2004, 10:13	39.80	0.83	297.00	297	301	294	296	
0405223-2	14-Jun-2004, 10:15	25.00	0.90	155.00	154	154	155	158	
0405223-3	14-Jun-2004, 10:17	20.20	1.76	110.00	107	115	110	108	
0405223-4	14-Jun-2004, 10:18	30.10	1.29	205.00	204	200	204	209	

MA 6/16/04

CETAC Hg Analysis Report - 04061400.DB - Monday, June 14, 2004, 11:10:57 AM

Analyst
Date Started Monday, June 14, 2004, 10:20:19
Worksheet PARAGON
Comment

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCV	14-Jun-2004, 10:20	1900.00	0.86	18000.00	17853	18002	18120	18217	
CCB	14-Jun-2004, 10:21	4.53	5.04	-39.40	-39	-37	-41	-41	
0405223-5	14-Jun-2004, 10:23	22.50	0.11	132.00	132	132	132	132	
0405223-6	14-Jun-2004, 10:25	23.60	2.22	142.00	149	142	141	137	
0405223-7	14-Jun-2004, 10:26	22.20	0.24	129.00	129	129	129	128	
0405223-8	14-Jun-2004, 10:28	21.90	0.99	126.00	128	126	126	123	
CCV	14-Jun-2004, 10:29	1930.00	0.71	18300.00	18098	18252	18355	18389	
CCB	14-Jun-2004, 10:31	7.76	3.28	-8.56	-10	-9	-10	-5	

Miscellaneous

METALS DIGESTION WORKSHEET

Paragon Analytics

Digestion Date 6/11/04 | HCl Lot No. X25027 | Method: 3050B | Beaker Lot No. 3298361 | Initial Prep AF | Final Prep SW

Digestion Batch IP040611-4 | HNO_3 Lot No. Y42044 | SOP/Rev: 806 R10 | Avg. Beaker Wt. (g) 15.48 | Prep Start Time 15:00 | Prep End Time 17:30

Water Bath Temp 95 °C | Peroxide Lot No. 40100310 | Balance(s): 4 | Digestate Wt. (g) 105.11

Form 805r15.xls (1/8/04) | Pipet(s): A0-001 | This worksheet is reviewed in-process; **reviewer's initials** AF. LOGBOOK ORIGINAL EXEMPT FROM REVIEW.

QC Grp	Lab Sample ID	Instrument	Init Vol/Wt (mL / g)	Final Vol. (mL)	Target Wt. (g)	pH	Texture	Before color	Before clarity	After color	After clarity	Comments, including metals list	LIMS QCA
	0406055-3	Tr	1.00	100.0	121.6		Coarse	Brown	Opt	Yellow	Clear	Tal	
	-4		1.00		121.6								
	-5		1.00		121.6								
	-6		1.00		121.6								
	-7		1.00		121.6								
	-8		1.00		121.6								
	-9		1.00		121.6								
	-10		1.00		121.6								
	Reinstatement		1.00		121.6								
	0405~~0997~~19	Tr/ms	1.0548		121.6		Fine					Tal + V	2
	-21		1.3192		121.6								
	-23		1.0045		121.6								
	-28		1.1502		121.6								

AF 6/11/04

ICP

LCS	IP040611-4LCS	Tr/ms	1.00	100.0	121.6
LCS 2	-4LCSD		1.00		121.6

ICP MS

LCS					
LCS 2					AF 6/11/04
PB	IP040611-4MB	Tr/ms	1.00	100.0	121.6
#1 D	0406055-9D		1.00	100.0	121.6
S	-9MS		1.00		121.6
DS	-9MSD		1.00		121.6

(Note: QC Sample information presented at left.)

Fill out info. below only if additional batch QC samples are needed.

	Lab Sample ID	Init Vol/Wt. (mL / g)	Final Vol. (mL)	Target Wt. (g)
#2 D				
S				
DS				
#3 D				
S				
DS				

AF 6/11/04

Spiking Information

LCS	Amount
ST040601-2 (C)	0.5 ml
ST040601-3 (Z)	2.0
ST040601-4 (Cd)	2.0
ST040603-2 (Echo)	1.0

Spiking Solution(s)	Amount
Same as LCS	

AF 6/11/04

277955

000697

METALS DIGESTION WORKSHEET

Paragon Analytics

Digestion Date 7/9/04 | HCl Lot No. X25027 | Method: 3050 | Beaker Lot No. 3298361 | Initial Prep fm | Final Prep fm

Digestion Batch 1P040709-3 | HNO_3 Lot No. A16051 | SOP/Rev: 806 REV 10 | Avg. Beaker Wt. (g) 15.48 | Prep Start Time 1645 | Prep End Time 2150

Water Bath Temp 95 °C | Peroxide Lot No. S240 452A03 | Balance(s): #4 | Digestate Wt. (g) 105.11

Form 805r15.xls (1/8/04) | Pipet(s): M-51 | Reviewed by / date AF 7/10/04 | 279823

QC Grp	Lab Sample ID	Instrument	Init Vol/Wt (mL/g)	Final Vol. (mL)	Target Wt. (g)	pH	Texture	Before color	Before clarity	After color	After clarity	Comments, including metals list	LIMS QCA
	0405096-21	Talus	1.00	100	121.6	N/A	FINE	TAN	N/A	YELLOW	CLEAR	TA-Al, As, Fe, Mn, Pb, MS-U	
	-22		1.00		121.6			DARK BROWN		GREY			
	-23		1.00		121.6			TAN		LIGHT GREEN			
	-24		1.00		121.6			DARK BROWN		GREY			
	-25		1.00		121.6			BROWN		OLIVE			
	-26		1.00		121.6			TAN		LIGHT GREEN			
	-27		1.00		121.6			BROWN		OLIVE			
	-28		1.00		121.6			↓		↓			
	-29		1.00		121.6			TAN		COLORLESS			
	-30		1.00		121.6					YELLOW			
	-31		1.00		121.6					COLORLESS			
	-32		1.00		121.6					YELLOW			
	0405097-1		1.00		121.6								
	-2		1.00		121.6								
	-3		1.00		121.6								
	-4		1.00		121.6					↓			
	-5		1.00		121.6					COLORLESS			
	-6		1.00		121.6								
	-7		1.00		121.6								
	-8		1.00		121.6								

ICP					
LCS	1P040709-3LCS	Talus	1.00	100	121.6
LCS 2					

ICP MS					
	7/9/04				
LCS		fm			
LCS 2					
PB	1P040709-3MB	Talus	1.00	100	121.6
#1 D	0405096-21D		1.00		121.6
S	-21MS		1.00		121.6
DS	-21MSD		1.00		121.6

(Note: QC Sample information presented at left.)

Fill out info. below only if additional batch QC samples are needed.

	Lab Sample ID	Init Vol/Wt. (mL / g)	Final Vol. (mL)	Target Wt. (g)
#2 D				
S		7/9/04		
DS				
#3 D				
S		fm		
DS				

Spiking Information

	Amount
LCS Q.C.	
5T040602-36	2.0mL
5T040603-2	1.0mL

Spiking Solution(s)	Amount
	7/9/04 fm

0006998

METALS DIGESTION WORKSHEET

Paragon Analytics

Digestion Date 7/9/04 | HCl Lot No. X25027 | Method: 3050 | Beaker Lot No 3298361 | Initial Prep PM | Final Prep PM

Digestion Batch P040709-4 | HNO_3 Lot No. A16051 | SOP/Rev: 806 REV 10 | Avg. Beaker Wt. (g) 15.48 | Prep Start Time 1840 | Prep End Time 2230

Water Bath Temp 95 °C | Peroxide Lot No. 5240 452A03 | Balance(s): #4 | Digestate Wt. (g) 105.11

Form 805r15.xls (1/8/04) | Pipet(s): M-51 | Reviewed by / date RF 7/10/04 279824

QC Grp	Lab Sample ID	Instrument	Init Vol/Wt (mL / g)	Final Vol. (mL)	Target Wt. (g)	pH	Texture	Before color	Before clarity	After color	After clarity	Comments, including metals list	LIMS QCA
1	0405097-9	TA/MS	1.00	100	121.6	N/A	FINE	TAN	N/A	COLORLESS	CLEAR	TA-Al, As, Fe, Mn, Pb, MS-U	1
	-10		1.00		121.6			GREY					
	-11		1.00		121.6								
	-12		1.00		121.6			TAN					
	-13		1.00		121.6								
	-14		1.00		121.6					LIGHT YELLOW			
	-15		1.00		121.6								
	-16		1.00		121.6								
	-17		1.00		121.6								
	-18		1.00		121.6								
	-20		1.00		121.6								
	-22		1.00		121.6					YELLOW			
	-24		1.00		121.6								
	-25		1.00		121.6								
	-26		1.00		121.6								
	-27		1.00		121.6								
	-29		1.00		121.6								
	-30		1.00		121.6								

7/9/04 PM

ICP					
LCS	P040709-4LCS	TA/MS	1.00	100	121.6
LCS 2					

ICP MS					
LCS		PM			
LCS 2					
PB	P040709-4MB	TA/MS	1.00	100	121.6
#1 D	0405097-9D		1.00		121.6
S	-9MS		1.00		121.6
DS	-9MSD		1.00		121.6

7/9/04

(Note: QC Sample information presented at left.)

Fill out info. below only if additional batch QC samples are needed.

	Lab Sample ID	Init Vol/Wt. (mL / g)	Final Vol. (mL)	Target Wt. (g)
#2 D				
S				
DS				
#3 D				
S				
DS				

7/9/04 PM

Spiking Information

	Amount
LCS Q.C.	
ST040602-36	2.0mL
ST040603-2	1.0mL

Spiking Solution(s) Amount

7/9/04 PM

0009699

264083

Paragon Analytics, Inc.

MERCURY DIGESTION - SOIL

Method: 7471

SOP 812 / Rev: 10

Page 1 of 2

Digestion Date 6/11/04

Digestion Analyst PJW

Spike Witness NA

Water Bath Temp. 95 °C

Time on 10:00 Time off 10:30

Date Analyzed 6/14/04

Analyst PJW

Analytical Filename 04061400

Tube #	Solution ID	Spike Solution	Spike Volume (mL)	Sample Aliquot (g)	Final Volume (mL)	Comments
STD 1	0 ppb	-	-	-	100.0	
2	0.2 ppb	A	0.2	-	100.0	
3	0.5 ppb	A	0.5	-	100.0	
4	1.0 ppb	A	1.0	-	100.0	
5	2.0 ppb	A	2.0	-	100.0	
6	5.0 ppb	A	5.0	-	100.0	
SAMPLE 1	ICV	B	1.0	-	100.0	
2	ICB	-	-	-	100.0	
3	CRA-0.2 ppb	A	0.2	-	100.0	
4	H6040611-1MB	—	—	0.60	100.0	
5	-1LCS	A	1.0	0.60	100.0	
6	-1LCSD	A	1.0	0.60	100.0	
7	0406051-3	—	—	0.60	100.0	
8	-3D	—	—	0.60	100.0	
9	-3MS	A	2.0	0.60	100.0	
10	-3MSD	A	2.0	0.60	100.0	
11	-4	—	—	0.60	100.0	
12	-5	—	—	0.60	100.0	
13	-6	—	—	0.60	100.0	
14	-7	—	—	0.60	100.0	
15	-8	—	—	0.60	100.0	
16	-9	—	—	0.60	100.0	
17	-10	—	—	0.60	100.0	
18	-11	—	—	0.60	100.0	
19	-12	—	—	0.60	100.0	
20	0406080-1	—	—	0.60	100.0	
PJW 6/14/04 21	0406097	—	—	0.60	100.0	
22	0406097-19	—	—	0.60	100.0	
23	-21	—	—	0.60	100.0	
24	-23	—	—	0.60	100.0	
25	-28	—	—	0.60	100.0	
26	H6040611-2MB	—	— PJW 6/14/04	0.60	100.0	
27	-2LCS	A	~~1.0~~ 2.0	0.60	100.0	

Reagent Lots: HNO_3 Y42044 HCl X25027 SnCl- B6040604-1 Hydroxylamine B6040609-1 $KMNO_4$ B6040609-2

Spike solutions:

A: 100 ppb Hg made from 100x dilution (1 mL/100 mL) of ST031028-1

B: 100 ppb Hg made from 100x dilution (1 mL/100 mL) of ST031028-2 (2nd source)

Balance(s) Used: 25

Pipet(s) Used: M-54, M-60, AB-100

000700

Reviewed by _____ Date _____

Form 808r14(b).frm (8/6/2003)

264084 See page 264083

Paragon Analytics, Inc.

MERCURY DIGESTION - SOIL

Method: _____ SOP 812 / Rev: ____ Page 2 of 2

Digestion Date _____ Digestion Analyst _____ Spike Witness _____

Water Bath Temp. _____°C Time on _____ Time off _____

Date Analyzed _____ Analyst _____ Analytical Filename _____

Tube #	Solution ID	Spike Solution	Spike Volume (mL)	Sample Aliquot (g)	Final Volume (mL)	Comments
STD 1	0 ppb	- PSW	6/15/04	-	100.0	
2	0.2 ppb	A	0.2	-	100.0	
3	0.5 ppb	A	0.5	-	100.0	
4	1.0 ppb	A	1.0	-	100.0	
5	2.0 ppb	A	2.0	-	100.0	
6	5.0 ppb	A	5.0	-	100.0	
SAMPLE 1	ICV	B	1.0	-	100.0	
2	ICB	-	-	-	100.0	
3	CRA-0.2 ppb	A	0.2 PSW 6/14/04	-	100.0	
4	H6040611-21CSD	A	~~1.0~~ ~~2.0~~ 2.0	0.60	100.0	
5	↓ -RB	—	—	0.60	100.0	
6	04105223-1	—	—	0.60	100.0	
7	-2	—	—	0.60	100.0	
8	-3	—	—	0.60	100.0	
9	-4	—	—	0.60	100.0	
10	-5	—	—	0.60	100.0	
11	-6	—	—	0.60	100.0	
12	-7	—	—	~~0.0~~ 0.60	100.0	
13	↓ -8	—	— PSW 6/14/04	0.60	100.0	
14	CCV	A	2.0	—	100.0	
15	CCB	—	—	—	100.0	
16					100.0	
17					100.0	
18					100.0	
19					100.0	
20			6/15/04		100.0	
21					100.0	
22			PSW		100.0	
23					100.0	
24					100.0	
25					100.0	
26					100.0	
27					100.0	

Reagent Lots: HNO_3 _____ HCl _____ SnCl- _____ Hydroxylamine _____ $KMNO_4$ _____

Spike solutions:

A: 100 ppb Hg made from 100x dilution (1 mL/100 mL) of _____ Balance(s) Used: _____

~~**B**: 100 ppb Hg made from 100x dilution (1 mL/100 mL) of _____ (2nd source)~~ ~~Pipet(s) Used:~~ _____

Reviewed by _____ **Date** _____ Form 808r14(b).frm (8/6/2003)

See page 264083

NCR # 005823

CONTROLLED

Paragon Analytics

NON-CONFORMANCE REPORT

Initiated by DF Date 7/21/04 Method/Procedure Hg 7471

Reason: ✓ Non-Conformance Work Orders Affected 0405097

___ Client Inquiry

___ Other _____ Clients Kent & Sullivan

SECTION I TYPE OF EVENT (circle as appropriate)

___ 1. LCS / Surrogate / IS / Tracer or Chemical Yield Criteria Not Met

___ 2. Calibration Criteria Not Met (ICAL, ICV, CCV)

✓ 3. Method Requirements Not Met(HTV, MB, ____)

___ 4. Deviation from LQAP / SOP (i.e., PAI criteria not met)

___ 5. Client Criteria Not Met (MDC, DER, _____)

___ 6. Equipment Failure or Laboratory Incident / Error

___ 7. Other _____

Explanation: Hg analysis was on Hold pending evaluation of metals data on other samples. Once Hg was initiated holding time had expired.

Actions to Prevent Recurrence (Retrain, etc.): N/A - special circumstance DAS

SECTION II NOTIFICATION

Client Contacted? (Y / N) Name: Sue Kent Date: _____ Time: _____

SECTION III CORRECTIVE ACTIONS

___ 1. Submit for Re-Prep. or Clean-up

___ 2. Re-analyze

___ 3. Resubmit Data (hc, edd, narrative)

✓ 4. Document in Narrative

___ 5. Other _____

Approved by: DF for SW DPM _____ PM

SECTION IV REQUEST FOR REWORK

Initial Batch ID: _____ Date: _____

Reworked Batch ID: _____ Date: _____

Outcome: _____

7/21/04 DAS

Approved by: _____

Matrix Effect or Elevated / Sample Activity Suspected? (circle applicable)

SECTION V DISPOSITION **Use as is** **Repair** **Reject**

SECTION VI COMMENTS _____

SECTION VII APPROVAL SIGNATURES

Project Manager (PM) Debbie Fazio Date 7/21/04

Department Manager (DPM) Danny Potuchek Date 7/21/04 (Verification of Disposition)

QA Manager Debra Schert Date 7/21/04

SECTION VIII DISTRIBUTION DF PM SW Dept. Manager DC Lab Director ✓ Rpt.Group or ____ Rad

FORM 313r14.doc (3/8/04)