Paragon Analytics

METALS CASE NARRATIVE

Kent & Sullivan Inc.

Ross Adams

Order Number - 0405095

1. This report consists of 10 water samples.
2. The samples were received intact on 5/11/04. The temperature of the samples upon receipt was between 10° and 15° Celsius.
3. The samples had been preserved for the requested analyses.
4. 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 3005A and PA SOP 806 Rev. 9.

   For analysis by Cold Vapor AA (CVAA), the samples were digested following method 7470A and PA SOP 812 Rev. 10.
5. The samples were analyzed following SW-846, 3rd Edition procedures.

   Analysis by Trace ICP followed method 6010B and PA SOP 834 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. 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. 0.

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 7470A 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.

6. All standards and solutions are NIST traceable and were used within their recommended shelf life.
7. The samples were prepared and analyzed within the established hold times.

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

8. 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, with the exception of CCV #6 and #7 for thallium. The samples were not bracketed by these CCVs, so no further action was warranted.
   - 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.
9. Matrix specific quality control procedures.

   PA sample IDs 0405095-1 and -6 were designated as the quality control samples for these analyses.

   - A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for accuracy were met.
   - A sample duplicate and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for precision were met.
   - A serial dilution was analyzed with the Trace ICP and ICP-MS batch. All acceptance criteria were met.

10. It is a standard PA practice that samples for ICP-MS are analyzed at a dilution.

11. Hardness was determined by calculation based on method 2340B from Standard Methods for the Examination of Waters and Wastewaters, 17th Edition, 1989. Calcium and magnesium concentrations were determined by ICP, SW-846 Method 6010B.

    $CaCO_3$ (mg/L) = (2.497 * Ca conc. (mg/L)) + (4.118 * Mg conc. (mg/L))

Client Sample ID	PAI Sample ID	$CaCO_3$ (mg/L)
SW-01	0405095-1	2.5 U
SW-02	0405095-2	2.5 U
SW-04	0405095-3	5.88
SW-05	0405095-4	2.5 U
SW-06	0405095-5	13.5
SW-07	0405095-6	5.29
SW-08	0405095-7	2.5 U
SW-09	0405095-8	2.5 U
SW-10	0405095-9	2.5 U
SW-11	0405095-10	13

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 — 6/8/04
Megan Johnson — Date
Data Reporting Specialist

SW — 6/9/04
Reviewer's Initials — Date

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0405095
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
SW-01	0405095-1		WATER	05-May-04	16:40
SW-02	0405095-2		WATER	05-May-04	15:50
SW-04	0405095-3		WATER	04-May-04	17:52
SW-05	0405095-4		WATER	06-May-04	11:45
SW-06	0405095-5		WATER	06-May-04	8:50
SW-07	0405095-6		WATER	03-May-04	16:03
SW-08	0405095-7		WATER	03-May-04	16:59
SW-09	0405095-8		WATER	05-May-04	12:30
SW-10	0405095-9		WATER	05-May-04	14:57
SW-11	0405095-10		WATER	06-May-04	17:00
FR-01	0405095-11		WATER	06-May-04	8:00
FR-02	0405095-12		WATER	06-May-04	8:10

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) 0405095

Date _____ Page 1 of 9

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

Report To: SUE KENT
Phone: 907 283-0949
Fax: 907 283-0947
Company: KENT & SULLIVAN INC
Address: 53495 THUNDER RD
KENAI AK 99611

circle method or specify under comments

Sample ID	Date	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	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	Pb 210	Hfe with Hardness
[illegible]	5/5/04	1640	1	SW	5										B									X					X					X
[illegible]	5/5/04	1558	2		5										B									X					X					X
[illegible]	5/4/04	1152	3		5										B									X					X					X
[illegible]	5/6/04	1145	4		8										X									X					X			X	X	X
[illegible]	5/6/04	0850	5		8										B									X					(*)					X
[illegible]	[illegible]	1603	6		8										X									X					X			X	X	X
[illegible]	[illegible]	1659	7		5										B									X					(*)					X
[illegible]	[illegible]	1230	8		5										B									X					(*)					X
[illegible]	5/5/04	1457	9		5										B									X					(*)					X
[illegible]	5/6/04	1700	10	✓											B									X					(*)					X

Comments:

(*) [illegible]

(B) [illegible]

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 [signature]
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)

000007

* 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) 0405095

Date _____ Page 2 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 page 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 E508 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 ~~[illegible]~~ 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
FP-01	5-6-04	0800	11	W	2										(B)									X									
FP-02	↓	0810	12	W	2										(B)									X									
MSED-01 (X)	5-6	1300		SED	2										(C)											X			X			X	
MSED-02	5-6	1340			3										(C)											X			X			X	
MSED-03	5-6	1400			2¼										(C)											X			X			X	
MSED-04	5-6	0910			3										(C)											X			X			X	X
MSED-05	5-6	0920			3										(C)											X			X			X	
MSED-06	5-7	0830			[illegible]										(C)											X			X			X	
MSED-07	5-7	0900		↓	3										(C)											X			X			X	

Comments:
(B) Hold analyses pending metals analyses from samples [illegible] and [illegible].
(C) Hold analyses pending metals results from samples OSA-01, 700-01, and 900-01.
(X) on WO# 0405096 [illegible] 5/12/04

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

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

Received By: (1)
Signature [signature]
Printed Name Amy Wolf
Date 5/11/04 Time 11:45
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.

000008

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: Kent & Sullivan WORKORDER NO: 0405095

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	866	933	930	681	166	9	816	4	
Temperature	10°	10°	15°	10°	12°	12°	14°	11°	°C

Project Manager Signature / Date: Debbie Fazio 5/13/04

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: 0405095

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

X **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).
X Other (describe below).

Describe discrepancy:

- Sample #1 - #10: 500 ml poly bottles are labeled for alkalinity analysis and were received at pH 7. Labels list preservative as HNO_3.
- Cooler #930 received with rear outside custody seal intact. Front custody seal was present but was not intact. All straping tape was intact
- All samples received between 10° - 15°C. Insufficient ice packed with samples. Refer to page 1 for cooler temperatures and refer to DOT ~~page~~ Survey pages for cooler contents.

DW 5/12/04

Was the client contacted? ___ No; ✓ Yes: Name Sue Kent Date/Time 5/13/04

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: 5/13/04

000010

SAMPLE LOGIN / DOT SURVEY

Client: Kent & Sullivan

Workorder No: 0405095

Project Manager: Debbie Fazio

Initials: AW

Date: 5/12/04

COOLER #: 866

External Micro R Meter Reading (μ R/hr): 50

Paragon Sample ID:	Client Sample ID:	Micro R Meter Reading (μ R/hr):
0405095-6-5	SW-07	< background
0405095-8-2	SW-09	< background
0405095-8-3	SW-09	< background
0405095-8-4	SW-09	< background
0405095-8-5	SW-09	< background
0405095-10-2	SW-11	< background
0405095-10-3	SW-11	< background
0405095-10-4	SW-11	< background

COOLER #: 933

External Micro R Meter Reading (μ R/hr): 150

Paragon Sample ID:	Client Sample ID:	Micro R Meter Reading (μ R/hr):
0405095-4-1	SW-05	< background
0405095-4-4	SW-05	< background
0405095-4-6	SW-05	< background
0405095-4-7	SW-05	< background
0405095-4-8	SW-05	< background

COOLER #: 930

External Micro R Meter Reading (μ R/hr): 380

Paragon Sample ID:	Client Sample ID:	Micro R Meter Reading (μ R/hr):
0405095-2-1	SW-02	< background
0405095-2-2	SW-02	< background
0405095-2-3	SW-02	< background
0405095-6-8	SW-07	< background
0405095-7-4	SW-08	< background
0405095-7-5	SW-08	< background
0405095-8-1	SW-09	< background
0405095-9-3	SW-10	< background
0405095-10-1	SW-11	< background

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name: S. Kent Date/Time: 5/13/04

Project Manager Signature/ Date: 5/13/04

SAMPLE LOGIN / DOT SURVEY

Client: Kent & Sullivan Workorder No: 0405095

Project Manager: Debbie Fazio Initials: AW Date: 5/12/04

COOLER #: 681 External Micro R Meter Reading (μ R/hr): 70

Paragon Sample ID:	Client Sample ID:	Micro R Meter Reading (μ R/hr):
0405095-1-1	SW-01	< background
0405095-1-2	SW-01	< background
0405095-1-3	SW-01	< background
0405095-1-4	SW-01	< background
0405095-1-5	SW-01	< background
0405095-3-2	SW-04	< background
0405095-6-1	SW-07	< background
0405095-9-1	SW-10	< background
0405095-9-2	SW-10	< background
0405095-9-5	SW-10	< background

COOLER #: 166 External Micro R Meter Reading (μ R/hr): 60

Paragon Sample ID:	Client Sample ID:	Micro R Meter Reading (μ R/hr):
0405095-2-4	SW-02	< background
0405095-2-5	SW-02	< background
0405095-3-1	SW-04	< background
0405095-3-3	SW-04	< background
0405095-9-4	SW-10	< background
0405095-11-1	FR-01	< background
0405095-11-2	FR-01	< background
0405095-12-1	FR-02	< background
0405095-12-2	FR-02	< background

COOLER #: 9 External Micro R Meter Reading (μ R/hr): 80

Paragon Sample ID:	Client Sample ID:	Micro R Meter Reading (μ R/hr):
0405095-3-4	SW-04	< background
0405095-3-5	SW-04	< background
0405095-4-2	SW-05	< background
0405095-4-3	SW-05	< background
0405095-4-5	SW-05	< background
0405095-5-1	SW-06	< background
0405095-5-2	SW-06	< background
0405095-5-3	SW-06	< background
0405095-5-5	SW-06	< background

If applicable, was the client contacted? YES / NO / NA Client Rep. Name: S. Lent Date/Time: 5/13/04

Project Manager Signature/ Date: 5/13/04

SAMPLE LOGIN / DOT SURVEY

Client: Kent & Sullivan Workorder No: 0405095

Project Manager: Debbie Fazio Initials: AW Date: 5/12/04

COOLER #: **816** External Micro R Meter Reading (μ R/hr): **50**

Paragon Sample ID:	**Client Sample ID:**	**Micro R Meter Reading (μ R/hr):**
0405095-5-4	SW-06	< background

COOLER #: **4** External Micro R Meter Reading (μ R/hr): **100**

Paragon Sample ID:	**Client Sample ID:**	**Micro R Meter Reading (μ R/hr):**
0405095-6-2	SW-07	< background
0405095-6-3	SW-07	< background
0405095-6-4	SW-07	< background
0405095-6-6	SW-07	< background
0405095-6-7	SW-07	< background
0405095-7-1	SW-08	< background
0405095-7-2	SW-08	< background
0405095-7-3	SW-08	< background
0405095-10-5	SW-11	< background

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name: Stuart Date/Time: 5/13/04

Project Manager Signature/ Date: 5/13/04

0405095

AirCargo
Alaska Airlines
1-800-2ALASKA

Airbill Number
027 KTN 5436-6152 Box No. 0017

Destination
DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS 50 2 seals
#860

ARTIC 0-0410-3-1635

AirCargo
Alaska Airlines
1-800-2ALASKA

Airbill Number
027 KTN 5436-6152 Box No. 0003

Destination
DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS
2 seals 150
#933
10oc

ARTIC 0-0410-3-1635

1-800-2ALASKA

027 KTN 5436-6152 Box No. 0012

Destination
DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS 380
#930
Back intact
Front Not
15oc

ARTIC 0-0410-3-1635

1-800-2ALASKA

027 KTN 5436-6152 Box No. 0004

Destination
DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS 70
10oc
#
68V
2 Seals

ARTIC 0-0410-3-1635

000014

0405095

Air Cargo
Alaska Airlines
1-800-2ALASKA

027 KTN 5436-6152 Box No. 0013

Destination DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS

60 12 2 seals

ARTIC 0-0410-3-1635

Air Cargo
Alaska Airlines
1-800-2ALASKA

027 KTN 5436-6152 Box No. 0016

Destination DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS

80 12 2 seals

ARTIC 0-0410-3-1635

Alaska Airlines
1-800-2ALASKA

027 KTN 5436-6152 Box No. 0005

Destination DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS

100 2 seals

ARTIC 0-0410-3-1635

1-800-2ALASKA

027 KTN 5436-6152 Box No. 0014

Destination DEN

Pieces	Total Weight	Date
17	865	10-MAY-04

14 RAIDOACTIVE COOLERS COOL
3 MT COOLERS

50 14 2 seals

ARTIC 0-0410-3-1635

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 Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-01
Lab ID: 0405095-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-May-04
Date Extracted: 21-May-04
Date Analyzed: 24-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS40524

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-70-2	CALCIUM	1	1	1	U	
7439-95-4	MAGNESIUM	1	1	1	U	

Data Package ID: *IT0405095-1*

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-02
Lab ID: 0405095-2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-May-04
Date Extracted: 21-May-04
Date Analyzed: 24-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS40524

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-70-2	CALCIUM	1	1	1	U	
7439-95-4	MAGNESIUM	1	1	1	U	

Data Package ID: *IT0405095-1*

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-04
Lab ID: 0405095-3

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-May-04
Date Extracted: 21-May-04
Date Analyzed: 24-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS40524

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-70-2	CALCIUM	1	2.4	1		
7439-95-4	MAGNESIUM	1	1	1	U	

Data Package ID: *IT0405095-1*

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-05
Lab ID: 0405095-4

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 06-May-04
Date Extracted: 21-May-04
Date Analyzed: 24-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS40524

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.01	0.01	U	
7440-39-3	BARIUM	1	0.1	0.1	U	
7440-41-7	BERYLLIUM	1	0.001	0.001	U	
7440-70-2	CALCIUM	1	1	1	U	
7440-47-3	CHROMIUM	1	0.01	0.01	U	
7440-48-4	COBALT	1	0.01	0.01	U	
7440-50-8	COPPER	1	0.002	0.002	U	
7439-89-6	IRON	1	0.63	0.1		
7439-95-4	MAGNESIUM	1	1	1	U	
7439-96-5	MANGANESE	1	0.01	0.01	U	
7440-02-0	NICKEL	1	0.005	0.005	U	
7440-09-7	POTASSIUM	1	1	1	U	
7782-49-2	SELENIUM	1	0.005	0.005	U	
7440-23-5	SODIUM	1	3.5	1		
7440-62-2	VANADIUM	1	0.01	0.01	U	
7440-66-6	ZINC	1	0.02	0.02	U	

Data Package ID: *IT0405095-1*

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-06
Lab ID: 0405095-5

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 06-May-04
Date Extracted: 21-May-04
Date Analyzed: 24-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS40524

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-70-2	CALCIUM	1	2.3	1		
7439-95-4	MAGNESIUM	1	1.8	1		

Data Package ID: *IT0405095-1*

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-07
Lab ID: 0405095-6

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 03-May-04
Date Extracted: 21-May-04
Date Analyzed: 24-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS40524

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.01	0.01	U	
7440-39-3	BARIUM	1	0.1	0.1	U	
7440-41-7	BERYLLIUM	1	0.001	0.001	U	
7440-70-2	CALCIUM	1	2.1	1		
7440-47-3	CHROMIUM	1	0.01	0.01	U	
7440-48-4	COBALT	1	0.01	0.01	U	
7440-50-8	COPPER	1	0.002	0.002	U	
7439-89-6	IRON	1	0.1	0.1	U	
7439-95-4	MAGNESIUM	1	1	1	U	
7439-96-5	MANGANESE	1	0.015	0.01		
7440-02-0	NICKEL	1	0.005	0.005	U	
7440-09-7	POTASSIUM	1	1	1	U	
7782-49-2	SELENIUM	1	0.005	0.005	U	
7440-23-5	SODIUM	1	2.5	1		
7440-62-2	VANADIUM	1	0.01	0.01	U	
7440-66-6	ZINC	1	0.02	0.02	U	

Data Package ID: *IT0405095-1*

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-08
Lab ID: 0405095-7

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 03-May-04
Date Extracted: 21-May-04
Date Analyzed: 24-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS40524

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-70-2	CALCIUM	1	1	1	U	
7439-95-4	MAGNESIUM	1	1	1	U	

Data Package ID: *IT0405095-1*

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-09
Lab ID: 0405095-8

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-May-04
Date Extracted: 21-May-04
Date Analyzed: 24-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS40524

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-70-2	CALCIUM	1	1	1	U	
7439-95-4	MAGNESIUM	1	1	1	U	

Data Package ID: *IT0405095-1*

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-10
Lab ID: 0405095-9

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-May-04
Date Extracted: 21-May-04
Date Analyzed: 24-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS40524

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-70-2	CALCIUM	1	1	1	U	
7439-95-4	MAGNESIUM	1	1	1	U	

Data Package ID: *IT0405095-1*

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-11
Lab ID: 0405095-10

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 06-May-04
Date Extracted: 21-May-04
Date Analyzed: 24-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS40524

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-70-2	CALCIUM	1	2.3	1		
7439-95-4	MAGNESIUM	1	1.8	1		

Data Package ID: *IT0405095-1*

Total Recoverable ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-05
Lab ID: 0405095-4

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 06-May-04
Date Extracted: 28-May-04
Date Analyzed: 28-May-04

Prep Batch: IP040528-3
QCBatchID: IP040528-3-1
Run ID: IM040528-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l
Clean DF: 1
File Name: 28MAY04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	290	20		
7440-36-0	ANTIMONY	10	0.3	0.3	U	
7440-43-9	CADMIUM	10	0.31	0.3		
7439-92-1	LEAD	10	0.5	0.5		
7440-22-4	SILVER	10	0.1	0.1	U	
7440-28-0	THALLIUM	10	0.2	0.2	U	
7440-61-1	URANIUM	10	0.79	0.1		

Data Package ID: *IM0405095-1*

Total Recoverable ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-07
Lab ID: 0405095-6

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 03-May-04
Date Extracted: 28-May-04
Date Analyzed: 28-May-04

Prep Batch: IP040528-3
QCBatchID: IP040528-3-1
Run ID: IM040528-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l
Clean DF: 1
File Name: 28MAY04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	130	20		
7440-36-0	ANTIMONY	10	0.3	0.3	U	
7440-43-9	CADMIUM	10	0.3	0.3	U	
7439-92-1	LEAD	10	0.5	0.5	U	
7440-22-4	SILVER	10	0.1	0.1	U	
7440-28-0	THALLIUM	10	0.2	0.2	U	
7440-61-1	URANIUM	10	42	0.1		

Data Package ID: *IM0405095-1*

Total MERCURY

Method SW7470

Sample Results

Lab Name: Paragon Analytics
Client Name: Kent & Sullivan Inc.
Client Project ID: Ross Adams
Work Order Number: 0405095
Reporting Basis: As Received

Final Volume: 20 g
Matrix: WATER
Result Units: mg/l

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
SW-05	0405095-4	05/06/2004	05/17/2004	05/17/2004	N/A	1	0.0002	0.0002	U	20 g
SW-07	0405095-6	05/03/2004	05/17/2004	05/17/2004	N/A	1	0.0002	0.0002	U	20 g

Comments:

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

Data Package ID: *HG0405095-1*

Summary Report Forms

ICP Metals

Method SW6010

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040521-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/21/2004
Date Analyzed: 05/24/2004

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: N/A

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS40524

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.01	0.01	U	
7440-39-3	BARIUM	1	0.1	0.1	U	
7440-41-7	BERYLLIUM	1	0.001	0.001	U	
7440-70-2	CALCIUM	1	1	1	U	
7440-47-3	CHROMIUM	1	0.01	0.01	U	
7440-48-4	COBALT	1	0.01	0.01	U	
7440-50-8	COPPER	1	0.002	0.002	U	
7439-89-6	IRON	1	0.1	0.1	U	
7439-95-4	MAGNESIUM	1	1	1	U	
7439-96-5	MANGANESE	1	0.01	0.01	U	
7440-02-0	NICKEL	1	0.005	0.005	U	
7440-09-7	POTASSIUM	1	1	1	U	
7782-49-2	SELENIUM	1	0.005	0.005	U	
7440-23-5	SODIUM	1	1	1	U	
7440-62-2	VANADIUM	1	0.01	0.01	U	
7440-66-6	ZINC	1	0.02	0.02	U	

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040521-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/21/2004
Date Analyzed: 05/24/2004

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: N/A

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-38-2	ARSENIC	2	2.06	0.01		103	80 - 120%
7440-39-3	BARIUM	2	1.96	0.1		98	80 - 120%
7440-41-7	BERYLLIUM	0.05	0.0526	0.001		105	80 - 120%
7440-70-2	CALCIUM	40	40.9	1		102	80 - 120%
7440-47-3	CHROMIUM	0.2	0.197	0.01		99	80 - 120%
7440-48-4	COBALT	0.5	0.493	0.01		99	80 - 120%
7440-50-8	COPPER	0.25	0.251	0.002		100	80 - 120%
7439-89-6	IRON	1	0.924	0.1		92	80 - 120%
7439-95-4	MAGNESIUM	40	40.6	1		101	80 - 120%
7439-96-5	MANGANESE	0.5	0.49	0.01		98	80 - 120%
7440-02-0	NICKEL	0.5	0.482	0.005		97	80 - 120%
7440-09-7	POTASSIUM	40	36.6	1		92	80 - 120%
7782-49-2	SELENIUM	2	2.17	0.005		108	80 - 120%
7440-23-5	SODIUM	40	37.5	1		94	80 - 120%
7440-62-2	VANADIUM	0.5	0.508	0.01		102	80 - 120%
7440-66-6	ZINC	0.5	0.5	0.02		100	80 - 120%

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-01
LabID: 0405095-1MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-May-04
Date Extracted: 21-May-04
Date Analyzed: 24-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7440-38-2	ARSENIC	0.01	U	2.06		0.01	2	103	80 - 120%
7440-39-3	BARIUM	0.1	U	1.98		0.1	2	99	80 - 120%
7440-41-7	BERYLLIUM	0.001	U	0.0524		0.001	0.05	105	80 - 120%
7440-70-2	CALCIUM	1	U	40.7		1	40	102	80 - 120%
7440-47-3	CHROMIUM	0.01	U	0.195		0.01	0.2	98	80 - 120%
7440-48-4	COBALT	0.01	U	0.489		0.01	0.5	98	80 - 120%
7440-50-8	COPPER	0.002		0.251		0.002	0.25	101	80 - 120%
7439-89-6	IRON	0.1	U	0.955		0.1	1	96	80 - 120%
7439-95-4	MAGNESIUM	1	U	40.4		1	40	101	80 - 120%
7439-96-5	MANGANESE	0.01	U	0.489		0.01	0.5	98	80 - 120%
7440-02-0	NICKEL	0.005	U	0.481		0.005	0.5	96	80 - 120%
7440-09-7	POTASSIUM	1	U	37.3		1	40	93	80 - 120%
7782-49-2	SELENIUM	0.005	U	2.17		0.005	2	109	80 - 120%
7440-23-5	SODIUM	2.1		39.9		1	40	95	80 - 120%
7440-62-2	VANADIUM	0.01	U	0.506		0.01	0.5	101	80 - 120%
7440-66-6	ZINC	0.02	U	0.498		0.02	0.5	100	80 - 120%

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-01
LabID: 0405095-1MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-May-04
Date Extracted: 21-May-04
Date Analyzed: 24-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l

MSD Lab ID: 0405095-1MSD

Sample Aliquot: 50 g
Final Volume: 50 g

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
7440-38-2	ARSENIC	2	2.06		0.01	103	0	20
7440-39-3	BARIUM	2	1.97		0.1	99	1	20
7440-41-7	BERYLLIUM	0.05	0.0524		0.001	105	0	20
7440-70-2	CALCIUM	40	40.6		1	101	0	20
7440-47-3	CHROMIUM	0.2	0.196		0.01	98	1	20
7440-48-4	COBALT	0.5	0.489		0.01	98	0	20
7440-50-8	COPPER	0.25	0.251		0.002	100	0	20
7439-89-6	IRON	1	0.931		0.1	93	3	20
7439-95-4	MAGNESIUM	40	40.3		1	101	0	20
7439-96-5	MANGANESE	0.5	0.489		0.01	98	0	20
7440-02-0	NICKEL	0.5	0.481		0.005	96	0	20
7440-09-7	POTASSIUM	40	37.1		1	93	1	20
7782-49-2	SELENIUM	2	2.16		0.005	108	0	20
7440-23-5	SODIUM	40	39.8		1	94	0	20
7440-62-2	VANADIUM	0.5	0.506		0.01	101	0	20
7440-66-6	ZINC	0.5	0.496		0.02	99	0	20

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Duplicate Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-01
Lab ID: 0405095-1D

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05/05/2004
Date Extracted: 05/21/2004
Date Analyzed: 05/24/2004

Prep Batch: IP040521-1
QCBatchID: IP040521-1-1
Run ID: IT040524-1A3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS40524

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7440-38-2	ARSENIC	0.01	U	0.01	U	0.01	1		20
7440-39-3	BARIUM	0.1	U	0.1	U	0.1	1		20
7440-41-7	BERYLLIUM	0.001	U	0.001	U	0.001	1		20
7440-70-2	CALCIUM	1	U	1	U	1	1		20
7440-47-3	CHROMIUM	0.01	U	0.01	U	0.01	1		20
7440-48-4	COBALT	0.01	U	0.01	U	0.01	1		20
7440-50-8	COPPER	0.002		0.002	U	0.002	1		20
7439-89-6	IRON	0.1	U	0.1	U	0.1	1		20
7439-95-4	MAGNESIUM	1	U	1	U	1	1		20
7439-96-5	MANGANESE	0.01	U	0.01	U	0.01	1		20
7440-02-0	NICKEL	0.005	U	0.005	U	0.005	1		20
7440-09-7	POTASSIUM	1	U	1	U	1	1		20
7782-49-2	SELENIUM	0.005	U	0.005	U	0.005	1		20
7440-23-5	SODIUM	2.1		2.09		1	1		20
7440-62-2	VANADIUM	0.01	U	0.01	U	0.01	1		20
7440-66-6	ZINC	0.02	U	0.02	U	0.02	1		20

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Serial Dilution

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-01
Lab ID: 0405095-1L

Run ID: IT040524-1A3
Date Analyzed: 24-May-04
Result Units: mg/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7440-38-2	ARSENIC	0.010000000149	U	0.05	U		
7440-39-3	BARIUM	0.1	U	0.5	U		
7440-41-7	BERYLLIUM	0.000999999978	U	0.005	U		
7440-70-2	CALCIUM	1	U	5	U		
7440-47-3	CHROMIUM	0.010000000149	U	0.05	U		
7440-48-4	COBALT	0.010000000149	U	0.05	U		
7440-50-8	COPPER	0.00233		0.01	U		
7439-89-6	IRON	0.1	U	0.5	U		
7439-95-4	MAGNESIUM	1	U	5	U		
7439-96-5	MANGANESE	0.010000000149	U	0.05	U		
7440-02-0	NICKEL	0.005000000075	U	0.025	U		
7440-09-7	POTASSIUM	1	U	5	U		
7782-49-2	SELENIUM	0.005000000075	U	0.025	U		
7440-23-5	SODIUM	2.11779		5	U		
7440-62-2	VANADIUM	0.010000000149	U	0.05	U		
7440-66-6	ZINC	0.020000000298	U	0.1	U		

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: ICV
QC Type: Initial Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.25	0.243	0.01		97	90 - 110%
7440-39-3	BARIUM	0.25	0.248	0.1		99	90 - 110%
7440-41-7	BERYLLIUM	0.25	0.246	0.001		98	90 - 110%
7440-70-2	CALCIUM	25.2	25.1	1		99	90 - 110%
7440-47-3	CHROMIUM	0.25	0.245	0.01		98	90 - 110%
7440-48-4	COBALT	0.25	0.244	0.01		98	90 - 110%
7440-50-8	COPPER	0.25	0.25	0.002		100	90 - 110%
7439-89-6	IRON	10.2	10.1	0.1		99	90 - 110%
7439-95-4	MAGNESIUM	25.2	24.9	1		99	90 - 110%
7439-96-5	MANGANESE	0.25	0.243	0.01		97	90 - 110%
7440-02-0	NICKEL	0.25	0.242	0.005		97	90 - 110%
7440-09-7	POTASSIUM	10	10	1		100	90 - 110%
7782-49-2	SELENIUM	0.25	0.247	0.005		99	90 - 110%
7440-23-5	SODIUM	10.2	10.2	1		99	90 - 110%
7440-62-2	VANADIUM	0.25	0.251	0.01		100	90 - 110%
7440-66-6	ZINC	0.25	0.251	0.02		100	90 - 110%

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV1
QC Type: Continuing Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.488	0.01		98	90 - 110%
7440-39-3	BARIUM	0.5	0.502	0.1		100	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.506	0.001		101	90 - 110%
7440-70-2	CALCIUM	50.5	52	1		103	90 - 110%
7440-47-3	CHROMIUM	0.5	0.503	0.01		101	90 - 110%
7440-48-4	COBALT	0.5	0.494	0.01		99	90 - 110%
7440-50-8	COPPER	0.5	0.521	0.002		104	90 - 110%
7439-89-6	IRON	20.5	21	0.1		103	90 - 110%
7439-95-4	MAGNESIUM	50.5	51.4	1		102	90 - 110%
7439-96-5	MANGANESE	0.5	0.492	0.01		98	90 - 110%
7440-02-0	NICKEL	0.5	0.491	0.005		98	90 - 110%
7440-09-7	POTASSIUM	20	20.6	1		103	90 - 110%
7782-49-2	SELENIUM	0.5	0.504	0.005		101	90 - 110%
7440-23-5	SODIUM	20.5	21	1		102	90 - 110%
7440-62-2	VANADIUM	0.5	0.51	0.01		102	90 - 110%
7440-66-6	ZINC	0.5	0.493	0.02		99	90 - 110%

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV2
QC Type: Continuing Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.485	0.01		97	90 - 110%
7440-39-3	BARIUM	0.5	0.497	0.1		100	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.496	0.001		99	90 - 110%
7440-70-2	CALCIUM	50.5	51.5	1		102	90 - 110%
7440-47-3	CHROMIUM	0.5	0.496	0.01		99	90 - 110%
7440-48-4	COBALT	0.5	0.491	0.01		98	90 - 110%
7440-50-8	COPPER	0.5	0.506	0.002		101	90 - 110%
7439-89-6	IRON	20.5	20.8	0.1		102	90 - 110%
7439-95-4	MAGNESIUM	50.5	50.9	1		101	90 - 110%
7439-96-5	MANGANESE	0.5	0.486	0.01		97	90 - 110%
7440-02-0	NICKEL	0.5	0.486	0.005		97	90 - 110%
7440-09-7	POTASSIUM	20	20.6	1		103	90 - 110%
7782-49-2	SELENIUM	0.5	0.499	0.005		100	90 - 110%
7440-23-5	SODIUM	20.5	20.8	1		102	90 - 110%
7440-62-2	VANADIUM	0.5	0.505	0.01		101	90 - 110%
7440-66-6	ZINC	0.5	0.491	0.02		98	90 - 110%

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV3
QC Type: Continuing Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.484	0.01		97	90 - 110%
7440-39-3	BARIUM	0.5	0.49	0.1		98	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.493	0.001		99	90 - 110%
7440-70-2	CALCIUM	50.5	51.4	1		102	90 - 110%
7440-47-3	CHROMIUM	0.5	0.493	0.01		99	90 - 110%
7440-48-4	COBALT	0.5	0.487	0.01		97	90 - 110%
7440-50-8	COPPER	0.5	0.503	0.002		101	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-95-4	MAGNESIUM	50.5	50.6	1		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.484	0.01		97	90 - 110%
7440-02-0	NICKEL	0.5	0.483	0.005		97	90 - 110%
7440-09-7	POTASSIUM	20	20.4	1		102	90 - 110%
7782-49-2	SELENIUM	0.5	0.493	0.005		99	90 - 110%
7440-23-5	SODIUM	20.5	20.7	1		101	90 - 110%
7440-62-2	VANADIUM	0.5	0.499	0.01		100	90 - 110%
7440-66-6	ZINC	0.5	0.487	0.02		98	90 - 110%

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV4
QC Type: Continuing Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.492	0.01		98	90 - 110%
7440-39-3	BARIUM	0.5	0.493	0.1		99	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.495	0.001		99	90 - 110%
7440-70-2	CALCIUM	50.5	51.8	1		103	90 - 110%
7440-47-3	CHROMIUM	0.5	0.499	0.01		100	90 - 110%
7440-48-4	COBALT	0.5	0.492	0.01		98	90 - 110%
7440-50-8	COPPER	0.5	0.509	0.002		102	90 - 110%
7439-89-6	IRON	20.5	20.8	0.1		102	90 - 110%
7439-95-4	MAGNESIUM	50.5	51	1		101	90 - 110%
7439-96-5	MANGANESE	0.5	0.484	0.01		97	90 - 110%
7440-02-0	NICKEL	0.5	0.489	0.005		98	90 - 110%
7440-09-7	POTASSIUM	20	20.6	1		103	90 - 110%
7782-49-2	SELENIUM	0.5	0.497	0.005		100	90 - 110%
7440-23-5	SODIUM	20.5	20.9	1		102	90 - 110%
7440-62-2	VANADIUM	0.5	0.504	0.01		101	90 - 110%
7440-66-6	ZINC	0.5	0.491	0.02		98	90 - 110%

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV5
QC Type: Continuing Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.482	0.01		97	90 - 110%
7440-39-3	BARIUM	0.5	0.484	0.1		97	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.491	0.001		98	90 - 110%
7440-70-2	CALCIUM	50.5	51.2	1		101	90 - 110%
7440-47-3	CHROMIUM	0.5	0.495	0.01		99	90 - 110%
7440-48-4	COBALT	0.5	0.487	0.01		97	90 - 110%
7440-50-8	COPPER	0.5	0.503	0.002		101	90 - 110%
7439-89-6	IRON	20.5	20.6	0.1		100	90 - 110%
7439-95-4	MAGNESIUM	50.5	50.6	1		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.478	0.01		96	90 - 110%
7440-02-0	NICKEL	0.5	0.48	0.005		96	90 - 110%
7440-09-7	POTASSIUM	20	20.3	1		102	90 - 110%
7782-49-2	SELENIUM	0.5	0.49	0.005		98	90 - 110%
7440-23-5	SODIUM	20.5	20.6	1		100	90 - 110%
7440-62-2	VANADIUM	0.5	0.499	0.01		100	90 - 110%
7440-66-6	ZINC	0.5	0.489	0.02		98	90 - 110%

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCV6
QC Type: Continuing Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.484	0.01		97	90 - 110%
7440-39-3	BARIUM	0.5	0.485	0.1		97	90 - 110%
7440-41-7	BERYLLIUM	0.5	0.49	0.001		98	90 - 110%
7440-70-2	CALCIUM	50.5	51.3	1		102	90 - 110%
7440-47-3	CHROMIUM	0.5	0.494	0.01		99	90 - 110%
7440-48-4	COBALT	0.5	0.487	0.01		97	90 - 110%
7440-50-8	COPPER	0.5	0.503	0.002		101	90 - 110%
7439-89-6	IRON	20.5	20.6	0.1		101	90 - 110%
7439-95-4	MAGNESIUM	50.5	50.6	1		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.479	0.01		96	90 - 110%
7440-02-0	NICKEL	0.5	0.478	0.005		96	90 - 110%
7440-09-7	POTASSIUM	20	20.4	1		102	90 - 110%
7782-49-2	SELENIUM	0.5	0.494	0.005		99	90 - 110%
7440-23-5	SODIUM	20.5	20.7	1		101	90 - 110%
7440-62-2	VANADIUM	0.5	0.499	0.01		100	90 - 110%
7440-66-6	ZINC	0.5	0.488	0.02		98	90 - 110%

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: ICB
QC Type: Initial Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.001	0.001	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	0.002	0.002	U
7439-89-6	IRON	0.1	0.1	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.005	0.005	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-23-5	SODIUM	1	1	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010
Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB1
QC Type: Initial Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.001	0.001	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	0.002	0.002	U
7439-89-6	IRON	0.1	0.1	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.005	0.005	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-23-5	SODIUM	1	1	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB2
QC Type: Initial Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.001	0.001	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	0.002	0.002	U
7439-89-6	IRON	0.1	0.1	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.005	0.005	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-23-5	SODIUM	1	1	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB3
QC Type: Initial Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.001	0.001	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	0.002	0.002	U
7439-89-6	IRON	0.1	0.1	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.005	0.005	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-23-5	SODIUM	1	1	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010
Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB4
QC Type: Initial Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.001	0.001	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	0.002	0.002	U
7439-89-6	IRON	0.1	0.1	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.005	0.005	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-23-5	SODIUM	1	1	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB5
QC Type: Initial Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.001	0.001	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	0.002	0.002	U
7439-89-6	IRON	0.1	0.1	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.005	0.005	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-23-5	SODIUM	1	1	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: CCB6
QC Type: Initial Calibration

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-41-7	BERYLLIUM	0.001	0.001	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	0.002	0.002	U
7439-89-6	IRON	0.1	0.1	U
7439-95-4	MAGNESIUM	1	1	U
7439-96-5	MANGANESE	0.01	0.01	U
7440-02-0	NICKEL	0.005	0.005	U
7440-09-7	POTASSIUM	1	1	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-23-5	SODIUM	1	1	U
7440-62-2	VANADIUM	0.01	0.01	U
7440-66-6	ZINC	0.02	0.02	U

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-38-2	ARSENIC		0.1		0.0893	89
7440-39-3	BARIUM		0.5		0.48800	98
7440-41-7	BERYLLIUM		0.5		0.468	94
7440-70-2	CALCIUM	500	500	504	498	100
7440-47-3	CHROMIUM		0.5		0.44800	90
7440-48-4	COBALT		0.5		0.44400	89
7440-50-8	COPPER		0.5		0.51800	104
7439-89-6	IRON	200	200	203	200	100
7439-95-4	MAGNESIUM	500	500	511	504	101
7439-96-5	MANGANESE		0.5		0.45800	92
7440-02-0	NICKEL		1		0.853	85
7440-09-7	POTASSIUM					
7782-49-2	SELENIUM		0.05		0.04960	99
7440-23-5	SODIUM					
7440-62-2	VANADIUM		0.5		0.473	95
7440-66-6	ZINC		1		0.881	88

Data Package ID: *IT0405095-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IT040524-1A3
Date Analyzed: 05/24/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-38-2	ARSENIC		0.1		0.09300	93
7440-39-3	BARIUM		0.5		0.48	96
7440-41-7	BERYLLIUM		0.5		0.46700	93
7440-70-2	CALCIUM	500	500	508	503	101
7440-47-3	CHROMIUM		0.5		0.452	90
7440-48-4	COBALT		0.5		0.445	89
7440-50-8	COPPER		0.5		0.515	103
7439-89-6	IRON	200	200	204	201	101
7439-95-4	MAGNESIUM	500	500	516	510	102
7439-96-5	MANGANESE		0.5		0.45600	91
7440-02-0	NICKEL		1		0.854	85
7440-09-7	POTASSIUM					
7782-49-2	SELENIUM		0.05		0.04930	99
7440-23-5	SODIUM					
7440-62-2	VANADIUM		0.5		0.47200	94
7440-66-6	ZINC		1		0.88800	89

Data Package ID: *IT0405095-1*

ICP Interelement Correction Factors

Lab Name: Paragon Analytics
Work Order Number: 0405095
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																

000055

ICP Interelement Correction Factors

Lab Name: Paragon Analytics
Work Order Number: 0405095
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: 0405095
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 -- 5/24/2004

Instrument ID: ICPTrace
File Name: TS40524
AnalRunID: IT040524-1A1
CalibRefID: IT040524-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		MIXBHIGH	MIXBH	1	5/24/2004	10:14	
		MIXAHIGH	MIXAH	1	5/24/2004	10:16	
		ICV	ICV	1	5/24/2004	10:19	
		ICB	ICB	1	5/24/2004	10:24	
		CRI1	CRI	1	5/24/2004	10:26	
		ICSA1	ICSA	1	5/24/2004	10:29	
		ICSAB1	ICSAB	1	5/24/2004	10:31	
		CCV1	CCV	1	5/24/2004	10:34	
		CCB1	CCB	1	5/24/2004	10:36	
		0405124-9	SMP	1	5/24/2004	10:39	IP040518-3
		IP040521-1	MB	1	5/24/2004	10:41	IP040521-1
		IP040521-1	LCS	1	5/24/2004	10:44	IP040521-1
	SW-01	0405095-1	SMP	1	5/24/2004	10:46	IP040521-1
	SW-01	0405095-1	DUP	1	5/24/2004	10:49	IP040521-1
	SW-01	0405095-1	SER	5	5/24/2004	10:51	IP040521-1
	SW-01	0405095-1	MS	1	5/24/2004	10:54	IP040521-1
	SW-01	0405095-1	MSD	1	5/24/2004	10:56	IP040521-1
	SW-02	0405095-2	SMP	1	5/24/2004	10:59	IP040521-1
	SW-04	0405095-3	SMP	1	5/24/2004	11:01	IP040521-1
		CCV2	CCV	1	5/24/2004	11:04	
		CCB2	CCB	1	5/24/2004	11:06	
	SW-05	0405095-4	SMP	1	5/24/2004	11:09	IP040521-1
	SW-06	0405095-5	SMP	1	5/24/2004	11:11	IP040521-1
	SW-07	0405095-6	SMP	1	5/24/2004	11:14	IP040521-1
	SW-08	0405095-7	SMP	1	5/24/2004	11:16	IP040521-1
	SW-09	0405095-8	SMP	1	5/24/2004	11:19	IP040521-1
	SW-10	0405095-9	SMP	1	5/24/2004	11:21	IP040521-1
	SW-11	0405095-10	SMP	1	5/24/2004	11:24	IP040521-1
		IP040521-3	MB	1	5/24/2004	11:42	IP040521-3
		IP040521-3	LCS	1	5/24/2004	11:44	IP040521-3
		0404190-1	SMP	1	5/24/2004	11:47	IP040521-3
		CCV3	CCV	1	5/24/2004	11:49	
		CCB3	CCB	1	5/24/2004	11:52	
		0404190-1	DUP	1	5/24/2004	11:54	IP040521-3
		0405169-8	SMP	1	5/24/2004	11:57	IP040521-3

Data Package ID: IT0405095-1

Paragon Analytics
LIMS Version: 5.028A

Date Printed: Tuesday, June 08, 2004

ICPTrace Run Log -- 5/24/2004

Instrument ID: ICPTrace
File Name: TS40524
AnalRunID: IT040524-1A1
CalibRefID: IT040524-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0405169-10	SMP	1	5/24/2004	11:59	IP040521-3
		0405169-12	SMP	1	5/24/2004	12:02	IP040521-3
		0405169-13	SMP	1	5/24/2004	12:04	IP040521-3
		0405169-13	DUP	1	5/24/2004	12:07	IP040521-3
		0405169-13	SER	5	5/24/2004	12:09	IP040521-3
		0405169-13	MS	1	5/24/2004	12:12	IP040521-3
		0405169-13	MSD	1	5/24/2004	12:14	IP040521-3
		0404190-1	SMP	2	5/24/2004	12:20	IP040521-3
		CCV4	CCV	1	5/24/2004	12:23	
		CCB4	CCB	1	5/24/2004	12:25	
		0404190-1	DUP	2	5/24/2004	12:28	IP040521-3
		0405169-8	SMP	2	5/24/2004	12:30	IP040521-3
		0405169-10	SMP	5	5/24/2004	12:33	IP040521-3
		0405169-12	SMP	2	5/24/2004	12:35	IP040521-3
		0405169-12	SMP	5	5/24/2004	12:38	IP040521-3
		0405169-13	SMP	5	5/24/2004	12:40	IP040521-3
		0405169-13	DUP	5	5/24/2004	12:43	IP040521-3
		0405169-13	SER	25	5/24/2004	12:45	IP040521-3
		0405169-13	MS	5	5/24/2004	12:48	IP040521-3
		0405169-13	MSD	5	5/24/2004	12:51	IP040521-3
		CCV5	CCV	1	5/24/2004	12:53	
		CCB5	CCB	1	5/24/2004	12:56	
		0405169-13	SER	25	5/24/2004	12:59	IP040521-3
		0405169-13	SER	25	5/24/2004	13:15	IP040521-3
		CRI2	CRI	1	5/24/2004	13:18	
		ICSA2	ICSA	1	5/24/2004	13:20	
		ICSAB2	ICSAB	1	5/24/2004	13:23	
		CCV6	CCV	1	5/24/2004	13:25	
		CCB6	CCB	1	5/24/2004	13:28	

Data Package ID: IT0405095-1

ICPMS Metals

Method SW6020

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040521-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/21/2004
Date Analyzed: 05/26/2004

Prep Batch: IP040521-1
QCBatchID: IP040521-1-2
Run ID: IM040526-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l
Clean DF: 1
File Name: 26MAY04A

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7439-92-1	LEAD	10	0.5	0.5	U	

Data Package ID: *IM0405095-1*

ICPMS Metals

Method SW6020

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040521-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/21/2004
Date Analyzed: 05/27/2004

Prep Batch: IP040521-1
QCBatchID: IP040521-1-2
Run ID: IM040527-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l
Clean DF: 1
File Name: 27MAY04A

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-36-0	ANTIMONY	10	0.3	0.3	U	
7440-43-9	CADMIUM	10	0.3	0.3	U	
7440-22-4	SILVER	10	0.1	0.1	U	
7440-28-0	THALLIUM	10	0.2	0.2	U	
7440-61-1	URANIUM	10	0.1	0.1	U	

Data Package ID: *IM0405095-1*

ICPMS Metals

Method SW6020

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040528-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/28/2004
Date Analyzed: 05/28/2004

Prep Batch: IP040528-3
QCBatchID: IP040528-3-1
Run ID: IM040528-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l
Clean DF: 1
File Name: 28MAY04A

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	20	20	U	

Data Package ID: *IM0405095-1*

ICPMS Metals

Method SW6020

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IM040521-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/21/2004
Date Analyzed: 05/27/2004

Prep Batch: IP040521-1
QCBatchID: IP040521-1-2
Run ID: IM040527-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-36-0	ANTIMONY	20	20.2	0.3		101	80 - 120%
7440-43-9	CADMIUM	100	101	0.3		101	80 - 120%
7439-92-1	LEAD	100	100	0.5		100	80 - 120%
7440-22-4	SILVER	20	20.6	0.1		103	80 - 120%
7440-28-0	THALLIUM	1	1.02	0.2		102	80 - 120%
7440-61-1	URANIUM	20	20.4	0.1		102	80 - 120%

Data Package ID: *IM0405095-1*

ICPMS Metals

Method SW6020

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040528-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/28/2004
Date Analyzed: 05/28/2004

Prep Batch: IP040528-3
QCBatchID: IP040528-3-1
Run ID: IM040528-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7429-90-5	ALUMINUM	400	409	20		102	80 - 120%

Data Package ID: *IM0405095-1*

ICPMS Metals

Method SW6020

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-01
LabID: 0405095-1MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-May-04
Date Extracted: 21-May-04
Date Analyzed: 27-May-04

Prep Batch: IP040521-1
QCBatchID: IP040521-1-2
Run ID: IM040527-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7440-36-0	ANTIMONY	0.3	U	19.8		0.3	20	99	75 - 125%
7440-43-9	CADMIUM	0.3	U	102		0.3	100	102	75 - 125%
7439-92-1	LEAD	0.5	U	101		0.5	100	101	75 - 125%
7440-22-4	SILVER	0.1	U	20.5		0.1	20	103	75 - 125%
7440-28-0	THALLIUM	0.2	U	0.904		0.2	1	90	75 - 125%
7440-61-1	URANIUM	0.1		20.5		0.1	20	102	75 - 125%

MSD Lab ID: 0405095-1MSD

Sample Aliquot: 50 g
Final Volume: 50 g

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
7440-36-0	ANTIMONY	20	20.4		0.3	102	3	20
7440-43-9	CADMIUM	100	103		0.3	103	1	20
7439-92-1	LEAD	100	101		0.5	101	0	20
7440-22-4	SILVER	20	20.9		0.1	105	2	20
7440-28-0	THALLIUM	1	0.944		0.2	94	4	20
7440-61-1	URANIUM	20	21.2		0.1	106	3	20

Data Package ID: *IM0405095-1*

ICPMS Metals

Method SW6020

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-07
LabID: 0405095-6MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 03-May-04
Date Extracted: 28-May-04
Date Analyzed: 28-May-04

Prep Batch: IP040528-3
QCBatchID: IP040528-3-1
Run ID: IM040528-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7429-90-5	ALUMINUM	130		535		20	400	102	75 - 125%

MSD Lab ID: 0405095-6MSD

Sample Aliquot: 50 g
Final Volume: 50 g

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
7429-90-5	ALUMINUM	400	542		20	104	1	20

Data Package ID: *IM0405095-1*

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ICPMS Metals

Method SW6020

Duplicate Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-01
Lab ID: 0405095-1D

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05/05/2004
Date Extracted: 05/21/2004
Date Analyzed: 05/27/2004

Prep Batch: IP040521-1
QCBatchID: IP040521-1-2
Run ID: IM040527-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l
Clean DF: 1
File Name: 27MAY04A

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7440-36-0	ANTIMONY	0.3	U	0.3	U	0.3	10		20
7440-43-9	CADMIUM	0.3	U	0.3	U	0.3	10		20
7439-92-1	LEAD	0.5	U	0.5	U	0.5	10		20
7440-22-4	SILVER	0.1	U	0.1	U	0.1	10		20
7440-28-0	THALLIUM	0.2	U	0.2	U	0.2	10		20
7440-61-1	URANIUM	0.1		0.1	U	0.1	10		20

Data Package ID: *IM0405095-1*

ICPMS Metals

Method SW6020

Duplicate Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-07
Lab ID: 0405095-6D

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05/03/2004
Date Extracted: 05/28/2004
Date Analyzed: 05/28/2004

Prep Batch: IP040528-3
QCBatchID: IP040528-3-1
Run ID: IM040528-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l
Clean DF: 1
File Name: 28MAY04A

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7429-90-5	ALUMINUM	130		126		20	10	0	20

Data Package ID: *IM0405095-1*

ICPMS Metals

Method SW6020
Serial Dilution

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-01
Lab ID: 0405095-1L

Run ID: IM040527-1A1
Date Analyzed: 27-May-04
Result Units: ug/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7440-36-0	ANTIMONY	0.030000001192	U	0.15	U		
7440-43-9	CADMIUM	0.030000001192	U	0.15	U		
7439-92-1	LEAD	0.05	U	0.25	U		
7440-22-4	SILVER	0.010000000149	U	0.05	U		
7440-28-0	THALLIUM	0.020000000298	U	0.1	U		
7440-61-1	URANIUM	0.01004		0.05	U		

Data Package ID: *IM0405095-1*

ICPMS Metals

Method SW6020

Serial Dilution

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: SW-07
Lab ID: 0405095-6L

Run ID: IM040528-1A1
Date Analyzed: 28-May-04
Result Units: ug/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7429-90-5	ALUMINUM	12.562		18.7915			

Data Package ID: *IM0405095-1*

LEAD

Method SW6020

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 26-May-04
Run ID: IM040526-1A1
Result Units: ug/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	10	10.1	0.05	N/A	101	90 - 110
CCV2	Continuing Calibration	10	9.74	0.05	N/A	97	90 - 110
CCV3	Continuing Calibration	10	10.1	0.05	N/A	101	90 - 110
CCV4	Continuing Calibration	10	10.1	0.05	N/A	101	90 - 110
CCV5	Continuing Calibration	10	10.1	0.05	N/A	101	90 - 110
ICV	Initial Calibration	12.5	13.1	0.05	N/A	105	90 - 110

Data Package ID: *IM0405095-1*

ANTIMONY

Method SW6020

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 27-May-04
Run ID: IM040527-1A1
Result Units: ug/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	2	2.12	0.03	N/A	106	90 - 110
CCV2	Continuing Calibration	2	2.04	0.03	N/A	102	90 - 110
CCV3	Continuing Calibration	2	2.04	0.03	N/A	102	90 - 110
CCV4	Continuing Calibration	2	2.01	0.03	N/A	101	90 - 110
CCV5	Continuing Calibration	2	2.01	0.03	N/A	101	90 - 110
CCV6	Continuing Calibration	2	2.05	0.03	N/A	103	90 - 110
CCV7	Continuing Calibration	2	2	0.03	N/A	100	90 - 110
CCV8	Continuing Calibration	2	1.99	0.03	N/A	99	90 - 110
CCV9	Continuing Calibration	2	1.95	0.03	N/A	98	90 - 110
ICV	Initial Calibration	2.5	2.68	0.03	N/A	107	90 - 110

Data Package ID: *IM0405095-1*

CADMIUM

Method SW6020

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 27-May-04
Run ID: IM040527-1A1
Result Units: ug/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	10	10.4	0.03	N/A	104	90 - 110
CCV2	Continuing Calibration	10	10.2	0.03	N/A	102	90 - 110
CCV3	Continuing Calibration	10	10.2	0.03	N/A	102	90 - 110
CCV4	Continuing Calibration	10	10.1	0.03	N/A	101	90 - 110
CCV5	Continuing Calibration	10	10.2	0.03	N/A	102	90 - 110
CCV6	Continuing Calibration	10	10	0.03	N/A	101	90 - 110
CCV7	Continuing Calibration	10	10	0.03	N/A	100	90 - 110
CCV8	Continuing Calibration	10	10	0.03	N/A	100	90 - 110
CCV9	Continuing Calibration	10	9.96	0.03	N/A	100	90 - 110
ICV	Initial Calibration	12.5	13	0.03	N/A	104	90 - 110

Data Package ID: *IM0405095-1*

SILVER

Method SW6020

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 27-May-04
Run ID: IM040527-1A1
Result Units: ug/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	2	2.04	0.01	N/A	102	90 - 110
CCV2	Continuing Calibration	2	2.04	0.01	N/A	102	90 - 110
CCV3	Continuing Calibration	2	2.04	0.01	N/A	102	90 - 110
CCV4	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV5	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV6	Continuing Calibration	2	2.01	0.01	N/A	100	90 - 110
CCV7	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV8	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV9	Continuing Calibration	2	1.96	0.01	N/A	98	90 - 110
ICV	Initial Calibration	2.5	2.62	0.01	N/A	105	90 - 110

Data Package ID: *IM0405095-1*

THALLIUM

Method SW6020

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 27-May-04
Run ID: IM040527-1A1
Result Units: ug/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	0.1	0.104	0.02	N/A	104	90 - 110
CCV2	Continuing Calibration	0.1	0.106	0.02	N/A	106	90 - 110
CCV3	Continuing Calibration	0.1	0.105	0.02	N/A	105	90 - 110
CCV4	Continuing Calibration	0.1	0.0932	0.02	N/A	93	90 - 110
CCV5	Continuing Calibration	0.1	0.0931	0.02	N/A	93	90 - 110
CCV6	Continuing Calibration	0.1	0.734	0.02	Z	734	90 - 110
CCV7	Continuing Calibration	0.1	0.232	0.02	Z	232	90 - 110
CCV8	Continuing Calibration	0.1	0.106	0.02	N/A	106	90 - 110
CCV9	Continuing Calibration	0.1	0.0987	0.02	N/A	99	90 - 110
ICV	Initial Calibration	0.125	0.127	0.02	N/A	102	90 - 110

Data Package ID: *IM0405095-1*

URANIUM

Method SW6020

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 27-May-04
Run ID: IM040527-1A1
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	1.98	0.01	N/A	99	90 - 110
CCV3	Continuing Calibration	2	1.99	0.01	N/A	99	90 - 110
CCV4	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV5	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV6	Continuing Calibration	2	2.01	0.01	N/A	100	90 - 110
CCV7	Continuing Calibration	2	2.02	0.01	N/A	101	90 - 110
CCV8	Continuing Calibration	2	1.99	0.01	N/A	99	90 - 110
CCV9	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
ICV	Initial Calibration	2.5	2.55	0.01	N/A	102	90 - 110

Data Package ID: *IM0405095-1*

ALUMINUM

Method SW6020

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 28-May-04
Run ID: IM040528-1A1
Result Units: ug/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	40	40.8	2	N/A	102	90 - 110
CCV2	Continuing Calibration	40	40.7	2	N/A	102	90 - 110
ICV	Initial Calibration	50	52.4	2	N/A	105	90 - 110

Data Package ID: *IM0405095-1*

LEAD

Method SW6020

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 26-May-04
Run ID: IM040526-1A1
Result Units: ug/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	5/26/2004	0.05	0.05	U
CCB2	Continuing Calibration	5/26/2004	0.05	0.05	U
CCB3	Continuing Calibration	5/26/2004	0.05	0.05	U
CCB4	Continuing Calibration	5/26/2004	0.05	0.05	U
CCB5	Continuing Calibration	5/26/2004	0.05	0.05	U
ICB	Initial Calibration	5/26/2004	0.05	0.05	U

Data Package ID: *IM0405095-1*

ANTIMONY

Method SW6020

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 27-May-04
Run ID: IM040527-1A1
Result Units: ug/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB2	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB3	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB4	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB5	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB6	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB7	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB8	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB9	Continuing Calibration	5/27/2004	0.03	0.03	U
ICB	Initial Calibration	5/27/2004	0.03	0.03	U

Data Package ID: *IM0405095-1*

CADMIUM

Method SW6020

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 27-May-04
Run ID: IM040527-1A1
Result Units: ug/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB2	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB3	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB4	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB5	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB6	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB7	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB8	Continuing Calibration	5/27/2004	0.03	0.03	U
CCB9	Continuing Calibration	5/27/2004	0.03	0.03	U
ICB	Initial Calibration	5/27/2004	0.03	0.03	U

Data Package ID: *IM0405095-1*

SILVER

Method SW6020

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 27-May-04
Run ID: IM040527-1A1
Result Units: ug/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB2	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB3	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB4	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB5	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB6	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB7	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB8	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB9	Continuing Calibration	5/27/2004	0.01	0.01	U
ICB	Initial Calibration	5/27/2004	0.01	0.01	U

Data Package ID: *IM0405095-1*

THALLIUM

Method SW6020

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 27-May-04
Run ID: IM040527-1A1
Result Units: ug/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	5/27/2004	0.02	0.02	U
CCB2	Continuing Calibration	5/27/2004	0.02	0.02	U
CCB3	Continuing Calibration	5/27/2004	0.02	0.02	U
CCB4	Continuing Calibration	5/27/2004	0.02	0.02	U
CCB5	Continuing Calibration	5/27/2004	0.02	0.02	U
CCB6	Continuing Calibration	5/27/2004	0.02	0.02	U
CCB7	Continuing Calibration	5/27/2004	0.02	0.02	U
CCB8	Continuing Calibration	5/27/2004	0.02	0.02	U
CCB9	Continuing Calibration	5/27/2004	0.02	0.02	U
ICB	Initial Calibration	5/27/2004	0.02	0.02	U

Data Package ID: *IM0405095-1*

URANIUM

Method SW6020

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 27-May-04
Run ID: IM040527-1A1
Result Units: ug/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB2	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB3	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB4	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB5	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB6	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB7	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB8	Continuing Calibration	5/27/2004	0.01	0.01	U
CCB9	Continuing Calibration	5/27/2004	0.01	0.01	U
ICB	Initial Calibration	5/27/2004	0.01	0.01	U

Data Package ID: *IM0405095-1*

ALUMINUM

Method SW6020

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 28-May-04
Run ID: IM040528-1A1
Result Units: ug/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	5/28/2004	2	2	U
CCB2	Continuing Calibration	5/28/2004	2	2	U
ICB	Initial Calibration	5/28/2004	2	2	U

Data Package ID: *IM0405095-1*

ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IM040526-1A1
Date Analyzed: 05/26/2004
Result Units: ug/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7439-92-1	LEAD		10		10.6000	106

Data Package ID: *IM0405095-1*

ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IM040527-1A1
Date Analyzed: 05/27/2004
Result Units: ug/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-36-0	ANTIMONY		2		2.27	113
7440-43-9	CADMIUM		10		10.1000	101
7440-22-4	SILVER		2		1.93	97
7440-28-0	THALLIUM		0.1		0.0977	98
7440-61-1	URANIUM		2		2.22000	111

Data Package ID: *IM0405095-1*

Metals Linear Ranges

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
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 -- 5/26/2004

Instrument ID: ICPMS
File Name: 26MAY04A
AnalRunID: IM040526-1A1
CalibRefID: IM040526-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0 ST	DUP		5/26/2004	10:47	IP040526-21
		0.05 ST	DUP		5/26/2004	10:50	IP040526-21
		0.1(MO)_ 2 (AL)	DUP		5/26/2004	10:54	IP040526-21
		LOW ST	DUP		5/26/2004	10:57	IP040526-21
		MI	DUP		5/26/2004	11:00	IP040526-21
		HIGH ST	DUP		5/26/2004	11:04	IP040526-21
		MIXAHIGH	MIXAH	1	5/26/2004	11:07	
		ICV	ICV	1	5/26/2004	11:10	
		ICB	ICB	1	5/26/2004	11:19	
		CRI1	CRI	1	5/26/2004	11:24	
		CRI2	CRI	1	5/26/2004	11:28	
		ICSA1	ICSA	1	5/26/2004	11:31	
		ICSAB1	ICSAB	1	5/26/2004	11:34	
		ICSA2	ICSA	1	5/26/2004	11:38	
		ICSAB2	ICSAB	1	5/26/2004	11:41	
		CCV1	CCV	1	5/26/2004	12:07	
		CCB1	CCB	1	5/26/2004	12:10	
		0405170-1	SMP	100	5/26/2004	12:15	IP040526-21
		0405170-1	DUP	100	5/26/2004	12:18	IP040526-21
		0405170-1	SMP	10	5/26/2004	12:22	IP040526-21
		0405170-1	DUP	10	5/26/2004	12:25	IP040526-21
		IP040521-3	MB	10	5/26/2004	12:28	IP040521-3
		IM040521-3	LCS	10	5/26/2004	12:37	IP040521-3
		0404190-1	SMP	1000	5/26/2004	12:40	IP040521-3
		0404190-1	DUP	1000	5/26/2004	12:44	IP040521-3
		0404190-1	SMP	100	5/26/2004	12:47	IP040521-3
		0404190-1	DUP	100	5/26/2004	12:50	IP040521-3
		CCV2	CCV	1	5/26/2004	13:14	
		CCB2	CCB	1	5/26/2004	13:17	
		0405114-1	SMP	10	5/26/2004	13:20	IP040526-21
		0405114-1	SER	50	5/26/2004	13:24	IP040526-21
		0405114-1	MS	10	5/26/2004	13:27	IP040526-21
		0405114-1	MSD	10	5/26/2004	13:31	IP040526-21
		0405114-2	SMP	10	5/26/2004	13:34	IP040526-21
		0405114-3	SMP	10	5/26/2004	13:37	IP040526-21

Data Package ID: IM0405195-1

Paragon Analytics
LIMS Version: 5.028A

Date Printed: Tuesday, June 08, 2004

ICPMS Run Log -- 5/26/2004

Instrument ID: ICPMS
File Name: 26MAY04A
AnalRunID: IM040526-1A1
CalibRefID: IM040526-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0405114-4	SMP	10	5/26/2004	13:41	IP040526-21
		0405114-5	SMP	10	5/26/2004	13:44	IP040526-21
		0405114-6	SMP	100	5/26/2004	13:47	IP040526-21
		0405114-7	SMP	100	5/26/2004	13:51	IP040526-21
		CCV3	CCV	1	5/26/2004	13:54	
		CCB3	CCB	1	5/26/2004	13:58	
		0405114-8	SMP	100	5/26/2004	14:01	IP040526-21
		0405114-9	SMP	100	5/26/2004	14:04	IP040526-21
		0405114-10	SMP	100	5/26/2004	14:08	IP040526-21
		0405114-11	SMP	100	5/26/2004	14:11	IP040526-21
		0405114-12	SMP	100	5/26/2004	14:14	IP040526-21
		0405114-13	SMP	100	5/26/2004	14:18	IP040526-21
		0405114-14	SMP	100	5/26/2004	14:21	IP040526-21
		0405114-15	SMP	100	5/26/2004	14:25	IP040526-21
		0405114-16	SMP	100	5/26/2004	14:28	IP040526-21
		0405126-1	SMP	100	5/26/2004	14:31	IP040526-21
		CCV4	CCV	1	5/26/2004	14:35	
		CCB4	CCB	1	5/26/2004	14:38	
		0405126-2	SMP	100	5/26/2004	14:42	IP040526-21
		IP040521-1	MB	10	5/26/2004	14:45	IP040521-1
		IM040521-1	LCS	10	5/26/2004	14:48	IP040521-1
	SW-01	0405095-1	SMP	10	5/26/2004	14:52	IP040521-1
	SW-01	0405095-1	DUP	10	5/26/2004	14:55	IP040521-1
	SW-01	0405095-1	SER	50	5/26/2004	14:59	IP040521-1
	SW-01	0405095-1	MS	10	5/26/2004	15:02	IP040521-1
	SW-01	0405095-1	MSD	10	5/26/2004	15:05	IP040521-1
	SW-05	0405095-4	SMP	10	5/26/2004	15:09	IP040521-1
	SW-07	0405095-6	SMP	10	5/26/2004	15:12	IP040521-1
		CCV5	CCV	1	5/26/2004	15:15	
		CCB5	CCB	1	5/26/2004	15:19	

Data Package ID: IM0405195-1

ICPMS Run Log -- 5/27/2004

Instrument ID: ICPMS
File Name: 27MAY04A
AnalRunID: IM040527-1A1
CalibRefID: IM040527-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0	0 STD		5/27/2004	10:33	
		RL	RL ST		5/27/2004	10:36	
		LOW	LOW S		5/27/2004	10:40	
		MID	MID S		5/27/2004	10:44	
		HIGH	HIGH		5/27/2004	10:47	
		MIXAHIGH	MIXAH	1	5/27/2004	10:51	
		ICV	ICV	1	5/27/2004	10:54	
		ICB	ICB	1	5/27/2004	11:03	
		CRI1	CRI	1	5/27/2004	11:08	
		ICSA1	ICSA	1	5/27/2004	11:12	
		ICSAB1	ICSAB	1	5/27/2004	11:16	
		ICSA2	ICSA	1	5/27/2004	11:19	
		ICSAB2	ICSAB	1	5/27/2004	11:23	
		CCV1	CCV	1	5/27/2004	11:26	
		CCB1	CCB	1	5/27/2004	11:30	
		0405170-1	SMP	100	5/27/2004	11:33	IP040526-21
		0405170-1	DUP	100	5/27/2004	11:37	IP040526-21
		0405170-1	SMP	10	5/27/2004	11:41	IP040526-21
		0405170-1	DUP	10	5/27/2004	11:44	IP040526-21
		0405170-1	SMP	10	5/27/2004	11:48	IP040526-21
		0405170-1	DUP	10	5/27/2004	11:51	IP040526-21
		IP040521-3	MB	10	5/27/2004	11:55	IP040521-3
		IM040521-3	LCS	10	5/27/2004	11:58	IP040521-3
		0404190-1	SMP	1000	5/27/2004	12:02	IP040521-3
		0404190-1	DUP	1000	5/27/2004	12:06	IP040521-3
		CCV2	CCV	1	5/27/2004	12:09	
		CCB2	CCB	1	5/27/2004	12:13	
		0404190-1	SMP	100	5/27/2004	12:16	IP040521-3
		0404190-1	DUP	100	5/27/2004	12:20	IP040521-3
		IP040521-3	MB	10	5/27/2004	12:24	IP040521-3
		IM040521-3	LCS	10	5/27/2004	12:27	IP040521-3
		0404190-1	SMP	100	5/27/2004	12:31	IP040521-3
		0404190-1	DUP	100	5/27/2004	12:34	IP040521-3
		IP040518-1	MB	10	5/27/2004	12:38	IP040518-1
		IM040518-1	LCS	10	5/27/2004	12:43	IP040518-1

Data Package ID: IM0405095-1

Paragon Analytics
LIMS Version: 5.028A

Date Printed: Tuesday, June 08, 2004

ICPMS Run Log -- 5/27/2004

Instrument ID: ICPMS
File Name: 27MAY04A
AnalRunID: IM040527-1A1
CalibRefID: IM040527-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0405058-1	SMP	10	5/27/2004	12:47	IP040518-1
		0405058-1	DUP	10	5/27/2004	12:51	IP040518-1
		CCV3	CCV	1	5/27/2004	12:54	
		CCB3	CCB	1	5/27/2004	12:58	
		0405058-1	SER	50	5/27/2004	13:01	IP040518-1
		0405058-1	MS	10	5/27/2004	13:05	IP040518-1
		0405058-1	MSD	10	5/27/2004	13:08	IP040518-1
		0405058-2	SMP	10	5/27/2004	13:12	IP040518-1
		0405058-3	SMP	10	5/27/2004	13:16	IP040518-1
		IP040518-1	MB	10	5/27/2004	13:19	IP040518-1
		IM040518-1	LCS	10	5/27/2004	13:23	IP040518-1
		0405058-1	SMP	10	5/27/2004	13:26	IP040518-1
		0405058-1	DUP	10	5/27/2004	13:30	IP040518-1
		0405058-1	SER	50	5/27/2004	13:34	IP040518-1
		CCV4	CCV	1	5/27/2004	13:37	
		CCB4	CCB	1	5/27/2004	13:41	
		0405058-1	MS	10	5/27/2004	13:44	IP040518-1
		0405058-1	MSD	10	5/27/2004	13:48	IP040518-1
		0405058-2	SMP	10	5/27/2004	13:51	IP040518-1
		0405058-3	SMP	10	5/27/2004	13:55	IP040518-1
		CCV5	CCV	1	5/27/2004	13:59	
		CCB5	CCB	1	5/27/2004	14:02	
		IP040521-3	MB	10	5/27/2004	14:22	IP040521-3
		IP040518-1	MB	1	5/27/2004	14:25	IP040518-1
		IM040518-1	LCS	1	5/27/2004	14:29	IP040518-1
		0405058-2	SMP	1	5/27/2004	14:33	IP040518-1
		0405058-3	SMP	1	5/27/2004	14:36	IP040518-1
		0404190-1	SMP	10	5/27/2004	14:40	IP040521-3
		CCV6	CCV	1	5/27/2004	14:43	
		CCB6	CCB	1	5/27/2004	14:47	
		0405170-1	SMP	100	5/27/2004	14:50	IP040526-21
		0405170-1	DUP	100	5/27/2004	14:54	IP040526-21
		0405170-1	SMP	10	5/27/2004	14:58	IP040526-21
		0405170-1	DUP	10	5/27/2004	15:01	IP040526-21
		0405170-1	SMP	10	5/27/2004	15:05	IP040526-21

Data Package ID: IM0405095-1

ICPMS Run Log -- 5/27/2004

Instrument ID: ICPMS
File Name: 27MAY04A
AnalRunID: IM040527-1A1
CalibRefID: IM040527-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0405170-1	DUP	10	5/27/2004	15:08	IP040526-21
		0404190-1	SMP	1000	5/27/2004	15:12	IP040521-3
		0404190-1	SMP	100	5/27/2004	15:15	IP040521-3
		0404190-1	DUP	100	5/27/2004	15:19	IP040521-3
		0404190-1	SMP	100	5/27/2004	15:23	IP040521-3
		CCV7	CCV	1	5/27/2004	15:26	
		CCB7	CCB	1	5/27/2004	15:30	
		IP040527-21	MB	10	5/27/2004	15:44	IP040527-21
		IP040527-21	LCS	10	5/27/2004	15:48	IP040527-21
		0405126-1	SMP	50	5/27/2004	15:51	IP040527-21
		0405126-2	SMP	50	5/27/2004	15:55	IP040527-21
		CCV8	CCV	1	5/27/2004	15:59	
		CCB8	CCB	1	5/27/2004	16:02	
		IP040521-1	MB	10	5/27/2004	16:06	IP040521-1
		IM040521-1	LCS	10	5/27/2004	16:09	IP040521-1
	SW-01	0405095-1	SMP	10	5/27/2004	16:13	IP040521-1
	SW-01	0405095-1	DUP	10	5/27/2004	16:16	IP040521-1
	SW-01	0405095-1	SER	10	5/27/2004	16:20	IP040521-1
	SW-01	0405095-1	MS	10	5/27/2004	16:23	IP040521-1
	SW-01	0405095-1	MSD	10	5/27/2004	16:27	IP040521-1
	SW-05	0405095-4	SMP	10	5/27/2004	16:31	IP040521-1
	SW-07	0405095-6	SMP	10	5/27/2004	16:34	IP040521-1
		CCV9	CCV	1	5/27/2004	16:38	
		CCB9	CCB	1	5/27/2004	16:47	

Data Package ID: IM0405095-1

ICPMS Run Log -- 5/28/2004

Instrument ID: ICPMS
File Name: 28MAY04A
AnalRunID: IM040528-1A1
CalibRefID: IM040528-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0 ST	DUP		5/28/2004	14:02	IP040528-3
		0.1(MO)_ 2 (AL)	DUP		5/28/2004	14:05	IP040528-3
		LOW ST	DUP		5/28/2004	14:08	IP040528-3
		MI	DUP		5/28/2004	14:11	IP040528-3
		HIGH ST	DUP		5/28/2004	14:14	IP040528-3
		MIXAHIGH	MIXAH	1	5/28/2004	14:18	
		ICV	ICV	1	5/28/2004	14:21	
		ICB	ICB	1	5/28/2004	14:29	
		CRI1	CRI	1	5/28/2004	14:34	
		IP040521-1	MB	10	5/28/2004	14:37	IP040528-3
		IP040521-1	LCS	10	5/28/2004	14:40	IP040528-3
	SW-01	0405095-1	SMP	10	5/28/2004	14:43	IP040528-3
	SW-01	0405095-1	DUP	10	5/28/2004	14:46	IP040528-3
	SW-01	0405095-1	SER	50	5/28/2004	14:49	IP040528-3
	SW-01	0405095-1	MS	10	5/28/2004	14:53	IP040528-3
	SW-01	0405095-1	MSD	10	5/28/2004	14:56	IP040528-3
	SW-05	0405095-4	SMP	10	5/28/2004	14:59	IP040528-3
	SW-07	0405095-6	SMP	10	5/28/2004	15:02	IP040528-3
		CCV1	CCV	1	5/28/2004	15:05	
		CCB1	CCB	1	5/28/2004	15:08	
		IP040528-3	MB	10	5/28/2004	15:23	IP040528-3
		IP040528-3	LCS	10	5/28/2004	15:26	IP040528-3
	SW-07	0405095-6	SMP	10	5/28/2004	15:29	IP040528-3
	SW-07	0405095-6	DUP	10	5/28/2004	15:32	IP040528-3
	SW-07	0405095-6	SER	50	5/28/2004	15:35	IP040528-3
	SW-07	0405095-6	MS	10	5/28/2004	15:39	IP040528-3
	SW-07	0405095-6	MSD	10	5/28/2004	15:42	IP040528-3
	SW-05	0405095-4	SMP	10	5/28/2004	15:45	IP040528-3
		CCV2	CCV	1	5/28/2004	15:48	
		CCB2	CCB	1	5/28/2004	15:51	

Data Package ID: IM0405095-1

Paragon Analytics
LIMS Version: 5.028A

Date Printed: Tuesday, June 08, 2004

Mercury

Method SW7470

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: HG040517-1MB

Sample Matrix: LIQUID
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/17/2004
Date Analyzed: 05/17/2004

Prep Batch: HG040517-1
QCBatchID: HG040517-1-2
Run ID: HG040517-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 20 g
Final Volume: 20 g
Result Units: mg/l
Clean DF: 1
File Name: 04051701

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.0002	0.0002	U	

Data Package ID: *HG0405095-1*

Mercury

Method SW7470

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: HG040517-1LCS

Sample Matrix: LIQUID
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/17/2004
Date Analyzed: 05/17/2004

Prep Batch: HG040517-1
QCBatchID: HG040517-1-2
Run ID: HG040517-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 20 g
Final Volume: 20 g
Result Units: mg/l
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7439-97-6	MERCURY	0.001	0.001	0.0002		100	80 - 120%

Data Package ID: *HG0405095-1*

MERCURY

Method SW7470

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 17-May-04
Run ID: HG040517-1A1
Result Units: mg/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	0.002	0.00203	0.0002	N/A	102	80 - 120
CCV2	Continuing Calibration	0.002	0.00196	0.0002	N/A	98	80 - 120
ICV	Initial Calibration	0.001	0.001	0.0002	N/A	100	90 - 110

Data Package ID: *HG0405095-1*

MERCURY

Method SW7470

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 17-May-04
Run ID: HG040517-1A1
Result Units: mg/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	5/17/2004	0.0002	0.0002	U
CCB2	Continuing Calibration	5/17/2004	0.0002	0.0002	U
ICB	Initial Calibration	5/17/2004	0.0002	0.0002	U

Data Package ID: *HG0405095-1*

Metals Linear Ranges

Lab Name: **Paragon Analytics**
Work Order Number: 0405095
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 -- 5/17/2004

Instrument ID: CETAC
File Name: 04051701
AnalRunID: HG040517-1A1
CalibRefID: HG040517-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		STD0	STD0	1	5/17/2004	15:09	
		STD1	STD1	1	5/17/2004	15:10	
		STD2	STD2	1	5/17/2004	15:12	
		STD3	STD3	1	5/17/2004	15:14	
		STD4	STD4	1	5/17/2004	15:15	
		STD5	STD5	1	5/17/2004	15:17	
		IPC	IPC	1	5/17/2004	15:19	
		ICV	ICV	1	5/17/2004	15:20	
		ICB	ICB	1	5/17/2004	15:22	
		CRA1	CRA	1	5/17/2004	15:23	
		HG040517-1	MB	1	5/17/2004	15:25	HG040517-1
		HG040517-1	LCS	1	5/17/2004	15:26	HG040517-1
		HG040517-1	LCSD	1	5/17/2004	15:28	HG040517-1
		0405104-1	SMP	1	5/17/2004	15:30	HG040517-1
		0405104-1	DUP	1	5/17/2004	15:31	HG040517-1
		0405104-1	MS	1	5/17/2004	15:33	HG040517-1
		0405104-1	MSD	1	5/17/2004	15:34	HG040517-1
		0405120-1	SMP	1	5/17/2004	15:36	HG040517-1
		0405120-2	SMP	1	5/17/2004	15:38	HG040517-1
		CCV1	CCV	1	5/17/2004	15:39	
		CCB1	CCB	1	5/17/2004	15:41	
	SW-05	0405095-4	SMP	1	5/17/2004	15:42	HG040517-1
	SW-07	0405095-6	SMP	1	5/17/2004	15:44	HG040517-1
		0405102-1	SMP	1	5/17/2004	15:46	HG040517-1
		0405126-1	SMP	1	5/17/2004	15:55	HG040517-1
		0405126-2	SMP	1	5/17/2004	15:56	HG040517-1
		EX040516-2	MB	1	5/17/2004	15:58	HG040517-1
		EX040516-2	LCS	1	5/17/2004	15:59	HG040517-1
		CCV2	CCV	1	5/17/2004	16:01	
		CCB2	CCB	1	5/17/2004	16:03	
		0405075-6	SMP	1	5/17/2004	16:04	HG040517-1
		0405075-6	DUP	1	5/17/2004	16:06	HG040517-1
		0405075-6	MS	1	5/17/2004	16:07	HG040517-1
		0405075-6	MSD	1	5/17/2004	16:09	HG040517-1
		CCV3	CCV	1	5/17/2004	16:11	

Data Package ID: HG0405095-1

Paragon Analytics
LIMS Version: 5.028A

Date Printed: Tuesday, June 08, 2004

Mercury Run Log -- 5/17/2004

Instrument ID: CETAC
File Name: 04051701
AnalRunID: HG040517-1A1
CalibRefID: HG040517-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		CCB3	CCB	1	5/17/2004	16:12	
		CCV4	CCV	1	5/17/2004	16:24	
		CCB4	CCB	1	5/17/2004	16:25	
		0405102-1	SMP	400	5/17/2004	16:33	HG040517-1
		0405102-1	DUP	400	5/17/2004	16:34	HG040517-1
		0405102-1	MS	400	5/17/2004	16:36	HG040517-1
		0405102-1	MSD	400	5/17/2004	16:38	HG040517-1
		0405126-1	SMP	1	5/17/2004	16:39	HG040517-1
		0405126-2	SMP	1	5/17/2004	16:41	HG040517-1
		CCV5	CCV	1	5/17/2004	16:42	
		CCB5	CCB	1	5/17/2004	16:44	

Data Package ID: HG0405095-1

Raw Data

HEADER INFORMATION FOR ANALYTICAL SEQUENCE T40524A

SW

Reviewed 5-27-04

STANDARD SOLUTION CODES

MIX A High Standard (ST030528-4) exp 07/31/04

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 (ST040517-1) exp 06/01/04
0.04ml 1000ug/ml Ag (ST030516-26) exp 07/31/04
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 (ST040518-1) exp 6/01/04
0.1ml Intermediate RL STD MIX 2 (ST030529-14) exp 7/31/04

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: 05/19/04)
Made by diluting:
5ml 10000ug/ml Al (ST030515-5) exp 06/01/04
5ml 10000ug/ml Ca (ST030515-7) exp 06/01/04
5ml 10000ug/ml Mg (ST030515-10) exp 06/01/04
2ml 10000ug/ml Fe (ST030515-9) exp 06/01/04
to 100ml final volume

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

ICSAB (prepraration date: 05/19/04)
Made by diluting:
5ml 10000ug/ml Al (ST030515-5) exp 06/01/04
5ml 10000ug/ml Ca (ST030515-7) exp 06/01/04
5ml 10000ug/ml Mg (ST030515-10) exp 06/01/04
2ml 10000ug/ml Fe (ST030515-9) exp 06/01/04
1.0ml (ST030515-3) exp 06/01/04
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: 05/24/04
made by diluting:
0.5ml IV-7 (ST030515-2) exp 06/01/04
0.5ml IV-19 (ST030515-1) exp 06/01/04

5.0ml Major Element 2nd source (ST030602-6) exp 06/01/04 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: 05/10/04)
Made by diluting:
1.0ml intermediate solution 1 (ST030602-7) exp 06/01/04
1.0ml intermediate solution 2 (ST030602-8) exp 06/01/04
1.0ml intermediate solution 3 (ST030602-9) exp 06/01/04
0.5ml 2000ug/ml Ca,Mg,Na,K (ST030602-5) exp 06/01/04
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: 05/24/04

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

No post digestion analytical spikes were made during this sequence.

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 (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	05/24/04	10:14	SW	Q	CONC
2	MIXAHIGH	T	TRACE	05/24/04	10:16	SW	Q	CONC
3	ICV	T	TRACE	05/24/04	10:19	SW	Q	CONC
4	ICB	T	TRACE	05/24/04	10:24	SW	B	CONC
5	CRI	T	TRACE	05/24/04	10:26	SW	S	CONC
6	ICSA	T	TRACE	05/24/04	10:29	SW	Q	CONC
7	ICSAB	T	TRACE	05/24/04	10:31	SW	Q	CONC
8	CCV	T	TRACE	05/24/04	10:34	SW	Q	CONC
9	CCB	T	TRACE	05/24/04	10:36	SW	B	CONC
10	0405124-9 As, Mn	T	TRACE	05/24/04	10:39	SW	S	CONC
11	IP040521-1MB	T	TRACE	05/24/04	10:41	SW	S	CONC
12	IP040521-1LCS	T	TRACE	05/24/04	10:44	SW	S	CONC
13	0405095-1 ①	T	TRACE	05/24/04	10:46	SW	S	CONC
14	0405095-1D	T	TRACE	05/24/04	10:49	SW	S	CONC
15	0405095-1L 5X	T	TRACE	05/24/04	10:51	SW	S	CONC
16	0405095-1MS	T	TRACE	05/24/04	10:54	SW	S	CONC

① = As, Ba, Be, Ca, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Se, V, Zn

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
17	0405095-1MSD (1)	T	TRACE	05/24/04	10:56	SW	S	CONC
18	0405095-2	T	TRACE	05/24/04	10:59	SW	S	CONC
19	0405095-3	T	TRACE	05/24/04	11:01	SW	S	CONC
20	CCV	T	TRACE	05/24/04	11:04	SW	Q	CONC
21	CCB	T	TRACE	05/24/04	11:06	SW	B	CONC
22	0405095-4	T	TRACE	05/24/04	11:09	SW	S	CONC
23	0405095-5	T	TRACE	05/24/04	11:11	SW	S	CONC
24	0405095-6	T	TRACE	05/24/04	11:14	SW	S	CONC
25	0405095-7	T	TRACE	05/24/04	11:16	SW	S	CONC
26	0405095-8	T	TRACE	05/24/04	11:19	SW	S	CONC
27	0405095-9	T	TRACE	05/24/04	11:21	SW	S	CONC
28	0405095-10	T	TRACE	05/24/04	11:24	SW	S	CONC
29	IP040521-3MB	T	TRACE	05/24/04	11:42	SW	S	CONC
30	IP040521-3LCS	T	TRACE	05/24/04	11:44	SW	S	CONC
31	040~~5~~4190-1 TAL—(2)	T	TRACE	05/24/04	11:47	SW	S	CONC
32	CCV SW 5/24/04	T	TRACE	05/24/04	11:49	SW	Q	CONC
33	CCB	T	TRACE	05/24/04	11:52	SW	B	CONC
34	040~~5~~4190-1D	T	TRACE	05/24/04	11:54	SW	S	CONC
35	040~~4~~5169-8 As	T	TRACE	05/24/04	11:57	SW	S	CONC
36	0404169-10	T	TRACE	05/24/04	11:59	SW	S	CONC
37	0404169-12	T	TRACE	05/24/04	12:02	SW	S	CONC
38	0404169-13 As, Cd	T	TRACE	05/24/04	12:04	SW	S	CONC
39	0404169-13D	T	TRACE	05/24/04	12:07	SW	S	CONC
40	0404169-13L 5X	T	TRACE	05/24/04	12:09	SW	S	CONC
41	0404169-13MS	T	TRACE	05/24/04	12:12	SW	S	CONC
42	0404169-13MSD	T	TRACE	05/24/04	12:14	SW	S	CONC
43	0404190-1 2X (2)	T	TRACE	05/24/04	12:20	SW	S	CONC
44	CCV	T	TRACE	05/24/04	12:23	SW	Q	CONC
45	CCB	T	TRACE	05/24/04	12:25	SW	B	CONC
46	0404190-1D 2X	T	TRACE	05/24/04	12:28	SW	S	CONC
47	0405169-8 2X Cd, Pb	T	TRACE	05/24/04	12:30	SW	S	CONC
48	0405169-10 5X	T	TRACE	05/24/04	12:33	SW	S	CONC
49	0405169-12 2X Cd	T	TRACE	05/24/04	12:35	SW	S	CONC
50	0405169-12 5X Pb	T	TRACE	05/24/04	12:38	SW	S	CONC
51	0405169-13 5X Pb	T	TRACE	05/24/04	12:40	SW	S	CONC
52	0405169-13D 5X	T	TRACE	05/24/04	12:43	SW	S	CONC
53	~~0405169-13L 25X~~ Not used. SW 5/24/04	T	TRACE	05/24/04	12:45	SW	S	CONC
54	0405169-13MS 5X Pb	T	TRACE	05/24/04	12:48	SW	S	CONC
55	0405169-13MSD 5X	T	TRACE	05/24/04	12:51	SW	S	CONC
56	CCV	T	TRACE	05/24/04	12:53	SW	Q	CONC
57	CCB	T	TRACE	05/24/04	12:56	SW	B	CONC
58	~~0405169-13L 25X~~ Not used. SW 5/24/04	T	TRACE	05/24/04	12:59	SW	S	CONC
59	0405169-13L 25X Pb	T	TRACE	05/24/04	13:15	SW	S	CONC
60	CRI	T	TRACE	05/24/04	13:18	SW	S	CONC
61	ICSA	T	TRACE	05/24/04	13:20	SW	Q	CONC
62	ICSAB	T	TRACE	05/24/04	13:23	SW	Q	CONC
63	CCV	T	TRACE	05/24/04	13:25	SW	Q	CONC
64	CCB	T	TRACE	05/24/04	13:28	SW	B	CONC

SW 5/24/04

(1) = As, Ba, Be, Ca, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Se, V, Zn

(2) = Fe, Cd, Pb, Se, Tl

#	Element	MIXBHIGH	MIXAHIGH	ICV	ICB	CRI	ICSA
1	Al	.08746	498.03	24.818	-.01926	.50305	489.46
2	Sb	2.0086	.01363	.24864	-.00208	.13625	.00632
3	As	9.9938	.00222	.24290	-.00022	.00964	-.00278
4	Ba	10.022	.00225	.24793	-.00104	.43379	-.00058
5	Be	9.9658	.00303	.24571	.00019	.01069	.00089
6	Cd	9.9472	-.00072	.24357	-.00016	.01061	-.00345
7	Ca	.00767	489.49	25.071	-.00434	10.397	503.87
8	Cr	9.9325	.00748	.24490	-.00073	.02104	.00080
9	Co	9.9615	.00505	.24398	-.00032	.10782	.00043
10	Cu	10.034	.00586	.24962	.00028	.05891	-.00263
11	Fe	-.05265	197.69	10.100	-.00035	.25441	203.12
12	Pb	9.9498	.00024	.24735	-.00063	.00509	.00395
13	Mg	-.02702	492.37	24.944	.00916	10.348	511.25
14	Mn	9.9312	.00925	.24262	-.00032	.03290	.00635
15	Ni	9.9680	.00494	.24231	-.00069	.08795	.00086
16	K_	.07073	99.988	10.032	.30197	9.6792	.09425
17	Se	9.9706	.01105	.24674	.00108	.01059	.00347
18	Ag	1.9851	.00376	.24446	.00108	.02149	-.00007
19	Na	.12131	100.10	10.169	.10238	9.6409	.15316
20	Tl	9.9629	.00929	.25488	.00230	.02129	.00126
21	V_	9.9595	.00671	.25058	-.00022	.11070	.00455
22	Zn	9.8865	.01696	.25089	-.00011	.05955	.00952

#	Element	ICSAB	CCV	CCB	040'24-9	IPO'-1MB	IPO'1LCS
					-124-9	-0524	→
1	Al	482.52	50.565	.00893	.00401	-.00540	2.2537
2	Sb	.56466	.48655	.00053	-.00238	.00046	.48591
3	As	.08931	.48849	.00096	-.00139	-.00083	2.0580
4	Ba	.48810	.50186	-.00100	.05084	-.00112	1.9583
5	Be	.46838	.50567	.00019	.00025	.00006	.05259
6	Cd	.85354	.48832	-.00021	-.00032	-.00032	.04898
7	Ca	497.84	52.028	.02046	212.82	.05086	40.937
8	Cr	.44800	.50290	-.00040	-.00161	-.00107	.19715
9	Co	.44350	.49409	.00010	.00090	.00024	.49317
10	Cu	.51769	.52096	.00068	.00149	.00059	.25084
11	Fe	200.44	21.021	.02155	.06250	.07976	.92371
12	Pb	.04527	.49726	.00052	-.00250	-.00115	.50256
13	Mg	503.67	51.408	.04494	74.502	.03541	40.569
14	Mn	.45827	.49174	-.00037	.40610	-.00014	.49000
15	Ni	.85251	.49059	-.00019	.00466	.00019	.48230
16	K_	.07545	20.562	.31418	1.1474	.35022	36.627
17	Se	.04961	.50444	-.00104	-.00024	-.00130	2.1665
18	Ag	.20301	.51568	.00088	.00080	.00084	L.00095
19	Na	.20107	20.994	.10611	16.171	.11291	37.516
20	Tl	.09148	.50880	.00046	.00238	.00300	2.0647
21	V_	.47263	.51043	.00013	-.00022	.00022	.50763
22	Zn	.88116	.49345	.00017	.00667	.00185	.50006

#	Element	040'95-1	040'5-1D	040'L 5X	040'-1MS	040'1MSD	040'95-2
		-095					
1	Al	.07357	.06702	-.01175	2.3461	2.3434	.11263
2	Sb	-.00381	-.00351	.00313	.48796	.48475	-.00138
3	As	.00034	-.00020	-.00073	2.0634	2.0612	-.00048
4	Ba	.00067	.00010	-.00082	1.9834	1.9721	.00176
5	Be	.00029	.00029	.00011	.05238	.05242	.00024
6	Cd	-.00047	-.00053	-.00030	.04861	.04894	-.00039
7	Ca	.22073	.20514	.04700	40.658	40.574	.24019
8	Cr	-.00150	-.00158	-.00104	.19517	.19649	-.00131
9	Co	-.00018	-.00034	-.00024	.48906	.48949	.00012
10	Cu	.00233	.00048	.00072	.25126	.25097	.00008
11	Fe	.04398	.03124	.00809	.95548	.93062	.02413
12	Pb	-.00043	-.00141	.00000	.50101	.50295	-.00120
13	Mg	.24300	.23608	.07520	40.353	40.257	.26029
14	Mn	.00164	.00147	-.00001	.48945	.48938	.00231
15	Ni	-.00035	-.00065	-.00004	.48091	.48071	-.00030
16	K_	.43967	.47046	.38075	37.299	37.061	.45437
17	Se	.00105	-.00038	-.00084	2.1705	2.1613	.00254
18	Ag	.00012	.00001	.00106	.00000	.00004	.00106
19	Na	2.1178	2.0904	.51957	39.906	39.751	2.1687
20	Tl	.00417	.00181	.00398	2.0640	2.0600	.00618
21	V_	.00004	-.00032	-.00032	.50627	.50600	-.00022
22	Zn	.00280	.00243	.00243	.49793	.49595	.00302

#	Element	040'95-3	CCV	CCB	040'95-4	040'95-5	040'95-6
		-095			-095		
1	Al	.07539	49.781	.02258	.28395	.08012	.11323
2	Sb	-.00062	.48459	-.00148	-.00254	.00013	-.00134
3	As	-.00098	.48483	.00019	-.00038	-.00211	-.00159
4	Ba	.00052	.49726	-.00100	-.00055	.00273	.00545
5	Be	.00006	.49613	.00016	.00004	.00009	.00013
6	Cd	-.00050	.48749	-.00034	-.00063	-.00058	-.00048
7	Ca	2.3546	51.499	.02078	.56856	2.3493	2.1201
8	Cr	-.00098	.49649	-.00084	-.00152	-.00137	-.00118
9	Co	-.00014	.49059	-.00050	-.00024	-.00026	.00020
10	Cu	.00008	.50617	-.00051	-.00035	.00007	.00000
11	Fe	.07327	20.839	.01538	.62789	.10101	.01935
12	Pb	-.00007	.49382	-.00043	-.00067	-.00165	-.00089
13	Mg	.58060	50.851	.03321	.48757	1.8445	.36834
14	Mn	.00277	.48610	-.00040	.00966	.00939	.01459
15	Ni	.00155	.48586	-.00050	-.00029	-.00020	-.00019
16	K_	.56910	20.585	.30570	.30477	.94513	.45750
17	Se	.00086	.49935	.00035	-.00116	-.00167	-.00047
18	Ag	.00087	.50658	.00040	.00032	.00068	.00082
19	Na	2.9784	20.837	.10696	3.5066	11.357	2.5293
20	Tl	.00216	.50620	.00197	.00288	.00150	.00316
21	V_	.00004	.50455	.00004	-.00022	-.00059	-.00041
22	Zn	.00309	.49074	-.00018	.00674	.01236	.01828

#	Element	040'95-7	040'95-8	040'95-9	040'5-10	IPO'-3MB	IPO'3LCS
		-095	→	→	→	-0521	→
1	Al	.10594	.12217	.08988	.16748	-.00789	2.1740
2	Sb	-.00151	-.00268	-.00391	-.00318	-.00172	.47159
3	As	-.00141	-.00206	-.00150	-.00187	-.00023	1.9702
4	Ba	.00212	.00320	.00123	.00281	-.00117	1.9280
5	Be	.00016	.00011	.00021	.00008	.00004	.05010
6	Cd	-.00050	-.00055	-.00055	-.00054	-.00043	.04794
7	Ca	.92411	.56322	.41051	2.3118	.00909	39.665
8	Cr	-.00162	-.00165	-.00155	-.00171	-.00052	.19475
9	Co	-.00003	-.00030	-.00069	-.00042	.00024	.48093
10	Cu	.00017	.00001	-.00065	-.00067	-.00050	.24642
11	Fe	.02236	.01387	.00993	.16651	.07976	.92851
12	Pb	-.00122	-.00050	-.00106	-.00129	-.00044	.48522
13	Mg	.31401	.30011	.28472	1.7649	-.00736	39.012
14	Mn	.00177	.00293	.00210	.01406	-.00016	.47997
15	Ni	-.00016	.00257	-.00043	-.00074	-.00030	.47457
16	K_	.49782	.47773	.43083	.86515	.31484	35.787
17	Se	-.00325	-.00093	-.00042	.00019	.00105	1.9574
18	Ag	.00043	.00067	.00000	.00026	.00114	.04948
19	Na	2.2061	2.4409	2.3521	10.858	.10440	36.047
20	Tl	.00079	.00147	.00045	-.00065	.00334	1.9906
21	V_	-.00022	-.00077	-.00041	-.00032	-.00032	.49650
22	Zn	.00616	.01609	.00528	.00338	.00148	.48501

#	Element	040'90-1	CCV	CCB	040'0-1D	040'69-8	040'9-10
		-190			-190	-169	→
1	Al	97.932	49.390	.02746	97.271	78.457	119.30
2	Sb	.37376	.47471	-.00135	.39651	.05638	.12078
3	As	.72022	.48360	-.00096	.69859	.43196	1.0552
4	Ba	2.2333	.48959	-.00089	2.1897	2.6075	5.0296
5	Be	.59577	.49334	.00023	.57782	.00711	.01460
6	Cd	.65487	.48274	-.00012	.63939	.04971	.31787
7	Ca	183.39	51.374	.02858	183.49	177.45	214.11
8	Cr	.59034	.49284	-.00051	.57932	.13232	.11817
9	Co	.42572	.48665	-.00015	.41495	.07332	.15526
10	Cu	1.0190	.50310	-.00010	1.2155	2.7362	H27.721
11	Fe	H215.72	20.662	.02269	H213.46	H253.25	H438.47
12	Pb	1.1465	.49269	.00024	1.1138	H15.223	H33.675
13	Mg	51.244	50.624	.03252	51.247	38.542	43.309
14	Mn	6.7889	.48351	-.00009	6.8090	3.9698	H25.754
15	Ni	1.6890	.48283	-.00032	1.6435	.12540	.22644
16	K_	24.240	20.380	.41285	23.737	17.610	13.761
17	Se	.71547	.49337	.00044	.69602	.01845	.07602
18	Ag	.49880	.50495	.00093	.48471	.05623	.30180
19	Na	9.8368	20.708	.11003	9.5344	7.7284	16.911
20	Tl	.42564	.50631	.00466	.40055	.02111	.04225
21	V_	.76739	.49949	-.00022	.75770	.51522	.39977
22	Zn	3.4786	.48729	.00039	3.3838	H10.180	C.00000

#	Element	040'9-12	040'9-13	040'-13D	040'L 5X	040'13MS	040'3MSD
		-169	→				
1	Al	60.683	4.1461	4.0801	.84595	15.135	16.380
2	Sb	.06340	.29719	.30326	.06620	.79394	.80044
3	As	.57465	2.9951	2.7712	.60568	4.8001	4.9200
4	Ba	1.8769	.27124	.24200	.05401	2.1783	2.2267
5	Be	.00464	.00056	.00056	.00015	.05087	.05074
6	Cd	.01985	.00238	.00277	.00037	.05055	.04961
7	Ca	181.46	5.2675	4.7515	1.0332	44.779	46.663
8	Cr	.17093	.00355	.00418	-.00075	.19984	.19952
9	Co	.11708	.00126	.00132	-.00032	.48151	.47816
10	Cu	H10.081	1.3322	1.2564	.26641	1.5254	1.5760
11	Fe	H252.33	174.27	172.57	32.244	177.09	180.72
12	Pb	H10.024	H15.263	H13.380	3.1002	H13.755	H13.822
13	Mg	59.027	.62451	.58818	.11710	39.455	39.479
14	Mn	H32.989	.03354	.02788	.00546	.51575	.51582
15	Ni	.20727	.01302	.01197	.00212	.48365	.48246
16	K_	24.326	15.728	15.625	3.5014	53.502	54.540
17	Se	.11424	.00938	.00835	.00073	1.9517	1.9649
18	Ag	.05271	.49426	.46317	.09664	.48691	.48552
19	Na	2.5243	.89515	.91380	.24684	38.043	38.200
20	Tl	.01483	.29157	.25321	.06099	2.2118	2.2103
21	V_	1.8265	.01520	.01475	.00256	.51414	.51260
22	Zn	5.7692	3.0538	3.0580	.62654	3.5103	3.3629
						-169	

#	Element	040'1 2X	CCV	CCB	040'D 2X	040'8 2X	040'0 5X
		-190-1			-190-1D	8	10
1	Al	49.189	49.693	.03936	48.929	39.794	24.153
2	Sb	.19777	.48425	-.00163	.21426	.02793	.02396
3	As	.36360	.49180	.00021	.35317	.21989	.21104
4	Ba	1.1402	.49273	-.00094	1.1080	1.3308	1.0395
5	Be	.29759	.49494	.00022	.29188	.00369	.00307
6	Cd	.34044	.48824	-.00022	.33487	.02644	.07059
7	Ca	91.200	51.785	.02902	92.209	89.770	43.266
8	Cr	.30181	.49885	-.00081	.29855	.06804	.02428
9	Co	.21876	.49171	-.00046	.21346	.03802	.03246
10	Cu	.50815	.50874	-.00045	.60560	1.3858	5.5132
11	Fe	103.76	20.807	.01685	103.68	122.76	77.745
12	Pb	.59445	.49360	-.00046	.58008	7.8930	7.0826
13	Mg	25.921	51.022	.02918	26.197	19.864	9.1337
14	Mn	3.4238	.48417	-.00006	3.4568	2.0395	5.1840
15	Ni	.87750	.48869	-.00011	.85852	.06586	.04896
16	K_	12.351	20.605	.30785	12.057	8.9763	2.8483
17	Se	.36415	.49729	.00062	.35252	.00695	.01351
18	Ag	.24517	.50897	.00034	.23889	.02791	.05873
19	Na	4.7665	20.898	.10781	4.5771	3.7666	3.1488
20	Tl	.21017	.51023	.00029	.20612	.01068	.00208
21	V_	.39091	.50392	-.00068	.38784	.26585	.08361
22	Zn	1.7724	.49096	.00046	1.7655	5.2729	H12.596

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#	Element	040'2(2X)	040'2 (5X)	040'3 5X	040'D 5X	~~040' 25X~~	040'S 5X
		12	12	13	13D		13MS
1	Al	30.818	12.405	.87991	.86893	-.01300	3.2159
2	Sb	.03178	.01722	.06679	.06707	-.00144	.17492
3	As	.29065	.11875	.59956	.55648	.00044	.98572
4	Ba	.96816	.38662	.05314	.04785	-.00120	.44204
5	Be	.00242	.00104	.00015	.00015	.00005	.01026
6	Cd	.01015	.00415	.00044	.00041	-.00046	.01071
7	Ca	91.774	36.680	1.0399	.93898	-.00046	8.9730
8	Cr	.08754	.03557	.00000	-.00007	-.00136	.04071
9	Co	.06036	.02505	-.00050	.00027	-.00006	.10047
10	Cu	5.0479	1.9922	.26119	.24977	.00028	.30303
11	Fe	122.35	47.705	32.077	31.822	.01027	33.411
12	Pb	5.2348	2.1221	3.0709	2.7021	.00004	2.8378
13	Mg	30.108	12.325	.12425	.12223	-.01197	8.2073
14	Mn	H16.228	6.5155	.00699	.00565	-.00002	.10662
15	Ni	.10770	.04410	.00219	.00244	-.00024	.10157
16	K_	12.483	5.0316	3.5158	3.5248	.42695	10.963
17	Se	.05544	.02057	.00286	.00127	-.00012	.40146
18	Ag	.02563	.01077	.09625	.09069	.00066	.09547
19	Na	1.2430	.50961	.24603	.25420	.11014	7.4998
20	Tl	.00318	.00320	.05992	.05158	.00129	.45667
21	V_	.94054	.38404	.00265	.00292	-.00068	.10573
22	Zn	2.9887	1.2436	.62853	.63110	.00156	.74032

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#	Element	040'D 5X	CCV	CCB	~~040' 25X~~	040' 25X	CRI
		13MSD				13L	
1	Al	3.4078	49.113	.02124	.06835	.19251	.46027
2	Sb	.17863	.47530	.00044	.00735	.01620	.13296
3	As	.99417	.48241	-.00037	.00006	.11911	.01107
4	Ba	.45019	.48403	-.00098	.00329	.00978	.40921
5	Be	.01015	.49113	.00016	.00006	.00009	.01015
6	Cd	.01048	.48128	-.00018	-.00027	-.00012	.00987
7	Ca	9.2903	51.195	.01315	.07683	.20200	9.9042
8	Cr	.04046	.49457	-.00078	-.00081	-.00078	.01964
9	Co	.09928	.48664	-.00013	-.00024	-.00063	.10390
10	Cu	.31025	.50294	-.00008	.02143	.05355	.05145
11	Fe	33.831	20.567	.01501	[illegible]	6.1443	.22342
12	Pb	2.8162	.49089	.00036	.2497	.61649	.00634
13	Mg	8.1513	50.620	.01565	-.00088	.01594	9.9958
14	Mn	.10579	.47836	-.00023	.00005	.00058	.03055
15	Ni	.10097	.47971	-.00002	-.00015	.00060	.08301
16	K_	11.067	20.342	.36668	.67029	1.0997	8.9879
17	Se	.39709	.49011	-.00095	.00056	.00051	.00770
18	Ag	.09484	.49452	.00079	.00859	.02001	.02005
19	Na	7.4837	20.572	.10834	.12673	.15114	8.9786
20	Tl	.45835	.50576	.00500	.00592	.01793	.02179
21	V_	.10438	.49940	.00022	-.00004	.00049	.10555
22	Zn	.70306	.48875	.00046	~~.05253~~	.13067	.04406

#	Element	ICSA	ICSAB	CCV	CCB
1	Al	487.22	478.26	49.209	.03881
2	Sb	.00482	.56402	.47545	.00087
3	As	-.00097	.09299	.48432	-.00033
4	Ba	-.00055	.48021	.48535	-.00093
5	Be	.00087	.46681	.49014	.00024
6	Cd	-.00292	.85618	.47976	-.00004
7	Ca	508.48	502.90	51.287	.03385
8	Cr	.00135	.45173	.49423	-.00042
9	Co	.00091	.44533	.48716	-.00022
10	Cu	-.00284	.51543	.50328	.00021
11	Fe	203.65	200.96	20.614	.03387
12	Pb	.00150	.04515	.48961	-.00021
13	Mg	516.18	509.55	50.635	.05179
14	Mn	.00635	.45588	.47908	-.00017
15	Ni	.00144	.85434	.47832	-.00004
16	K_	.15754	.17078	20.398	.39506
17	Se	.00216	.04934	.49438	-.00010
18	Ag	.00040	.20324	.49655	.00134
19	Na	.15490	.20172	20.679	.10965
20	Tl	-.00021	.09722	.50426	.00282
21	V_	.00500	.47173	.49940	.00013
22	Zn	.00974	.88751	.48802	.00046

Method: TRACE Standard Name: BLANK Operator:
Run Time: 05/24/04 09:58:25
Comment:
Correction Factor: 1

T40524A

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.5369731	-.085496	-.443978	.2399880	.0224989	1.696415	.1694915
SDev	.0127273	.078485	.029697	.0763637	.0403031	.019091	.0021212
%RSD	2.370192	91.79983	6.688845	31.81981	179.1337	1.125368	1.251519
#1	.5279736	-.029999	-.422979	.1859907	.0509974	1.709914	.1709914
#2	.5459727	-.140993	-.464977	.2939853	-.006000	1.682916	.1679916
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.3929803	.3569821	.1079946	-.007500	.3007349	.3449827	.0509974
SDev	.0042424	.0169697	.0445455	.002121	.0307576	.0127273	.0169697
%RSD	1.079550	4.753659	41.24789	28.28427	10.22748	3.689255	33.27562
#1	.3959802	.3689815	.1394930	-.009000	.3224839	.3539823	.0629968
#2	.3899805	.3449827	.0764962	-.006000	.2789860	.3359832	.0389980
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	16.22619	.3014849	.0689966	5.921704	.0787461	.1214939	.0089996
SDev	.17394	.0445455	.0042424	.101818	.0222728	.0615152	.0042424
%RSD	1.071965	14.77536	6.148754	1.719404	28.28427	50.63234	47.14045
#1	16.34918	.3329833	.0719964	5.993700	.0944953	.0779961	.0119994
#2	16.10319	.2699865	.0659967	5.849708	.0629968	.1649917	.0059997
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl
Avge	.0209989	-.031498	.0000000	.0000000	-.044998
SDev	.0000000	.099697	.0000000	.0000000	.038182
%RSD	.0000000	316.5144	.0000000	.0000000	84.85281
#1	.0209989	-.101995	.0000000	.0000000	-.017999
#2	.0209989	.0389980	.0000000	.0000000	-.071996
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: 05/24/04 09:59:46
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.9074546	.1994900	-.173991	.6134693	.0194990	2.301635	.2534873
SDev	.0063637	.1633335	.038182	.1548486	.0530304	.022273	.0084849
%RSD	.7012658	81.87552	21.94469	25.24146	271.9641	.9676929	3.347255
#1	.9029548	.3149842	-.200990	.7229638	.0569972	2.317384	.2594870
#2	.9119544	.0839958	-.146993	.5039748	-.017999	2.285886	.2474876
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.5759712	6.458677	.3082346	.0682466	.2467377	.4784760	.3164842
SDev	.0042424	.000000	.0180303	.0137879	.0604546	.0233334	.0403031
%RSD	.7365677	.0000000	5.849544	20.20305	24.50157	4.876599	12.73462
#1	.5789710	6.458677	.3209840	.0779961	.2894855	.4949752	.3449827
#2	.5729713	6.458677	.2954852	.0584971	.2039898	.4619769	.2879856
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	18.41008	6.017699	.2707365	38.12660	.4627268	.3614819	.0434978
SDev	.21636	.059394	.0074243	.24394	.0137879	.0275758	.0063636
%RSD	1.175246	.9869832	2.742243	.6398138	2.979706	7.628536	14.62979
#1	18.56307	6.059697	.2759862	37.95410	.4724764	.3809809	.0479976
#2	18.25709	5.975701	.2654867	38.29908	.4529773	.3419829	.0389980
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Tl
Avge	.1274936	.1717414	-.022499
SDev	.0021212	.0710607	.031818
%RSD	1.663776	41.37656	141.4214
#1	.1289935	.2219889	-.044998
#2	.1259937	.1214939	.0000000
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: 05/24/04 10:01:06
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	37.95185	60.34498	6.898155	21.09944	59.52902	78.05160
SDev	.28318	.19515	.044546	.09545	.32667	.44333
%RSD	.7461585	.3233929	.6457598	.4524014	.5487503	.5680007
#1	37.75161	60.20699	6.866656	21.16694	59.29803	77.73811
#2	38.15209	60.48298	6.929653	21.03195	59.76001	78.36508
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: 05/24/04 10:02:26
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	383.7731	580.0495	67.50112	80.07799	609.3325	888.2721
SDev	2.6335	2.0003	.25242	.55152	2.6515	6.6288
%RSD	.6862134	.3448506	.3739531	.6887229	.4351517	.7462605
#1	381.9109	578.6351	67.32263	79.68801	607.4576	883.5848
#2	385.6352	581.4639	67.67961	80.46797	611.2075	892.9593
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: 05/24/04 10:03:47
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na

Avge	1915.151	2585.185	313.4618	374.6663	3082.070	4096.530
SDev	5.079	12.165	1.3936	.4751	19.367	1.432
%RSD	.2652126	.4705779	.4445923	.1268143	.6283672	.0349521
#1	1911.560	2576.583	312.4764	374.3303	3068.376	4095.518
#2	1918.743	2593.787	314.4473	375.0022	3095.764	4097.543
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: 05/24/04 10:05:10
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	3623.429	4580.489	591.8674	704.4847	6055.774	7015.735
SDev	4.527	29.396	3.2327	1.2261	54.721	2.123
%RSD	.1249265	.6417587	.5461924	.1740401	.9036171	.0302612
#1	3620.228	4559.703	589.5815	705.3518	6017.081	7017.237
#2	3626.630	4601.275	594.1533	703.6178	6094.468	7014.234
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: 05/24/04 10:06:33
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	8.830059	7.729114	3.802310	3.974801	2.792861	11.24944	18.90056
SDev	.023333	.061515	.120909	.140000	.050909	.03394	.03606
%RSD	.2642471	.7958892	3.179888	3.522194	1.822833	.3017041	.1907961
#1	8.813560	7.685615	3.716814	3.875806	2.828859	11.22544	18.87505

#2	8.846558	7.772611	3.887805	4.073796	2.756862	11.27344	18.92605
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	23.28783	3.818809	10.16274	6.834408	12.64962	9.422529	.7229638
SDev	.01060	.033939	.02652	.039242	.04985	.019092	.1654548
%RSD	.0455380	.8887415	.2609082	.5741891	.3940719	.2026156	22.88562
#1	23.28034	3.794810	10.14399	6.806660	12.61437	9.409029	.6059697
#2	23.29533	3.842808	10.18149	6.862157	12.68487	9.436029	.8399580
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	1.676916	2.072896	5.722214	.8339583
SDev	.008485	.012727	.137879	.0169697
%RSD	.5059785	.6139881	2.409537	2.034839
#1	1.670916	2.063897	5.819709	.8219589
#2	1.682916	2.081896	5.624719	.8459577
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: 05/24/04 10:07:56
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	79.35353	77.70061	40.98695	36.88016	27.49813	109.6738	180.2250
SDev	.08697	.69788	.56424	.28000	.05303	.3298	1.0564
%RSD	.1096043	.8981675	1.376638	.7592106	.1928526	.3007544	.5861373
#1	79.29203	77.20714	40.58797	36.68217	27.46063	109.4405	179.4780
#2	79.41503	78.19409	41.38593	37.07814	27.53562	109.9070	180.9719
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	229.1113	38.05910	100.3840	64.98650	123.9748	94.33253	8.036598
SDev	.8368	.20364	.4836	.24712	.5876	.47833	.080606
%RSD	.3652458	.5350558	.4817828	.3802627	.4739509	.5070676	1.002991
#1	228.5196	37.91510	100.0420	64.81176	123.5593	93.99430	7.979601
#2	229.7030	38.20309	100.7260	65.16124	124.3903	94.67076	8.093595

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	16.59817	20.44698	56.72641	8.852557
SDev	.08909	.15697	.21955	.021212
%RSD	.5367521	.7676914	.3870272	.2396182
#1	16.53517	20.33598	56.57117	8.837558
#2	16.66117	20.55797	56.88166	8.867557
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: 05/24/04 10:09:17
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	771.4264	761.1399	404.5913	359.4390	262.7029	1032.896	1590.851
SDev	4.7643	7.4200	3.4936	4.2085	1.2473	4.455	12.142
%RSD	.6175901	.9748541	.8635008	1.170853	.4747862	.4312677	.7632290
#1	768.0576	755.8932	402.1209	356.4632	261.8209	1029.746	1582.265
#2	774.7952	766.3867	407.0616	362.4149	263.5848	1036.046	1599.436
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	2150.592	372.6121	984.9310	645.9547	1165.418	917.4306	81.94540
SDev	15.134	3.0917	7.4168	3.1882	8.213	6.6797	.89303
%RSD	.7037094	.8297293	.7530283	.4935633	.7047588	.7280886	1.089784
#1	2139.890	370.4260	979.6865	643.7003	1159.610	912.7073	81.31393
#2	2161.293	374.7982	990.1755	648.2091	1171.226	922.1539	82.57687
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	162.8079	193.5518	547.2806	87.86110
SDev	1.1497	1.7882	3.9200	.95242
%RSD	.7061673	.9238771	.7162666	1.084011
#1	161.9949	192.2874	544.5088	87.18764
#2	163.6208	194.8162	550.0525	88.53457

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	05/24/04 10:13	Full Fit	1.000000
2203/2	220.352/2	05/24/04 10:13	Full Fit	1.000000
1960/1	196.021	05/24/04 10:13	Full Fit	1.000000
1960/2	196.022/2	05/24/04 10:13	Full Fit	1.000000
Ag	328.068	05/24/04 10:13	Full Fit	1.000000
Al	308.215	05/24/04 10:13	Full Fit	1.000000
Ba	493.409	05/24/04 10:13	Full Fit	1.000000
Be	313.042	05/24/04 10:13	Full Fit	1.000000
Ca	317.933	05/24/04 10:13	Full Fit	1.000000
Cd	226.502/2	05/24/04 10:13	Full Fit	1.000000
Co	228.616	05/24/04 10:13	Full Fit	1.000000
Cr	267.716	05/24/04 10:13	Full Fit	1.000000
Cu	324.753	05/24/04 10:13	Full Fit	1.000000
Fe	271.441	05/24/04 10:13	Full Fit	1.000000
K_	766.491	05/24/04 10:13	Full Fit	.999997
Mg	279.078	05/24/04 10:13	Full Fit	1.000000
Mn	257.610	05/24/04 10:13	Full Fit	1.000000
Na	588.991	05/24/04 10:13	Full Fit	.999999
Ni	231.604/2	05/24/04 10:13	Full Fit	1.000000
Sb	206.838/2	05/24/04 10:13	Full Fit	1.000000
V_	292.402	05/24/04 10:13	Full Fit	1.000000
Zn	206.200	05/24/04 10:13	Full Fit	1.000000
As	189.042/2	05/24/04 10:13	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	05/24/04 10:14	Full Fit	1.000000

Method: TRACE Sample Name: MIXBHIGH Operator: SW
Run Time: 05/24/04 10:14:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	10.000	9.9247	9.9893	9.9612	1.9851	.08746	10.022
SDev	.019	.0771	.0629	.0794	.0208	.00022	.096
%RSD	.19497	.77727	.63014	.79723	1.0502	.25777	.95556
#1	9.9863	9.8702	9.9448	9.9051	1.9704	.08762	9.9547
#2	10.014	9.9793	10.034	10.017	1.9999	.08731	10.090
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	9.9658	.00768	9.9472	9.9615	9.9325	10.034	-.05266
SDev	.0824	.00031	.0716	.0887	.0881	.104	.00242
%RSD	.82684	4.0085	.72022	.89068	.88685	1.0411	4.5958
#1	9.9075	.00790	9.8966	9.8987	9.8702	9.9602	-.05437
#2	10.024	.00746	9.9979	10.024	9.9948	10.108	-.05095
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	.07073	-.02702	9.9312	.12132	9.9680	2.0086	9.9595
SDev	.00855	.00037	.0849	.00005	.0829	.0285	.0929
%RSD	12.091	1.3811	.85485	.04099	.83212	1.4175	.93260
#1	.07678	-.02729	9.8711	.12135	9.9094	1.9885	9.8939
#2	.06468	-.02676	9.9912	.12128	10.027	2.0287	10.025
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	9.8865	9.9938	9.9498	9.9706	9.9629
SDev	.0781	.0927	.0579	.0739	.0722
%RSD	.79032	.92750	.58238	.74148	.72493
#1	9.8313	9.9282	9.9088	9.9183	9.9118
#2	9.9418	10.059	9.9908	10.023	10.014
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: 05/24/04 10:16:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.01887	.00978	.00305	.01504	.00377	498.03	.00226
SDev	.01286	.00790	.01329	.00728	.00166	3.14	.00080
%RSD	68.164	80.704	435.45	48.383	44.154	.63112	35.366
#1	-.00977	.00420	.01245	.00990	.00494	495.80	.00282
#2	-.02796	.01537	-.00635	.02019	.00259	500.25	.00169
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	.00304	489.49	-.00072	.00506	.00749	.00587	197.69
SDev	.00080	6.99	.00060	.00006	.00075	.00092	2.17
%RSD	26.371	1.4281	82.860	1.1043	10.017	15.662	1.0966
#1	.00360	484.55	-.00030	.00510	.00802	.00652	196.15
#2	.00247	494.44	-.00115	.00502	.00696	.00522	199.22
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	99.988	492.37	.00925	100.10	.00495	.01363	.00672
SDev	.316	5.55	.00071	.02	.00039	.00244	.00026
%RSD	.31617	1.1268	7.6289	.02375	7.9265	17.891	3.7990
#1	99.764	488.45	.00975	100.08	.00522	.01536	.00690
#2	100.21	496.29	.00875	100.11	.00467	.01191	.00654
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	.01697	.00223	.00024	.01105	.00929
SDev	.00093	.00090	.00098	.00043	.00417
%RSD	5.4772	40.285	404.54	3.8770	44.917
#1	.01631	.00159	-.00045	.01075	.01224
#2	.01763	.00286	.00094	.01135	.00634
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value					
Range					

Method: TRACE Sample Name: ICV Operator: SW
Run Time: 05/24/04 10:19:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.24393	.24906	.24358	.24832	.24447	24.818	.24793
SDev	.00562	.00247	.00428	.00314	.00105	.110	.00104
%RSD	2.3041	.99041	1.7591	1.2657	.43155	.44127	.42041
#1	.23996	.24732	.24055	.24610	.24372	24.741	.24720
#2	.24791	.25081	.24661	.25054	.24521	24.896	.24867
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	.24572	25.071	.24357	.24399	.24490	.24963	10.100
SDev	.00172	.170	.00083	.00084	.00152	.00076	.039
%RSD	.69908	.67747	.34155	.34222	.62164	.30236	.38754
#1	.24450	24.951	.24299	.24340	.24382	.24909	10.072
#2	.24693	25.191	.24416	.24458	.24598	.25016	10.127
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	10.032	24.944	.24263	10.169	.24231	.24864	.25059
SDev	.049	.164	.00150	.022	.00007	.00045	.00166
%RSD	.48951	.65631	.61886	.21722	.02821	.18008	.66275
#1	9.9970	24.828	.24157	10.153	.24227	.24833	.24941
#2	10.066	25.060	.24369	10.184	.24236	.24896	.25176
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	.25089	.24291	.24736	.24674	.25489
SDev	.00166	.00045	.00352	.00352	.00070
%RSD	.66039	.18591	1.4218	1.4279	.27447
#1	.24972	.24323	.24487	.24425	.25538
#2	.25206	.24259	.24984	.24923	.25439
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: 05/24/04 10:24:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00006	-.00091	-.00125	.00225	.00109	-.01926	-.00104
SDev	.00356	.00250	.00457	.00232	.00038	.00097	.00004
%RSD	5803.8	272.95	365.54	103.06	34.961	5.0448	3.6948
#1	-.00258	.00085	.00198	.00389	.00082	-.01857	-.00107
#2	.00245	-.00268	-.00448	.00061	.00136	-.01995	-.00101
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	.00019	-.00435	-.00016	-.00033	-.00074	.00029	-.00035
SDev	.00001	.00017	.00000	.00006	.00011	.00021	.00105
%RSD	5.5439	3.8222	2.8555	16.995	14.346	74.544	300.09
#1	.00018	-.00447	-.00016	-.00037	-.00081	.00014	-.00110
#2	.00020	-.00423	-.00017	-.00029	-.00066	.00044	.00039
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	.30197	.00916	-.00033	.10239	-.00069	-.00209	-.00023
SDev	.03410	.00080	.00000	.00054	.00007	.00071	.00038
%RSD	11.293	8.7740	.00000	.52705	9.7300	34.011	166.62
#1	.27786	.00973	-.00033	.10201	-.00074	-.00159	-.00050
#2	.32609	.00859	-.00033	.10277	-.00064	-.00259	.00004
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	-.00012	-.00023	-.00063	.00108	.00230
SDev	.00010	.00045	.00048	.00307	.00000
%RSD	88.439	198.19	76.180	283.30	.01458
#1	-.00019	-.00055	-.00029	.00325	.00230
#2	-.00004	.00009	-.00097	-.00109	.00230
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: 05/24/04 10:26:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00728	.00401	.01262	.00958	.02150	.50306	.43380
SDev	.00095	.00118	.00010	.00145	.00057	.00427	.00351
%RSD	13.048	29.396	.78548	15.110	2.6488	.84874	.80953
#1	.00661	.00318	.01269	.01060	.02110	.50004	.43132
#2	.00796	.00484	.01255	.00855	.02190	.50608	.43628
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01069	10.397	.01061	.10783	.02104	.05891	.25442
SDev	.00004	.103	.00013	.00131	.00021	.00059	.00326
%RSD	.41558	.98815	1.2600	1.2130	1.0039	1.0027	1.2820
#1	.01066	10.324	.01071	.10690	.02089	.05849	.25211
#2	.01072	10.469	.01052	.10875	.02119	.05933	.25672
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	9.6792	10.348	.03290	9.6409	.08796	.13625	.11070
SDev	.0705	.101	.00023	.0627	.00025	.00005	.00128
%RSD	.72886	.98087	.69812	.65002	.28215	.03773	1.1534
#1	9.6293	10.276	.03274	9.5966	.08778	.13622	.10980
#2	9.7290	10.419	.03307	9.6852	.08813	.13629	.11160
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.05955	.00964	.00510	.01059	.02130
SDev	.00124	.00231	.00110	.00100	.00119
%RSD	2.0820	23.919	21.620	9.4248	5.5850
#1	.05868	.00801	.00432	.01130	.02046
#2	.06043	.01127	.00588	.00989	.02214
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: 05/24/04 10:29:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.01902	.01543	-.01255	.01148	-.00008	489.46	-.00059
SDev	.00816	.00352	.00217	.00189	.00071	4.94	.00009
%RSD	42.891	22.817	17.327	16.467	927.64	1.0085	14.783
#1	-.01325	.01294	-.01101	.01281	.00043	485.97	-.00052
#2	-.02479	.01792	-.01409	.01014	-.00058	492.95	-.00065
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00089	503.87	-.00346	.00044	.00081	-.00264	203.12
SDev	.00002	2.96	.00022	.00014	.00022	.00002	1.36
%RSD	2.4627	.58653	6.4687	31.628	27.392	.62208	.67001
#1	.00091	501.78	-.00330	.00054	.00097	-.00265	202.16
#2	.00088	505.96	-.00362	.00034	.00065	-.00263	204.09
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	.09425	511.25	.00635	.15316	.00086	.00632	.00455
SDev	.00727	3.09	.00004	.00166	.00056	.00516	.00000
%RSD	7.7144	.60480	.66918	1.0821	64.956	81.662	.00000
#1	.09939	509.07	.00638	.15433	.00047	.00998	.00455
#2	.08911	513.44	.00632	.15199	.00126	.00267	.00455
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	.00952	-.00279	.00396	.00348	.00127
SDev	.00010	.00107	.00037	.00198	.00123
%RSD	1.0846	38.451	9.3220	57.092	97.183
#1	.00945	-.00203	.00422	.00488	.00040
#2	.00959	-.00355	.00370	.00207	.00214
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: 05/24/04 10:31:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03155	.05214	.03529	.05676	.20301	482.52	.48810
SDev	.00796	.01140	.00742	.00223	.00014	2.40	.00264
%RSD	25.221	21.869	21.018	3.9241	.06954	.49825	.54145
#1	.03717	.04407	.04053	.05834	.20291	480.82	.48624
#2	.02592	.06020	.03004	.05519	.20311	484.22	.48997
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	.46838	497.84	.85355	.44350	.44800	.51770	200.44
SDev	.00119	.46	.00089	.00047	.00104	.00338	.66
%RSD	.25482	.09320	.10479	.10695	.23144	.65296	.32721
#1	.46754	498.17	.85292	.44317	.44727	.51531	199.98
#2	.46923	497.52	.85418	.44384	.44874	.52009	200.91
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	.07546	503.67	.45828	.20108	.85252	.56467	.47264
SDev	.01735	1.09	.00144	.00000	.00085	.00986	.00128
%RSD	22.996	.21551	.31364	.00000	.10027	1.7468	.27054
#1	.08773	502.90	.45726	.20108	.85312	.57164	.47173
#2	.06319	504.44	.45929	.20108	.85192	.55769	.47354
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	.88117	.08931	.04528	.04961	.09148
SDev	.00125	.00130	.00496	.00396	.00049
%RSD	.14206	1.4528	10.944	7.9730	.53287
#1	.88028	.09023	.04178	.05241	.09114
#2	.88205	.08839	.04878	.04682	.09183
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: 05/24/04 10:34:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49855	.49662	.50701	.50317	.51568	50.565	.50186
SDev	.00462	.00568	.00540	.01116	.00338	.279	.00264
%RSD	.92623	1.1446	1.0642	2.2180	.65469	.55153	.52670
#1	.49529	.49260	.50319	.49528	.51330	50.368	.50000
#2	.50182	.50064	.51082	.51106	.51807	50.763	.50373
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	.50567	52.028	.48832	.49410	.50291	.52096	21.021
SDev	.00220	.113	.00141	.00139	.00127	.00356	.056
%RSD	.43530	.21778	.28916	.28204	.25251	.68351	.26604
#1	.50412	51.948	.48732	.49311	.50201	.51844	20.981
#2	.50723	52.108	.48932	.49508	.50381	.52348	21.060
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	20.562	51.408	.49174	20.994	.49059	.48656	.51043
SDev	.112	.154	.00208	.153	.00103	.00441	.00281
%RSD	.54297	.30017	.42297	.73038	.21098	.90609	.55121
#1	20.483	51.299	.49027	20.886	.48986	.48344	.50845
#2	20.641	51.517	.49322	21.103	.49132	.48968	.51242
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	.49346	.48849	.49726	.50445	.50880
SDev	.00062	.00275	.00533	.00924	.00216
%RSD	.12627	.56334	1.0717	1.8319	.42553
#1	.49302	.48654	.49349	.49792	.50727
#2	.49390	.49044	.50103	.51098	.51033
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: 05/24/04 10:36:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00224	.00191	-.00159	-.00078	.00088	.00894	-.00101
SDev	.00229	.00211	.00389	.00035	.00025	.01707	.00005
%RSD	102.22	110.46	244.42	44.627	28.732	191.02	4.7745
#1	-.00385	.00340	-.00434	-.00102	.00070	.02101	-.00097
#2	-.00062	.00042	.00116	-.00053	.00106	-.00313	-.00104
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	.00019	.02047	-.00022	.00011	-.00041	.00068	.02155
SDev	.00005	.00910	.00002	.00000	.00036	.00002	.00366
%RSD	28.261	44.461	10.381	.01600	88.096	2.4107	16.966
#1	.00023	.02690	-.00020	.00011	-.00015	.00069	.02414
#2	.00015	.01403	-.00023	.00011	-.00066	.00067	.01897
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	.31419	.04495	-.00037	.10611	-.00019	.00053	.00013
SDev	.02881	.01032	.00007	.00103	.00028	.00010	.00013
%RSD	9.1688	22.957	18.164	.96799	145.92	18.389	97.283
#1	.29382	.05224	-.00033	.10684	-.00039	.00046	.00004
#2	.33456	.03765	-.00042	.10538	.00001	.00060	.00022
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	.00018	.00097	.00053	-.00105	.00046
SDev	.00010	.00070	.00064	.00153	.00024
%RSD	58.903	72.806	122.09	145.66	51.875
#1	.00010	.00146	.00098	-.00213	.00063
#2	.00025	.00047	.00007	.00003	.00029
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: 0405124-9 Operator: SW
Run Time: 05/24/04 10:39:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00053	-.00349	.00398	-.00236	.00080	.00401	.05084
SDev	.00127	.00157	.00157	.00168	.00006	.00687	.00029
%RSD	241.50	44.995	39.331	71.193	7.0086	171.25	.56807
#1	.00037	-.00460	.00509	-.00355	.00084	.00887	.05064
#2	-.00143	-.00238	.00288	-.00117	.00076	-.00085	.05105
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00025	212.82	-.00033	.00091	-.00161	.00149	.06250
SDev	.00001	1.85	.00001	.00028	.00014	.00005	.00321
%RSD	4.3618	.86857	2.7052	30.571	8.5280	3.2975	5.1359
#1	.00026	211.51	-.00034	.00071	-.00171	.00146	.06023
#2	.00025	214.12	-.00032	.00111	-.00151	.00153	.06477
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	1.1474	74.502	.40611	16.171	.00466	-.00238	-.00023
SDev	.0076	.774	.00320	.115	.00056	.00094	.00038
%RSD	.65967	1.0386	.78738	.71047	12.015	39.660	166.62
#1	1.1421	73.955	.40385	16.089	.00427	-.00305	-.00050
#2	1.1528	75.049	.40837	16.252	.00506	-.00171	.00004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.00667	-.00139	-.00250	-.00025	.00239
SDev	.00021	.00126	.00062	.00060	.00166
%RSD	3.0947	90.812	24.879	241.57	69.655
#1	.00653	-.00228	-.00294	-.00067	.00356
#2	.00682	-.00050	-.00206	.00018	.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: IP040521-1MB Operator: SW
Run Time: 05/24/04 10:41:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00410	.00032	.00350	-.00371	.00084	-.00541	-.00112
SDev	.00103	.00070	.00010	.00162	.00036	.00385	.00006
%RSD	25.027	221.16	2.7874	43.835	43.392	71.286	5.1394
#1	-.00337	.00081	.00357	-.00256	.00110	-.00268	-.00108
#2	-.00483	-.00018	.00343	-.00486	.00058	-.00813	-.00116
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00006	.05087	-.00032	.00024	-.00108	.00060	.07977
SDev	.00000	.01678	.00000	.00047	.00036	.00003	.01028
%RSD	.19977	32.988	1.1441	194.65	33.257	5.4747	12.889
#1	.00006	.06273	-.00032	.00058	-.00083	.00062	.08704
#2	.00006	.03900	-.00032	-.00009	-.00133	.00058	.07250
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	.35023	.03542	-.00015	.11292	.00020	.00047	.00022
SDev	.00766	.01174	.00009	.00059	.00000	.00072	.00026
%RSD	2.1859	33.140	58.233	.52242	.31287	154.44	115.27
#1	.34481	.04372	-.00009	.11333	.00020	.00098	.00040
#2	.35564	.02712	-.00021	.11250	.00020	-.00004	.00004
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	.00185	-.00083	-.00115	-.00131	.00301
SDev	.00041	.00155	.00081	.00112	.00191
%RSD	22.271	186.42	70.180	85.343	63.410
#1	.00215	-.00193	-.00058	-.00052	.00436
#2	.00156	.00026	-.00173	-.00210	.00166
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: IP040521-1LCS Operator: SW
Run Time: 05/24/04 10:44:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49782	.50493	2.1645	2.1674	L.00095	2.2537	1.9583
SDev	.00131	.00138	.0136	.0252	.00072	.0067	.0037
%RSD	.26268	.27258	.62852	1.1646	75.293	.29630	.18791
#1	.49874	.50591	2.1549	2.1496	L.00045	2.2490	1.9557
#2	.49689	.50396	2.1742	2.1853	L.00146	2.2585	1.9609
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Low	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	.05260	40.937	.04899	.49317	.19716	.25085	.92372
SDev	.00043	.388	.00065	.00504	.00196	.00100	.02061
%RSD	.82357	.94870	1.3213	1.0225	.99184	.39902	2.2309
#1	.05229	40.663	.04853	.48961	.19578	.25014	.90914
#2	.05290	41.212	.04945	.49674	.19854	.25155	.93829
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	36.627	40.569	.49001	37.516	.48231	.48592	.50763
SDev	.037	.364	.00404	.007	.00563	.00305	.00473
%RSD	.10002	.89808	.82447	.01733	1.1678	.62683	.93213
#1	36.601	40.311	.48715	37.511	.47833	.48377	.50429
#2	36.653	40.826	.49286	37.521	.48629	.48807	.51098
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	.50007	2.0580	.50256	2.1665	2.0647
SDev	.00748	.0126	.00135	.0214	.0019
%RSD	1.4953	.61035	.26931	.98623	.09293
#1	.49478	2.0491	.50352	2.1514	2.0633
#2	.50536	2.0669	.50160	2.1816	2.0660
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: 0405095-1 Operator: SW
Run Time: 05/24/04 10:46:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00614	.00242	.00225	.00046	.00012	.07358	.00067
SDev	.00353	.00213	.00471	.00510	.00029	.00120	.00019
%RSD	57.504	88.160	209.29	1109.1	241.40	1.6326	28.599
#1	-.00863	.00392	-.00108	.00406	-.00009	.07443	.00081
#2	-.00364	.00091	.00558	-.00314	.00033	.07273	.00054
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00029	.22073	-.00048	-.00019	-.00151	.00234	.04399
SDev	.00000	.00148	.00006	.00014	.00018	.00013	.00052
%RSD	.00000	.67126	11.554	73.570	11.927	5.6102	1.1913
#1	.00029	.22178	-.00044	-.00009	-.00138	.00225	.04436
#2	.00029	.21969	-.00052	-.00029	-.00163	.00243	.04361
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	.43968	.24301	.00165	2.1178	-.00036	-.00382	.00004
SDev	.02038	.00621	.00000	.0075	.00009	.00042	.00000
%RSD	4.6345	2.5559	.00000	.35645	24.937	11.096	.00000
#1	.42527	.24740	.00165	2.1125	-.00042	-.00352	.00004
#2	.45408	.23862	.00165	2.1231	-.00030	-.00412	.00004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.00280	.00034	-.00043	.00106	.00417
SDev	.00031	.00021	.00025	.00183	.00167
%RSD	11.048	62.733	57.193	173.56	39.913
#1	.00302	.00019	-.00026	.00235	.00299
#2	.00258	.00049	-.00061	-.00024	.00535
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: 0405095-1D Operator: SW
Run Time: 05/24/04 10:49:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00786	.00180	.00130	-.00122	.00001	.06702	.00010
SDev	.00358	.00205	.00048	.00457	.00078	.00017	.00006
%RSD	45.583	113.62	37.352	373.82	5315.4	.25763	56.949
#1	-.00533	.00035	.00164	-.00446	.00056	.06715	.00014
#2	-.01039	.00325	.00095	.00201	-.00053	.06690	.00006
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00029	.20515	-.00053	-.00035	-.00159	.00048	.03125
SDev	.00000	.00049	.00011	.00008	.00006	.00016	.00580
%RSD	.00000	.24040	21.538	24.076	3.9916	33.944	18.567
#1	.00029	.20549	-.00045	-.00029	-.00154	.00060	.03535
#2	.00029	.20480	-.00061	-.00041	-.00163	.00037	.02714
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	.47046	.23609	.00148	2.0904	-.00065	-.00352	-.00032
SDev	.00991	.00433	.00003	.0034	.00001	.00047	.00000
%RSD	2.1072	1.8346	2.3022	.16128	1.7349	13.453	.00000
#1	.47747	.23302	.00150	2.0880	-.00064	-.00385	-.00032
#2	.46345	.23915	.00145	2.0928	-.00066	-.00318	-.00032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.00244	-.00021	-.00142	-.00038	.00181
SDev	.00021	.00106	.00017	.00289	.00024
%RSD	8.4682	509.77	12.139	751.16	13.243
#1	.00229	.00054	-.00154	-.00243	.00198
#2	.00258	-.00096	-.00129	.00166	.00164
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: 0405095-1L 5X Operator: SW
Run Time: 05/24/04 10:51:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00141	-.00071	.00468	-.00361	.00107	-.01176	-.00082
SDev	.00243	.00278	.00314	.00307	.00027	.00321	.00000
%RSD	171.77	388.57	67.011	85.157	25.062	27.286	.00000
#1	-.00030	.00125	.00246	-.00143	.00088	-.00949	-.00082
#2	.00313	-.00268	.00690	-.00578	.00126	-.01403	-.00082
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00012	.04700	-.00031	-.00025	-.00104	.00073	.00810
SDev	.00001	.00016	.00012	.00006	.00001	.00015	.00405
%RSD	9.4290	.33955	40.410	22.372	1.0132	20.312	49.962
#1	.00011	.04711	-.00040	-.00021	-.00103	.00062	.01096
#2	.00012	.04689	-.00022	-.00029	-.00105	.00083	.00524
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	.38075	.07521	-.00002	.51958	-.00004	.00313	-.00032
SDev	.01856	.00462	.00004	.00222	.00029	.00031	.00026
%RSD	4.8745	6.1486	215.24	.42695	695.53	9.7695	79.757
#1	.36763	.07848	.00001	.51801	.00016	.00335	-.00014
#2	.39388	.07194	-.00005	.52115	-.00025	.00292	-.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	.00244	-.00074	-.00001	-.00085	.00399
SDev	.00021	.00142	.00104	.00100	.00238
%RSD	8.4682	192.42	16658.	118.59	59.669
#1	.00258	.00027	.00073	-.00014	.00567
#2	.00229	-.00174	-.00074	-.00156	.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: 0405095-1MS Operator: SW
Run Time: 05/24/04 10:54:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49201	.50551	2.1606	2.1754	.00001	2.3461	1.9834
SDev	.00482	.00705	.0089	.0150	.00032	.0110	.0071
%RSD	.97967	1.3957	.41254	.69023	5935.8	.47023	.36022
#1	.48860	.50052	2.1543	2.1648	.00023	2.3383	1.9784
#2	.49542	.51050	2.1669	2.1860	-.00022	2.3539	1.9885
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05239	40.658	.04862	.48906	.19518	.25126	.95549
SDev	.00027	.252	.00008	.00351	.00097	.00107	.00790
%RSD	.52263	.61925	.15952	.71809	.49824	.42447	.82634
#1	.05219	40.480	.04856	.48658	.19449	.25051	.94990
#2	.05258	40.836	.04867	.49155	.19587	.25202	.96107
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	37.299	40.353	.48945	39.906	.48091	.48796	.50627
SDev	.128	.256	.00293	.119	.00167	.00031	.00256
%RSD	.34287	.63354	.59807	.29767	.34653	.06364	.50520
#1	37.209	40.173	.48738	39.822	.47973	.48818	.50447
#2	37.389	40.534	.49152	39.990	.48209	.48774	.50808
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.49794	2.0634	.50102	2.1705	2.0640
SDev	.00405	.0099	.00631	.0130	.0244
%RSD	.81340	.47952	1.2596	.59818	1.1829
#1	.49507	2.0564	.49655	2.1613	2.0468
#2	.50080	2.0704	.50548	2.1797	2.0813
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: 0405095-1MSD Operator: SW
Run Time: 05/24/04 10:56:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49440	.50722	2.1572	2.1634	.00005	2.3434	1.9721
SDev	.00233	.00610	.0186	.0129	.00098	.0121	.0110
%RSD	.47230	1.2027	.86265	.59674	2067.5	.51474	.55985
#1	.49275	.50290	2.1440	2.1543	.00074	2.3349	1.9643
#2	.49605	.51153	2.1703	2.1725	-.00065	2.3520	1.9800
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05243	40.574	.04895	.48949	.19649	.25097	.93063
SDev	.00026	.098	.00001	.00051	.00015	.00108	.00227
%RSD	.50050	.24185	.00982	.10322	.07531	.43150	.24337
#1	.05224	40.505	.04895	.48914	.19639	.25021	.92903
#2	.05261	40.643	.04895	.48985	.19660	.25174	.93223
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	37.061	40.257	.48938	39.751	.48072	.48475	.50600
SDev	.238	.142	.00198	.162	.00035	.00201	.00243
%RSD	.64331	.35267	.40402	.40863	.07228	.41423	.48020
#1	36.893	40.157	.48799	39.636	.48096	.48333	.50429
#2	37.230	40.358	.49078	39.866	.48047	.48617	.50772
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.49596	2.0612	.50295	2.1613	2.0600
SDev	.00145	.0060	.00485	.0148	.0120
%RSD	.29315	.28887	.96361	.68512	.58103
#1	.49493	2.0570	.49952	2.1509	2.0515
#2	.49698	2.0654	.50638	2.1718	2.0684
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: 0405095-2 Operator: SW
Run Time: 05/24/04 10:59:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00255	-.00053	.00690	.00037	.00107	.11264	.00177
SDev	.00005	.00053	.00305	.00139	.00010	.00539	.00020
%RSD	2.1240	100.77	44.204	373.98	9.2367	4.7805	11.427
#1	-.00252	-.00090	.00906	-.00061	.00114	.11644	.00191
#2	-.00259	-.00015	.00475	.00135	.00100	.10883	.00163
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00025	.24019	-.00040	.00013	-.00131	.00009	.02414
SDev	.00000	.00363	.00003	.00058	.00022	.00010	.00205
%RSD	.12800	1.5105	6.8967	463.84	16.914	110.73	8.4833
#1	.00025	.24276	-.00038	.00054	-.00115	.00016	.02559
#2	.00025	.23763	-.00042	-.00029	-.00147	.00002	.02269
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	.45438	.26030	.00232	2.1687	-.00030	-.00138	-.00023
SDev	.00124	.00507	.00003	.0045	.00003	.00010	.00064
%RSD	.27364	1.9496	1.4666	.20836	10.848	6.9917	277.70
#1	.45350	.26389	.00234	2.1655	-.00033	-.00145	.00022
#2	.45526	.25671	.00230	2.1718	-.00028	-.00131	-.00068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.00302	-.00048	-.00120	.00255	.00618
SDev	.00021	.00029	.00034	.00009	.00167
%RSD	6.8319	59.178	27.974	3.5157	26.934
#1	.00317	-.00069	-.00144	.00261	.00736
#2	.00288	-.00028	-.00096	.00248	.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: 0405095-3 Operator: SW
Run Time: 05/24/04 11:01:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00256	.00117	.00676	-.00207	.00087	.07540	.00053
SDev	.00067	.00278	.00059	.00336	.00032	.00445	.00007
%RSD	26.097	236.64	8.7425	162.39	37.110	5.8962	12.708
#1	-.00304	.00314	.00634	.00031	.00110	.07854	.00058
#2	-.00209	-.00079	.00718	-.00445	.00064	.07225	.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	.00007	2.3546	-.00051	-.00015	-.00098	.00009	.07328
SDev	.00001	.0071	.00010	.00042	.00020	.00023	.00971
%RSD	15.000	.30111	20.603	278.46	20.421	258.37	13.256
#1	.00008	2.3496	-.00044	.00015	-.00084	.00025	.08015
#2	.00006	2.3596	-.00058	-.00044	-.00112	-.00007	.06641
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	.56910	.58060	.00278	2.9784	.00156	-.00062	.00004
SDev	.00122	.00241	.00007	.0063	.00009	.00117	.00051
%RSD	.21367	.41416	2.4504	.21275	5.7162	187.34	1246.8
#1	.56996	.58230	.00282	2.9828	.00149	.00020	.00040
#2	.56824	.57890	.00273	2.9739	.00162	-.00145	-.00032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.00310	-.00098	-.00007	.00087	.00217
SDev	.00010	.00096	.00163	.00205	.00357
%RSD	3.3354	97.258	2303.7	235.17	164.66
#1	.00317	-.00166	.00108	.00232	-.00036
#2	.00302	-.00031	-.00122	-.00058	.00469
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: 05/24/04 11:04:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48688	.49729	.49749	.50028	.50659	49.781	.49726
SDev	.00276	.00692	.00600	.01649	.00299	.184	.00102
%RSD	.56771	1.3924	1.2071	3.2966	.59042	.36926	.20444
#1	.48883	.49240	.49324	.48862	.50447	49.651	.49655
#2	.48492	.50219	.50174	.51195	.50870	49.911	.49798
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	.49613	51.499	.48750	.49059	.49650	.50618	20.839
SDev	.00547	.619	.00666	.00563	.00534	.00202	.219
%RSD	1.1019	1.2023	1.3667	1.1469	1.0764	.39875	1.0517
#1	.49227	51.061	.48279	.48661	.49272	.50475	20.684
#2	.50000	51.936	.49221	.49457	.50028	.50761	20.994
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	20.585	50.851	.48610	20.837	.48587	.48459	.50456
SDev	.014	.597	.00444	.001	.00493	.00412	.00396
%RSD	.06743	1.1732	.91381	.00349	1.0139	.85003	.78572
#1	20.576	50.430	.48296	20.836	.48239	.48168	.50175
#2	20.595	51.273	.48924	20.837	.48935	.48751	.50736
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	.49074	.48484	.49382	.49935	.50621
SDev	.00841	.00786	.00370	.01300	.00342
%RSD	1.7140	1.6206	.74885	2.6034	.67456
#1	.48479	.47928	.49121	.49016	.50379
#2	.49669	.49040	.49644	.50855	.50862
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: 05/24/04 11:06:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00201	.00034	.00106	.00000	.00041	.02258	-.00100
SDev	.00395	.00129	.00394	.00284	.00025	.01314	.00008
%RSD	196.70	375.42	372.96	2186800.	61.167	58.178	7.6911
#1	-.00480	.00126	-.00173	.00201	.00058	.03187	-.00095
#2	.00078	-.00057	.00385	-.00201	.00023	.01329	-.00106
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	.02078	-.00034	-.00050	-.00084	-.00051	.01538
SDev	.00004	.00361	.00000	.00042	.00025	.00016	.00926
%RSD	25.541	17.374	1.1031	82.721	30.148	31.897	60.212
#1	.00020	.02334	-.00034	-.00021	-.00066	-.00040	.02194
#2	.00014	.01823	-.00034	-.00080	-.00102	-.00063	.00883
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	.30571	.03322	-.00040	.10696	-.00051	-.00148	.00004
SDev	.01595	.00744	.00008	.00187	.00062	.00099	.00026
%RSD	5.2177	22.407	18.916	1.7522	121.02	67.011	623.39
#1	.31699	.03848	-.00035	.10829	-.00007	-.00219	.00022
#2	.29443	.02795	-.00046	.10564	-.00095	-.00078	-.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	-.00019	.00019	-.00044	.00035	.00197
SDev	.00062	.00036	.00045	.00058	.00333
%RSD	326.47	187.15	103.15	165.25	168.90
#1	.00025	-.00006	-.00076	.00076	.00433
#2	-.00063	.00044	-.00012	-.00006	-.00038
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: 0405095-4 Operator: SW
Run Time: 05/24/04 11:09:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00020	-.00111	.00629	-.00489	.00033	.28396	-.00055
SDev	.00230	.00095	.00074	.00052	.00030	.00359	.00004
%RSD	1155.4	85.845	11.734	10.616	91.836	1.2634	6.9751
#1	.00182	-.00178	.00681	-.00452	.00054	.28649	-.00058
#2	-.00143	-.00044	.00577	-.00526	.00012	.28142	-.00052
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00005	.56856	-.00063	-.00025	-.00152	-.00035	.62790
SDev	.00000	.00571	.00008	.00011	.00020	.00030	.00750
%RSD	.65464	1.0036	12.954	44.767	13.199	83.910	1.1938
#1	.00005	.56453	-.00069	-.00033	-.00166	-.00056	.62260
#2	.00005	.57260	-.00058	-.00017	-.00138	-.00014	.63320
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	.30478	.48758	.00966	3.5066	-.00030	-.00255	-.00023
SDev	.02070	.01429	.00011	.0196	.00022	.00146	.00064
%RSD	6.7916	2.9313	1.1443	.55988	75.903	57.427	277.70
#1	.29014	.47747	.00958	3.4927	-.00045	-.00358	-.00068
#2	.31942	.49768	.00974	3.5204	-.00014	-.00151	.00022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.00675	-.00038	-.00067	-.00117	.00288
SDev	.00052	.00131	.00013	.00059	.00000
%RSD	7.6529	341.40	19.317	50.772	.09612
#1	.00638	-.00131	-.00058	-.00075	.00288
#2	.00711	.00054	-.00077	-.00158	.00289
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: 0405095-5 Operator: SW
Run Time: 05/24/04 11:11:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00070	-.00212	.00582	-.00542	.00068	.08012	.00273
SDev	.00089	.00037	.00044	.00116	.00028	.00667	.00003
%RSD	125.78	17.238	7.5955	21.315	40.975	8.3233	1.0557
#1	-.00008	-.00186	.00613	-.00624	.00088	.08484	.00275
#2	-.00133	-.00238	.00551	-.00460	.00048	.07541	.00271
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00009	2.3493	-.00058	-.00027	-.00137	.00008	.10101
SDev	.00000	.0194	.00005	.00008	.00003	.00002	.00984
%RSD	.06703	.82433	9.3632	31.247	2.3110	21.225	9.7420
#1	.00009	2.3356	-.00054	-.00021	-.00139	.00009	.10797
#2	.00009	2.3630	-.00062	-.00033	-.00135	.00007	.09405
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	.94514	1.8445	.00939	11.357	-.00021	.00014	-.00059
SDev	.00964	.0096	.00007	.082	.00012	.00011	.00013
%RSD	1.0201	.51949	.72449	.71911	59.118	76.560	21.603
#1	.93832	1.8378	.00934	11.299	-.00030	.00021	-.00068
#2	.95195	1.8513	.00944	11.414	-.00012	.00006	-.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	.01237	-.00212	-.00165	-.00168	.00151
SDev	.00041	.00122	.00054	.00062	.00072
%RSD	3.3396	57.733	32.656	37.166	47.603
#1	.01266	-.00125	-.00127	-.00212	.00201
#2	.01208	-.00299	-.00203	-.00124	.00100
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: 0405095-6 Operator: SW
Run Time: 05/24/04 11:14:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00055	-.00106	.00742	-.00442	.00082	.11324	.00546
SDev	.00280	.00118	.00034	.00342	.00051	.00455	.00003
%RSD	507.77	111.32	4.6432	77.235	61.425	4.0144	.52909
#1	-.00254	-.00023	.00767	-.00684	.00118	.11645	.00548
#2	.00143	-.00189	.00718	-.00201	.00047	.11002	.00544
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00014	2.1201	-.00048	.00021	-.00118	-.00000	.01935
SDev	.00000	.0026	.00023	.00047	.00030	.00023	.00673
%RSD	.13540	.12206	48.255	229.65	24.970	5874.7	34.760
#1	.00014	2.1183	-.00032	.00054	-.00098	.00016	.02411
#2	.00014	2.1219	-.00065	-.00013	-.00139	-.00017	.01460
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	.45750	.36835	.01459	2.5293	-.00020	-.00135	-.00041
SDev	.04225	.00728	.00003	.0215	.00007	.00146	.00038
%RSD	9.2352	1.9763	.17484	.84874	33.962	108.52	93.321
#1	.48738	.37350	.01461	2.5141	-.00015	-.00031	-.00014
#2	.42763	.36320	.01458	2.5445	-.00025	-.00238	-.00068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.01828	-.00159	-.00089	-.00048	.00316
SDev	.00031	.00071	.00015	.00216	.00024
%RSD	1.6945	44.528	16.619	453.22	7.5905
#1	.01850	-.00109	-.00099	-.00201	.00333
#2	.01806	-.00209	-.00079	.00105	.00299
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: 0405095-7 Operator: SW
Run Time: 05/24/04 11:16:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00362	-.00003	.00367	-.00671	.00044	.10595	.00212
SDev	.00225	.00241	.00113	.00377	.00015	.00607	.00003
%RSD	62.155	7680.2	30.644	56.135	34.969	5.7339	1.3603
#1	-.00522	.00167	.00288	-.00405	.00054	.11025	.00214
#2	-.00203	-.00174	.00447	-.00938	.00033	.10165	.00210
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00016	.92412	-.00051	-.00003	-.00163	.00017	.02237
SDev	.00001	.00542	.00012	.00064	.00039	.00038	.01405
%RSD	6.5064	.58699	23.297	2045.5	24.049	221.83	62.799
#1	.00017	.92028	-.00042	.00042	-.00135	.00044	.03230
#2	.00015	.92795	-.00059	-.00048	-.00190	-.00010	.01244
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	.49783	.31402	.00177	2.2061	-.00017	-.00151	-.00023
SDev	.01972	.00412	.00009	.0197	.00058	.00057	.00064
%RSD	3.9605	1.3119	5.2785	.89332	346.53	37.764	277.70
#1	.51177	.31693	.00184	2.1922	.00024	-.00191	.00022
#2	.48389	.31111	.00171	2.2200	-.00058	-.00111	-.00068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.00616	-.00142	-.00123	-.00326	.00080
SDev	.00010	.00046	.00086	.00214	.00166
%RSD	1.6756	32.271	69.936	65.714	207.72
#1	.00624	-.00174	-.00062	-.00174	-.00037
#2	.00609	-.00109	-.00184	-.00477	.00197
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: 0405095-8 Operator: SW
Run Time: 05/24/04 11:19:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00131	-.00011	.00924	-.00602	.00068	.12217	.00320
SDev	.00315	.00106	.00321	.00197	.00071	.00404	.00000
%RSD	240.72	985.71	34.732	32.708	105.22	3.3053	.00000
#1	.00092	-.00086	.01151	-.00463	.00118	.12503	.00320
#2	-.00354	.00064	.00697	-.00741	.00017	.11932	.00320
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00012	.56322	-.00055	-.00031	-.00165	.00002	.01388
SDev	.00001	.00017	.00001	.00025	.00026	.00016	.00002
%RSD	9.3573	.02980	1.6642	81.741	15.956	850.41	.10563
#1	.00012	.56334	-.00056	-.00013	-.00147	.00014	.01387
#2	.00011	.56310	-.00055	-.00048	-.00184	-.00010	.01389
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	.47774	.30011	.00294	2.4409	.00258	-.00268	-.00077
SDev	.02268	.00244	.00001	.0128	.00042	.00231	.00013
%RSD	4.7482	.81185	.28937	.52584	16.078	86.306	16.548
#1	.49378	.29839	.00294	2.4318	.00287	-.00104	-.00086
#2	.46170	.30183	.00293	2.4499	.00229	-.00432	-.00068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.01609	-.00207	-.00051	-.00094	.00147
SDev	.00010	.00165	.00034	.00238	.00071
%RSD	.64171	79.626	66.820	253.74	48.568
#1	.01602	-.00090	-.00027	.00075	.00097
#2	.01617	-.00323	-.00075	-.00262	.00198
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: 0405095-9 Operator: SW
Run Time: 05/24/04 11:21:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00793	.00236	.00348	-.00238	-.00000	.08989	.00124
SDev	.00028	.00008	.00532	.00168	.00069	.00206	.00011
%RSD	3.5087	3.5359	152.84	70.593	29671.	2.2877	8.5522
#1	-.00773	.00230	.00725	-.00119	-.00049	.09134	.00116
#2	-.00812	.00242	-.00028	-.00356	.00048	.08843	.00131
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00021	.41051	-.00056	-.00070	-.00155	-.00065	.00994
SDev	.00000	.00300	.00018	.00019	.00067	.00033	.00561
%RSD	.14602	.73100	32.197	27.798	42.921	50.205	56.465
#1	.00022	.40839	-.00068	-.00056	-.00202	-.00089	.00597
#2	.00021	.41264	-.00043	-.00084	-.00108	-.00042	.01390
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	.43083	.28473	.00211	2.3521	-.00043	-.00392	-.00041
SDev	.02542	.00994	.00006	.0035	.00044	.00283	.00064
%RSD	5.8997	3.4923	2.8227	.14943	101.40	72.215	155.54
#1	.41286	.27770	.00207	2.3496	-.00074	-.00592	-.00086
#2	.44880	.29176	.00215	2.3546	-.00012	-.00192	.00004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.00529	-.00150	-.00106	-.00043	.00046
SDev	.00010	.00268	.00004	.00289	.00072
%RSD	1.9534	178.33	3.4682	680.26	155.90
#1	.00521	-.00339	-.00104	.00162	-.00005
#2	.00536	.00039	-.00109	-.00247	.00097
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: 0405095-10 Operator: SW
Run Time: 05/24/04 11:24:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00304	-.00042	.00617	-.00278	.00026	.16749	.00282
SDev	.00103	.00034	.00034	.00220	.00029	.00100	.00001
%RSD	33.761	80.391	5.5820	79.229	109.74	.59795	.34168
#1	-.00232	-.00066	.00592	-.00434	.00006	.16820	.00281
#2	-.00377	-.00018	.00641	-.00122	.00047	.16678	.00282
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00009	2.3118	-.00054	-.00042	-.00171	-.00068	.16651
SDev	.00001	.0209	.00008	.00008	.00056	.00030	.00222
%RSD	12.759	.90471	14.346	19.661	32.648	43.636	1.3351
#1	.00009	2.2970	-.00060	-.00037	-.00211	-.00089	.16494
#2	.00008	2.3266	-.00049	-.00048	-.00132	-.00047	.16809
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	.86515	1.7649	.01406	10.858	-.00075	-.00318	-.00032
SDev	.02373	.0156	.00020	.009	.00019	.00141	.00026
%RSD	2.7429	.88176	1.3909	.08190	25.476	44.406	79.757
#1	.84837	1.7539	.01393	10.851	-.00088	-.00418	-.00050
#2	.88193	1.7759	.01420	10.864	-.00061	-.00218	-.00014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.00339	-.00188	-.00129	.00020	-.00065
SDev	.00010	.00160	.00012	.00158	.00190
%RSD	3.0479	85.437	9.1327	792.70	291.60
#1	.00346	-.00074	-.00121	-.00092	.00069
#2	.00331	-.00301	-.00138	.00132	-.00200
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: IP040521-3MB Operator: SW
Run Time: 05/24/04 11:42:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00051	-.00042	.00698	-.00190	.00114	-.00789	-.00117
SDev	.00650	.00331	.00541	.00266	.00042	.00032	.00003
%RSD	1282.8	793.81	77.567	139.77	37.172	4.0104	2.4652
#1	-.00510	.00192	.00315	-.00379	.00084	-.00767	-.00115
#2	.00409	-.00276	.01081	-.00002	.00144	-.00812	-.00119
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	.00910	-.00043	.00024	-.00053	-.00050	.07977
SDev	.00000	.00015	.00012	.00014	.00025	.00008	.00596
%RSD	.26162	1.6977	26.757	57.255	48.089	16.316	7.4719
#1	.00005	.00899	-.00051	.00034	-.00035	-.00056	.08398
#2	.00005	.00921	-.00035	.00014	-.00071	-.00044	.07556
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	.31484	-.00736	-.00016	.10440	-.00030	-.00172	-.00032
SDev	.01504	.00280	.00001	.00026	.00012	.00133	.00026
%RSD	4.7785	38.025	5.1831	.24603	40.656	77.015	79.757
#1	.30420	-.00538	-.00017	.10422	-.00039	-.00266	-.00014
#2	.32548	-.00934	-.00016	.10459	-.00022	-.00078	-.00050
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	.00149	-.00023	-.00045	.00105	.00334
SDev	.00010	.00374	.00004	.00358	.00047
%RSD	6.9322	1620.4	9.5897	339.68	14.170
#1	.00142	-.00287	-.00042	-.00148	.00301
#2	.00156	.00241	-.00048	.00358	.00368
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: IP040521-3LCS Operator: SW
Run Time: 05/24/04 11:44:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48125	.48721	1.9590	1.9566	.04948	2.1740	1.9280
SDev	.00008	.00247	.0076	.0190	.00061	.0103	.0083
%RSD	.01717	.50787	.38547	.97251	1.2318	.47367	.43066
#1	.48131	.48546	1.9536	1.9431	.04905	2.1667	1.9222
#2	.48119	.48896	1.9643	1.9701	.04991	2.1813	1.9339
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	.05011	39.665	.04795	.48093	.19475	.24642	.92852
SDev	.00043	.386	.00051	.00379	.00103	.00098	.00259
%RSD	.86523	.97373	1.0653	.78821	.52647	.39952	.27866
#1	.04980	39.391	.04759	.47825	.19403	.24573	.92669
#2	.05041	39.938	.04831	.48361	.19548	.24712	.93035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	35.787	39.012	.47998	36.047	.47457	.47159	.49651
SDev	.139	.341	.00381	.115	.00280	.00617	.00358
%RSD	.38795	.87364	.79344	.31910	.59021	1.3084	.72117
#1	35.688	38.771	.47729	35.965	.47259	.46723	.49398
#2	35.885	39.253	.48267	36.128	.47655	.47595	.49904
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	.48501	1.9702	.48523	1.9574	1.9906
SDev	.00405	.0117	.00162	.0152	.0091
%RSD	.83495	.59619	.33447	.77720	.45676
#1	.48215	1.9619	.48408	1.9466	1.9841
#2	.48788	1.9785	.48637	1.9681	1.9970
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: 040~~5~~190-1 Operator: SW
Run Time: 05/24/04 11:47:14 4
Comment: SW 5/24/04
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.1392	1.1501	.68927	.72856	.49881	97.932	2.2333
SDev	.0071	.0174	.00774	.02679	.00206	.904	.0215
%RSD	.62706	1.5104	1.1233	3.6778	.41351	.92347	.96066
#1	1.1443	1.1378	.69474	.70961	.49735	97.292	2.2181
#2	1.1342	1.1624	.68379	.74751	.50027	98.571	2.2484
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.59578	183.39	.65487	.42573	.59035	1.0190	H215.72
SDev	.00156	.13	.00004	.00143	.00077	.0112	.43
%RSD	.26109	.07175	.00662	.33532	.13091	1.0984	.19742
#1	.59468	183.48	.65490	.42472	.58980	1.0111	H215.42
#2	.59688	183.29	.65484	.42673	.59090	1.0270	H216.02
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	24.240	51.244	6.7889	9.8368	1.6890	.37377	.76739
SDev	.291	.069	.0179	.1141	.0030	.00055	.00256
%RSD	1.2000	.13554	.26390	1.1604	.17760	.14656	.33366
#1	24.034	51.195	6.7762	9.7561	1.6868	.37338	.76558
#2	24.446	51.293	6.8016	9.9175	1.6911	.37415	.76920
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	3.4786	.72023	1.1465	.71548	.42564
SDev	.0063	.00149	.0092	.01529	.00173
%RSD	.18249	.20675	.80310	2.1376	.40770
#1	3.4831	.71917	1.1400	.70466	.42687
#2	3.4741	.72128	1.1530	.72629	.42442
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: 05/24/04 11:49:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48857	.49476	.49502	.49255	.50496	49.390	.48960
SDev	.00694	.00112	.00590	.00669	.00363	.216	.00063
%RSD	1.4215	.22532	1.1921	1.3585	.71897	.43814	.12853
#1	.48366	.49397	.49085	.48782	.50239	49.237	.48915
#2	.49348	.49555	.49920	.49729	.50753	49.543	.49004
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	.49335	51.374	.48274	.48665	.49284	.50310	20.662
SDev	.00574	.726	.00667	.00657	.00524	.00102	.242
%RSD	1.1631	1.4128	1.3816	1.3507	1.0629	.20222	1.1735
#1	.48929	50.861	.47803	.48200	.48914	.50238	20.490
#2	.49741	51.887	.48746	.49130	.49655	.50382	20.833
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	20.380	50.624	.48352	20.708	.48283	.47472	.49949
SDev	.044	.672	.00438	.065	.00529	.00648	.00473
%RSD	.21770	1.3269	.90626	.31526	1.0949	1.3654	.94729
#1	20.348	50.149	.48042	20.661	.47909	.47013	.49615
#2	20.411	51.099	.48662	20.754	.48657	.47930	.50284
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	.48729	.48360	.49270	.49338	.50631
SDev	.00914	.00105	.00306	.00643	.00366
%RSD	1.8752	.21820	.62032	1.3029	.72299
#1	.48083	.48435	.49054	.48883	.50372
#2	.49375	.48286	.49486	.49792	.50890
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: 05/24/04 11:52:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00091	-.00009	.00454	-.00159	.00093	.02746	-.00089
SDev	.00474	.00252	.00333	.00092	.00046	.00660	.00006
%RSD	521.47	2781.3	73.336	57.963	49.856	24.030	6.4723
#1	-.00244	.00169	.00219	-.00225	.00060	.03213	-.00085
#2	.00426	-.00188	.00690	-.00094	.00126	.02280	-.00093
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	.00023	.02858	-.00012	-.00015	-.00051	-.00011	.02269
SDev	.00004	.00458	.00004	.00014	.00019	.00002	.00731
%RSD	18.817	16.032	30.169	92.519	37.118	15.146	32.202
#1	.00026	.03182	-.00015	-.00005	-.00065	-.00012	.02786
#2	.00020	.02534	-.00010	-.00025	-.00038	-.00010	.01753
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	.41285	.03253	-.00009	.11003	-.00033	-.00135	-.00023
SDev	.00921	.00568	.00008	.00180	.00007	.00156	.00013
%RSD	2.2297	17.469	83.269	1.6325	20.504	115.10	55.540
#1	.40634	.03654	-.00004	.11130	-.00037	-.00246	-.00014
#2	.41936	.02851	-.00015	.10876	-.00028	-.00025	-.00032
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	.00039	-.00097	.00024	.00045	.00467
SDev	.00000	.00086	.00011	.00173	.00000
%RSD	.00000	88.917	43.723	384.11	.05672
#1	.00039	-.00036	.00032	-.00077	.00467
#2	.00039	-.00158	.00017	.00167	.00467
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: 0405190-1D Operator: SW
Run Time: 05/24/04 11:54:46
Comment:
Mode: CONC Corr. Factor: 1

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SW 5/24/04

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.1068	1.1173	.66311	.71246	.48471	97.271	2.1897
SDev	.0201	.0112	.01150	.00678	.00201	.244	.0057
%RSD	1.8190	1.0001	1.7342	.95143	.41537	.25109	.26118
#1	1.0926	1.1094	.65497	.70766	.48329	97.098	2.1857
#2	1.1211	1.1252	.67124	.71725	.48614	97.443	2.1938
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.57782	183.49	.63939	.41496	.57932	1.2155	H213.46
SDev	.00334	1.18	.00263	.00298	.00241	.0036	1.25
%RSD	.57728	.64126	.41189	.71843	.41661	.29976	.58634
#1	.57546	182.66	.63753	.41285	.57762	1.2129	H212.58
#2	.58018	184.32	.64125	.41707	.58103	1.2180	H214.35
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	23.737	51.247	6.8090	9.5344	1.6435	.39651	.75771
SDev	.023	.288	.0358	.0061	.0102	.00673	.00320
%RSD	.09633	.56250	.52570	.06361	.61818	1.6970	.42239
#1	23.721	51.044	6.7837	9.5301	1.6363	.39175	.75544
#2	23.753	51.451	6.8343	9.5387	1.6506	.40127	.75997
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	3.3838	.69860	1.1138	.69602	.40056
SDev	.0256	.00030	.0142	.00835	.00526
%RSD	.75589	.04277	1.2711	1.1998	1.3123
#1	3.3657	.69839	1.1038	.69012	.39684
#2	3.4019	.69881	1.1238	.70193	.40427
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: 040~~4~~169-8 Operator: SW
Run Time: 05/24/04 11:57:16 5
Comment: SW 5/24/04
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	14.962	15.353	-.00748	.03140	.05624	78.457	2.6076
SDev	.143	.176	.00584	.00010	.00018	.359	.0065
%RSD	.95871	1.1466	77.977	.31275	.32602	.45764	.24915
#1	14.861	15.228	-.01161	.03133	.05611	78.203	2.6030
#2	15.064	15.477	-.00336	.03147	.05637	78.711	2.6122
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00711	177.45	.04971	.07332	.13233	2.7362	H253.25
SDev	.00000	.82	.00013	.00059	.00017	.0147	1.62
%RSD	.01008	.46390	.26152	.79927	.12777	.53764	.64108
#1	.00711	176.87	.04962	.07291	.13221	2.7258	H252.10
#2	.00711	178.03	.04981	.07374	.13245	2.7466	H254.40
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	17.610	38.542	3.9698	7.7284	.12540	.05638	.51523
SDev	.064	.253	.0173	.0273	.00009	.00283	.00141
%RSD	.36341	.65741	.43639	.35308	.07087	5.0147	.27305
#1	17.564	38.363	3.9576	7.7091	.12547	.05438	.51423
#2	17.655	38.721	3.9821	7.7477	.12534	.05838	.51622
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	H10.180	.43197	H15.223	.01845	.02111
SDev	.055	.00006	.165	.00201	.00515
%RSD	.53703	.01317	1.0851	10.888	24.380
#1	H10.142	.43201	H15.106	.01703	.01747
#2	H10.219	.43193	H15.340	.01987	.02475
Errors	LC High	LC Pass	LC High	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: 0404169-10 Operator: SW
Run Time: 05/24/04 11:59:46
Comment:
Mode: CONC Corr. Factor: 1

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SW 5/24/04

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	31.581	34.721	.02158	.10321	.30181	119.30	5.0296
SDev	.167	.254	.00041	.00398	.00261	1.30	.0422
%RSD	.52864	.73274	1.8935	3.8571	.86471	1.0890	.83831
#1	31.463	34.541	.02187	.10603	.29996	118.38	4.9998
#2	31.700	34.901	.02129	.10040	.30365	120.22	5.0594
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01461	214.11	.31787	.15527	.11818	H27.721	H438.47
SDev	.00010	1.14	.00165	.00052	.00093	.242	3.41
%RSD	.68592	.53239	.51920	.33190	.78687	.87168	.77878
#1	.01454	213.30	.31671	.15490	.11752	H27.550	H436.05
#2	.01468	214.91	.31904	.15563	.11883	H27.892	H440.88
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	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	13.761	43.309	H25.754	16.911	.22644	.12078	.39977
SDev	.109	.223	.171	.121	.00223	.00485	.00307
%RSD	.79369	.51510	.66289	.71257	.98563	4.0189	.76741
#1	13.683	43.151	H25.633	16.826	.22487	.11735	.39760
#2	13.838	43.467	H25.874	16.997	.22802	.12421	.40194
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	C.00000	1.0552	H33.675	.07603	.04225
SDev	.00000	.0101	.225	.00279	.00092
%RSD	.00000	.95417	.66901	3.6715	2.1711
#1	C.00000	1.0481	H33.516	.07800	.04160
#2	C.00000	1.0623	H33.835	.07406	.04290
Errors	LC Pass	LC Pass	LC High	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: 0404169-12 Operator: SW
Run Time: 05/24/04 12:02:16
Comment:
Mode: CONC Corr. Factor: 1

SW 5/24/04

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	9.9845	10.043	.07244	.13512	.05272	60.683	1.8769
SDev	.0608	.132	.00376	.00529	.00009	.333	.0104
%RSD	.60848	1.3160	5.1912	3.9125	.17366	.54832	.55444
#1	9.9416	9.9499	.06978	.13138	.05265	60.448	1.8696
#2	10.028	10.137	.07510	.13886	.05278	60.918	1.8843
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00464	181.46	.01986	.11708	.17093	H10.081	H252.33
SDev	.00004	1.06	.00018	.00061	.00104	.062	2.10
%RSD	.83420	.58259	.90366	.52556	.60596	.61221	.83055
#1	.00461	180.71	.01999	.11665	.17020	H10.038	H250.85
#2	.00467	182.21	.01973	.11752	.17167	H10.125	H253.81
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	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	24.326	59.027	H32.989	2.5243	.20727	.06340	1.8265
SDev	.107	.423	.228	.0113	.00091	.00093	.0118
%RSD	.44021	.71689	.68971	.44647	.43850	1.4591	.64768
#1	24.250	58.728	H32.828	2.5163	.20663	.06405	1.8181
#2	24.401	59.326	H33.150	2.5323	.20792	.06275	1.8349
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	5.7692	.57465	H10.024	.11425	.01484
SDev	.0419	.00114	.108	.00478	.00449
%RSD	.72692	.19830	1.0813	4.1825	30.281
#1	5.7396	.57385	9.9471	.11087	.01166
#2	5.7989	.57546	H10.100	.11763	.01801
Errors	LC Pass	LC Pass	LC High	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: 0404169-13 Operator: SW
Run Time: 05/24/04 12:04:46
Comment:
Mode: CONC Corr. Factor: 1

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SW 5/24/04

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	15.046	15.371	-.00513	.01663	.49426	4.1461	.27125
SDev	.165	.238	.00488	.00059	.00213	.0193	.00118
%RSD	1.0990	1.5481	95.170	3.5676	.43016	.46560	.43422
#1	14.929	15.203	-.00858	.01705	.49276	4.1325	.27042
#2	15.163	15.539	-.00168	.01621	.49577	4.1598	.27208
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00056	5.2675	.00238	.00126	.00356	1.3322	174.27
SDev	.00000	.0159	.00016	.00050	.00045	.0068	1.08
%RSD	.02257	.30095	6.5558	39.616	12.764	.51131	.61747
#1	.00056	5.2563	.00227	.00161	.00388	1.3273	173.50
#2	.00056	5.2787	.00249	.00091	.00324	1.3370	175.03
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	15.728	.62452	.03354	.89515	.01302	.29719	.01520
SDev	.114	.00831	.00302	.00793	.00087	.00376	.00026
%RSD	.72661	1.3309	9.0045	.88579	6.7118	1.2661	1.6791
#1	15.647	.63039	.03568	.88955	.01364	.29986	.01538
#2	15.808	.61864	.03141	.90076	.01241	.29453	.01502
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	3.0538	2.9951	H15.263	.00938	.29157
SDev	.0151	.0052	.214	.00123	.00541
%RSD	.49423	.17504	1.4007	13.104	1.8550
#1	3.0431	2.9914	H15.112	.00851	.28775
#2	3.0645	2.9988	H15.414	.01025	.29540
Errors	LC Pass	LC Pass	LC High	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: 0404169-13D Operator: SW
Run Time: 05/24/04 12:07:16
Comment:
Mode: CONC Corr. Factor: 1

S SW 5/24/04

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	13.231	13.454	-.01192	.01848	.46318	4.0801	.24200
SDev	.072	.178	.00470	.00205	.00321	.0328	.00173
%RSD	.54318	1.3217	39.415	11.074	.69273	.80359	.71382
#1	13.180	13.329	-.00859	.01703	.46091	4.0569	.24078
#2	13.281	13.580	-.01524	.01993	.46545	4.1033	.24322
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00056	4.7515	.00277	.00133	.00419	1.2564	172.57
SDev	.00000	.0179	.00004	.00028	.00050	.0095	.99
%RSD	.05641	.37719	1.5699	20.849	11.860	.75377	.57646
#1	.00056	4.7388	.00280	.00153	.00454	1.2497	171.87
#2	.00056	4.7641	.00274	.00113	.00383	1.2630	173.27
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	15.625	.58819	.02789	.91380	.01197	.30327	.01475
SDev	.115	.00277	.00011	.00615	.00015	.00269	.00064
%RSD	.73550	.47160	.39658	.67288	1.2190	.88731	4.3262
#1	15.544	.59015	.02797	.90946	.01207	.30517	.01520
#2	15.706	.58623	.02781	.91815	.01187	.30137	.01430
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	3.0580	2.7712	H13.380	.00836	.25321
SDev	.0108	.0227	.143	.00020	.00157
%RSD	.35355	.82044	1.0654	2.3829	.61967
#1	3.0504	2.7551	H13.279	.00850	.25210
#2	3.0657	2.7873	H13.481	.00822	.25432
Errors	LC Pass	LC Pass	LC High	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: 040~~4~~169-13L 5X Operator: SW
Run Time: 05/24/04 12:09:46
Comment:
Mode: CONC Corr. Factor: 1

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SW 5/24/04

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	3.1179	3.0914	-.00264	.00241	.09665	.84595	.05401
SDev	.0086	.0269	.00359	.00046	.00003	.00545	.00031
%RSD	.27586	.86869	135.97	19.124	.03197	.64382	.57038
#1	3.1118	3.0724	-.00010	.00209	.09663	.84210	.05380
#2	3.1240	3.1104	-.00517	.00274	.09667	.84980	.05423
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00015	1.0332	.00038	-.00033	-.00075	.26642	32.244
SDev	.00002	.0039	.00007	.00069	.00025	.00133	.005
%RSD	14.103	.37824	19.559	212.11	33.745	.49888	.01634
#1	.00017	1.0360	.00033	.00016	-.00057	.26548	32.247
#2	.00014	1.0304	.00043	-.00082	-.00093	.26736	32.240
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.5014	.11711	.00546	.24684	.00213	.06620	.00257
SDev	.0044	.00286	.00020	.00109	.00036	.00045	.00026
%RSD	.12647	2.4462	3.5796	.44012	16.884	.68353	9.9405
#1	3.4983	.11913	.00560	.24608	.00238	.06652	.00275
#2	3.5045	.11508	.00533	.24761	.00187	.06588	.00239
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.62655	.60569	3.1002	.00073	.06100
SDev	.00406	.00116	.0208	.00089	.00191
%RSD	.64741	.19093	.67015	121.01	3.1229
#1	.62941	.60650	3.0855	.00136	.06234
#2	.62368	.60487	3.1149	.00011	.05965
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: 0404169-13MS Operator: SW
Run Time: 05/24/04 12:12:17
Comment:
Mode: CONC Corr. Factor: 1

SW 5/24/04

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	13.588	13.838	1.9243	1.9654	.48692	15.135	2.1783
SDev	.038	.200	.0040	.0305	.00315	.081	.0078
%RSD	.27862	1.4449	.20559	1.5494	.64655	.53203	.35653
#1	13.561	13.697	1.9271	1.9439	.48469	15.078	2.1728
#2	13.615	13.979	1.9215	1.9869	.48914	15.192	2.1838
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05088	44.779	.05056	.48151	.19985	1.5254	177.09
SDev	.00039	.385	.00056	.00298	.00229	.0071	1.44
%RSD	.76181	.85965	1.0996	.61947	1.1477	.46591	.81534
#1	.05060	44.507	.05017	.47940	.19823	1.5204	176.07
#2	.05115	45.051	.05095	.48362	.20147	1.5304	178.11
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	53.502	39.455	.51575	38.043	.48366	.79394	.51414
SDev	.294	.346	.00343	.236	.00383	.00187	.00396
%RSD	.54859	.87632	.66572	.62070	.79254	.23500	.77111
#1	53.295	39.211	.51332	37.876	.48095	.79262	.51134
#2	53.710	39.700	.51818	38.210	.48637	.79526	.51695
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	3.5103	4.8001	H13.755	1.9517	2.2118
SDev	.0343	.0254	.146	.0190	.0238
%RSD	.97812	.52975	1.0612	.97320	1.0751
#1	3.4860	4.7822	H13.652	1.9383	2.1950
#2	3.5345	4.8181	H13.858	1.9652	2.2286
Errors	LC Pass	LC Pass	LC High	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: 040~~4~~5169-13MSD Operator: SW
Run Time: 05/24/04 12:14:47 SW 5/24/04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	13.640	13.913	1.9459	1.9744	.48553	16.380	2.2267
SDev	.108	.203	.0123	.0293	.00230	.131	.0194
%RSD	.78954	1.4578	.63269	1.4829	.47393	.80251	.87004
#1	13.564	13.769	1.9372	1.9537	.48390	16.287	2.2130
#2	13.716	14.056	1.9546	1.9951	.48715	16.473	2.2404
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05075	46.663	.04961	.47816	.19952	1.5760	180.72
SDev	.00027	.108	.00027	.00118	.00014	.0168	.86
%RSD	.53935	.23229	.53963	.24606	.06887	1.0633	.47645
#1	.05055	46.586	.04942	.47733	.19962	1.5642	180.11
#2	.05094	46.739	.04980	.47899	.19942	1.5879	181.33
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	54.540	39.479	.51582	38.200	.48246	.80044	.51260
SDev	.412	.132	.00235	.229	.00260	.00853	.00256
%RSD	.75504	.33407	.45648	.59942	.53798	1.0652	.49897
#1	54.249	39.386	.51416	38.038	.48063	.79441	.51080
#2	54.831	39.572	.51749	38.361	.48430	.80647	.51441
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	3.3629	4.9200	H13.822	1.9649	2.2103
SDev	.0023	.0428	.171	.0236	.0204
%RSD	.06709	.86985	1.2382	1.2025	.92493
#1	3.3613	4.8898	H13.701	1.9482	2.1959
#2	3.3645	4.9503	H13.943	1.9817	2.2248
Errors	LC Pass	LC Pass	LC High	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: 0404190-1 2X Operator: SW
Run Time: 05/24/04 12:20:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.57360	.60487	.34692	.37275	.24518	49.189	1.1402
SDev	.00792	.00273	.01605	.00437	.00184	.280	.0075
%RSD	1.3816	.45089	4.6276	1.1719	.75147	.56853	.65495
#1	.56799	.60295	.33557	.37584	.24388	48.991	1.1349
#2	.57920	.60680	.35827	.36967	.24648	49.386	1.1455
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.29760	91.200	.34044	.21877	.30182	.50815	103.76
SDev	.00241	.542	.00148	.00223	.00151	.00274	.69
%RSD	.81115	.59386	.43515	1.0184	.50102	.53929	.66390
#1	.29589	90.817	.33940	.21719	.30075	.50621	103.27
#2	.29931	91.583	.34149	.22034	.30289	.51009	104.25
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	12.351	25.921	3.4238	4.7665	.87750	.19777	.39092
SDev	.039	.147	.0228	.0156	.00369	.00392	.00332
%RSD	.31737	.56805	.66552	.32822	.42108	1.9833	.85017
#1	12.324	25.817	3.4077	4.7554	.87489	.20055	.38857
#2	12.379	26.025	3.4399	4.7775	.88012	.19500	.39327
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	1.7724	.36361	.59446	.36415	.21017
SDev	.0098	.00445	.00446	.00243	.00194
%RSD	.55315	1.2232	.74993	.66793	.92231
#1	1.7655	.36046	.59131	.36243	.20880
#2	1.7793	.36675	.59761	.36587	.21154
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: 05/24/04 12:23:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49338	.49372	.50054	.49568	.50897	49.693	.49274
SDev	.00120	.00364	.00375	.00218	.00336	.453	.00362
%RSD	.24261	.73834	.74969	.43969	.65999	.91222	.73483
#1	.49253	.49114	.50320	.49414	.50660	49.373	.49018
#2	.49423	.49629	.49789	.49722	.51135	50.014	.49530
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	.49495	51.785	.48824	.49171	.49885	.50874	20.807
SDev	.00230	.243	.00143	.00148	.00246	.00450	.102
%RSD	.46369	.46926	.29214	.30048	.49216	.88378	.49110
#1	.49332	51.613	.48723	.49067	.49712	.50556	20.735
#2	.49657	51.957	.48925	.49276	.50059	.51192	20.879
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	20.605	51.022	.48417	20.898	.48870	.48425	.50392
SDev	.215	.225	.00214	.214	.00155	.00324	.00256
%RSD	1.0411	.44060	.44192	1.0261	.31750	.66869	.50755
#1	20.453	50.863	.48266	20.746	.48760	.48654	.50212
#2	20.757	51.181	.48569	21.050	.48980	.48196	.50573
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	.49096	.49180	.49360	.49730	.51024
SDev	.00083	.00036	.00283	.00020	.00330
%RSD	.16921	.07226	.57334	.04104	.64627
#1	.49037	.49155	.49160	.49715	.51257
#2	.49155	.49205	.49560	.49744	.50791
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: 05/24/04 12:25:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00228	.00045	.00154	.00016	.00035	.03937	-.00095
SDev	.00612	.00384	.00258	.00249	.00084	.00703	.00010
%RSD	267.77	858.92	167.32	1516.5	239.87	17.860	10.167
#1	-.00661	.00316	-.00028	.00193	-.00024	.04434	-.00088
#2	.00204	-.00227	.00336	-.00160	.00094	.03440	-.00101
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	.02903	-.00022	-.00046	-.00081	-.00046	.01685
SDev	.00005	.00427	.00013	.00036	.00002	.00005	.00929
%RSD	24.276	14.701	57.846	77.761	2.6049	10.785	55.151
#1	.00026	.03205	-.00013	-.00021	-.00083	-.00049	.02342
#2	.00018	.02601	-.00031	-.00072	-.00080	-.00042	.01028
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	.30785	.02919	-.00006	.10782	-.00011	-.00164	-.00068
SDev	.00948	.00923	.00009	.00180	.00035	.00352	.00026
%RSD	3.0786	31.622	137.50	1.6667	306.49	215.09	37.481
#1	.30115	.03571	-.00000	.10909	.00013	-.00412	-.00050
#2	.31456	.02266	-.00012	.10655	-.00036	.00085	-.00086
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	.00047	.00022	-.00046	.00062	.00029
SDev	.00052	.00082	.00053	.00081	.00238
%RSD	110.47	373.24	113.59	129.39	813.00
#1	.00083	.00080	-.00009	.00119	-.00139
#2	.00010	-.00036	-.00083	.00005	.00197
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: 0404190-1D 2X Operator: SW
Run Time: 05/24/04 12:28:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.56873	.58575	.33696	.36030	.23889	48.929	1.1080
SDev	.00700	.00556	.00396	.00499	.00186	.474	.0082
%RSD	1.2303	.94832	1.1768	1.3852	.77742	.96829	.73801
#1	.56378	.58182	.33977	.35677	.23758	48.594	1.1022
#2	.57368	.58968	.33416	.36383	.24020	49.264	1.1138
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.29189	92.209	.33487	.21347	.29856	.60561	103.68
SDev	.00215	.686	.00053	.00126	.00177	.00591	.75
%RSD	.73472	.74347	.15765	.58774	.59148	.97548	.72765
#1	.29037	91.724	.33450	.21258	.29731	.60143	103.14
#2	.29341	92.694	.33525	.21435	.29981	.60978	104.21
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	12.057	26.197	3.4568	4.5771	.85852	.21427	.38784
SDev	.095	.203	.0265	.0488	.00221	.00090	.00153
%RSD	.78963	.77519	.76538	1.0667	.25715	.41925	.39549
#1	11.990	26.053	3.4381	4.5426	.85696	.21490	.38676
#2	12.124	26.341	3.4755	4.6117	.86008	.21363	.38893
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	1.7655	.35317	.58008	.35253	.20612
SDev	.0077	.00380	.00604	.00201	.00006
%RSD	.43584	1.0749	1.0404	.56975	.03014
#1	1.7601	.35049	.57581	.35111	.20608
#2	1.7710	.35586	.58435	.35395	.20617
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: 0405169-8 2X Operator: SW
Run Time: 05/24/04 12:30:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	7.8832	7.8979	-.00250	.01167	.02792	39.794	1.3308
SDev	.0359	.0821	.00080	.00261	.00003	.192	.0042
%RSD	.45592	1.0399	32.100	22.331	.10793	.48306	.31397
#1	7.8577	7.8398	-.00306	.00983	.02794	39.658	1.3279
#2	7.9086	7.9560	-.00193	.01352	.02789	39.929	1.3338
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00369	89.770	.02645	.03803	.06804	1.3858	122.76
SDev	.00000	.419	.00012	.00011	.00047	.0067	.56
%RSD	.01400	.46621	.43552	.29620	.68317	.48203	.45691
#1	.00369	89.474	.02637	.03795	.06771	1.3811	122.37
#2	.00369	90.066	.02653	.03811	.06837	1.3906	123.16
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	8.9763	19.864	2.0395	3.7666	.06586	.02794	.26585
SDev	.0501	.093	.0091	.0218	.00022	.00019	.00102
%RSD	.55835	.46796	.44516	.57937	.33992	.68157	.38445
#1	8.9408	19.798	2.0331	3.7512	.06602	.02807	.26513
#2	9.0117	19.929	2.0459	3.7821	.06570	.02781	.26658
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	5.2729	.21989	7.8930	.00696	.01069
SDev	.0277	.00312	.0667	.00201	.00121
%RSD	.52559	1.4193	.84568	28.833	11.314
#1	5.2533	.22210	7.8458	.00554	.01154
#2	5.2925	.21769	7.9402	.00837	.00983
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: 0405169-10 5X Operator: SW
Run Time: 05/24/04 12:33:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	7.0493	7.0992	.00546	.01753	.05873	24.153	1.0395
SDev	.0049	.0755	.00560	.00286	.00035	.146	.0081
%RSD	.06994	1.0633	102.51	16.300	.59882	.60268	.78308
#1	7.0458	7.0458	.00943	.01551	.05849	24.050	1.0338
#2	7.0528	7.1525	.00150	.01955	.05898	24.256	1.0453
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00308	43.266	.07059	.03246	.02428	5.5132	77.745
SDev	.00002	.025	.00042	.00028	.00013	.0485	.246
%RSD	.72343	.05734	.60137	.84740	.52196	.87885	.31671
#1	.00309	43.248	.07029	.03266	.02419	5.4790	77.571
#2	.00306	43.283	.07089	.03227	.02437	5.5475	77.919
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	2.8483	9.1337	5.1840	3.1488	.04896	.02397	.08362
SDev	.0076	.0072	.0169	.0242	.00019	.00056	.00000
%RSD	.26812	.07873	.32651	.76915	.38961	2.3447	.00000
#1	2.8537	9.1286	5.1720	3.1317	.04910	.02357	.08362
#2	2.8429	9.1388	5.1960	3.1660	.04883	.02437	.08362
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	H12.596	.21104	7.0826	.01351	.00209
SDev	.016	.00200	.0520	.00004	.00751
%RSD	.12383	.94715	.73404	.29857	359.53
#1	H12.607	.20963	7.0458	.01348	.00740
#2	H12.585	.21246	7.1193	.01354	-.00322
Errors	LC High	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: 0405169-12 2X Operator: SW
Run Time: 05/24/04 12:35:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	5.2329	5.2358	.04049	.06291	.02564	30.818	.96816
SDev	.0157	.0579	.00194	.00244	.00057	.125	.00140
%RSD	.30047	1.1066	4.7990	3.8857	2.2289	.40555	.14487
#1	5.2218	5.1948	.04187	.06118	.02523	30.729	.96717
#2	5.2440	5.2767	.03912	.06463	.02604	30.906	.96915
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00242	91.774	.01016	.06036	.08754	5.0479	122.35
SDev	.00002	.985	.00002	.00025	.00038	.0092	1.16
%RSD	.77745	1.0736	.16384	.41361	.43450	.18193	.94494
#1	.00241	91.077	.01017	.06054	.08727	5.0414	121.54
#2	.00244	92.471	.01015	.06019	.08781	5.0544	123.17
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	12.483	30.108	H16.228	1.2430	.10771	.03179	.94054
SDev	.011	.264	.155	.0011	.00127	.00067	.00666
%RSD	.08896	.87611	.95738	.08504	1.1752	2.0946	.70831
#1	12.475	29.921	H16.118	1.2422	.10681	.03132	.93583
#2	12.491	30.294	H16.338	1.2437	.10860	.03226	.94525
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	2.9887	.29066	5.2348	.05544	.00318
SDev	.0394	.00034	.0439	.00098	.00029
%RSD	1.3170	.11877	.83824	1.7734	9.0819
#1	2.9608	.29041	5.2038	.05475	.00298
#2	3.0165	.29090	5.2658	.05614	.00339
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: 0405169-12 5X Operator: SW
Run Time: 05/24/04 12:38:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.1164	2.1250	.01581	.02295	.01078	12.405	.38663
SDev	.0072	.0287	.00045	.00366	.00003	.047	.00148
%RSD	.34178	1.3501	2.8705	15.938	.27426	.37824	.38260
#1	2.1112	2.1047	.01613	.02036	.01076	12.372	.38558
#2	2.1215	2.1452	.01549	.02553	.01080	12.438	.38767
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00105	36.680	.00415	.02506	.03557	1.9922	47.705
SDev	.00002	.158	.00011	.00031	.00020	.0102	.212
%RSD	2.0329	.43201	2.6423	1.2220	.56425	.51334	.44437
#1	.00103	36.568	.00408	.02484	.03543	1.9850	47.555
#2	.00106	36.792	.00423	.02528	.03571	1.9994	47.854
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	5.0316	12.325	6.5155	.50962	.04410	.01723	.38405
SDev	.0096	.057	.0311	.00115	.00037	.00026	.00153
%RSD	.19019	.46146	.47799	.22506	.83709	1.5152	.39939
#1	5.0249	12.285	6.4935	.50881	.04437	.01741	.38296
#2	5.0384	12.365	6.5375	.51043	.04384	.01704	.38513
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	1.2436	.11875	2.1221	.02057	.00321
SDev	.0095	.00236	.0215	.00229	.00438
%RSD	.76660	1.9919	1.0153	11.124	136.53
#1	1.2369	.11708	2.1069	.01895	.00011
#2	1.2503	.12042	2.1373	.02219	.00631
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: 0405169-13 5X Operator: SW
Run Time: 05/24/04 12:40:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	3.1103	3.0512	.00485	.00187	.09625	.87992	.05315
SDev	.0036	.0582	.00623	.00396	.00096	.00403	.00026
%RSD	.11500	1.9088	128.63	211.44	.99494	.45802	.48908
#1	3.1077	3.0101	.00925	-.00093	.09558	.87707	.05297
#2	3.1128	3.0924	.00044	.00467	.09693	.88277	.05333
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00016	1.0399	.00045	-.00050	-.00000	.26119	32.077
SDev	.00001	.0124	.00022	.00067	.00034	.00202	.433
%RSD	6.5634	1.1929	49.722	132.18	7797.0	.77269	1.3493
#1	.00015	1.0312	.00029	-.00098	-.00024	.25977	31.771
#2	.00017	1.0487	.00061	-.00003	.00023	.26262	32.383
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	3.5158	.12426	.00700	.24604	.00220	.06680	.00266
SDev	.0494	.00649	.00049	.00147	.00039	.00153	.00064
%RSD	1.4044	5.2194	7.0488	.59564	17.865	2.2928	24.008
#1	3.4809	.11967	.00735	.24500	.00192	.06571	.00221
#2	3.5507	.12884	.00665	.24708	.00248	.06788	.00311
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.62853	.59956	3.0709	.00286	.05993
SDev	.01227	.00497	.0400	.00056	.00064
%RSD	1.9527	.82882	1.3038	19.705	1.0668
#1	.61985	.59605	3.0426	.00246	.05947
#2	.63721	.60308	3.0992	.00326	.06038
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: 0405169-13D 5X Operator: SW
Run Time: 05/24/04 12:43:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.6997	2.7034	-.00017	.00200	.09070	.86893	.04785
SDev	.0136	.0245	.00051	.00070	.00029	.00248	.00040
%RSD	.50454	.90527	302.34	34.868	.32319	.28528	.82481
#1	2.6900	2.6861	.00019	.00150	.09090	.87068	.04757
#2	2.7093	2.7207	-.00053	.00249	.09049	.86718	.04813
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00016	.93898	.00041	.00028	-.00008	.24978	31.822
SDev	.00003	.00170	.00002	.00039	.00055	.00225	.191
%RSD	20.135	.18059	4.1927	139.14	695.05	.89998	.60051
#1	.00018	.93778	.00042	.00055	.00031	.24819	31.687
#2	.00014	.94018	.00040	.00000	-.00047	.25137	31.957
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.5248	.12223	.00565	.25420	.00244	.06707	.00293
SDev	.0020	.00553	.00015	.00063	.00029	.00397	.00051
%RSD	.05795	4.5270	2.7090	.24834	11.929	5.9228	17.431
#1	3.5233	.12615	.00576	.25376	.00265	.06988	.00329
#2	3.5262	.11832	.00554	.25465	.00224	.06427	.00257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.63111	.55649	2.7021	.00128	.05158
SDev	.00010	.00144	.0209	.00030	.00126
%RSD	.01648	.25890	.77195	23.167	2.4481
#1	.63118	.55547	2.6874	.00107	.05069
#2	.63103	.55751	2.7169	.00149	.05248
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: 0405169-13L 25X Operator: SW
Run Time: 05/24/04 12:45:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00068	.00042	.00234	-.00135	.00067	-.01300	-.00120
SDev	.00318	.00163	.00330	.00243	.00109	.00466	.00004
%RSD	465.33	391.72	140.99	179.70	164.39	35.816	3.1941
#1	-.00293	.00157	.00001	.00037	-.00011	-.00971	-.00123
#2	.00157	-.00074	.00468	-.00307	.00144	-.01630	-.00118
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00006	-.00846	-.00046	-.00046	-.00136	.00029	.01027
SDev	.00001	.00067	.00010	.00031	.00051	.00034	.00406
%RSD	19.438	7.8567	21.858	65.782	37.179	120.42	39.554
#1	.00005	-.00893	-.00053	-.00068	-.00172	.00004	.00740
#2	.00006	-.00799	-.00039	-.00025	-.00101	.00053	.01315
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

No Sample Loaded
SW
5/24/04

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.42696	-.01198	-.00022	.11014	-.00072	-.00145	-.00068
SDev	.03670	.00149	.00003	.00108	.00020	.00132	.00000
%RSD	8.5961	12.462	11.379	.97851	27.929	91.184	.00000
#1	.40101	-.01304	-.00024	.10938	-.00087	-.00238	-.00068
#2	.45291	-.01092	-.00021	.11090	-.00058	-.00051	-.00068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.00156	.00044	.00005	-.00012	.00130
SDev	.00021	.00057	.00003	.00052	.00048
%RSD	13.216	129.18	51.731	425.91	36.720
#1	.00171	.00004	.00007	.00025	.00096
#2	.00142	.00085	.00003	-.00049	.00164
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: 0405169-13MS 5X Operator: SW
Run Time: 05/24/04 12:48:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.8491	2.8321	.39911	.40263	.09548	3.2159	.44204
SDev	.0112	.0186	.00805	.00346	.00100	.0149	.00250
%RSD	.39228	.65815	2.0159	.85926	1.0514	.46348	.56470
#1	2.8412	2.8190	.39342	.40019	.09477	3.2054	.44028
#2	2.8570	2.8453	.40480	.40508	.09619	3.2265	.44381
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01027	8.9730	.01072	.10048	.04071	.30303	33.411
SDev	.00007	.0427	.00003	.00070	.00026	.00202	.119
%RSD	.65544	.47561	.27146	.69261	.64872	.66601	.35538
#1	.01022	8.9428	.01074	.09999	.04052	.30161	33.327
#2	.01031	9.0032	.01070	.10097	.04090	.30446	33.495
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.963	8.2073	.10662	7.4998	.10157	.17492	.10574
SDev	.036	.0299	.00049	.0260	.00016	.00210	.00064
%RSD	.32901	.36398	.45526	.34695	.15531	1.2000	.60374
#1	10.938	8.1862	.10628	7.4814	.10146	.17344	.10528
#2	10.989	8.2284	.10697	7.5182	.10169	.17641	.10619
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.74032	.98572	2.8378	.40146	.45668
SDev	.00448	.00674	.0162	.00499	.00671
%RSD	.60492	.68413	.56926	1.2422	1.4704
#1	.73715	.98095	2.8264	.39793	.45193
#2	.74349	.99049	2.8492	.40499	.46143
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: 0405169-13MSD 5X Operator: SW
Run Time: 05/24/04 12:51:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.8349	2.8069	.39348	.39891	.09484	3.4078	.45019
SDev	.0074	.0223	.00727	.00558	.00073	.0239	.00299
%RSD	.26217	.79357	1.8480	1.3993	.76521	.70009	.66415
#1	2.8297	2.7911	.38833	.39496	.09433	3.3909	.44808
#2	2.8402	2.8226	.39862	.40286	.09536	3.4246	.45230
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01015	9.2903	.01048	.09928	.04046	.31025	33.831
SDev	.00005	.0570	.00020	.00145	.00055	.00235	.228
%RSD	.43867	.61370	1.9557	1.4572	1.3576	.75630	.67280
#1	.01012	9.2500	.01034	.09826	.04008	.30859	33.670
#2	.01019	9.3307	.01063	.10030	.04085	.31191	33.992
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	11.067	8.1513	.10579	7.4837	.10097	.17864	.10438
SDev	.055	.0522	.00074	.0583	.00139	.00041	.00102
%RSD	.49985	.64035	.70032	.77884	1.3778	.23193	.97852
#1	11.028	8.1144	.10527	7.4425	.09999	.17834	.10366
#2	11.106	8.1882	.10632	7.5249	.10195	.17893	.10510
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.70307	.99417	2.8162	.39710	.45836
SDev	.00385	.00731	.0173	.00615	.00396
%RSD	.54785	.73502	.61544	1.5474	.86500
#1	.70034	.98901	2.8040	.39275	.46116
#2	.70579	.99934	2.8285	.40144	.45555
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: 05/24/04 12:53:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48782	.49243	.48776	.49129	.49452	49.113	.48403
SDev	.00099	.00561	.01145	.00412	.00572	.690	.00521
%RSD	.20373	1.1393	2.3482	.83838	1.1573	1.4053	1.0760
#1	.48853	.48846	.47966	.48838	.49048	48.625	.48035
#2	.48712	.49640	.49586	.49421	.49857	49.601	.48771
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	.49113	51.195	.48128	.48665	.49457	.50294	20.567
SDev	.00388	.404	.00234	.00435	.00305	.00568	.180
%RSD	.79002	.78881	.48538	.89321	.61623	1.1289	.87549
#1	.48839	50.910	.47963	.48357	.49242	.49893	20.439
#2	.49387	51.481	.48293	.48972	.49673	.50696	20.694
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	20.342	50.620	.47836	20.572	.47972	.47530	.49940
SDev	.284	.399	.00423	.262	.00146	.00555	.00358
%RSD	1.3947	.78855	.88377	1.2715	.30549	1.1672	.71700
#1	20.142	50.338	.47537	20.387	.47868	.47138	.49687
#2	20.543	50.902	.48135	20.757	.48076	.47923	.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	.48876	.48241	.49090	.49012	.50577
SDev	.00270	.00965	.00341	.00656	.00721
%RSD	.55239	2.0011	.69487	1.3387	1.4263
#1	.48685	.47559	.48848	.48548	.50067
#2	.49067	.48924	.49331	.49476	.51087
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: 05/24/04 12:56:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00111	.00110	-.00198	-.00045	.00079	.02125	-.00099
SDev	.00371	.00179	.00385	.00278	.00018	.00469	.00000
%RSD	334.93	163.40	195.05	617.87	23.051	22.089	.00000
#1	.00152	-.00017	.00075	-.00242	.00092	.02457	-.00099
#2	-.00373	.00237	-.00470	.00152	.00066	.01793	-.00099
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	.01316	-.00019	-.00013	-.00078	-.00009	.01501
SDev	.00004	.00404	.00002	.00067	.00038	.00028	.01078
%RSD	25.777	30.735	11.891	510.73	48.682	327.67	71.816
#1	.00020	.01602	-.00020	-.00060	-.00105	-.00028	.00739
#2	.00014	.01030	-.00017	.00034	-.00051	.00011	.02263
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	.36668	.01566	-.00024	.10834	-.00003	.00044	.00022
SDev	.02752	.00119	.00001	.00105	.00070	.00127	.00051
%RSD	7.5054	7.6175	3.5999	.97135	2686.0	285.49	230.54
#1	.34722	.01482	-.00023	.10909	-.00052	.00134	-.00014
#2	.38614	.01650	-.00024	.10760	.00047	-.00045	.00058
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	.00047	-.00037	.00036	-.00096	.00500
SDev	.00052	.00087	.00004	.00057	.00096
%RSD	110.47	234.10	10.917	59.794	19.093
#1	.00010	-.00098	.00039	-.00136	.00433
#2	.00083	.00024	.00033	-.00055	.00568
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: 0405169-13L 25X Operator: SW
Run Time: 05/24/04 12:59:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.24661	.25166	.00349	-.00089	.00860	.06836	.00330
SDev	.00028	.00413	.00245	.00422	.00016	.00137	.00004
%RSD	.11237	1.6393	70.002	474.69	1.8822	2.0099	1.1666
#1	.24680	.24874	.00522	.00210	.00848	.06933	.00327
#2	.24641	.25458	.00176	-.00387	.00871	.06739	.00333
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00007	.07684	-.00027	-.00025	-.00081	.02144	2.4314
SDev	.00001	.00064	.00011	.00011	.00006	.00013	.0247
%RSD	15.257	.83903	41.370	45.000	7.8147	.61233	1.0169
#1	.00008	.07638	-.00035	-.00017	-.00077	.02134	2.4139
#2	.00006	.07730	-.00019	-.00033	-.00086	.02153	2.4489
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	.67029	-.00088	.00006	.12674	-.00015	.00725	-.00005
SDev	.01476	.00151	.00002	.00000	.00006	.00099	.00013
%RSD	2.2018	171.91	29.115	.00000	38.752	13.602	258.88
#1	.65986	-.00195	.00005	.12674	-.00009	.00656	.00004
#2	.68073	.00019	.00007	.12674	-.00022	.00795	-.00014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Not Used
SW 5/24/04

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.05254	.04606	.24998	.00057	.00592
SDev	.00021	.00092	.00266	.00363	.00047
%RSD	.39328	1.9925	1.0638	636.78	7.8765
#1	.05239	.04541	.24810	.00314	.00625
#2	.05269	.04671	.25186	-.00200	.00559
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: 0405169-13L 25X Operator: SW
Run Time: 05/24/04 13:15:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.61023	.61963	.00472	-.00158	.02002	.19251	.00978
SDev	.00156	.00793	.00171	.00187	.00066	.00100	.00005
%RSD	.25579	1.2794	36.347	118.48	3.2894	.51804	.49180
#1	.60912	.61402	.00350	-.00291	.01955	.19322	.00975
#2	.61133	.62523	.00593	-.00026	.02048	.19181	.00982
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00009	.20201	-.00012	-.00064	-.00079	.05355	6.1443
SDev	.00000	.00164	.00018	.00022	.00026	.00033	.0640
%RSD	.20236	.81353	146.02	34.864	33.487	.61280	1.0416
#1	.00009	.20085	-.00025	-.00079	-.00098	.05332	6.0991
#2	.00009	.20317	.00000	-.00048	-.00060	.05378	6.1896
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	1.0997	.01594	.00059	.15114	.00061	.01620	.00049
SDev	.0327	.00119	.00003	.00069	.00009	.00065	.00038
%RSD	2.9720	7.4805	5.7892	.45559	14.713	4.0344	77.794
#1	1.0765	.01510	.00056	.15065	.00067	.01666	.00022
#2	1.1228	.01678	.00061	.15163	.00054	.01574	.00076
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.13067	.11912	.61650	.00052	.01793
SDev	.00176	.00274	.00581	.00182	.00026
%RSD	1.3453	2.3037	.94204	352.76	1.4611
#1	.12943	.11718	.61239	-.00077	.01775
#2	.13191	.12106	.62060	.00180	.01812
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: 05/24/04 13:18:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00581	.00662	.00833	.00740	.02006	.46027	.40921
SDev	.00151	.00292	.00242	.00197	.00021	.00159	.00391
%RSD	25.974	44.065	29.032	26.685	1.0445	.34476	.95480
#1	.00474	.00868	.00662	.00879	.01991	.45915	.40645
#2	.00688	.00455	.01004	.00600	.02021	.46140	.41197
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01015	9.9042	.00988	.10391	.01965	.05145	.22343
SDev	.00002	.0258	.00006	.00028	.00007	.00015	.01403
%RSD	.22001	.26032	.57174	.26889	.37636	.28701	6.2793
#1	.01014	9.8860	.00984	.10371	.01959	.05135	.23335
#2	.01017	9.9224	.00992	.10410	.01970	.05155	.21351
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	8.9879	9.9958	.03056	8.9786	.08302	.13297	.10555
SDev	.0608	.0214	.00009	.0702	.00048	.00536	.00038
%RSD	.67681	.21371	.30624	.78225	.57981	4.0327	.36287
#1	8.9449	9.9807	.03049	8.9289	.08336	.12917	.10528
#2	9.0309	10.011	.03062	9.0282	.08268	.13676	.10583
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	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	.04407	.01107	.00635	.00771	.02179
SDev	.00041	.00246	.00144	.00051	.00286
%RSD	.93774	22.183	22.711	6.6376	13.127
#1	.04436	.01281	.00737	.00807	.02382
#2	.04377	.00933	.00533	.00734	.01977
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: 05/24/04 13:20:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.01312	.00881	-.00968	.00808	.00040	487.22	-.00055
SDev	.00106	.00325	.00421	.00086	.00056	2.90	.00004
%RSD	8.1112	36.866	43.518	10.614	140.33	.59516	6.9751
#1	-.01236	.00651	-.00670	.00868	.00080	485.17	-.00052
#2	-.01387	.01110	-.01266	.00747	.00000	489.28	-.00058
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	.00088	508.48	-.00292	.00091	.00135	-.00285	203.65
SDev	.00000	1.52	.00022	.00014	.00034	.00008	.78
%RSD	.00725	.29887	7.5267	15.253	24.945	2.8822	.38100
#1	.00088	507.41	-.00308	.00101	.00159	-.00290	203.10
#2	.00088	509.56	-.00277	.00081	.00112	-.00279	204.20
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	.15755	516.18	.00635	.15491	.00144	.00482	.00500
SDev	.01704	1.94	.00001	.00173	.00037	.00549	.00013
%RSD	10.816	.37548	.13383	1.1190	25.669	113.75	2.5503
#1	.16959	514.81	.00635	.15613	.00170	.00870	.00491
#2	.14550	517.55	.00636	.15368	.00118	.00094	.00509
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	.00974	-.00097	.00151	.00216	-.00022
SDev	.00083	.00061	.00181	.00198	.00339
%RSD	8.4815	63.009	120.30	91.338	1563.5
#1	.01032	-.00054	.00022	.00356	-.00261
#2	.00916	-.00141	.00279	.00077	.00218
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: 05/24/04 13:23:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03860	.04843	.03228	.05786	.20325	478.26	.48022
SDev	.00285	.00273	.00289	.00162	.00113	3.94	.00371
%RSD	7.3896	5.6376	8.9462	2.8080	.55566	.82326	.77202
#1	.04061	.04650	.03023	.05671	.20245	475.48	.47760
#2	.03658	.05036	.03432	.05901	.20405	481.05	.48284
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	.46681	502.90	.85618	.44533	.45174	.51544	200.96
SDev	.00280	.86	.00131	.00072	.00202	.00527	.93
%RSD	.59987	.17183	.15265	.16229	.44737	1.0219	.46276
#1	.46483	502.29	.85526	.44584	.45031	.51171	200.30
#2	.46879	503.51	.85710	.44482	.45317	.51916	201.62
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	.17078	509.55	.45589	.20172	.85434	.56403	.47173
SDev	.02650	1.52	.00222	.00015	.00402	.00047	.00332
%RSD	15.516	.29819	.48606	.07544	.47019	.08359	.70475
#1	.18952	508.47	.45432	.20161	.85150	.56436	.46938
#2	.15205	510.62	.45745	.20183	.85719	.56369	.47408
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	.88751	.09299	.04516	.04934	.09723
SDev	.00084	.00027	.00087	.00204	.00416
%RSD	.09405	.29238	1.9295	4.1451	4.2820
#1	.88692	.09280	.04454	.04790	.09429
#2	.88810	.09319	.04577	.05079	.10017
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: 05/24/04 13:25:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48721	.49082	.49234	.49541	.49656	49.209	.48536
SDev	.00635	.00643	.00745	.00515	.00483	.395	.00445
%RSD	1.3025	1.3097	1.5126	1.0393	.97233	.80351	.91747
#1	.48272	.49537	.48707	.49177	.49314	48.929	.48221
#2	.49170	.48628	.49760	.49905	.49997	49.488	.48851
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	.49014	51.287	.47977	.48716	.49424	.50329	20.614
SDev	.00286	.220	.00063	.00262	.00323	.00473	.133
%RSD	.58387	.42804	.13067	.53774	.65305	.93901	.64663
#1	.48812	51.132	.47932	.48531	.49195	.49995	20.519
#2	.49217	51.442	.48021	.48901	.49652	.50663	20.708
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	20.398	50.635	.47909	20.679	.47833	.47545	.49940
SDev	.182	.180	.00305	.132	.00309	.00585	.00409
%RSD	.89069	.35480	.63593	.63757	.64631	1.2299	.81942
#1	20.270	50.507	.47694	20.586	.47614	.47132	.49651
#2	20.527	50.762	.48124	20.772	.48052	.47959	.50230
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	.48803	.48433	.48962	.49439	.50427
SDev	.00083	.00184	.00217	.00591	.00315
%RSD	.17022	.37934	.44409	1.1963	.62400
#1	.48744	.48303	.49116	.49021	.50204
#2	.48861	.48563	.48808	.49857	.50649
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: 05/24/04 13:28:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00266	.00100	.00041	-.00036	.00135	.03882	-.00094
SDev	.00030	.00160	.00077	.00046	.00035	.01372	.00011
%RSD	11.199	159.78	189.01	126.74	26.253	35.359	11.264
#1	-.00245	.00213	.00095	-.00069	.00160	.04852	-.00086
#2	-.00287	-.00013	-.00014	-.00004	.00110	.02911	-.00101
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00025	.03385	-.00004	-.00023	-.00042	.00022	.03387
SDev	.00006	.00983	.00020	.00019	.00027	.00031	.01165
%RSD	26.507	29.033	448.70	84.996	64.986	143.98	34.399
#1	.00029	.04080	.00010	-.00037	-.00023	.00044	.04211
#2	.00020	.02690	-.00018	-.00009	-.00062	-.00000	.02563
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	.39507	.05180	-.00018	.10965	-.00004	.00088	.00013
SDev	.00084	.01767	.00006	.00203	.00036	.00348	.00013
%RSD	.21276	34.108	33.804	1.8489	855.75	397.90	97.283
#1	.39447	.06429	-.00013	.11108	.00021	.00334	.00022
#2	.39566	.03931	-.00022	.10822	-.00030	-.00159	.00004
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	.00047	-.00034	-.00022	-.00011	.00282
SDev	.00031	.00186	.00117	.00005	.00167
%RSD	66.282	549.53	534.98	47.080	59.185
#1	.00069	.00098	.00061	-.00014	.00400
#2	.00025	-.00166	-.00104	-.00007	.00164
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 MS040526A

Reviewed SW 5/28/04

STANDARD SOLUTIONS

ST030710-3 (EXPIRES: 06/01/04) = 40PPM - Al; 10PPM - Pb; 2PPM - Mo.

CALIBRATION STANDARDS

HIGH STD (200ppb - Al; 50ppb - Pb; 10ppb - Mo.) Made daily by diluting (ST030710-3) 200 fold, (0.05ml up to a 10 ml final volume).
MID LEVEL STD (40ppb - Al; 10ppb - Pb; 2ppb - Mo.) Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST030710-3).
LOW LEVEL STD (20ppb - Al; 5ppb - Pb; 1ppb – Mo.) Made daily by diluting 1.0ml of the HIGH STD calibration standard up to a 10ml final volume, (2000 fold dilution of ST030710-3).
RL STD (Al and Mo)- 2ppb - Al; 0.1ppb – Mo. Made daily by diluting 1.0ml of the LOW LEVEL STD above up to a 10ml final volume, (20,000 fold dilution of ST030710-3).
RL STD (Pb)- 0.05ppb – Pb. Made daily by diluting 0.1ml of the LOW LEVEL STD above up to a 10ml final volume, (200,000 fold dilution of ST030710-3).

INTERFERENCE CHECK SOLUTIONS

ICSA (Pb) 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 (Pb) 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 ST030710-3.) 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
Pb	0.01

ICSA (Mo) – Direct analysis of (ST030710-4 Expires 06-01-04). 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 (ST030710-7--EXPIRES: 08/16/04) up to a 10ml final volume with ICSA (Mo) solution above (ST030710-4 Expires 06-01-04). (This solution is a 250 fold dilution of ST030710-7.) 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

CALIBRATION CHECK STANDARDS

ICV Made daily by diluting ICV second source intermediate (ST030710-7--EXPIRES: 08/16/04) 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
Pb	12.5
Mo	2.5

CCV Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST030710-3). The CCV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	40
Pb	10
Mo	2

CRI Re-analysis of the RL STDs (made daily as described above). The CRI working solutions contains the following elements and concentrations:

Element	Concentration (ppb)
Al	2
Pb	0.05
Mo	0.1

BLANK

ICB / CCB and all diluent – 1% HNO_3, 1% HCl in double deionized water.

INTERNAL STANDARDS

Internal Standard Intermediate (ST040301-9--EXPIRES: 06/01/04) contains 500 ppb each of Bi, Rh, In, Ga, Pt, and 2,000ppb of Be. 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 5 ppb.

ACID LOT NUMBERS

HNO_3 – 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

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

0405126-1 was spiked for Pb at 10 ppb and Mo at 2ppb by diluting 0.02ml of (ST030710-7 = 2.5 ppm Pb and 500 ppb Mo) up to a 5 ml final volume with the ten fold diluted 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 ST030710-8) 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
Pb	0.04
Mo	0.02

Tuning Method Report

Method: C:\MASSLYNX\AUG2002.PRO\ACQUDB\14AUGJTF TUNE

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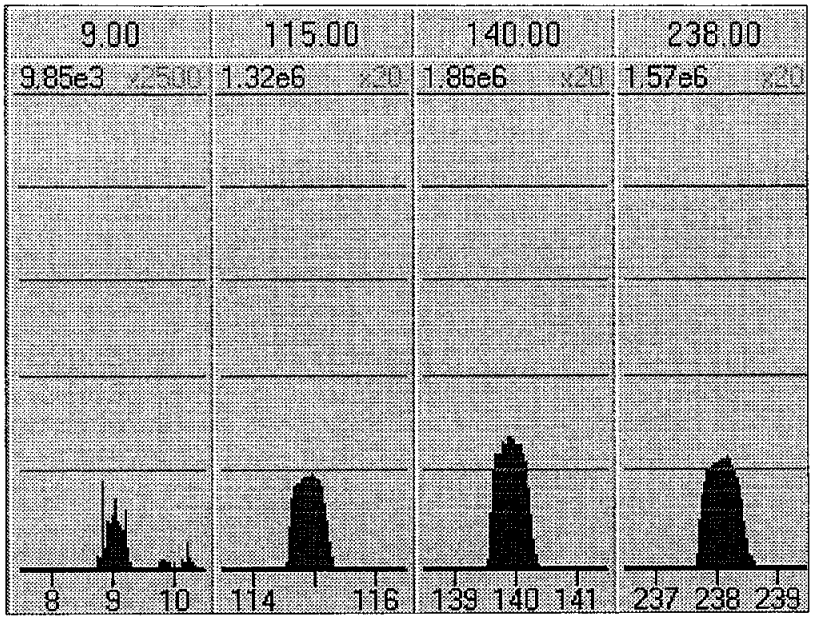

ANALYSER	Set	Rdbk
Cone Lens	50	-66
Hex Exit Lens	400	419
Hex Bias	0.2	
LM Resolution	12.5	
High Resolution	12.5	
Ion Energy	2.0	
Multiplier	500	-517

Pressures	Rdbk
Analyser Vacuum	2.6e-5

TORCH	Set	
X-Axis	2.26	2.23
Y-Axis	-0.50	-0.49
Z-Axis	-0.40	-0.41
Forward Power	1350	1341

GAS	Set	
Cool Gas	13.50	13.47
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	0.25

Quantify Compound Summary Report
26MAY04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 26MAY04A
Last modified: Wed May 26 09:42:31 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

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Compound 1: 9Be

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	26MAY04A 01			5485		0.280	26-May-(
2	26MAY04A 02			5273		0.279	26-May-(
3	26MAY04A 03			5155		0.299	26-May-(
4	26MAY04A 04			5117		0.284	26-May-(
5	26MAY04A 05			5033		0.263	26-May-(
6	26MAY04A 06			5024		0.251	26-May-(
7	26MAY04A 07			5067		0.312	26-May-(
8	26MAY04A 08			4992		0.303	26-May-(
9	26MAY04A 09			5209		0.318	26-May-(
10	26MAY04A 10			5140		0.239	26-May-(
11	26MAY04A 11			5198		0.262	26-May-(
12	26MAY04A 12			5211		0.250	26-May-(
13	26MAY04A 13			5212		0.339	26-May-(
14	26MAY04A 14			5181		0.306	26-May-(
15	26MAY04A 15			5248		0.297	26-May-(
16	26MAY04A 16			5156		0.268	26-May-(
17	26MAY04A 17			5148		0.374	26-May-(
18	26MAY04A 18			5094		0.301	26-May-(
19	26MAY04A 19			5266		0.295	26-May-(
20	26MAY04A 20			5185		0.281	26-May-(
21	26MAY04A 21			5351		0.265	26-May-(
22	26MAY04A 22			5129		0.329	26-May-(
23	26MAY04A 23			5241		0.309	26-May-(
24	26MAY04A 24			5410		0.290	26-May-(
25	26MAY04A 25			5608		0.275	26-May-(
26	26MAY04A 26			5351		0.314	26-May-(
27	26MAY04A 27			5838		0.317	26-May-(
28	26MAY04A 28			5883		0.314	26-May-(
29	26MAY04A 29			6022		0.260	26-May-(
30	26MAY04A 30			6158		0.225	26-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 26MAY04A
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Compound 2: 24Mg

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	26MAY04A 01			63839		0.054	26-May-(
2	26MAY04A 02			62917		0.055	26-May-(
3	26MAY04A 03			62737		0.052	26-May-(
4	26MAY04A 04			63052		0.051	26-May-(
5	26MAY04A 05			62797		0.059	26-May-(
6	26MAY04A 06			62562		0.046	26-May-(
7	26MAY04A 07			62409		0.056	26-May-(
8	26MAY04A 08			62789		0.058	26-May-(
9	26MAY04A 09			62648		0.061	26-May-(
10	26MAY04A 10			62717		0.061	26-May-(
11	26MAY04A 11			63016		0.057	26-May-(
12	26MAY04A 12			63068		0.059	26-May-(
13	26MAY04A 13			63000		0.050	26-May-(
14	26MAY04A 14			63468		0.055	26-May-(
15	26MAY04A 15			63664		0.051	26-May-(
16	26MAY04A 16			63937		0.052	26-May-(
17	26MAY04A 17			63553		0.068	26-May-(
18	26MAY04A 18			63393		0.049	26-May-(
19	26MAY04A 19			65415		0.057	26-May-(
20	26MAY04A 20			64379		0.053	26-May-(
21	26MAY04A 21			65368		0.042	26-May-(
22	26MAY04A 22			64383		0.055	26-May-(
23	26MAY04A 23			66353		0.056	26-May-(
24	26MAY04A 24			68029		0.049	26-May-(
25	26MAY04A 25			68632		0.050	26-May-(
26	26MAY04A 26			66477		0.061	26-May-(
27	26MAY04A 27			71370		0.057	26-May-(
28	26MAY04A 28			73219		0.051	26-May-(
29	26MAY04A 29			73663		0.048	26-May-(
30	26MAY04A 30			73992		0.049	26-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 26MAY04A
Last modified: Wed May 26 09:42:31 2004
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Compound 3: 59Co

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	26MAY04A 01			455616		0.015	26-May-(
2	26MAY04A 02			452111		0.016	26-May-(
3	26MAY04A 03			454249		0.015	26-May-(
4	26MAY04A 04			453960		0.017	26-May-(
5	26MAY04A 05			450312		0.018	26-May-(
6	26MAY04A 06			449133		0.017	26-May-(
7	26MAY04A 07			449284		0.014	26-May-(
8	26MAY04A 08			451795		0.016	26-May-(
9	26MAY04A 09			449144		0.016	26-May-(
10	26MAY04A 10			448941		0.016	26-May-(
11	26MAY04A 11			451912		0.013	26-May-(
12	26MAY04A 12			449114		0.016	26-May-(
13	26MAY04A 13			449901		0.016	26-May-(
14	26MAY04A 14			452683		0.015	26-May-(
15	26MAY04A 15			451535		0.017	26-May-(
16	26MAY04A 16			452924		0.016	26-May-(
17	26MAY04A 17			453997		0.020	26-May-(
18	26MAY04A 18			452111		0.018	26-May-(
19	26MAY04A 19			463616		0.016	26-May-(
20	26MAY04A 20			458857		0.017	26-May-(
21	26MAY04A 21			463036		0.015	26-May-(
22	26MAY04A 22			456463		0.017	26-May-(
23	26MAY04A 23			468401		0.016	26-May-(
24	26MAY04A 24			475659		0.014	26-May-(
25	26MAY04A 25			484183		0.014	26-May-(
26	26MAY04A 26			468936		0.018	26-May-(
27	26MAY04A 27			495590		0.015	26-May-(
28	26MAY04A 28			506296		0.013	26-May-(
29	26MAY04A 29			515287		0.015	26-May-(
30	26MAY04A 30			513685		0.015	26-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 26MAY04A
Last modified: Wed May 26 09:42:31 2004
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Compound 4: 60Ni

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	26MAY04A 01			89669		0.040	26-May-(
2	26MAY04A 02			88731		0.035	26-May-(
3	26MAY04A 03			88790		0.038	26-May-(
4	26MAY04A 04			88754		0.046	26-May-(
5	26MAY04A 05			88465		0.044	26-May-(
6	26MAY04A 06			87469		0.047	26-May-(
7	26MAY04A 07			87542		0.043	26-May-(
8	26MAY04A 08			88056		0.042	26-May-(
9	26MAY04A 09			87455		0.047	26-May-(
10	26MAY04A 10			86803		0.040	26-May-(
11	26MAY04A 11			87848		0.043	26-May-(
12	26MAY04A 12			87206		0.042	26-May-(
13	26MAY04A 13			87808		0.046	26-May-(
14	26MAY04A 14			88200		0.039	26-May-(
15	26MAY04A 15			88102		0.040	26-May-(
16	26MAY04A 16			88191		0.044	26-May-(
17	26MAY04A 17			88406		0.045	26-May-(
18	26MAY04A 18			88007		0.048	26-May-(
19	26MAY04A 19			91014		0.036	26-May-(
20	26MAY04A 20			89760		0.039	26-May-(
21	26MAY04A 21			90866		0.041	26-May-(
22	26MAY04A 22			89286		0.040	26-May-(
23	26MAY04A 23			91072		0.041	26-May-(
24	26MAY04A 24			92952		0.033	26-May-(
25	26MAY04A 25			94969		0.039	26-May-(
26	26MAY04A 26			91144		0.047	26-May-(
27	26MAY04A 27			97081		0.039	26-May-(
28	26MAY04A 28			99003		0.042	26-May-(
29	26MAY04A 29			100455		0.034	26-May-(
30	26MAY04A 30			100734		0.036	26-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 26MAY04A
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Compound 5: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	26MAY04A 01			1325929		0.009	26-May-(
2	26MAY04A 02			1309967		0.008	26-May-(
3	26MAY04A 03			1310088		0.009	26-May-(
4	26MAY04A 04			1298131		0.010	26-May-(
5	26MAY04A 05			1286249		0.007	26-May-(
6	26MAY04A 06			1272215		0.010	26-May-(
7	26MAY04A 07			1271642		0.010	26-May-(
8	26MAY04A 08			1280693		0.008	26-May-(
9	26MAY04A 09			1271401		0.008	26-May-(
10	26MAY04A 10			1268179		0.009	26-May-(
11	26MAY04A 11			1269881		0.009	26-May-(
12	26MAY04A 12			1265679		0.010	26-May-(
13	26MAY04A 13			1261960		0.009	26-May-(
14	26MAY04A 14			1275949		0.008	26-May-(
15	26MAY04A 15			1267501		0.008	26-May-(
16	26MAY04A 16			1266432		0.009	26-May-(
17	26MAY04A 17			1277395		0.010	26-May-(
18	26MAY04A 18			1262758		0.010	26-May-(
19	26MAY04A 19			1307513		0.008	26-May-(
20	26MAY04A 20			1283735		0.009	26-May-(
21	26MAY04A 21			1297830		0.009	26-May-(
22	26MAY04A 22			1275121		0.010	26-May-(
23	26MAY04A 23			1310027		0.009	26-May-(
24	26MAY04A 24			1332119		0.008	26-May-(
25	26MAY04A 25			1351996		0.008	26-May-(
26	26MAY04A 26			1301323		0.011	26-May-(
27	26MAY04A 27			1378982		0.009	26-May-(
28	26MAY04A 28			1412382		0.009	26-May-(
29	26MAY04A 29			1427592		0.008	26-May-(
30	26MAY04A 30			1426749		0.007	26-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 26MAY04A
Last modified: Wed May 26 09:42:31 2004
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Job Code:

Printed: Wed May 26 10:16:09 2004

Compound 6: 140Ce

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	26MAY04A 01			1751115		0.006	26-May-(
2	26MAY04A 02			1734641		0.006	26-May-(
3	26MAY04A 03			1740966		0.007	26-May-(
4	26MAY04A 04			1719447		0.008	26-May-(
5	26MAY04A 05			1695066		0.007	26-May-(
6	26MAY04A 06			1683938		0.008	26-May-(
7	26MAY04A 07			1683983		0.007	26-May-(
8	26MAY04A 08			1689133		0.007	26-May-(
9	26MAY04A 09			1683456		0.007	26-May-(
10	26MAY04A 10			1668608		0.007	26-May-(
11	26MAY04A 11			1672493		0.007	26-May-(
12	26MAY04A 12			1674496		0.006	26-May-(
13	26MAY04A 13			1667343		0.006	26-May-(
14	26MAY04A 14			1678276		0.007	26-May-(
15	26MAY04A 15			1675746		0.007	26-May-(
16	26MAY04A 16			1676002		0.008	26-May-(
17	26MAY04A 17			1691211		0.008	26-May-(
18	26MAY04A 18			1667644		0.008	26-May-(
19	26MAY04A 19			1725681		0.007	26-May-(
20	26MAY04A 20			1701225		0.008	26-May-(
21	26MAY04A 21			1712399		0.008	26-May-(
22	26MAY04A 22			1691543		0.008	26-May-(
23	26MAY04A 23			1739385		0.007	26-May-(
24	26MAY04A 24			1758419		0.008	26-May-(
25	26MAY04A 25			1789681		0.007	26-May-(
26	26MAY04A 26			1724416		0.009	26-May-(
27	26MAY04A 27			1821741		0.007	26-May-(
28	26MAY04A 28			1867490		0.007	26-May-(
29	26MAY04A 29			1884597		0.007	26-May-(
30	26MAY04A 30			1888390		0.006	26-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 26MAY04A
Last modified: Wed May 26 09:42:31 2004
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Last modified: Wed Nov 13 14:31:12 2002
Job Code:

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Compound 7: 140CeO

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	26MAY04A 01			61520		0.077	26-May-(
2	26MAY04A 02			60766		0.073	26-May-(
3	26MAY04A 03			60282		0.086	26-May-(
4	26MAY04A 04			59048		0.071	26-May-(
5	26MAY04A 05			57400		0.070	26-May-(
6	26MAY04A 06			58108		0.084	26-May-(
7	26MAY04A 07			57863		0.079	26-May-(
8	26MAY04A 08			60022		0.075	26-May-(
9	26MAY04A 09			60984		0.089	26-May-(
10	26MAY04A 10			59761		0.085	26-May-(
11	26MAY04A 11			61352		0.077	26-May-(
12	26MAY04A 12			62355		0.084	26-May-(
13	26MAY04A 13			62007		0.071	26-May-(
14	26MAY04A 14			61815		0.086	26-May-(
15	26MAY04A 15			62585		0.080	26-May-(
16	26MAY04A 16			60872		0.078	26-May-(
17	26MAY04A 17			62629		0.072	26-May-(
18	26MAY04A 18			57995		0.070	26-May-(
19	26MAY04A 19			62214		0.079	26-May-(
20	26MAY04A 20			60837		0.083	26-May-(
21	26MAY04A 21			59599		0.089	26-May-(
22	26MAY04A 22			58634		0.081	26-May-(
23	26MAY04A 23			62992		0.072	26-May-(
24	26MAY04A 24			63298		0.071	26-May-(
25	26MAY04A 25			66574		0.074	26-May-(
26	26MAY04A 26			63189		0.086	26-May-(
27	26MAY04A 27			69558		0.085	26-May-(
28	26MAY04A 28			74830		0.066	26-May-(
29	26MAY04A 29			76807		0.066	26-May-(
30	26MAY04A 30			77090		0.058	26-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 26MAY04A
Last modified: Wed May 26 09:42:31 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed May 26 10:16:09 2004

Compound 11: Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	26MAY04A 01			1130974		0.000	26-May-(
2	26MAY04A 02			1131264		0.000	26-May-(
3	26MAY04A 03			1136079		0.000	26-May-(
4	26MAY04A 04			1130565		0.000	26-May-(
5	26MAY04A 05			1121653		0.000	26-May-(
6	26MAY04A 06			1113338		0.000	26-May-(
7	26MAY04A 07			1114956		0.000	26-May-(
8	26MAY04A 08			1120921		0.000	26-May-(
9	26MAY04A 09			1120638		0.000	26-May-(
10	26MAY04A 10			1121616		0.000	26-May-(
11	26MAY04A 11			1121195		0.000	26-May-(
12	26MAY04A 12			1117908		0.000	26-May-(
13	26MAY04A 13			1122806		0.000	26-May-(
14	26MAY04A 14			1122592		0.000	26-May-(
15	26MAY04A 15			1125727		0.000	26-May-(
16	26MAY04A 16			1123952		0.000	26-May-(
17	26MAY04A 17			1132860		0.000	26-May-(
18	26MAY04A 18			1122119		0.000	26-May-(
19	26MAY04A 19			1148476		0.000	26-May-(
20	26MAY04A 20			1144261		0.000	26-May-(
21	26MAY04A 21			1153325		0.000	26-May-(
22	26MAY04A 22			1144569		0.000	26-May-(
23	26MAY04A 23			1172232		0.000	26-May-(
24	26MAY04A 24			1180815		0.000	26-May-(
25	26MAY04A 25			1205091		0.000	26-May-(
26	26MAY04A 26			1170396		0.000	26-May-(
27	26MAY04A 27			1232789		0.000	26-May-(
28	26MAY04A 28			1256859		0.000	26-May-(
29	26MAY04A 29			1266105		0.000	26-May-(
30	26MAY04A 30			1266483		0.000	26-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 26MAY04A
Last modified: Wed May 26 09:42:31 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed May 26 10:16:09 2004

Compound 12: 209Bi

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	26MAY04A 01			986443		0.010	26-May-(
2	26MAY04A 02			984395		0.012	26-May-(
3	26MAY04A 03			989952		0.011	26-May-(
4	26MAY04A 04			985916		0.013	26-May-(
5	26MAY04A 05			978899		0.011	26-May-(
6	26MAY04A 06			970662		0.010	26-May-(
7	26MAY04A 07			969713		0.012	26-May-(
8	26MAY04A 08			975345		0.011	26-May-(
9	26MAY04A 09			972228		0.009	26-May-(
10	26MAY04A 10			979125		0.009	26-May-(
11	26MAY04A 11			970948		0.012	26-May-(
12	26MAY04A 12			971851		0.008	26-May-(
13	26MAY04A 13			978146		0.010	26-May-(
14	26MAY04A 14			976655		0.010	26-May-(
15	26MAY04A 15			978146		0.011	26-May-(
16	26MAY04A 16			979381		0.009	26-May-(
17	26MAY04A 17			986338		0.010	26-May-(
18	26MAY04A 18			974080		0.011	26-May-(
19	26MAY04A 19			998460		0.009	26-May-(
20	26MAY04A 20			991654		0.010	26-May-(
21	26MAY04A 21			1004092		0.010	26-May-(
22	26MAY04A 22			989049		0.011	26-May-(
23	26MAY04A 23			1013459		0.011	26-May-(
24	26MAY04A 24			1024617		0.011	26-May-(
25	26MAY04A 25			1044405		0.010	26-May-(
26	26MAY04A 26			1016094		0.011	26-May-(
27	26MAY04A 27			1069749		0.009	26-May-(
28	26MAY04A 28			1088060		0.011	26-May-(
29	26MAY04A 29			1098541		0.009	26-May-(
30	26MAY04A 30			1098252		0.008	26-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 26MAY04A
Last modified: Wed May 26 09:42:31 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed May 26 10:16:09 2004

Compound 13: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	26MAY04A 01			1529163		0.009	26-May-(
2	26MAY04A 02			1532296		0.008	26-May-(
3	26MAY04A 03			1532537		0.009	26-May-(
4	26MAY04A 04			1527010		0.009	26-May-(
5	26MAY04A 05			1507208		0.009	26-May-(
6	26MAY04A 06			1503187		0.010	26-May-(
7	26MAY04A 07			1504873		0.008	26-May-(
8	26MAY04A 08			1522176		0.009	26-May-(
9	26MAY04A 09			1514240		0.008	26-May-(
10	26MAY04A 10			1511198		0.009	26-May-(
11	26MAY04A 11			1509376		0.008	26-May-(
12	26MAY04A 12			1512177		0.009	26-May-(
13	26MAY04A 13			1515671		0.009	26-May-(
14	26MAY04A 14			1525369		0.009	26-May-(
15	26MAY04A 15			1526001		0.008	26-May-(
16	26MAY04A 16			1525323		0.008	26-May-(
17	26MAY04A 17			1516649		0.013	26-May-(
18	26MAY04A 18			1519586		0.010	26-May-(
19	26MAY04A 19			1563844		0.008	26-May-(
20	26MAY04A 20			1544026		0.012	26-May-(
21	26MAY04A 21			1559417		0.010	26-May-(
22	26MAY04A 22			1534374		0.011	26-May-(
23	26MAY04A 23			1582487		0.009	26-May-(
24	26MAY04A 24			1599353		0.007	26-May-(
25	26MAY04A 25			1625886		0.009	26-May-(
26	26MAY04A 26			1569521		0.015	26-May-(
27	26MAY04A 27			1668698		0.009	26-May-(
28	26MAY04A 28			1693500		0.008	26-May-(
29	26MAY04A 29			1719326		0.008	26-May-(
30	26MAY04A 30			1713250		0.007	26-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 26MAY04A
Last modified: Wed May 26 09:42:31 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Wed May 26 10:16:09 2004

Compound 14: 220BKGD

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	26MAY04A 01			2		78.494	26-May-(
2	26MAY04A 02			1		145.551	26-May-(
3	26MAY04A 03			2		113.777	26-May-(
4	26MAY04A 04			1		108.642	26-May-(
5	26MAY04A 05			1		153.309	26-May-(
6	26MAY04A 06			2		86.595	26-May-(
7	26MAY04A 07			1		108.438	26-May-(
8	26MAY04A 08			1		138.160	26-May-(
9	26MAY04A 09			1		145.501	26-May-(
10	26MAY04A 10			1		160.220	26-May-(
11	26MAY04A 11			1		159.954	26-May-(
12	26MAY04A 12			1		138.048	26-May-(
13	26MAY04A 13			1		127.116	26-May-(
14	26MAY04A 14			1		193.500	26-May-(
15	26MAY04A 15			1		127.047	26-May-(
16	26MAY04A 16			1		145.728	26-May-(
17	26MAY04A 17			1		168.458	26-May-(
18	26MAY04A 18			1		137.696	26-May-(
19	26MAY04A 19			2		78.415	26-May-(
20	26MAY04A 20			1		138.690	26-May-(
21	26MAY04A 21			1		145.805	26-May-(
22	26MAY04A 22			1		191.277	26-May-(
23	26MAY04A 23			1		168.951	26-May-(
24	26MAY04A 24			1		169.128	26-May-(
25	26MAY04A 25			1		108.804	26-May-(
26	26MAY04A 26						
27	26MAY04A 27			1		138.047	26-May-(
28	26MAY04A 28			1		108.745	26-May-(
29	26MAY04A 29			2		86.484	26-May-(
30	26MAY04A 30			1		150.326	26-May-(

Quantify Compound Summary Report
26MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\26MAY04A
Last modified: Wed May 26 15:49:12 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL PB MO+IS
Last modified: Wed May 26 15:50:25 2004
Job Code:

Printed: Wed May 26 15:50:59 2004

Compound 1: 27Al

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	26MAY04A 01	RINSE	0	8788	149104	0.206	26-May-04	10:35:03	12
2	26MAY04A 02	RINSE	0	7610	133746	0.242	26-May-04	10:37:26	12
3	26MAY04A 03	RINSE	0	8311	130691	0.701	26-May-04	10:40:46	12
4	26MAY04A 04	RINSE	0.12057	10775	133213	0.194	26-May-04	10:44:05	12
5	26MAY04A 05	0 STD (ALL)	0.18018	11920	141082	0.176	26-May-04	10:47:26	12
6	26MAY04A 06	0.05 STD (PB)	0.055562	11206	145619	0.167	26-May-04	10:50:47	12
7	26MAY04A 07	0.1(MO)_2 (AL) STD	1.6075	23664	138556	0.131	26-May-04	10:54:07	12
8	26MAY04A 08	LOW STD (ALL)	20.066	173142	134773	0.033	26-May-04	10:57:28	12
9	26MAY04A 09	MID STD (ALL)	40.597	337238	133874	0.020	26-May-04	11:00:50	12
10	26MAY04A 10	HIGH STD (ALL)	199.87	1722714	144406	0.008	26-May-04	11:04:11	12
11	26MAY04A 11	HIGH STD READBACK	202.19	1789542	148333	0.008	26-May-04	11:07:32	12
12	26MAY04A 12	ICV	52.941	445181	136605	0.017	26-May-04	11:10:54	12
13	26MAY04A 13	ICB	0	6729	130053	0.290	26-May-04	11:19:17	12
14	26MAY04A 14	CRI (PB)	0.17673	11776	139722	0.221	26-May-04	11:24:40	12
15	26MAY04A 15	CRI (AL_MO)	1.8387	26489	143366	0.099	26-May-04	11:28:03	12
16	26MAY04A 16	ICSA (MO)		87282488	160528	0.000	26-May-04	11:31:24	12
17	26MAY04A 17	ICSAB (MO)		90388888	160845	0.000	26-May-04	11:34:46	12
18	26MAY04A 18	ICSA (PB)		93555096	154966	0.000	26-May-04	11:38:10	12
19	26MAY04A 19	ICSAB (PB)		98306456	165382	0.000	26-May-04	11:41:35	12
20	26MAY04A 20	CCV	43.444	371926	138269	0.020	26-May-04	12:07:37	12
21	26MAY04A 21	CCB	0.31702	12963	139741	0.319	26-May-04	12:10:58	12
22	26MAY04A 22	0405170-1 100X *	36.643	306707	134417	0.018	26-May-04	12:15:19	12
23	26MAY04A 23	0405170-1D 100X DNU	36.975	294950	128146	0.024	26-May-04	12:18:41	12
24	26MAY04A 24	0405170-1 10X	368.49	3042202	141021	0.004	26-May-04	12:22:03	12
25	26MAY04A 25	0405170-1D 10X	373.34	3151411	144263	0.008	26-May-04	12:25:26	12
26	26MAY04A 26	IP040521-3MB 10X	0	7788	137501	0.416	26-May-04	12:28:50	12
27	26MAY04A 27	IM040521-3LCS 10X	43.471	348182	129365	0.024	26-May-04	12:37:13	12

* = use
DNU = do not use

Quantify Compound Summary Report
26MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\26MAY04A
Last modified: Wed May 26 15:49:12 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL PB MO+IS
Last modified: Wed May 26 15:50:25 2004
Job Code:

Printed: Wed May 26 15:50:59 2004

Compound 1: 27Al

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	26MAY04A 28	0404190-1 1000X *	112.76	955840	140176	0.010	26-May-04	12:40:36	12
29	26MAY04A 29	0404190-1D 1000X DNU	114.93	980314	141104	0.010	26-May-04	12:44:00	12
30	26MAY04A 30	0404190-1 100X	1158.9	10749338	172288	0.002	26-May-04	12:47:23	12
31	26MAY04A 31	0404190-1D 100X	1310.4	11991245	172800	0.001	26-May-04	12:50:48	12
32	26MAY04A 32	CCV	43.862	386717	142442	0.018	26-May-04	13:14:13	12
33	26MAY04A 33	CCB	0.028619	10032	133183	0.349	26-May-04	13:17:34	12
34	26MAY04A 34	0405114-1 10X Probably	0.23140	13269	151494	0.174	26-May-04	13:20:55	12
35	26MAY04A 35	0405114-1L 50X No Al	0.14409	12007	145879	0.197	26-May-04	13:24:18	12
36	26MAY04A 36	0405114-1MS 10X	46.814	430442	148845	0.023	26-May-04	13:27:42	12
37	26MAY04A 37	0405114-1MSD 10X	47.441	463360	158173	0.015	26-May-04	13:31:07	12
38	26MAY04A 38	0405114-2 10X	1.4672	26340	162285	0.154	26-May-04	13:34:29	12
39	26MAY04A 39	0405114-3 10X	0.29773	13932	152099	0.327	26-May-04	13:37:49	12
40	26MAY04A 40	0405114-4 10X	0.0076283	12152	164093	0.275	26-May-04	13:41:11	12
41	26MAY04A 41	0405114-5 10X	0.68110	17736	154522	0.223	26-May-04	13:44:32	12
42	26MAY04A 42	0405114-6 100X	0.19126	12671	148790	0.292	26-May-04	13:47:54	12
43	26MAY04A 43	0405114-7 100X	0.16356	12998	155693	0.340	26-May-04	13:51:17	12
44	26MAY04A 44	CCV	45.615	409824	145325	0.016	26-May-04	13:54:39	12
45	26MAY04A 45	CCB	0	9840	141011	0.379	26-May-04	13:58:02	12
46	26MAY04A 46	0405114-8 100X	0.070649	11681	150013	0.248	26-May-04	14:01:23	12
47	26MAY04A 47	0405114-9 100X	0.040987	11446	150461	0.176	26-May-04	14:04:44	12
48	26MAY04A 48	0405114-10 100X	0.34112	13379	141994	0.178	26-May-04	14:08:07	12
49	26MAY04A 49	0405114-11 100X	0.76296	16431	137235	0.201	26-May-04	14:11:32	12
50	26MAY04A 50	0405114-12 100X	0.58747	14925	136778	0.157	26-May-04	14:14:56	12
51	26MAY04A 51	0405114-13 100X	0	10646	148298	0.205	26-May-04	14:18:21	12
52	26MAY04A 52	0405114-14 100X	0.29432	13147	143853	0.134	26-May-04	14:21:45	12
53	26MAY04A 53	0405114-15 100X	0.22223	11739	134880	0.147	26-May-04	14:25:06	12
54	26MAY04A 54	0405114-16 100X	0	9973	141661	0.188	26-May-04	14:28:28	12

No Al remainder of sequence

* = use
DNU = do not use

Quantify Compound Summary Report
26MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\26MAY04A
Last modified: Wed May 26 15:49:12 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL PB MO+IS
Last modified: Wed May 26 15:50:25 2004
Job Code:

Printed: Wed May 26 15:50:59 2004

Compound 1: 27Al

No Al

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	26MAY04A 55	0405126-1 100X	1.0484	20246	147792	0.119	26-May-04	14:31:51	12
56	26MAY04A 56	CCV	48.561	432819	144438	0.016	26-May-04	14:35:15	12
57	26MAY04A 57	CCB	0	9280	139110	0.254	26-May-04	14:38:38	12
58	26MAY04A 58	0405126-2 100X	0.93090	18768	144499	0.143	26-May-04	14:42:01	12
59	26MAY04A 59	IP040521-1MB 10X	2.9465	36137	143558	0.077	26-May-04	14:45:24	12
60	26MAY04A 60	IM040521-1LCS 10X	56.417	491712	141830	0.017	26-May-04	14:48:48	12
61	26MAY04A 61	0405095-1 10X *	13.373	125788	142739	0.030	26-May-04	14:52:11	12
62	26MAY04A 62	0405095-1D 10X	13.143	124221	143210	0.028	26-May-04	14:55:34	12
63	26MAY04A 63	0405095-1L 50X	2.9681	34714	137193	0.111	26-May-04	14:59:00	12
64	26MAY04A 64	0405095-1MS 10X	72.126	639616	145197	0.014	26-May-04	15:02:24	12
65	26MAY04A 65	0405095-1MSD 10X	61.086	542144	144723	0.014	26-May-04	15:05:49	12
66	26MAY04A 66	0405095-4 10X	36.341	328576	145158	0.019	26-May-04	15:09:13	12
67	26MAY04A 67	0405095-6 10X	21.848	197341	141766	0.026	26-May-04	15:12:35	12
68	26MAY04A 68	CCV	50.482	417334	134121	0.018	26-May-04	15:15:57	12
69	26MAY04A 69	CCB	0	8512	132691	0.261	26-May-04	15:19:20	12
70	26MAY04A 70	RINSE	1.3265	21881	142269	0.194	26-May-04	15:38:43	12

* - do not report Al from this sequence.

Quantify Compound Summary Report
26MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\26MAY04A
Last modified: Wed May 26 15:49:12 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL PB MO+IS
Last modified: Wed May 26 15:50:25 2004
Job Code:

Printed: Wed May 26 15:50:59 2004

Compound 2: 98Mo

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	26MAY04A 01	RINSE	0.0013759	340	704269	2.080	26-May-04	10:35:03	5
2	26MAY04A 02	RINSE	0.0028285	340	625434	2.124	26-May-04	10:37:26	5
3	26MAY04A 03	RINSE	0.0035753	351	610534	1.639	26-May-04	10:40:46	5
4	26MAY04A 04	RINSE	0.0033422	351	621082	1.921	26-May-04	10:44:05	5
5	26MAY04A 05	0 STD (ALL)	0.0030987	365	657728	1.846	26-May-04	10:47:26	5
6	26MAY04A 06	0.05 STD (PB)	0.0083409	528	681677	1.297	26-May-04	10:50:47	5
7	26MAY04A 07	0.1(MO)_ 2 (AL) STD	0.086901	2596	638093	0.479	26-May-04	10:54:07	5
8	26MAY04A 08	LOW STD (ALL)	0.95303	25381	623552	0.106	26-May-04	10:57:28	5
9	26MAY04A 09	MID STD (ALL)	2.0695	55010	619520	0.060	26-May-04	11:00:50	5
10	26MAY04A 10	HIGH STD (ALL)	9.9920	306064	668058	0.022	26-May-04	11:04:11	5
11	26MAY04A 11	HIGH STD READBACK	10.064	317139	686861	0.019	26-May-04	11:07:32	5
12	26MAY04A 12	ICV	2.6785	72866	631206	0.051	26-May-04	11:10:54	5
13	26MAY04A 13	ICB	0.033169	1097	604403	1.234	26-May-04	11:19:17	5
14	26MAY04A 14	CRI (PB)	0.029766	1068	638618	1.054	26-May-04	11:24:40	5
15	26MAY04A 15	CRI (AL_MO)	0.10449	3158	656998	0.444	26-May-04	11:28:03	5
16	26MAY04A 16	ICSA (MO)	0.049445	1804	722368	0.667	26-May-04	11:31:24	5
17	26MAY04A 17	ICSAB (MO)	2.3066	74035	746803	0.047	26-May-04	11:34:46	5
18	26MAY04A 18	ICSA (PB)	106.45	6436455	722982	0.004	26-May-04	11:38:10	5
19	26MAY04A 19	ICSAB (PB)	108.12	6806682	746880	0.004	26-May-04	11:41:35	5
20	26MAY04A 20	CCV	2.0626	55899	631654	0.061	26-May-04	12:07:37	5
21	26MAY04A 21	CCB	0.047879	1560	641536	0.776	26-May-04	12:10:58	5
22	26MAY04A 22	0405170-1 100X DNU	0.59453	15584	611891	0.124	26-May-04	12:15:19	5
23	26MAY04A 23	0405170-1D 100X ↓	0.60250	14907	577651	0.128	26-May-04	12:18:41	5
24	26MAY04A 24	0405170-1 10X *	6.6612	188883	636262	0.031	26-May-04	12:22:03	5
25	26MAY04A 25	0405170-1D 10X DNU	6.7649	194515	644621	0.024	26-May-04	12:25:26	5
26	26MAY04A 26	IP040521-3MB 10X	0.029832	1036	618458	1.175	26-May-04	12:28:50	5
27	26MAY04A 27	IM040521-3LCS 10X	2.0803	52789	591373	0.076	26-May-04	12:37:13	5

* = use
DNU = do not use

Quantify Compound Summary Report
26MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\26MAY04A
Last modified: Wed May 26 15:49:12 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL PB MO+IS
Last modified: Wed May 26 15:50:25 2004
Job Code:

Printed: Wed May 26 15:50:59 2004

Compound 2: 98Mo

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	26MAY04A 28	0404190-1 1000X DNU	0.14346	4050	628621	0.414	26-May-04	12:40:36	5
29	26MAY04A 29	0404190-1D 1000X ↓	0.12642	3618	631744	0.426	26-May-04	12:44:00	5
30	26MAY04A 30	0404190-1 100X *	1.3662	40950	701350	0.056	26-May-04	12:47:23	5
31	26MAY04A 31	0404190-1D 100X DNU	1.5129	45038	696128	0.063	26-May-04	12:50:48	5
32	26MAY04A 32	CCV	1.9120	52950	646093	0.055	26-May-04	13:14:13	5
33	26MAY04A 33	CCB	0.013850	611	607728	1.615	26-May-04	13:17:34	5
34	26MAY04A 34	0405114-1 10X Pb only	0.48503	14361	689267	0.132	26-May-04	13:20:55	5
35	26MAY04A 35	0405114-1L 50X	0.10776	3233	653952	0.400	26-May-04	13:24:18	5
36	26MAY04A 36	0405114-1MS 10X	2.6387	78117	687091	0.056	26-May-04	13:27:42	5
37	26MAY04A 37	0405114-1MSD 10X	2.6475	83909	735552	0.039	26-May-04	13:31:07	5
38	26MAY04A 38	0405114-2 10X	1.5041	48535	754611	0.062	26-May-04	13:34:29	5
39	26MAY04A 39	0405114-3 10X	0.45037	14531	750157	0.147	26-May-04	13:37:49	5
40	26MAY04A 40	0405114-4 10X	2.4355	79263	756506	0.039	26-May-04	13:41:11	5
41	26MAY04A 41	0405114-5 10X	0.51501	15756	712845	0.129	26-May-04	13:44:32	5
42	26MAY04A 42	0405114-6 100X	15.849	551040	722342	0.015	26-May-04	13:47:54	5
43	26MAY04A 43	0405114-7 100X	13.453	468099	737254	0.012	26-May-04	13:51:17	5
44	26MAY04A 44	CCV	2.1785	61408	656474	0.066	26-May-04	13:54:39	5
45	26MAY04A 45	CCB	0.054669	1728	636134	0.934	26-May-04	13:58:02	5
46	26MAY04A 46	0405114-8 100X	6.9333	219802	709696	0.023	26-May-04	14:01:23	5
47	26MAY04A 47	0405114-9 100X	6.1902	194768	708864	0.024	26-May-04	14:04:44	5
48	26MAY04A 48	0405114-10 100X	12.813	400621	665971	0.018	26-May-04	14:08:07	5
49	26MAY04A 49	0405114-11 100X	9.9213	307382	676122	0.018	26-May-04	14:11:32	5
50	26MAY04A 50	0405114-12 100X	36.896	1393792	670144	0.012	26-May-04	14:14:56	5
51	26MAY04A 51	0405114-13 100X	18.322	630400	700800	0.009	26-May-04	14:18:21	5
52	26MAY04A 52	0405114-14 100X	14.826	487987	689574	0.014	26-May-04	14:21:45	5
53	26MAY04A 53	0405114-15 100X	23.502	798246	664371	0.010	26-May-04	14:25:06	5
54	26MAY04A 54	0405114-16 100X ↓	18.052	600512	679002	0.012	26-May-04	14:28:28	5

* = use
DNU = do not use

Quantify Compound Summary Report
26MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\26MAY04A
Last modified: Wed May 26 15:49:12 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL PB MO+IS
Last modified: Wed May 26 15:50:25 2004
Job Code:

Printed: Wed May 26 15:50:59 2004

Compound 2: 98Mo

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	26MAY04A 55	0405126-1 100X	4.0650	124257	701274	0.029	26-May-04	14:31:51	5
56	26MAY04A 56	CCV	2.1211	57762	634458	0.057	26-May-04	14:35:15	5
57	26MAY04A 57	CCB	0.069528	2047	612954	1.037	26-May-04	14:38:38	5
58	26MAY04A 58	0405126-2 100X	1.6794	49292	685722	0.057	26-May-04	14:42:01	5
59	26MAY04A 59	IP040521-1MB 10X	0.044770	1436	623987	1.291	26-May-04	14:45:24	5
60	26MAY04A 60	IM040521-1LCS 10X	1.9702	52643	623155	0.051	26-May-04	14:48:48	5
61	26MAY04A 61	0405095-1 10X	0.035909	1200	621811	0.955	26-May-04	14:52:11	5
62	26MAY04A 62	0405095-1D 10X	0.040137	1299	616486	1.041	26-May-04	14:55:34	5
63	26MAY04A 63	0405095-1L 50X	0.040395	1240	585485	0.828	26-May-04	14:59:00	5
64	26MAY04A 64	0405095-1MS 10X	1.9760	53416	630413	0.050	26-May-04	15:02:24	5
65	26MAY04A 65	0405095-1MSD 10X	1.9888	53575	628173	0.059	26-May-04	15:05:49	5
66	26MAY04A 66	0405095-4 10X	0.027846	1007	632576	1.278	26-May-04	15:09:13	5
67	26MAY04A 67	0405095-6 10X	0.079537	2329	619507	0.528	26-May-04	15:12:35	5
68	26MAY04A 68	CCV	1.9122	48135	587302	0.070	26-May-04	15:15:57	5
69	26MAY04A 69	CCB	0.018764	705	582016	1.649	26-May-04	15:19:20	5
70	26MAY04A 70	RINSE	3.7277	106989	660314	0.037	26-May-04	15:38:43	5

Quantify Compound Summary Report
26MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\26MAY04A
Last modified: Wed May 26 15:49:12 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL PB MO+IS
Last modified: Wed May 26 15:50:25 2004
Job Code:

Printed: Wed May 26 15:50:59 2004

Compound 9: 0Lead

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	26MAY04A 01	RINSE	0.013699	1656	537101	0.000	26-May-04	10:35:03	10
2	26MAY04A 02	RINSE	0.013018	1420	484147	0.000	26-May-04	10:37:26	10
3	26MAY04A 03	RINSE	0.012971	1394	476880	0.000	26-May-04	10:40:46	10
4	26MAY04A 04	RINSE	0.011312	1248	488694	0.000	26-May-04	10:44:05	10
5	26MAY04A 05	0 STD (ALL)	0.011120	1296	515949	0.000	26-May-04	10:47:26	10
6	26MAY04A 06	0.05 STD (PB)	0.047452	5633	533312	0.000	26-May-04	10:50:47	10
7	26MAY04A 07	0.1(MO)_ 2 (AL) STD	0.40681	45324	502576	0.000	26-May-04	10:54:07	10
8	26MAY04A 08	LOW STD (ALL)	5.0393	549074	491722	0.000	26-May-04	10:57:28	10
9	26MAY04A 09	MID STD (ALL)	10.074	1095822	490874	0.000	26-May-04	11:00:50	10
10	26MAY04A 10	HIGH STD (ALL)	49.982	5834633	526560	0.000	26-May-04	11:04:11	10
11	26MAY04A 11	HIGH STD READBACK	49.924	6018155	543757	0.000	26-May-04	11:07:32	10
12	26MAY04A 12	ICV	13.075	1443797	498307	0.000	26-May-04	11:10:54	10
13	26MAY04A 13	ICB	0.025231	2704	479533	0.000	26-May-04	11:19:17	10
14	26MAY04A 14	CRI (PB)	0.063357	7114	505014	0.000	26-May-04	11:24:40	10
15	26MAY04A 15	CRI (AL_MO)	0.43842	50544	520070	0.000	26-May-04	11:28:03	10
16	26MAY04A 16	ICSA (MO)	0.13454	15327	513315	0.000	26-May-04	11:31:24	10
17	26MAY04A 17	ICSAB (MO)	11.305	1320925	527306	0.000	26-May-04	11:34:46	10
18	26MAY04A 18	ICSA (PB)	0.097297	11858	548838	0.000	26-May-04	11:38:10	10
19	26MAY04A 19	ICSAB (PB)	10.633	1336198	567117	0.000	26-May-04	11:41:35	10
20	26MAY04A 20	CCV	10.095	1177850	526512	0.000	26-May-04	12:07:37	10
21	26MAY04A 21	CCB	0.015391	1836	530774	0.000	26-May-04	12:10:58	10
22	26MAY04A 22	0405170-1 100X DNU	0.55714	63220	511939	0.000	26-May-04	12:15:19	10
23	26MAY04A 23	0405170-1D 100X	0.66502	71956	488195	0.000	26-May-04	12:18:41	10
24	26MAY04A 24	0405170-1 10X *	6.8628	803907	528637	0.000	26-May-04	12:22:03	10
25	26MAY04A 25	0405170-1D 10X DNU	6.9255	820616	534739	0.000	26-May-04	12:25:26	10
26	26MAY04A 26	IP040521-3MB 10X	0.0088062	1064	532086	0.000	26-May-04	12:28:50	10
27	26MAY04A 27	IM040521-3LCS 10X	10.482	1153918	496813	0.000	26-May-04	12:37:13	10

* = use
DNU = do not use

000208

Quantify Compound Summary Report
26MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\26MAY04A
Last modified: Wed May 26 15:49:12 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL PB MO+IS
Last modified: Wed May 26 15:50:25 2004
Job Code:

Printed: Wed May 26 15:50:59 2004

Compound 9: 0Lead

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	26MAY04A 28	0404190-1 1000X	DNU 1.1544	132764	518947	0.000	26-May-04	12:40:36	10
29	26MAY04A 29	0404190-1D 1000X	↓ 1.1189	130552	526506	0.000	26-May-04	12:44:00	10
30	26MAY04A 30	0404190-1 100X	* 12.712	1635527	580608	0.000	26-May-04	12:47:23	10
31	26MAY04A 31	0404190-1D 100X	DNU 14.014	1787499	575578	0.000	26-May-04	12:50:48	10
32	26MAY04A 32	CCV	9.7385	1154125	534816	0.000	26-May-04	13:14:13	10
33	26MAY04A 33	CCB	0.022875	2569	502086	0.000	26-May-04	13:17:34	10
34	26MAY04A 34	0405114-1 10X	0.020350	2546	558605	0.000	26-May-04	13:20:55	10
35	26MAY04A 35	0405114-1L 50X	0.017704	2157	543261	0.000	26-May-04	13:24:18	10
36	26MAY04A 36	0405114-1MS 10X	10.637	1312127	556675	0.000	26-May-04	13:27:42	10
37	26MAY04A 37	0405114-1MSD 10X	10.632	1379756	585651	0.000	26-May-04	13:31:07	10
38	26MAY04A 38	0405114-2 10X	0.032932	4379	596237	0.000	26-May-04	13:34:29	10
39	26MAY04A 39	0405114-3 10X	0.020274	2478	545715	0.000	26-May-04	13:37:49	10
40	26MAY04A 40	0405114-4 10X	0.013344	1829	608563	0.000	26-May-04	13:41:11	10
41	26MAY04A 41	0405114-5 10X	0.017049	2176	568883	0.000	26-May-04	13:44:32	10
42	26MAY04A 42	0405114-6 100X	0.017197	2015	522266	0.000	26-May-04	13:47:54	10
43	26MAY04A 43	0405114-7 100X	0.015653	1951	554893	0.000	26-May-04	13:51:17	10
44	26MAY04A 44	CCV	10.109	1213946	541939	0.000	26-May-04	13:54:39	10
45	26MAY04A 45	CCB	0.022877	2711	529792	0.000	26-May-04	13:58:02	10
46	26MAY04A 46	0405114-8 100X	0.015790	1866	526144	0.000	26-May-04	14:01:23	10
47	26MAY04A 47	0405114-9 100X	0.014258	1711	533427	0.000	26-May-04	14:04:44	10
48	26MAY04A 48	0405114-10 100X	0.018144	2014	495091	0.000	26-May-04	14:08:07	10
49	26MAY04A 49	0405114-11 100X	0.022476	2380	473386	0.000	26-May-04	14:11:32	10
50	26MAY04A 50	0405114-12 100X	0.018999	1989	467104	0.000	26-May-04	14:14:56	10
51	26MAY04A 51	0405114-13 100X	0.014315	1696	526637	0.000	26-May-04	14:18:21	10
52	26MAY04A 52	0405114-14 100X	0.014602	1670	508691	0.000	26-May-04	14:21:45	10
53	26MAY04A 53	0405114-15 100X	0.017311	1797	462730	0.000	26-May-04	14:25:06	10
54	26MAY04A 54	0405114-16 100X	0.015449	1726	497264	0.000	26-May-04	14:28:28	10

000203

* = use
DNU = do not use

Quantify Compound Summary Report
26MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\26MAY04A
Last modified: Wed May 26 15:49:12 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL PB MO+IS
Last modified: Wed May 26 15:50:25 2004
Job Code:

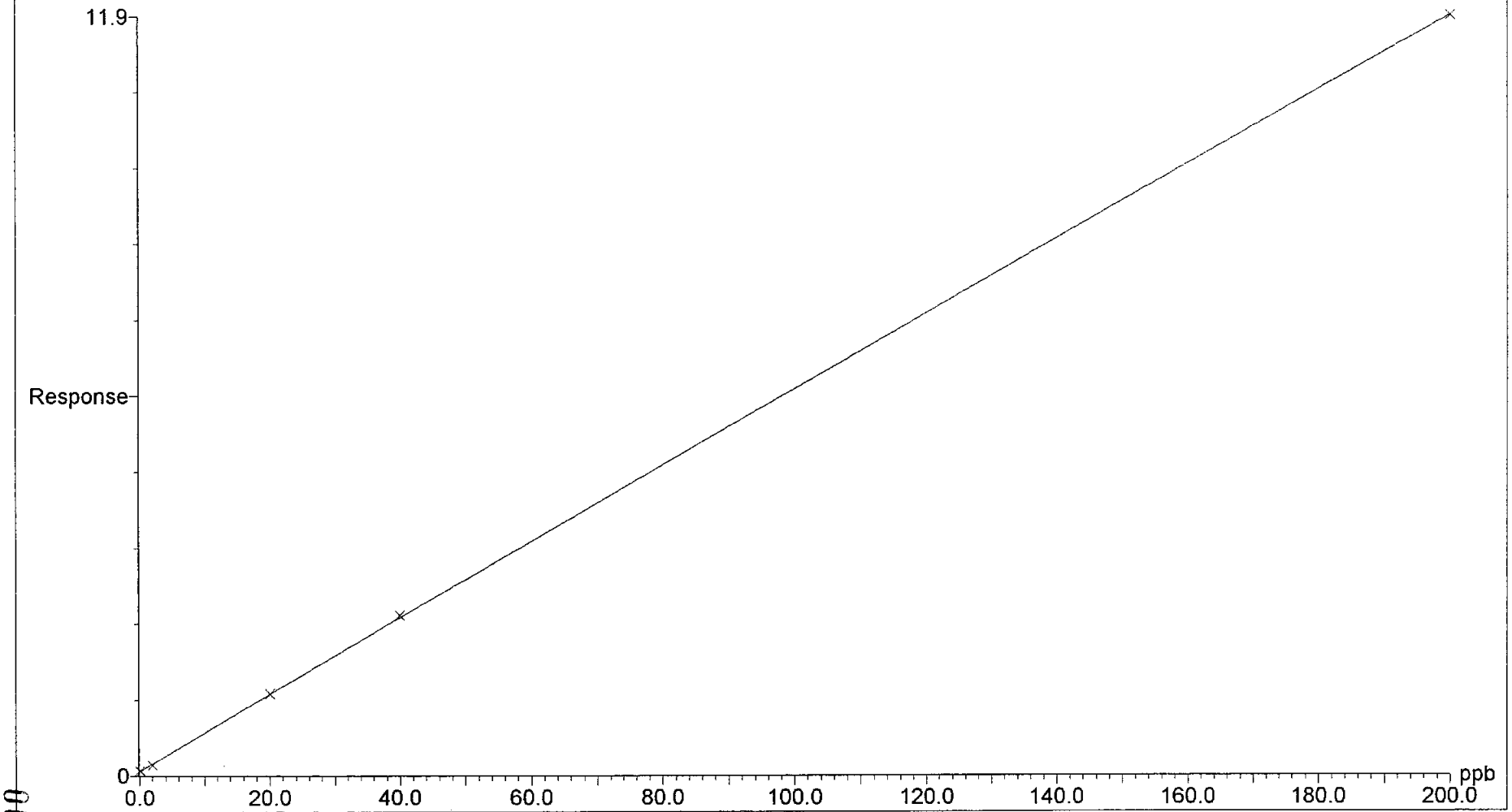
Printed: Wed May 26 15:50:59 2004

Compound 9: 0Lead

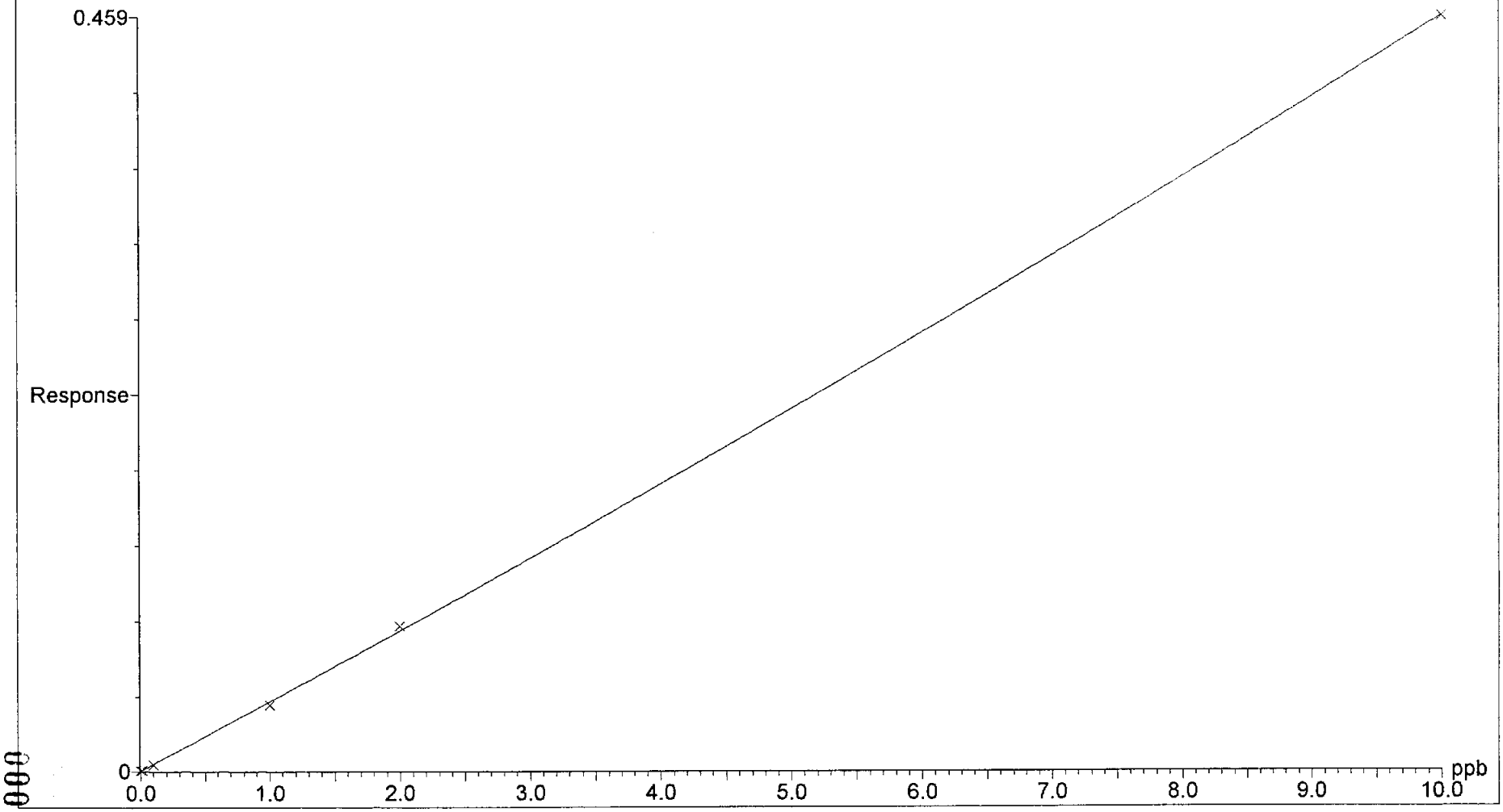
#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	26MAY04A 55	0405126-1 100X	0.043822	5077	520317	0.000	26-May-04	14:31:51	10
56	26MAY04A 56	CCV	10.126	1215974	541901	0.000	26-May-04	14:35:15	10
57	26MAY04A 57	CCB	0.020351	2382	522746	0.000	26-May-04	14:38:38	10
58	26MAY04A 58	0405126-2 100X	0.021205	2387	502986	0.000	26-May-04	14:42:01	10
59	26MAY04A 59	IP040521-1MB 10X	0.013720	1605	519866	0.000	26-May-04	14:45:24	10
60	26MAY04A 60	IM040521-1LCS 10X	10.023	1160318	522435	0.000	26-May-04	14:48:48	10
61	26MAY04A 61	0405095-1 10X	0.033759	3941	523533	0.000	26-May-04	14:52:11	10
62	26MAY04A 62	0405095-1D 10X	0.029444	3433	522374	0.000	26-May-04	14:55:34	10
63	26MAY04A 63	0405095-1L 50X	0.018169	2086	512099	0.000	26-May-04	14:59:00	10
64	26MAY04A 64	0405095-1MS 10X	10.052	1195684	536819	0.000	26-May-04	15:02:24	10
65	26MAY04A 65	0405095-1MSD 10X	10.062	1194459	535731	0.000	26-May-04	15:05:49	10
66	26MAY04A 66	0405095-4 10X	0.050357	6045	539430	0.000	26-May-04	15:09:13	10
67	26MAY04A 67	0405095-6 10X	0.032214	3808	529978	0.000	26-May-04	15:12:35	10
68	26MAY04A 68	CCV	10.078	1158706	518858	0.000	26-May-04	15:15:57	10
69	26MAY04A 69	CCB	0.018825	2159	511760	0.000	26-May-04	15:19:20	10
70	26MAY04A 70	RINSE	0.042066	4620	493107	0.000	26-May-04	15:38:43	10

Quantify Calibration Report
26MAY04A

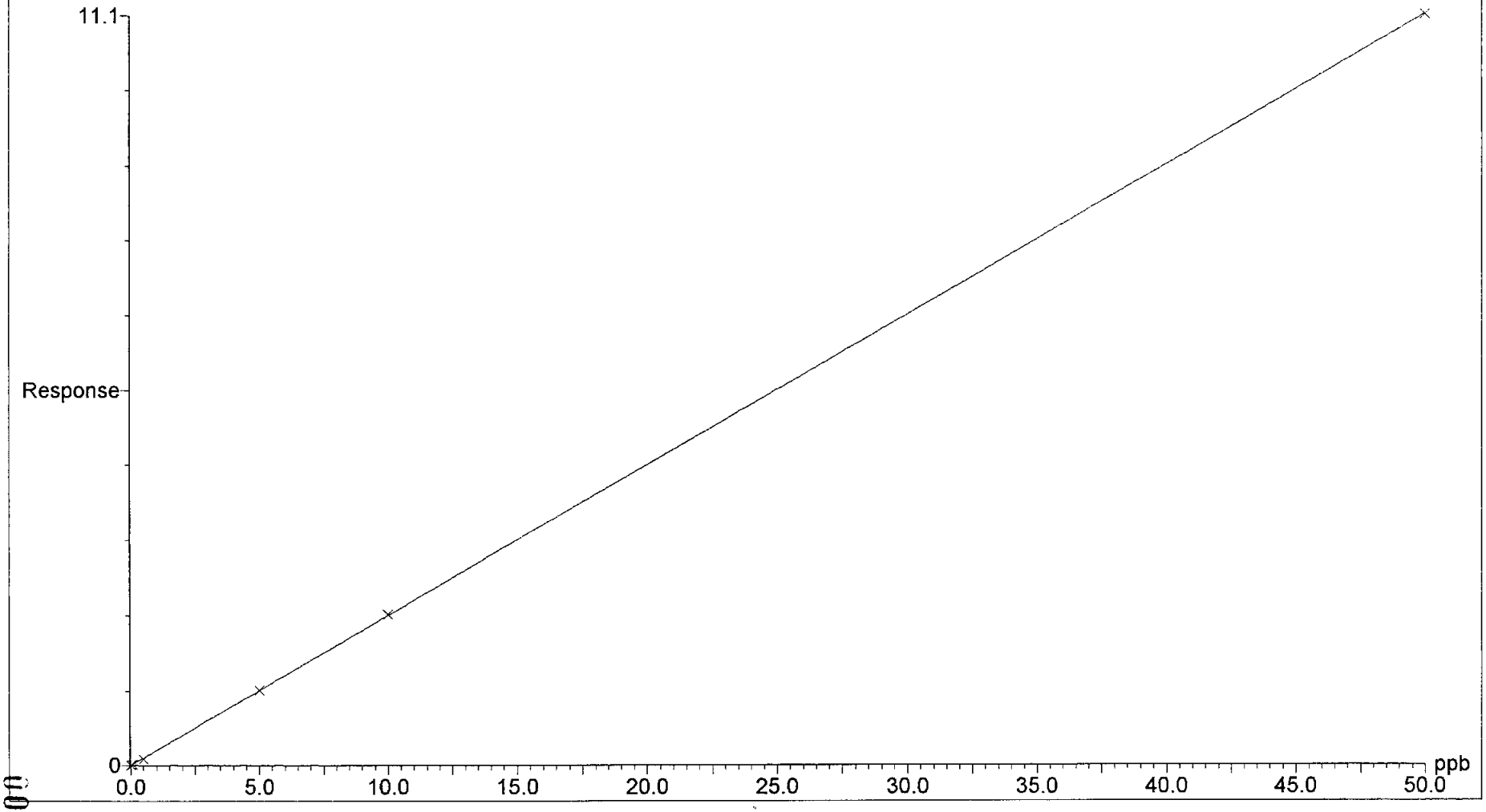
Compound 1 name: 27Al
Coefficient of Determination: 0.999980
Calibration curve: -5.77890e-6 * x^2 + 0.0604727 * x + 0.0735943
Response type: Internal Std (Ref 12), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Compound 2 name: 98Mo
Coefficient of Determination: 0.999915
Calibration curve: 0.000392127 * x^2 + 0.0418900 * x + 0.000425133
Response type: Internal Std (Ref 5), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Compound 9 name: 0Lead
Coefficient of Determination: 0.999992
Calibration curve: 2.57806e-6 * x^2 + 0.221562 * x + 4.83591e-5
Response type: Internal Std (Ref 10), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



HEADER INFROMATION FOR ANALYTICAL SEQUENCE MS040527A REM

STANDARD SOLUTIONS

ST040301-15 = 10PPM - Cd; 4PPM - As, Se; 2PPM - Ag, Sb, U; 0.1PPM - Tl.
EXPIRES: 06/01/04.

Reviewed SW 6/1/04

CALIBRATION STANDARDS

HIGH STD (50ppb - Cd; 20ppb - As, Se; 10ppb - Ag, Sb, U; 0.5ppb - Tl.) Made daily by diluting (ST040301-15) 200 fold, (0.05ml up to a 10 ml final volume).
MID LEVEL STD (10ppb - Cd; 4ppb - As, Se; 2ppb - Ag, Sb, U; 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 ST040301-15).
LOW LEVEL STD (5ppb - Cd; 2ppb - As, Se; 1ppb - Ag, Sb, U; 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 ST040301-15).
RL STD - Made daily by diluting (RL Intermediate ST040301-13--EXPIRES 06/01/04) 200 fold, (0.05ml up to a 10ml final volume). When ST040301-13 is diluted 200 fold it yields a solution at the reporting limit. (0.2ppb - As; 0.1ppb - Se; 0.03ppb - Cd, Sb; 0.02ppb – Tl; 0.01 – 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 ST040301-15.) 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	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 (ST040301-17--EXPIRES: 07/31/04) 200 fold, (0.05ml up to a 10ml final volume). The ICV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Cd	12.5
As,Se	5
Ag,Sb,U	2.5
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 ST040301-15). The CCV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Cd	10
As,Se	4
Ag,Sb,U	2
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)
As	0.2
Se	0.1
Cd,Sb	0.03
Tl	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 (ST040301-9--EXPIRES: 06/01/04) contains 500 ppb each of Bi, Rh, In, Ga, Pt, and 2,000ppb of Be. 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 5 ppb.

ACID LOT NUMBERS

HNO_3 – Y42044
HCl – Y25027

PIPET ID NUMBERS

1.0 to 5.0ml -- M-55
0.1 to 1.0ml -- AB-001
0.01 to 0.1ml -- M-57

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
None in this sequence.

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 ST040114-11) 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)
Cd,Tl	0.005
As	0.06
Se	0.02
U	0.002
Sb	0.02
Ag	0.004

Tuning Method Report

Method: C:\MASSLYNX\AUG2002.PRO\ACQUDB\14AUGJTF TUNE

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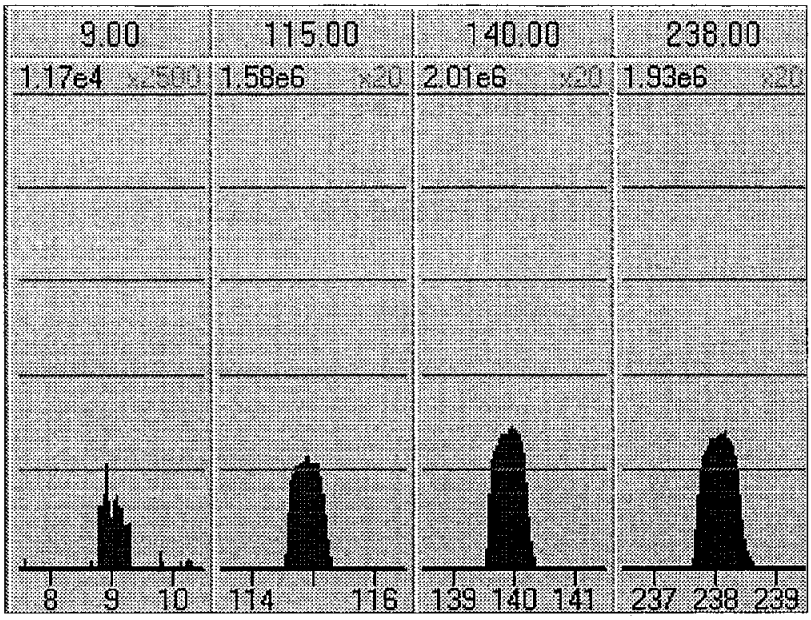

ANALYSER	Set	Rdbk
Cone Lens	50	-66
Hex Exit Lens	400	419
Hex Bias	0.2	
LM Resolution	12.5	
High Resolution	12.5	
Ion Energy	2.0	
Multiplier	500	-517

Pressures	Rdbk
Analyser Vacuum	2.6e-5

TORCH	Set	
X-Axis	2.27	2.25
Y-Axis	-0.55	-0.56
Z-Axis	-0.38	-0.39
Forward Power	1350	1339

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	0.26

Quantify Compound Summary Report
27MAY04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 27MAY04A
Last modified: Thu May 27 09:10:08 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Thu May 27 09:48:10 2004

Compound 1: 9Be

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	27MAY04 01			7634		0.214	27-May-(
2	27MAY04 02			7659		0.197	27-May-(
3	27MAY04 03			7425		0.203	27-May-(
4	27MAY04 04			7281		0.231	27-May-(
5	27MAY04 05			7401		0.260	27-May-(
6	27MAY04 06			7450		0.211	27-May-(
7	27MAY04 07			7357		0.229	27-May-(
8	27MAY04 08			7228		0.245	27-May-(
9	27MAY04 09			7303		0.239	27-May-(
10	27MAY04 10			7287		0.229	27-May-(
11	27MAY04 11			7363		0.191	27-May-(
12	27MAY04 12			7302		0.242	27-May-(
13	27MAY04 13			7321		0.212	27-May-(
14	27MAY04 14			7221		0.216	27-May-(
15	27MAY04 15			7301		0.243	27-May-(
16	27MAY04 16			7207		0.244	27-May-(
17	27MAY04 17			7271		0.198	27-May-(
18	27MAY04 18			7275		0.223	27-May-(
19	27MAY04 19			7183		0.226	27-May-(
20	27MAY04 20			7268		0.223	27-May-(
21	27MAY04 21			7199		0.201	27-May-(
22	27MAY04 22			7303		0.205	27-May-(
23	27MAY04 23			7127		0.225	27-May-(
24	27MAY04 24			7196		0.209	27-May-(
25	27MAY04 25			7304		0.236	27-May-(
26	27MAY04 26			7308		0.187	27-May-(
27	27MAY04 27			7179		0.194	27-May-(
28	27MAY04 28			7411		0.211	27-May-(
29	27MAY04 29			7406		0.235	27-May-(
30	27MAY04 30			7326		0.195	27-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 27MAY04A
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Compound 2: 24Mg

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	27MAY04 01			98161		0.037	27-May-(
2	27MAY04 02			97093		0.032	27-May-(
3	27MAY04 03			96271		0.036	27-May-(
4	27MAY04 04			96372		0.040	27-May-(
5	27MAY04 05			96872		0.032	27-May-(
6	27MAY04 06			96378		0.039	27-May-(
7	27MAY04 07			96505		0.041	27-May-(
8	27MAY04 08			96376		0.042	27-May-(
9	27MAY04 09			96841		0.035	27-May-(
10	27MAY04 10			96893		0.038	27-May-(
11	27MAY04 11			97517		0.041	27-May-(
12	27MAY04 12			97752		0.031	27-May-(
13	27MAY04 13			97472		0.039	27-May-(
14	27MAY04 14			97010		0.037	27-May-(
15	27MAY04 15			97230		0.037	27-May-(
16	27MAY04 16			96774		0.036	27-May-(
17	27MAY04 17			96828		0.040	27-May-(
18	27MAY04 18			95951		0.039	27-May-(
19	27MAY04 19			96072		0.038	27-May-(
20	27MAY04 20			95473		0.039	27-May-(
21	27MAY04 21			95325		0.042	27-May-(
22	27MAY04 22			94702		0.041	27-May-(
23	27MAY04 23			94983		0.040	27-May-(
24	27MAY04 24			94898		0.035	27-May-(
25	27MAY04 25			94619		0.040	27-May-(
26	27MAY04 26			95176		0.037	27-May-(
27	27MAY04 27			95046		0.037	27-May-(
28	27MAY04 28			96158		0.041	27-May-(
29	27MAY04 29			95935		0.038	27-May-(
30	27MAY04 30			96549		0.036	27-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 27MAY04A
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Compound 3: 59Co

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	27MAY04 01			582972		0.013	27-May-(
2	27MAY04 02			576964		0.012	27-May-(
3	27MAY04 03			572537		0.012	27-May-(
4	27MAY04 04			566483		0.013	27-May-(
5	27MAY04 05			567040		0.011	27-May-(
6	27MAY04 06			565700		0.013	27-May-(
7	27MAY04 07			560761		0.014	27-May-(
8	27MAY04 08			562718		0.013	27-May-(
9	27MAY04 09			559571		0.016	27-May-(
10	27MAY04 10			560068		0.015	27-May-(
11	27MAY04 11			563049		0.014	27-May-(
12	27MAY04 12			560324		0.012	27-May-(
13	27MAY04 13			559932		0.015	27-May-(
14	27MAY04 14			560369		0.014	27-May-(
15	27MAY04 15			556996		0.014	27-May-(
16	27MAY04 16			553984		0.015	27-May-(
17	27MAY04 17			553562		0.014	27-May-(
18	27MAY04 18			549768		0.014	27-May-(
19	27MAY04 19			549150		0.014	27-May-(
20	27MAY04 20			543624		0.014	27-May-(
21	27MAY04 21			542916		0.016	27-May-(
22	27MAY04 22			540130		0.013	27-May-(
23	27MAY04 23			536847		0.013	27-May-(
24	27MAY04 24			540311		0.012	27-May-(
25	27MAY04 25			537457		0.015	27-May-(
26	27MAY04 26			539196		0.014	27-May-(
27	27MAY04 27			535157		0.015	27-May-(
28	27MAY04 28			536011		0.016	27-May-(
29	27MAY04 29			538443		0.015	27-May-(
30	27MAY04 30			540050		0.014	27-May-(

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Compound 4: 60Ni

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	27MAY04 01			113167		0.032	27-May-(
2	27MAY04 02			111539		0.031	27-May-(
3	27MAY04 03			110315		0.030	27-May-(
4	27MAY04 04			108752		0.038	27-May-(
5	27MAY04 05			109446		0.031	27-May-(
6	27MAY04 06			108483		0.034	27-May-(
7	27MAY04 07			107814		0.042	27-May-(
8	27MAY04 08			107921		0.032	27-May-(
9	27MAY04 09			107474		0.030	27-May-(
10	27MAY04 10			107254		0.035	27-May-(
11	27MAY04 11			107673		0.034	27-May-(
12	27MAY04 12			107397		0.036	27-May-(
13	27MAY04 13			106819		0.035	27-May-(
14	27MAY04 14			107129		0.037	27-May-(
15	27MAY04 15			106472		0.029	27-May-(
16	27MAY04 16			106150		0.032	27-May-(
17	27MAY04 17			105514		0.034	27-May-(
18	27MAY04 18			104766		0.035	27-May-(
19	27MAY04 19			104545		0.035	27-May-(
20	27MAY04 20			103136		0.037	27-May-(
21	27MAY04 21			103599		0.039	27-May-(
22	27MAY04 22			102379		0.033	27-May-(
23	27MAY04 23			102126		0.036	27-May-(
24	27MAY04 24			102236		0.038	27-May-(
25	27MAY04 25			101657		0.035	27-May-(
26	27MAY04 26			102108		0.036	27-May-(
27	27MAY04 27			101216		0.037	27-May-(
28	27MAY04 28			101998		0.035	27-May-(
29	27MAY04 29			101968		0.041	27-May-(
30	27MAY04 30			102039		0.042	27-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 27MAY04A
Last modified: Thu May 27 09:10:08 2004
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Compound 5: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	27MAY04 01			1471157		0.007	27-May-(
2	27MAY04 02			1462106		0.007	27-May-(
3	27MAY04 03			1446490		0.008	27-May-(
4	27MAY04 04			1430423		0.008	27-May-(
5	27MAY04 05			1430905		0.007	27-May-(
6	27MAY04 06			1421177		0.007	27-May-(
7	27MAY04 07			1412397		0.008	27-May-(
8	27MAY04 08			1415529		0.006	27-May-(
9	27MAY04 09			1411614		0.007	27-May-(
10	27MAY04 10			1410033		0.008	27-May-(
11	27MAY04 11			1415981		0.008	27-May-(
12	27MAY04 12			1412744		0.008	27-May-(
13	27MAY04 13			1408889		0.008	27-May-(
14	27MAY04 14			1403543		0.009	27-May-(
15	27MAY04 15			1397429		0.007	27-May-(
16	27MAY04 16			1390201		0.007	27-May-(
17	27MAY04 17			1385382		0.009	27-May-(
18	27MAY04 18			1377777		0.008	27-May-(
19	27MAY04 19			1373169		0.008	27-May-(
20	27MAY04 20			1363321		0.008	27-May-(
21	27MAY04 21			1356107		0.008	27-May-(
22	27MAY04 22			1351394		0.008	27-May-(
23	27MAY04 23			1342901		0.007	27-May-(
24	27MAY04 24			1347991		0.007	27-May-(
25	27MAY04 25			1342344		0.008	27-May-(
26	27MAY04 26			1350460		0.007	27-May-(
27	27MAY04 27			1343834		0.007	27-May-(
28	27MAY04 28			1350566		0.008	27-May-(
29	27MAY04 29			1351725		0.009	27-May-(
30	27MAY04 30			1351461		0.008	27-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 27MAY04A
Last modified: Thu May 27 09:10:08 2004
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Compound 6: 140Ce

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	27MAY04 01			1920392		0.006	27-May-(
2	27MAY04 02			1905634		0.007	27-May-(
3	27MAY04 03			1886810		0.006	27-May-(
4	27MAY04 04			1869794		0.006	27-May-(
5	27MAY04 05			1874281		0.006	27-May-(
6	27MAY04 06			1868981		0.006	27-May-(
7	27MAY04 07			1862536		0.005	27-May-(
8	27MAY04 08			1863861		0.006	27-May-(
9	27MAY04 09			1859539		0.005	27-May-(
10	27MAY04 10			1868845		0.006	27-May-(
11	27MAY04 11			1872505		0.006	27-May-(
12	27MAY04 12			1876254		0.006	27-May-(
13	27MAY04 13			1874086		0.006	27-May-(
14	27MAY04 14			1866541		0.007	27-May-(
15	27MAY04 15			1857521		0.006	27-May-(
16	27MAY04 16			1848154		0.007	27-May-(
17	27MAY04 17			1837960		0.007	27-May-(
18	27MAY04 18			1822991		0.007	27-May-(
19	27MAY04 19			1819302		0.007	27-May-(
20	27MAY04 20			1811080		0.006	27-May-(
21	27MAY04 21			1796789		0.007	27-May-(
22	27MAY04 22			1794018		0.007	27-May-(
23	27MAY04 23			1784712		0.006	27-May-(
24	27MAY04 24			1789274		0.007	27-May-(
25	27MAY04 25			1788943		0.006	27-May-(
26	27MAY04 26			1797602		0.005	27-May-(
27	27MAY04 27			1799017		0.006	27-May-(
28	27MAY04 28			1803836		0.007	27-May-(
29	27MAY04 29			1810447		0.006	27-May-(
30	27MAY04 30			1814808		0.007	27-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 27MAY04A
Last modified: Thu May 27 09:10:08 2004
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Compound 7: 140CeO

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	27MAY04 01			91988		0.075	27-May-(
2	27MAY04 02			93871		0.077	27-May-(
3	27MAY04 03			93489		0.067	27-May-(
4	27MAY04 04			92942		0.069	27-May-(
5	27MAY04 05			92346		0.084	27-May-(
6	27MAY04 06			90940		0.079	27-May-(
7	27MAY04 07			89786		0.068	27-May-(
8	27MAY04 08			88169		0.058	27-May-(
9	27MAY04 09			85216		0.063	27-May-(
10	27MAY04 10			84589		0.070	27-May-(
11	27MAY04 11			82419		0.072	27-May-(
12	27MAY04 12			82830		0.068	27-May-(
13	27MAY04 13			81207		0.060	27-May-(
14	27MAY04 14			82819		0.059	27-May-(
15	27MAY04 15			84898		0.066	27-May-(
16	27MAY04 16			86843		0.061	27-May-(
17	27MAY04 17			88345		0.057	27-May-(
18	27MAY04 18			87357		0.079	27-May-(
19	27MAY04 19			89996		0.067	27-May-(
20	27MAY04 20			90891		0.062	27-May-(
21	27MAY04 21			91659		0.061	27-May-(
22	27MAY04 22			90707		0.068	27-May-(
23	27MAY04 23			93180		0.059	27-May-(
24	27MAY04 24			91208		0.070	27-May-(
25	27MAY04 25			90212		0.084	27-May-(
26	27MAY04 26			89348		0.063	27-May-(
27	27MAY04 27			85358		0.073	27-May-(
28	27MAY04 28			84787		0.074	27-May-(
29	27MAY04 29			82888		0.060	27-May-(
30	27MAY04 30			81697		0.065	27-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 27MAY04A
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Compound 11: Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	27MAY04 01			1388367		0.000	27-May-(
2	27MAY04 02			1387645		0.000	27-May-(
3	27MAY04 03			1383121		0.000	27-May-(
4	27MAY04 04			1377119		0.000	27-May-(
5	27MAY04 05			1382246		0.000	27-May-(
6	27MAY04 06			1380455		0.000	27-May-(
7	27MAY04 07			1377928		0.000	27-May-(
8	27MAY04 08			1384037		0.000	27-May-(
9	27MAY04 09			1387000		0.000	27-May-(
10	27MAY04 10			1393488		0.000	27-May-(
11	27MAY04 11			1397649		0.000	27-May-(
12	27MAY04 12			1406271		0.000	27-May-(
13	27MAY04 13			1408718		0.000	27-May-(
14	27MAY04 14			1400051		0.000	27-May-(
15	27MAY04 15			1396808		0.000	27-May-(
16	27MAY04 16			1391556		0.000	27-May-(
17	27MAY04 17			1385095		0.000	27-May-(
18	27MAY04 18			1375382		0.000	27-May-(
19	27MAY04 19			1375450		0.000	27-May-(
20	27MAY04 20			1367879		0.000	27-May-(
21	27MAY04 21			1360541		0.000	27-May-(
22	27MAY04 22			1362896		0.000	27-May-(
23	27MAY04 23			1361747		0.000	27-May-(
24	27MAY04 24			1363457		0.000	27-May-(
25	27MAY04 25			1365978		0.000	27-May-(
26	27MAY04 26			1365474		0.000	27-May-(
27	27MAY04 27			1371303		0.000	27-May-(
28	27MAY04 28			1375855		0.000	27-May-(
29	27MAY04 29			1384931		0.000	27-May-(
30	27MAY04 30			1385306		0.000	27-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 27MAY04A
Last modified: Thu May 27 09:10:08 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Thu May 27 09:48:10 2004

Compound 12: 209Bi

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	27MAY04 01			1196890		0.009	27-May-(
2	27MAY04 02			1198050		0.009	27-May-(
3	27MAY04 03			1195701		0.009	27-May-(
4	27MAY04 04			1192418		0.009	27-May-(
5	27MAY04 05			1193337		0.008	27-May-(
6	27MAY04 06			1195490		0.007	27-May-(
7	27MAY04 07			1189557		0.009	27-May-(
8	27MAY04 08			1197011		0.007	27-May-(
9	27MAY04 09			1198381		0.008	27-May-(
10	27MAY04 10			1203712		0.007	27-May-(
11	27MAY04 11			1208410		0.008	27-May-(
12	27MAY04 12			1214630		0.008	27-May-(
13	27MAY04 13			1214419		0.008	27-May-(
14	27MAY04 14			1208079		0.010	27-May-(
15	27MAY04 15			1206167		0.009	27-May-(
16	27MAY04 16			1201137		0.009	27-May-(
17	27MAY04 17			1194556		0.009	27-May-(
18	27MAY04 18			1188111		0.009	27-May-(
19	27MAY04 19			1188141		0.009	27-May-(
20	27MAY04 20			1180190		0.009	27-May-(
21	27MAY04 21			1176425		0.009	27-May-(
22	27MAY04 22			1180386		0.009	27-May-(
23	27MAY04 23			1173414		0.007	27-May-(
24	27MAY04 24			1175582		0.008	27-May-(
25	27MAY04 25			1177510		0.009	27-May-(
26	27MAY04 26			1175733		0.008	27-May-(
27	27MAY04 27			1183232		0.007	27-May-(
28	27MAY04 28			1182735		0.008	27-May-(
29	27MAY04 29			1194451		0.009	27-May-(
30	27MAY04 30			1196044		0.009	27-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 27MAY04A
Last modified: Thu May 27 09:10:08 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Thu May 27 09:48:10 2004

Compound 13: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	27MAY04 01			1906221		0.008	27-May-(
2	27MAY04 02			1912441		0.008	27-May-(
3	27MAY04 03			1901884		0.007	27-May-(
4	27MAY04 04			1895439		0.007	27-May-(
5	27MAY04 05			1901327		0.005	27-May-(
6	27MAY04 06			1906839		0.007	27-May-(
7	27MAY04 07			1893256		0.007	27-May-(
8	27MAY04 08			1905694		0.007	27-May-(
9	27MAY04 09			1917636		0.006	27-May-(
10	27MAY04 10			1916732		0.007	27-May-(
11	27MAY04 11			1932213		0.007	27-May-(
12	27MAY04 12			1932665		0.007	27-May-(
13	27MAY04 13			1934592		0.008	27-May-(
14	27MAY04 14			1922138		0.008	27-May-(
15	27MAY04 15			1925060		0.007	27-May-(
16	27MAY04 16			1910227		0.007	27-May-(
17	27MAY04 17			1903767		0.008	27-May-(
18	27MAY04 18			1893481		0.008	27-May-(
19	27MAY04 19			1890891		0.007	27-May-(
20	27MAY04 20			1884687		0.008	27-May-(
21	27MAY04 21			1882308		0.007	27-May-(
22	27MAY04 22			1875019		0.008	27-May-(
23	27MAY04 23			1879582		0.006	27-May-(
24	27MAY04 24			1871255		0.007	27-May-(
25	27MAY04 25			1872971		0.007	27-May-(
26	27MAY04 26			1886434		0.007	27-May-(
27	27MAY04 27			1882489		0.007	27-May-(
28	27MAY04 28			1891268		0.008	27-May-(
29	27MAY04 29			1905724		0.006	27-May-(
30	27MAY04 30			1905420		0.007	27-May-(

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 27MAY04A
Last modified: Thu May 27 09:10:08 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Thu May 27 09:48:10 2004

Compound 14: 220BKGD

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	27MAY04 01						
2	27MAY04 02			1		138.032	27-May-(
3	27MAY04 03			1		169.070	27-May-(
4	27MAY04 04			1		165.244	27-May-(
5	27MAY04 05			1		126.805	27-May-(
6	27MAY04 06			1		145.629	27-May-(
7	27MAY04 07			1		108.493	27-May-(
8	27MAY04 08			1		169.317	27-May-(
9	27MAY04 09			2		77.343	27-May-(
10	27MAY04 10			1		153.712	27-May-(
11	27MAY04 11			1		160.533	27-May-(
12	27MAY04 12			1		145.872	27-May-(
13	27MAY04 13			1		127.000	27-May-(
14	27MAY04 14			2		85.746	27-May-(
15	27MAY04 15			1		138.092	27-May-(
16	27MAY04 16						
17	27MAY04 17			1		127.163	27-May-(
18	27MAY04 18			1		145.723	27-May-(
19	27MAY04 19			1		150.881	27-May-(
20	27MAY04 20						
21	27MAY04 21			1		137.941	27-May-(
22	27MAY04 22			1		127.015	27-May-(
23	27MAY04 23						
24	27MAY04 24			1		150.898	27-May-(
25	27MAY04 25			1		108.340	27-May-(
26	27MAY04 26			1		168.897	27-May-(
27	27MAY04 27			1		160.448	27-May-(
28	27MAY04 28			1		165.253	27-May-(
29	27MAY04 29			1		126.829	27-May-(
30	27MAY04 30						

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 3: 75As

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	27MAY04A 01	RINSE	0.013820	85	1144302	4.764	27-May-04	10:20:14	2
2	27MAY04A 02	RINSE	0.013721	84	1138176	5.022	27-May-04	10:22:49	2
3	27MAY04A 03	RINSE	0.012832	79	1136055	5.208	27-May-04	10:26:21	2
4	27MAY04A 04	RINSE	0.013369	81	1123218	5.843	27-May-04	10:29:54	2
5	27MAY04A 05	0 STD	0.014610	87	1114386	4.925	27-May-04	10:33:26	2
6	27MAY04A 06	RL STD	0.18798	1006	1103744	1.093	27-May-04	10:36:58	2
7	27MAY04A 07	LOW STD	1.9309	10457	1103159	0.191	27-May-04	10:40:32	2
8	27MAY04A 08	MID STD	4.0879	23107	1123822	0.087	27-May-04	10:44:05	2
9	27MAY04A 09	HIGH STD	19.992	131667	1110217	0.031	27-May-04	10:47:38	2
10	27MAY04A 10	HIGH STD READBACK	20.054	130434	1095790	0.037	27-May-04	10:51:12	2
11	27MAY04A 11	ICV	5.4729	29596	1058688	0.091	27-May-04	10:54:47	2
12	27MAY04A 12	ICB	0.019724	108	1052599	5.291	27-May-04	11:03:21	2
13	27MAY04A 13	CRI	0.17304	924	1100636	1.356	27-May-04	11:08:56	2
14	27MAY04A 14	ICSA_AS_SE	0.023414	152	1263470	3.452	27-May-04	11:12:30	2
15	27MAY04A 15	ICSAB_AS_SE	4.0062	27493	1365669	0.090	27-May-04	11:16:04	2
16	27MAY04A 16	ICSA	7.2601	49913	1319772	0.055	27-May-04	11:19:39	2
17	27MAY04A 17	ICSAB	11.264	83258	1359580	0.042	27-May-04	11:23:15	2
18	27MAY04A 18	CCV	4.2047	26625	1257326	0.095	27-May-04	11:26:51	2
19	27MAY04A 19	CCB	0.023150	150	1260087	6.156	27-May-04	11:30:26	2
20	27MAY04A 20	0405170-1 100X DNU	0.82451	5058	1264348	0.331	27-May-04	11:33:59	2
21	27MAY04A 21	0405170-1D 100X	0.85727	5344	1284389	0.239	27-May-04	11:37:32	2
22	27MAY04A 22	0405170-1 10X	10.169	71597	1310062	0.048	27-May-04	11:41:05	2
23	27MAY04A 23	0405170-1D 10X	10.227	72736	1322624	0.041	27-May-04	11:44:39	2
24	27MAY04A 24	0405170-1 10X_CEC *	9.6609	69003	1336210	0.050	27-May-04	11:48:13	2
25	27MAY04A 25	0405170-1D 10X_CEC DNU	9.9178	71475	1344549	0.039	27-May-04	11:51:48	2
26	27MAY04A 26	IP040521-3MB 10X	0.026249	168	1254601	7.461	27-May-04	11:55:23	2
27	27MAY04A 27	IM040521-3LCS 10X	4.4841	30740	1356928	0.087	27-May-04	11:58:58	2

DNU = do not use

* = use

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 3: 75As

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	27MAY04A 28	0404190-1 1000X DNU	0.75674	5074	1382784	0.287	27-May-04	12:02:33	2
29	27MAY04A 29	0404190-1D 1000X ↓	0.64486	4180	1338039	0.339	27-May-04	12:06:09	2
30	27MAY04A 30	CCV	3.9893	25845	1289490	0.096	27-May-04	12:09:45	2
31	27MAY04A 31	CCB	0.019663	133	1300005	4.911	27-May-04	12:13:20	2
32	27MAY04A 32	0404190-1 100X DNU	8.4238	56447	1270272	0.057	27-May-04	12:16:53	2
33	27MAY04A 33	0404190-1D 100X ↓	8.1558	54275	1265170	0.055	27-May-04	12:20:27	2
34	27MAY04A 34	IP040521-3MB 10X_CEC	0.015085	93	1157504	6.807	27-May-04	12:24:00	2
35	27MAY04A 35	IM040521-3LCS 10X_..	3.9377	24225	1225216	0.107	27-May-04	12:27:35	2
36	27MAY04A 36	0404190-1 100X_CEC *	7.5067	51088	1302985	0.059	27-May-04	12:31:08	2
37	27MAY04A 37	0404190-1D 100X_CEC DNU	7.5739	52486	1325788	0.073	27-May-04	12:34:42	2
38	27MAY04A 38	** IP040518-1MB 10X * DNU	0.018063	113	1194076	5.135	27-May-04	12:38:17	2
39	27MAY04A 39	IM040518-1LCS 10X	0.31519	1855	1216329	0.649	27-May-04	12:43:52	2
40	27MAY04A 40	0405058-1 10X	7.5379	51437	1306002	0.057	27-May-04	12:47:28	2
41	27MAY04A 41	0405058-1D 10X	7.6919	54995	1366108	0.053	27-May-04	12:51:04	2
42	27MAY04A 42	CCV	3.9413	24912	1258734	0.087	27-May-04	12:54:40	2
43	27MAY04A 43	CCB	0.030160	180	1178972	4.894	27-May-04	12:58:15	2
44	27MAY04A 44	** 0405058-1L 50X	1.6109	9811	1245001	0.142	27-May-04	13:01:47	2
45	27MAY04A 45	0405058-1MS 10X	8.3043	56577	1293184	0.051	27-May-04	13:05:22	2
46	27MAY04A 46	0405058-1MSD 10X	8.2885	57965	1327653	0.050	27-May-04	13:08:59	2
47	27MAY04A 47	0405058-2 10X	1.7623	10967	1269961	0.196	27-May-04	13:12:34	2
48	27MAY04A 48	0405058-3 10X	1.7032	10089	1209637	0.172	27-May-04	13:16:08	2
49	27MAY04A 49	IP040518-1MB 10X_CEC	0.027249	163	1175150	3.462	27-May-04	13:19:42	2
50	27MAY04A 50	IM040518-1LCS 10X_..	0.31131	1751	1162405	0.633	27-May-04	13:23:16	2
51	27MAY04A 51	0405058-1 10X_CEC	0.047883	288	1211392	2.219	27-May-04	13:26:50	2
52	27MAY04A 52	0405058-1D 10X_CEC	0.041781	262	1256905	2.332	27-May-04	13:30:25	2
53	27MAY04A 53	0405058-1L 50X_CEC	0.019951	130	1253742	3.665	27-May-04	13:34:01	2
54	27MAY04A 54	CCV	3.7945	21587	1134812	0.098	27-May-04	13:37:36	2

DNU = do not use
* = use
** = Se, U only

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 3: 75As

No As

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	27MAY04A 55	CCB	0.020271	115	1092882	4.543	27-May-04	13:41:11	2
56	27MAY04A 56	0405058-1MS 10X_CEC	0.34974	2042	1206802	0.607	27-May-04	13:44:45	2
57	27MAY04A 57	0405058-1MSD 10X_CEC	0.34687	2101	1251932	0.535	27-May-04	13:48:21	2
58	27MAY04A 58	0405058-2 10X_CEC	0.075261	443	1199817	1.626	27-May-04	13:51:57	2
59	27MAY04A 59	0405058-3 10X_CEC	0.063273	368	1180837	1.258	27-May-04	13:55:34	2
60	27MAY04A 60	CCV	3.7298	20769	1111570	0.116	27-May-04	13:59:12	2
61	27MAY04A 61	CCB	0.018744	106	1082752	4.948	27-May-04	14:02:47	2
62	27MAY04A 62	IP040521-3MB 10X	0.013890	74	991762	5.258	27-May-04	14:22:26	2
63	27MAY04A 63	IP040518-1MB_CEC	0.31420	1667	1096466	0.672	27-May-04	14:25:57	2
64	27MAY04A 64	IM040518-1LCS_CEC	4.0214	21682	1072750	0.087	27-May-04	14:29:29	2
65	27MAY04A 65	0405058-2_CEC	1.3044	7029	1105189	0.211	27-May-04	14:33:03	2
66	27MAY04A 66	0405058-3_CEC	1.1192	6202	1138725	0.230	27-May-04	14:36:36	2
67	27MAY04A 67	0404190-1 10X	59.684	553728	1133056	0.015	27-May-04	14:40:10	2
68	27MAY04A 68	CCV	3.6719	18558	1009536	0.141	27-May-04	14:43:43	2
69	27MAY04A 69	CCB	0.044807	219	982162	8.033	27-May-04	14:47:18	2
70	27MAY04A 70	0405170-1 100X *	0.75843	3600	978889	0.415	27-May-04	14:50:53	2
71	27MAY04A 71	0405170-1D 100X	0.73805	3575	999113	0.407	27-May-04	14:54:27	2
72	27MAY04A 72	0405170-1 10X	9.7120	53129	1022848	0.059	27-May-04	14:58:01	2
73	27MAY04A 73	0405170-1D 10X	9.8748	55211	1043602	0.053	27-May-04	15:01:35	2
74	27MAY04A 74	0405170-1 10X_CEC	9.2761	53391	1081198	0.061	27-May-04	15:05:11	2
75	27MAY04A 75	0405170-1D 10X_CEC	9.3828	54545	1090761	0.043	27-May-04	15:08:46	2
76	27MAY04A 76	0404190-1 1000X	0.66963	3420	1054044	0.399	27-May-04	15:12:22	2
77	27MAY04A 77	0404190-1 100X	8.1306	44975	1051922	0.060	27-May-04	15:15:57	2
78	27MAY04A 78	0404190-1D 100X	7.9461	42273	1013705	0.063	27-May-04	15:19:30	2
79	27MAY04A 79	0404190-1 100X_CEC	7.5781	41122	1038117	0.072	27-May-04	15:23:03	2
80	27MAY04A 80	CCV	3.8293	19340	1007049	0.110	27-May-04	15:26:37	2
81	27MAY04A 81	CCB	0.017633	92	993865	8.270	27-May-04	15:30:10	2

*- Not needed - confirmation purposes only

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 3: 75As

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
82	27MAY04A 82	IP040527-21MB 10X	0.0095626	48	891246	7.072	27-May-04	15:44:51	2
83	27MAY04A 83	IP040527-21LCS 10X	3.9186	19480	990226	0.130	27-May-04	15:48:23	2
84	27MAY04A 84	0405126-1 50X_CEC	0.076213	426	1139657	1.469	27-May-04	15:51:56	2
85	27MAY04A 85	0405126-2 50X_CEC	0.040358	235	1165550	2.381	27-May-04	15:55:28	2
86	27MAY04A 86	CCV	3.8144	20149	1053458	0.125	27-May-04	15:59:01	2
87	27MAY04A 87	CCB	0.018331	98	1021696	6.896	27-May-04	16:02:34	2
88	27MAY04A 88	IP040521-1MB 10X	0.019128	106	1062748	3.611	27-May-04	16:06:08	2
89	27MAY04A 89	IM040521-1LCS 10X	3.8399	20486	1063662	0.104	27-May-04	16:09:41	2
90	27MAY04A 90	0405095-1 10X	0.031412	171	1077614	3.186	27-May-04	16:13:15	2
91	27MAY04A 91	0405095-1D 10X	0.025692	141	1074396	2.955	27-May-04	16:16:50	2
92	27MAY04A 92	0405095-1L 10X	0.016859	90	1012846	4.940	27-May-04	16:20:24	2
93	27MAY04A 93	0405095-1MS 10X	3.7755	20023	1058121	0.120	27-May-04	16:23:59	2
94	27MAY04A 94	0405095-1MSD 10X	3.8642	20442	1054409	0.124	27-May-04	16:27:35	2
95	27MAY04A 95	0405095-4 10X	0.038164	206	1078034	2.765	27-May-04	16:31:10	2
96	27MAY04A 96	0405095-6 10X	0.069265	366	1075145	1.494	27-May-04	16:34:46	2
97	27MAY04A 97	CCV	3.7183	18363	985966	0.098	27-May-04	16:38:21	2
98	27MAY04A 98	CCB	0.013273	68	948974	6.715	27-May-04	16:47:43	2
99	27MAY04A 99	RINSE							

NoAs

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 4: 78Se

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	27MAY04A 01	RINSE	0.014960	31	1144302	8.886	27-May-04	10:20:14	2
2	27MAY04A 02	RINSE	0.015866	32	1138176	9.761	27-May-04	10:22:49	2
3	27MAY04A 03	RINSE	0.013576	29	1136055	12.374	27-May-04	10:26:21	2
4	27MAY04A 04	RINSE	0.010684	25	1123218	11.524	27-May-04	10:29:54	2
5	27MAY04A 05	0 STD	0.010840	25	1114386	15.033	27-May-04	10:33:26	2
6	27MAY04A 06	RL STD	0.088682	122	1103744	4.218	27-May-04	10:36:58	2
7	27MAY04A 07	LOW STD	2.0071	2594	1103159	0.419	27-May-04	10:40:32	2
8	27MAY04A 08	MID STD	4.0049	5425	1123822	0.335	27-May-04	10:44:05	2
9	27MAY04A 09	HIGH STD	19.999	33175	1110217	0.072	27-May-04	10:47:38	2
10	27MAY04A 10	HIGH STD READBACK	19.983	32711	1095790	0.075	27-May-04	10:51:12	2
11	27MAY04A 11	ICV	4.9290	6375	1058688	0.234	27-May-04	10:54:47	2
12	27MAY04A 12	ICB	0.024609	40	1052599	8.002	27-May-04	11:03:21	2
13	27MAY04A 13	CRI	0.088957	122	1100636	4.728	27-May-04	11:08:56	2
14	27MAY04A 14	ICSA_AS_SE	0.019700	41	1263470	7.283	27-May-04	11:12:30	2
15	27MAY04A 15	ICSAB_AS_SE	3.9029	6415	1365669	0.244	27-May-04	11:16:04	2
16	27MAY04A 16	ICSA	0.090769	149	1319772	3.657	27-May-04	11:19:39	2
17	27MAY04A 17	ICSAB	4.1528	6820	1359580	0.240	27-May-04	11:23:15	2
18	27MAY04A 18	CCV	4.1807	6352	1257326	0.278	27-May-04	11:26:51	2
19	27MAY04A 19	CCB	0.037319	66	1260087	7.157	27-May-04	11:30:26	2
20	27MAY04A 20	0405170-1 100X DNU	0.65328	956	1264348	1.160	27-May-04	11:33:59	2
21	27MAY04A 21	0405170-1D 100X	0.64170	954	1284389	1.363	27-May-04	11:37:32	2
22	27MAY04A 22	0405170-1 10X	6.7855	11155	1310062	0.153	27-May-04	11:41:05	2
23	27MAY04A 23	0405170-1D 10X	6.7965	11282	1322624	0.144	27-May-04	11:44:39	2
24	27MAY04A 24	0405170-1 10X_CEC	5.8902	9750	1336210	0.181	27-May-04	11:48:13	2
25	27MAY04A 25	0405170-1D 10X_CEC *	6.5951	11097	1344549	0.186	27-May-04	11:51:48	2
26	27MAY04A 26	IP040521-3MB 10X ~~DNU~~	0.026247	50	1254601	8.620	27-May-04	11:55:23	2
27	27MAY04A 27	IM040521-3LCS 10X	4.5278	7462	1356928	0.211	27-May-04	11:58:58	2

RBM 5-27-04

DNU = do not use
* = use

0002234

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 4: 78Se

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	27MAY04A 28	0404190-1 1000X DNU	0.83856	1342	1382784	0.797	27-May-04	12:02:33	2
29	27MAY04A 29	0404190-1D 1000X	0.72334	1120	1338039	0.830	27-May-04	12:06:09	2
30	27MAY04A 30	CCV	3.7452	5799	1289490	0.232	27-May-04	12:09:45	2
31	27MAY04A 31	CCB	0.018213	40	1300005	8.425	27-May-04	12:13:20	2
32	27MAY04A 32	0404190-1 100X DNU	7.3749	11855	1270272	0.168	27-May-04	12:16:53	2
33	27MAY04A 33	0404190-1D 100X	7.1365	11387	1265170	0.156	27-May-04	12:20:27	2
34	27MAY04A 34	IP040521-3MB 10X_CEC	0.015451	32	1157504	10.166	27-May-04	12:24:00	2
35	27MAY04A 35	IM040521-3LCS 10X_..	3.7175	5467	1225216	0.247	27-May-04	12:27:35	2
36	27MAY04A 36	0404190-1 100X_CEC DNU	6.7773	11080	1302985	0.143	27-May-04	12:31:08	2
37	27MAY04A 37	0404190-1D 100X_CEC *	6.9752	11636	1325788	0.149	27-May-04	12:34:42	2
38	27MAY04A 38	IP040518-1MB 10X **	0.023590	44	1194076	8.541	27-May-04	12:38:17	2
39	27MAY04A 39	IM040518-1LCS 10X	0.33479	475	1216329	1.372	27-May-04	12:43:52	2
40	27MAY04A 40	0405058-1 10X	3.9494	6212	1306002	0.264	27-May-04	12:47:28	2
41	27MAY04A 41	0405058-1D 10X	4.0682	6705	1366108	0.260	27-May-04	12:51:04	2
42	27MAY04A 42	CCV	3.7115	5607	1258734	0.301	27-May-04	12:54:40	2
43	27MAY04A 43	CCB	0.023257	43	1178972	9.054	27-May-04	12:58:15	2
44	27MAY04A 44	0405058-1L 50X **	0.77809	1121	1245001	1.072	27-May-04	13:01:47	2
45	27MAY04A 45	0405058-1MS 10X	4.4456	6974	1293184	0.214	27-May-04	13:05:22	2
46	27MAY04A 46	0405058-1MSD 10X	4.4992	7252	1327653	0.216	27-May-04	13:08:59	2
47	27MAY04A 47	0405058-2 10X	0.098150	154	1269961	3.028	27-May-04	13:12:34	2
48	27MAY04A 48	0405058-3 10X	0.085979	130	1209637	3.955	27-May-04	13:16:08	2
49	27MAY04A 49	IP040518-1MB 10X_CEC (1)	0.015836	33	1175150	9.116	27-May-04	13:19:42	2
50	27MAY04A 50	IM040518-1LCS 10X_..	0.30771	418	1162405	1.530	27-May-04	13:23:16	2
51	27MAY04A 51	0405058-1 10X_CEC	3.6474	5298	1211392	0.259	27-May-04	13:26:50	2
52	27MAY04A 52	0405058-1D 10X_CEC	3.6322	5473	1256905	0.268	27-May-04	13:30:25	2
53	27MAY04A 53	0405058-1L 50X_CEC	0.67955	986	1253742	1.062	27-May-04	13:34:01	2
54	27MAY04A 54	CCV	3.7059	5047	1134812	0.300	27-May-04	13:37:36	2

(1) = do not use - reanalyzed undiluted later in sequence

DNU = do not use
* = use
** = do not use Se from here

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 4: 78Se

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	27MAY04A 55	CCB	0.016896	32	1092882	13.549	27-May-04	13:41:11	2
56	27MAY04A 56	0405058-1MS 10X_CEC	4.0007	5819	1206802	0.290	27-May-04	13:44:45	2
57	27MAY04A 57	0405058-1MSD 10X_CEC	4.1197	6227	1251932	0.200	27-May-04	13:48:21	2
58	27MAY04A 58	0405058-2 10X_CEC *	0.068361	105	1199817	4.687	27-May-04	13:51:57	2
59	27MAY04A 59	0405058-3 10X_CEC ↓	0.067360	102	1180837	4.722	27-May-04	13:55:34	2
60	27MAY04A 60	CCV	3.7942	5068	1111570	0.239	27-May-04	13:59:12	2
61	27MAY04A 61	CCB	0.020407	36	1082752	11.520	27-May-04	14:02:47	2
62	27MAY04A 62	IP040521-3MB 10X No Se	0.015078	27	991762	12.467	27-May-04	14:22:26	2
63	27MAY04A 63	IP040518-1MB_CEC	0.051481	75	1096466	6.456	27-May-04	14:25:57	2
64	27MAY04A 64	IM040518-1LCS_CEC	3.6188	4653	1072750	0.348	27-May-04	14:29:29	2
65	27MAY04A 65	0405058-2_CEC	0.52230	669	1105189	1.346	27-May-04	14:33:03	2
66	27MAY04A 66	0405058-3_CEC	0.46164	610	1138725	1.243	27-May-04	14:36:36	2
67	27MAY04A 67	0404190-1 10X U only	61.041	154939	1133056	0.026	27-May-04	14:40:10	2
68	27MAY04A 68	CCV	3.6143	4373	1009536	0.312	27-May-04	14:43:43	2
69	27MAY04A 69	CCB	0.037820	52	982162	12.497	27-May-04	14:47:18	2
70	27MAY04A 70	0405170-1 100X **	0.51293	582	978889	1.166	27-May-04	14:50:53	2
71	27MAY04A 71	0405170-1D 100X	0.47977	556	999113	1.450	27-May-04	14:54:27	2
72	27MAY04A 72	0405170-1 10X	6.5759	8415	1022848	0.166	27-May-04	14:58:01	2
73	27MAY04A 73	0405170-1D 10X	6.6697	8720	1043602	0.213	27-May-04	15:01:35	2
74	27MAY04A 74	0405170-1 10X_CEC	5.5714	7428	1081198	0.196	27-May-04	15:05:11	2
75	27MAY04A 75	0405170-1D 10X_CEC	5.7309	7726	1090761	0.213	27-May-04	15:08:46	2
76	27MAY04A 76	0404190-1 1000X	0.60144	734	1054044	1.211	27-May-04	15:12:22	2
77	27MAY04A 77	0404190-1 100X	7.0710	9372	1051922	0.191	27-May-04	15:15:57	2
78	27MAY04A 78	0404190-1D 100X	6.8245	8686	1013705	0.188	27-May-04	15:19:30	2
79	27MAY04A 79	0404190-1 100X_CEC ↓	7.1660	9386	1038117	0.184	27-May-04	15:23:03	2
80	27MAY04A 80	CCV	3.6558	4415	1007049	0.309	27-May-04	15:26:37	2
81	27MAY04A 81	CCB	0.024816	38	993865	11.388	27-May-04	15:30:10	2

* = do not use - reanalyzed undiluted later in sequence.
** - not needed - ran for confirmation purposes only

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 4: 78Se

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
82	27MAY04A 82	IP040527-21MB 10X No Se	0.012832	22	891246	10.573	27-May-04	15:44:51	2
83	27MAY04A 83	IP040527-21LCS 10X	3.8112	4536	990226	0.329	27-May-04	15:48:23	2
84	27MAY04A 84	0405126-1 50X_CEC	0.082510	118	1139657	4.516	27-May-04	15:51:56	2
85	27MAY04A 85	0405126-2 50X_CEC	0.14781	207	1165550	2.605	27-May-04	15:55:28	2
86	27MAY04A 86	CCV	3.7448	4737	1053458	0.252	27-May-04	15:59:01	2
87	27MAY04A 87	CCB	0.019566	33	1021696	10.484	27-May-04	16:02:34	2
88	27MAY04A 88	IP040521-1MB 10X No Se	0.020127	35	1062748	9.955	27-May-04	16:06:08	2
89	27MAY04A 89	IM040521-1LCS 10X	3.7278	4760	1063662	0.296	27-May-04	16:09:41	2
90	27MAY04A 90	0405095-1 10X	0.032855	51	1077614	8.035	27-May-04	16:13:15	2
91	27MAY04A 91	0405095-1D 10X	0.029689	47	1074396	7.763	27-May-04	16:16:50	2
92	27MAY04A 92	0405095-1L 10X	0.020690	34	1012846	11.162	27-May-04	16:20:24	2
93	27MAY04A 93	0405095-1MS 10X	3.5944	4557	1058121	0.281	27-May-04	16:23:59	2
94	27MAY04A 94	0405095-1MSD 10X	3.7954	4809	1054409	0.307	27-May-04	16:27:35	2
95	27MAY04A 95	0405095-4 10X	0.025457	42	1078034	9.890	27-May-04	16:31:10	2
96	27MAY04A 96	0405095-6 10X	0.032950	51	1075145	8.222	27-May-04	16:34:46	2
97	27MAY04A 97	CCV	3.6384	4301	985966	0.340	27-May-04	16:38:21	2
98	27MAY04A 98	CCB	0.015231	26	948974	12.500	27-May-04	16:47:43	2
99	27MAY04A 99	RINSE							

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 10: 0Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	27MAY04A 01	RINSE	0.0058633	10	1222601	0.000	27-May-04	10:20:14	1
2	27MAY04A 02	RINSE	0.0056146	8	1218962	0.000	27-May-04	10:22:49	1
3	27MAY04A 03	RINSE	0.0054562	6	1219328	0.000	27-May-04	10:26:21	1
4	27MAY04A 04	RINSE	0.0057016	8	1198775	0.000	27-May-04	10:29:54	1
5	27MAY04A 05	0 STD	0.0054049	6	1204444	0.000	27-May-04	10:33:26	1
6	27MAY04A 06	RL STD	0.025169	178	1194313	0.000	27-May-04	10:36:58	1
7	27MAY04A 07	LOW STD	4.7830	42189	1202597	0.000	27-May-04	10:40:32	1
8	27MAY04A 08	MID STD	10.248	91383	1208832	0.000	27-May-04	10:44:05	1
9	27MAY04A 09	HIGH STD	49.974	458916	1199104	0.000	27-May-04	10:47:38	1
10	27MAY04A 10	HIGH STD READBACK	49.808	455480	1194258	0.000	27-May-04	10:51:12	1
11	27MAY04A 11	ICV	12.951	110774	1156407	0.000	27-May-04	10:54:47	1
12	27MAY04A 12	ICB	0.014578	82	1143845	0.000	27-May-04	11:03:21	1
13	27MAY04A 13	CRI	0.028328	205	1189778	0.000	27-May-04	11:08:56	1
14	27MAY04A 14	ICSA_AS_SE	0.023815	193	1384247	0.000	27-May-04	11:12:30	1
15	27MAY04A 15	ICSAB_AS_SE	0.044820	437	1490103	0.000	27-May-04	11:16:04	1
16	27MAY04A 16	ICSA	0.036053	343	1497710	0.000	27-May-04	11:19:39	1
17	27MAY04A 17	ICSAB	10.107	115594	1550647	0.000	27-May-04	11:23:15	1
18	27MAY04A 18	CCV	10.371	105999	1385271	0.000	27-May-04	11:26:51	1
19	27MAY04A 19	CCB	0.015770	112	1390153	0.000	27-May-04	11:30:26	1
20	27MAY04A 20	0405170-1 100X DNU	0.25806	2556	1380224	0.000	27-May-04	11:33:59	1
21	27MAY04A 21	0405170-1D 100X	0.26203	2643	1405111	0.000	27-May-04	11:37:32	1
22	27MAY04A 22	0405170-1 10X	3.5836	37621	1433381	0.000	27-May-04	11:41:05	1
23	27MAY04A 23	0405170-1D 10X *	3.6136	37931	1433161	0.000	27-May-04	11:44:39	1
24	27MAY04A 24	0405170-1 10X_CEC DNU	0.021118	174	1450496	0.000	27-May-04	11:48:13	1
25	27MAY04A 25	0405170-1D 10X_CEC	0.020921	173	1464357	0.000	27-May-04	11:51:48	1
26	27MAY04A 26	IP040521-3MB 10X	0.013482	88	1377884	0.000	27-May-04	11:55:23	1
27	27MAY04A 27	IM040521-3LCS 10X	10.685	115087	1459383	0.000	27-May-04	11:58:58	1

DNU = do not use
* = use

000238

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 10: 0Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	27MAY04A 28	0404190-1 1000X DNU	0.60454	6456	1472000	0.000	27-May-04	12:02:33	1
29	27MAY04A 29	0404190-1D 1000X	0.53731	5607	1439909	0.000	27-May-04	12:06:09	1
30	27MAY04A 30	CCV	10.202	104769	1392220	0.000	27-May-04	12:09:45	1
31	27MAY04A 31	CCB	0.018175	137	1392092	0.000	27-May-04	12:13:20	1
32	27MAY04A 32	0404190-1 100X DNU	7.3940	75571	1389495	0.000	27-May-04	12:16:53	1
33	27MAY04A 33	0404190-1D 100X *	7.1591	72404	1375269	0.000	27-May-04	12:20:27	1
34	27MAY04A 34	IP040521-3MB 10X_CEC DNU	0.015998	107	1293952	0.000	27-May-04	12:24:00	1
35	27MAY04A 35	IM040521-3LCS 10X_..	0.010173	53	1343872	0.000	27-May-04	12:27:35	1
36	27MAY04A 36	0404190-1 100X_CEC	0.018136	139	1419410	0.000	27-May-04	12:31:08	1
37	27MAY04A 37	0404190-1D 100X_CEC	0.019602	155	1425609	0.000	27-May-04	12:34:42	1
38	27MAY04A 38	IP040518-1MB 10X **	0.018995	134	1281280	0.000	27-May-04	12:38:17	1
39	27MAY04A 39	IM040518-1LCS 10X	0.0099765	50	1294153	0.000	27-May-04	12:43:52	1
40	27MAY04A 40	0405058-1 10X	0.020710	171	1463004	0.000	27-May-04	12:47:28	1
41	27MAY04A 41	0405058-1D 10X	0.016793	135	1533714	0.000	27-May-04	12:51:04	1
42	27MAY04A 42	CCV	10.199	102422	1361353	0.000	27-May-04	12:54:40	1
43	27MAY04A 43	CCB	0.014347	89	1273637	0.000	27-May-04	12:58:15	1
44	27MAY04A 44	0405058-1L 50X **	0.037182	324	1364718	0.000	27-May-04	13:01:47	1
45	27MAY04A 45	0405058-1MS 10X	0.087893	879	1445925	0.000	27-May-04	13:05:22	1
46	27MAY04A 46	0405058-1MSD 10X	0.018650	152	1493138	0.000	27-May-04	13:08:59	1
47	27MAY04A 47	0405058-2 10X	0.021863	177	1410341	0.000	27-May-04	13:12:34	1
48	27MAY04A 48	0405058-3 10X	0.051523	459	1342501	0.000	27-May-04	13:16:08	1
49	27MAY04A 49	IP040518-1MB 10X_CEC	0.0084136	35	1296037	0.000	27-May-04	13:19:42	1
50	27MAY04A 50	IM040518-1LCS 10X_..	0.010714	55	1264677	0.000	27-May-04	13:23:16	1
51	27MAY04A 51	0405058-1 10X_CEC	0.0097270	49	1346926	0.000	27-May-04	13:26:50	1
52	27MAY04A 52	0405058-1D 10X_CEC	0.0076427	30	1403977	0.000	27-May-04	13:30:25	1
53	27MAY04A 53	0405058-1L 50X_CEC	0.0068563	22	1393938	0.000	27-May-04	13:34:01	1
54	27MAY04A 54	CCV	10.140	93121	1245020	0.000	27-May-04	13:37:36	1

DNU = do not use
* = use
** - Se and/or U only

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 10: 0Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	27MAY04A 55	CCB	0.011596	60	1203712	0.000	27-May-04	13:41:11	1
56	27MAY04A 56	0405058-1MS 10X_CEC	0.024750	199	1358464	0.000	27-May-04	13:44:45	1
57	27MAY04A 57	0405058-1MSD 10X_CEC	0.011319	68	1405257	0.000	27-May-04	13:48:21	1
58	27MAY04A 58	0405058-2 10X_CEC	0.0079065	31	1341586	0.000	27-May-04	13:51:57	1
59	27MAY04A 59	0405058-3 10X_CEC	0.0093655	44	1310848	0.000	27-May-04	13:55:34	1
60	27MAY04A 60	CCV	10.171	91415	1218487	0.000	27-May-04	13:59:12	1
61	27MAY04A 61	CCB	0.012400	66	1184274	0.000	27-May-04	14:02:47	1
62	27MAY04A 62	IP040521-3MB 10X Ag only	0.012388	62	1114258	0.000	27-May-04	14:22:26	1
63	27MAY04A 63	IP040518-1MB_CEC Se only	0.019431	128	1190839	0.000	27-May-04	14:25:57	1
64	27MAY04A 64	IM040518-1LCS_CEC	0.020248	132	1165093	0.000	27-May-04	14:29:29	1
65	27MAY04A 65	0405058-2_CEC	0.090835	763	1212599	0.000	27-May-04	14:33:03	1
66	27MAY04A 66	0405058-3_CEC	0.11855	1036	1245221	0.000	27-May-04	14:36:36	1
67	27MAY04A 67	0404190-1 10X Cd only	70.102	734631	1343561	0.000	27-May-04	14:40:10	1
68	27MAY04A 68	CCV	10.049	85468	1153116	0.000	27-May-04	14:43:43	1
69	27MAY04A 69	CCB	0.026720	179	1110802	0.000	27-May-04	14:47:18	1
70	27MAY04A 70	0405170-1 100X *	0.21746	1724	1108444	0.000	27-May-04	14:50:53	1
71	27MAY04A 71	0405170-1D 100X	0.23620	1902	1124206	0.000	27-May-04	14:54:27	1
72	27MAY04A 72	0405170-1 10X	3.4218	28589	1141010	0.000	27-May-04	14:58:01	1
73	27MAY04A 73	0405170-1D 10X	3.4522	29545	1168786	0.000	27-May-04	15:01:35	1
74	27MAY04A 74	0405170-1 10X_CEC	0.021908	152	1209984	0.000	27-May-04	15:05:11	1
75	27MAY04A 75	0405170-1D 10X_CEC	0.022040	154	1214318	0.000	27-May-04	15:08:46	1
76	27MAY04A 76	0404190-1 1000X	0.49097	4149	1167068	0.000	27-May-04	15:12:22	1
77	27MAY04A 77	0404190-1 100X	7.1945	62369	1178807	0.000	27-May-04	15:15:57	1
78	27MAY04A 78	0404190-1D 100X	6.9270	58100	1140828	0.000	27-May-04	15:19:30	1
79	27MAY04A 79	0404190-1 100X_CEC	0.029116	208	1168914	0.000	27-May-04	15:23:03	1
80	27MAY04A 80	CCV	10.029	83192	1124718	0.000	27-May-04	15:26:37	1
81	27MAY04A 81	CCB	0.010644	48	1110528	0.000	27-May-04	15:30:10	1

*- not needed - ran for confirmation purposes

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 10: 0Cadmium

As only

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
82	27MAY04A 82	IP040527-21MB 10X	0.013788	67	1010889	0.000	27-May-04	15:44:51	1
83	27MAY04A 83	IP040527-21LCS 10X	10.351	84729	1109468	0.000	27-May-04	15:48:23	1
84	27MAY04A 84	0405126-1 50X_CEC	0.018534	127	1258496	0.000	27-May-04	15:51:56	1
85	27MAY04A 85	0405126-2 50X_CEC	0.22214	2043	1285212	0.000	27-May-04	15:55:28	1
86	27MAY04A 86	CCV	10.018	86641	1172663	0.000	27-May-04	15:59:01	1
87	27MAY04A 87	CCB	0.010556	48	1137445	0.000	27-May-04	16:02:34	1
88	27MAY04A 88	IP040521-1MB 10X	0.019258	123	1162679	0.000	27-May-04	16:06:08	1
89	27MAY04A 89	IM040521-1LCS 10X	10.063	86541	1165952	0.000	27-May-04	16:09:41	1
90	27MAY04A 90	0405095-1 10X	0.026930	192	1184549	0.000	27-May-04	16:13:15	1
91	27MAY04A 91	0405095-1D 10X	0.023333	159	1169298	0.000	27-May-04	16:16:50	1
92	27MAY04A 92	0405095-1L 10X	0.011534	56	1119945	0.000	27-May-04	16:20:24	1
93	27MAY04A 93	0405095-1MS 10X	10.213	87454	1160814	0.000	27-May-04	16:23:59	1
94	27MAY04A 94	0405095-1MSD 10X	10.333	88117	1155877	0.000	27-May-04	16:27:35	1
95	27MAY04A 95	0405095-4 10X	0.030718	224	1180855	0.000	27-May-04	16:31:10	1
96	27MAY04A 96	0405095-6 10X	0.026887	192	1187749	0.000	27-May-04	16:34:46	1
97	27MAY04A 97	CCV	9.9636	81381	1107529	0.000	27-May-04	16:38:21	1
98	27MAY04A 98	CCB	0.0087343	31	1060133	0.000	27-May-04	16:47:43	1
99	27MAY04A 99	RINSE							

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	27MAY04A 01	RINSE	0.0027558	231	1062016	4.859	27-May-04	10:20:14	11
2	27MAY04A 02	RINSE	0.0022549	148	1072914	5.759	27-May-04	10:22:49	11
3	27MAY04A 03	RINSE	0.0023396	163	1076626	6.930	27-May-04	10:26:21	11
4	27MAY04A 04	RINSE	0.0019852	102	1072421	5.903	27-May-04	10:29:54	11
5	27MAY04A 05	0 STD	0.0018038	71	1070976	6.482	27-May-04	10:33:26	11
6	27MAY04A 06	RL STD	0.0081707	1157	1073701	0.679	27-May-04	10:36:58	11
7	27MAY04A 07	LOW STD	1.0032	173056	1087452	0.027	27-May-04	10:40:32	11
8	27MAY04A 08	MID STD	1.9986	343813	1083666	0.023	27-May-04	10:44:05	11
9	27MAY04A 09	HIGH STD	10.0000	1715621	1079698	0.010	27-May-04	10:47:38	11
10	27MAY04A 10	HIGH STD READBACK	10.050	1705820	1068160	0.009	27-May-04	10:51:12	11
11	27MAY04A 11	ICV	2.5524	425714	1050496	0.022	27-May-04	10:54:47	11
12	27MAY04A 12	ICB	0.0051553	621	1037367	3.395	27-May-04	11:03:21	11
13	27MAY04A 13	CRI	0.0093967	1361	1069696	1.085	27-May-04	11:08:56	11
14	27MAY04A 14	ICSA_AS_SE	0.0025002	215	1215305	4.226	27-May-04	11:12:30	11
15	27MAY04A 15	ICSAB_AS_SE	0.0026022	247	1279013	5.169	27-May-04	11:16:04	11
16	27MAY04A 16	ICSA	0.0023442	173	1137116	5.034	27-May-04	11:19:39	11
17	27MAY04A 17	ICSAB	2.2250	413134	1169573	0.015	27-May-04	11:23:15	11
18	27MAY04A 18	CCV	1.9988	401253	1264585	0.019	27-May-04	11:26:51	11
19	27MAY04A 19	CCB	0.0042758	573	1248512	3.931	27-May-04	11:30:26	11
20	27MAY04A 20	0405170-1 100X DNU	0.0027144	263	1246830	6.335	27-May-04	11:33:59	11
21	27MAY04A 21	0405170-1D 100X	0.0020342	130	1263452	5.070	27-May-04	11:37:32	11
22	27MAY04A 22	0405170-1 10X	0.0020741	140	1281701	6.375	27-May-04	11:41:05	11
23	27MAY04A 23	0405170-1D 10X	0.0018441	93	1279214	5.632	27-May-04	11:44:39	11
24	27MAY04A 24	0405170-1 10X_CEC	0.0017346	70	1265609	7.348	27-May-04	11:48:13	11
25	27MAY04A 25	0405170-1D 10X_CEC	0.0019759	118	1260142	10.023	27-May-04	11:51:48	11
26	27MAY04A 26	IP040521-3MB 10X	0.0016574	55	1277970	8.434	27-May-04	11:55:23	11
27	27MAY04A 27	IM040521-3LCS 10X	1.9999	408768	1287607	0.015	27-May-04	11:58:58	11

DNU = do not use

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	27MAY04A 28	0404190-1 1000X DNU	0.020128	3750	1259703	0.631	27-May-04	12:02:33	11
29	27MAY04A 29	0404190-1D 1000X	0.011103	1939	1256412	0.944	27-May-04	12:06:09	11
30	27MAY04A 30	CCV	1.9835	377010	1197404	0.018	27-May-04	12:09:45	11
31	27MAY04A 31	CCB	0.0047644	644	1200256	2.476	27-May-04	12:13:20	11
32	27MAY04A 32	0404190-1 100X DNU	0.14917	28330	1206894	0.103	27-May-04	12:16:53	11
33	27MAY04A 33	0404190-1D 100X	0.10489	19731	1200128	0.092	27-May-04	12:20:27	11
34	27MAY04A 34	IP040521-3MB 10X_CEC *	0.0019579	112	1233920	9.323	27-May-04	12:24:00	11
35	27MAY04A 35	IM040521-3LCS 10X_..	0.0019198	105	1239442	6.046	27-May-04	12:27:35	11
36	27MAY04A 36	0404190-1 100X_CEC	0.0017817	77	1226277	6.141	27-May-04	12:31:08	11
37	27MAY04A 37	0404190-1D 100X_CEC	0.0018103	81	1202962	9.365	27-May-04	12:34:42	11
38	27MAY04A 38	IP040518-1MB 10X	0.0015959	37	1111881	10.933	27-May-04	12:38:17	11
39	27MAY04A 39	IM040518-1LCS 10X	1.9926	358167	1132343	0.017	27-May-04	12:43:52	11
40	27MAY04A 40	0405058-1 10X	3.2936	583113	1114898	0.012	27-May-04	12:47:28	11
41	27MAY04A 41	0405058-1D 10X	3.2820	608549	1167671	0.011	27-May-04	12:51:04	11
42	27MAY04A 42	CCV	1.9865	376677	1194514	0.021	27-May-04	12:54:40	11
43	27MAY04A 43	CCB	0.0043462	531	1129490	3.336	27-May-04	12:58:15	11
44	27MAY04A 44	0405058-1L 50X	0.61085	111114	1147776	0.032	27-May-04	13:01:47	11
45	27MAY04A 45	0405058-1MS 10X	5.5691	971173	1097856	0.008	27-May-04	13:05:22	11
46	27MAY04A 46	0405058-1MSD 10X	5.5693	999662	1130002	0.008	27-May-04	13:08:59	11
47	27MAY04A 47	0405058-2 10X	0.15738	30251	1220882	0.168	27-May-04	13:12:34	11
48	27MAY04A 48	0405058-3 10X	0.15253	28429	1184220	0.132	27-May-04	13:16:08	11
49	27MAY04A 49	IP040518-1MB 10X_CEC 1	0.0026732	237	1159552	6.265	27-May-04	13:19:42	11
50	27MAY04A 50	IM040518-1LCS 10X_..	0.0025069	202	1135031	5.421	27-May-04	13:23:16	11
51	27MAY04A 51	0405058-1 10X_CEC	0.0022713	170	1209454	4.150	27-May-04	13:26:50	11
52	27MAY04A 52	0405058-1D 10X_CEC	0.0021524	153	1257600	3.369	27-May-04	13:30:25	11
53	27MAY04A 53	0405058-1L 50X_CEC	0.0017158	66	1261404	6.963	27-May-04	13:34:01	11
54	27MAY04A 54	CCV	2.0023	363511	1143644	0.021	27-May-04	13:37:36	11

DNU = do not use
* = As, Se only
1 - do not use for U.

000243

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 12: 238U

Se only

Ag only

Se only

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	27MAY04A 55	CCB	0.0036593	398	1102446	5.433	27-May-04	13:41:11	11
56	27MAY04A 56	0405058-1MS 10X_CEC	0.0027828	272	1226332	4.868	27-May-04	13:44:45	11
57	27MAY04A 57	0405058-1MSD 10X_CEC	0.0043203	587	1259630	1.828	27-May-04	13:48:21	11
58	27MAY04A 58	0405058-2 10X_CEC	0.0020296	122	1194240	7.265	27-May-04	13:51:57	11
59	27MAY04A 59	0405058-3 10X_CEC	0.0017045	60	1187657	7.829	27-May-04	13:55:34	11
60	27MAY04A 60	CCV	2.0050	358606	1126729	0.020	27-May-04	13:59:12	11
61	27MAY04A 61	CCB	0.0045563	552	1096357	4.443	27-May-04	14:02:47	11
62	27MAY04A 62	IP040521-3MB 10X	0.0015021	20	1088732	17.287	27-May-04	14:22:26	11
63	27MAY04A 63	IP040518-1MB_CEC	0.0019280	81	941623	5.627	27-May-04	14:25:57	11
64	27MAY04A 64	IM040518-1LCS_CEC	2.2880	334496	920887	0.013	27-May-04	14:29:29	11
65	27MAY04A 65	0405058-2_CEC	0.11950	17466	930999	0.213	27-May-04	14:33:03	11
66	27MAY04A 66	0405058-3_CEC	0.088481	13157	951077	0.563	27-May-04	14:36:36	11
67	27MAY04A 67	0404190-1 10X *	1.7814	330921	1170359	0.018	27-May-04	14:40:10	11
68	27MAY04A 68	CCV	2.0069	357403	1121865	0.019	27-May-04	14:43:43	11
69	27MAY04A 69	CCB	0.0035044	362	1076078	4.490	27-May-04	14:47:18	11
70	27MAY04A 70	0405170-1 100X **	0.0031227	294	1066039	4.006	27-May-04	14:50:53	11
71	27MAY04A 71	0405170-1D 100X	0.0020591	115	1076242	7.985	27-May-04	14:54:27	11
72	27MAY04A 72	0405170-1 10X	0.0018031	72	1087836	9.536	27-May-04	14:58:01	11
73	27MAY04A 73	0405170-1D 10X	0.0016727	50	1099520	10.756	27-May-04	15:01:35	11
74	27MAY04A 74	0405170-1 10X_CEC	0.0015936	37	1124169	8.964	27-May-04	15:05:11	11
75	27MAY04A 75	0405170-1D 10X_CEC	0.0017262	60	1111625	10.470	27-May-04	15:08:46	11
76	27MAY04A 76	0404190-1 1000X	0.011619	1765	1085916	0.520	27-May-04	15:12:22	11
77	27MAY04A 77	0404190-1 100X	0.14334	24521	1087525	0.097	27-May-04	15:15:57	11
78	27MAY04A 78	0404190-1D 100X	0.098917	16509	1065692	0.119	27-May-04	15:19:30	11
79	27MAY04A 79	0404190-1 100X_CEC	0.0018764	85	1092224	8.626	27-May-04	15:23:03	11
80	27MAY04A 80	CCV	2.0152	339744	1062053	0.026	27-May-04	15:26:37	11
81	27MAY04A 81	CCB	0.0030845	280	1038135	4.553	27-May-04	15:30:10	11

* = use

** - not needed - for confirmation purposes.

000244

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 12: 238U

A only

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
82	27MAY04A 82	IP040527-21MB 10X	0.0016194	38	1026926	10.919	27-May-04	15:44:51	11
83	27MAY04A 83	IP040527-21LCS 10X	2.0440	353125	1088274	0.019	27-May-04	15:48:23	11
84	27MAY04A 84	0405126-1 50X_CEC	0.0053688	719	1136677	3.364	27-May-04	15:51:56	11
85	27MAY04A 85	0405126-2 50X_CEC	0.0069407	1004	1138030	1.409	27-May-04	15:55:28	11
86	27MAY04A 86	CCV	1.9885	340064	1077303	0.019	27-May-04	15:59:01	11
87	27MAY04A 87	CCB	0.0031726	295	1039781	4.605	27-May-04	16:02:34	11
88	27MAY04A 88	IP040521-1MB 10X	0.0023230	154	1035154	5.950	27-May-04	16:06:08	11
89	27MAY04A 89	IM040521-1LCS 10X	2.0422	345641	1066185	0.024	27-May-04	16:09:41	11
90	27MAY04A 90	0405095-1 10X	0.010040	1484	1079607	1.219	27-May-04	16:13:15	11
91	27MAY04A 91	0405095-1D 10X	0.0071800	977	1061687	0.980	27-May-04	16:16:50	11
92	27MAY04A 92	0405095-1L 10X	0.0029423	256	1035886	3.559	27-May-04	16:20:24	11
93	27MAY04A 93	0405095-1MS 10X	2.0543	337934	1036233	0.024	27-May-04	16:23:59	11
94	27MAY04A 94	0405095-1MSD 10X	2.1211	348914	1036197	0.020	27-May-04	16:27:35	11
95	27MAY04A 95	0405095-4 10X	0.079232	13266	1072896	0.148	27-May-04	16:31:10	11
96	27MAY04A 96	0405095-6 10X	4.2351	722706	1074469	0.013	27-May-04	16:34:46	11
97	27MAY04A 97	CCV	2.0050	331570	1041756	0.023	27-May-04	16:38:21	11
98	27MAY04A 98	CCB	0.0025763	188	994688	5.981	27-May-04	16:47:43	11
99	27MAY04A 99	RINSE							

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 13: 107Ag

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	27MAY04A 01	RINSE	0.0018878	18	1222601	12.791	27-May-04	10:20:14	1
2	27MAY04A 02	RINSE	0.0019710	22	1218962	14.154	27-May-04	10:22:49	1
3	27MAY04A 03	RINSE	0.0018888	18	1219328	17.950	27-May-04	10:26:21	1
4	27MAY04A 04	RINSE	0.0019369	20	1198775	17.752	27-May-04	10:29:54	1
5	27MAY04A 05	0 STD	0.0018311	15	1204444	19.925	27-May-04	10:33:26	1
6	27MAY04A 06	RL STD	0.0083260	325	1194313	1.850	27-May-04	10:36:58	1
7	27MAY04A 07	LOW STD	0.96321	46429	1202597	0.073	27-May-04	10:40:32	1
8	27MAY04A 08	MID STD	2.0431	99535	1208832	0.042	27-May-04	10:44:05	1
9	27MAY04A 09	HIGH STD	9.9953	499785	1199104	0.021	27-May-04	10:47:38	1
10	27MAY04A 10	HIGH STD READBACK	10.017	498903	1194258	0.016	27-May-04	10:51:12	1
11	27MAY04A 11	ICV	2.6245	122639	1156407	0.034	27-May-04	10:54:47	1
12	27MAY04A 12	ICB	0.0055212	183	1143845	9.636	27-May-04	11:03:21	1
13	27MAY04A 13	CRI	0.0087934	346	1189778	2.234	27-May-04	11:08:56	1
14	27MAY04A 14	ICSA_AS_SE	0.0097591	456	1384247	1.653	27-May-04	11:12:30	1
15	27MAY04A 15	ICSAB_AS_SE	2.0172	121125	1490103	0.028	27-May-04	11:16:04	1
16	27MAY04A 16	ICSA	0.024331	1366	1497710	0.870	27-May-04	11:19:39	1
17	27MAY04A 17	ICSAB	1.9299	120541	1550647	0.032	27-May-04	11:23:15	1
18	27MAY04A 18	CCV	2.0374	113745	1385271	0.046	27-May-04	11:26:51	1
19	27MAY04A 19	CCB	0.0035527	113	1390153	7.268	27-May-04	11:30:26	1
20	27MAY04A 20	0405170-1 100X *	4.5619	256603	1380224	0.023	27-May-04	11:33:59	1
21	27MAY04A 21	0405170-1D 100X DNU	4.5470	260357	1405111	0.017	27-May-04	11:37:32	1
22	27MAY04A 22	0405170-1 10X	39.770	2670592	1433381	0.005	27-May-04	11:41:05	1
23	27MAY04A 23	0405170-1D 10X	40.118	2696997	1433161	0.006	27-May-04	11:44:39	1
24	27MAY04A 24	0405170-1 10X_CEC	39.132	2652819	1450496	0.006	27-May-04	11:48:13	1
25	27MAY04A 25	0405170-1D 10X_CEC	39.123	2677468	1464357	0.005	27-May-04	11:51:48	1
26	27MAY04A 26	IP040521-3MB 10X **	0.081130	4387	1377884	1.371	27-May-04	11:55:23	1
27	27MAY04A 27	IM040521-3LCS 10X	2.1460	126280	1459383	0.035	27-May-04	11:58:58	1

* = use
DNU = do not use
** - do not use - carryover - reanalyzed later in the sequence

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 13: 107Ag

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	27MAY04A 28	0404190-1 1000X DNU	0.53351	31379	1472000	0.193	27-May-04	12:02:33	1
29	27MAY04A 29	0404190-1D 1000X	0.44101	25348	1439909	0.135	27-May-04	12:06:09	1
30	27MAY04A 30	CCV	2.0373	114307	1392220	0.041	27-May-04	12:09:45	1
31	27MAY04A 31	CCB	0.0070536	308	1392092	3.313	27-May-04	12:13:20	1
32	27MAY04A 32	0404190-1 100X DNU	5.0928	289047	1389495	0.017	27-May-04	12:16:53	1
33	27MAY04A 33	0404190-1D 100X *	4.9859	279954	1375269	0.019	27-May-04	12:20:27	1
34	27MAY04A 34	IP040521-3MB 10X_CEC (1)	0.027091	1323	1293952	1.991	27-May-04	12:24:00	1
35	27MAY04A 35	IM040521-3LCS 10X_..	1.9912	107817	1343872	0.036	27-May-04	12:27:35	1
36	27MAY04A 36	0404190-1 100X_CEC	4.9723	288133	1419410	0.019	27-May-04	12:31:08	1
37	27MAY04A 37	0404190-1D 100X_CEC	4.9458	287817	1425609	0.036	27-May-04	12:34:42	1
38	27MAY04A 38	IP040518-1MB 10X	0.0051311	185	1281280	6.238	27-May-04	12:38:17	1
39	27MAY04A 39	IM040518-1LCS 10X	0.0034330	99	1294153	8.770	27-May-04	12:43:52	1
40	27MAY04A 40	0405058-1 10X	0.0049218	199	1463004	3.933	27-May-04	12:47:28	1
41	27MAY04A 41	0405058-1D 10X	0.0043409	173	1533714	3.897	27-May-04	12:51:04	1
42	27MAY04A 42	CCV	2.0427	112073	1361353	0.034	27-May-04	12:54:40	1
43	27MAY04A 43	CCB	0.0044457	149	1273637	5.260	27-May-04	12:58:15	1
44	27MAY04A 44	0405058-1L 50X (1)	0.0031691	90	1364718	10.498	27-May-04	13:01:47	1
45	27MAY04A 45	0405058-1MS 10X	0.0089925	432	1445925	1.782	27-May-04	13:05:22	1
46	27MAY04A 46	0405058-1MSD 10X	0.0047526	193	1493138	2.831	27-May-04	13:08:59	1
47	27MAY04A 47	0405058-2 10X	0.0042153	152	1410341	2.548	27-May-04	13:12:34	1
48	27MAY04A 48	0405058-3 10X	0.0064382	264	1342501	1.928	27-May-04	13:16:08	1
49	27MAY04A 49	IP040518-1MB 10X_CEC	0.010165	448	1296037	1.651	27-May-04	13:19:42	1
50	27MAY04A 50	IM040518-1LCS 10X_..	0.0099843	428	1264677	1.542	27-May-04	13:23:16	1
51	27MAY04A 51	0405058-1 10X_CEC	0.011064	514	1346926	1.177	27-May-04	13:26:50	1
52	27MAY04A 52	0405058-1D 10X_CEC	0.010089	481	1403977	1.111	27-May-04	13:30:25	1
53	27MAY04A 53	0405058-1L 50X_CEC	0.0040676	142	1393938	3.281	27-May-04	13:34:01	1
54	27MAY04A 54	CCV	1.9972	100193	1245020	0.047	27-May-04	13:37:36	1

DNU = do not use
* = use
(1) - No Aq needed

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 13: 107Ag

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	27MAY04A 55	CCB	0.0031819	80	1203712	16.446	27-May-04	13:41:11	1
56	27MAY04A 56	0405058-1MS 10X_CEC	0.010265	475	1358464	1.595	27-May-04	13:44:45	1
57	27MAY04A 57	0405058-1MSD 10X_CEC	0.0094045	443	1405257	1.767	27-May-04	13:48:21	1
58	27MAY04A 58	0405058-2 10X_CEC	0.0082500	361	1341586	1.953	27-May-04	13:51:57	1
59	27MAY04A 59	0405058-3 10X_CEC	0.0062517	248	1310848	2.279	27-May-04	13:55:34	1
60	27MAY04A 60	CCV	2.0004	98217	1218487	0.055	27-May-04	13:59:12	1
61	27MAY04A 61	CCB	0.0039696	116	1184274	11.696	27-May-04	14:02:47	1
62	27MAY04A 62	IP040521-3MB 10X	0.022417	931	1114258	1.209	27-May-04	14:22:26	1
63	27MAY04A 63	IP040518-1MB_CEC	0.014311	609	1190839	1.083	27-May-04	14:25:57	1
64	27MAY04A 64	IM040518-1LCS_CEC	0.010064	398	1165093	1.569	27-May-04	14:29:29	1
65	27MAY04A 65	0405058-2_CEC	0.042066	1966	1212599	0.674	27-May-04	14:33:03	1
66	27MAY04A 66	0405058-3_CEC	0.037189	1776	1245221	0.540	27-May-04	14:36:36	1
67	27MAY04A 67	0404190-1 10X	40.349	2545079	1343561	0.007	27-May-04	14:40:10	1
68	27MAY04A 68	CCV	2.0063	93223	1153116	0.070	27-May-04	14:43:43	1
69	27MAY04A 69	CCB	0.016313	657	1110802	4.413	27-May-04	14:47:18	1
70	27MAY04A 70	0405170-1 100X *	4.4630	201522	1108444	0.031	27-May-04	14:50:53	1
71	27MAY04A 71	0405170-1D 100X	4.5176	206935	1124206	0.024	27-May-04	14:54:27	1
72	27MAY04A 72	0405170-1 10X	39.543	2111927	1141010	0.008	27-May-04	14:58:01	1
73	27MAY04A 73	0405170-1D 10X	39.539	2163127	1168786	0.005	27-May-04	15:01:35	1
74	27MAY04A 74	0405170-1 10X_CEC	38.603	2178780	1209984	0.005	27-May-04	15:05:11	1
75	27MAY04A 75	0405170-1D 10X_CEC	38.881	2204599	1214318	0.004	27-May-04	15:08:46	1
76	27MAY04A 76	0404190-1 1000X	0.46569	21701	1167068	0.208	27-May-04	15:12:22	1
77	27MAY04A 77	0404190-1 100X	5.0078	241038	1178807	0.023	27-May-04	15:15:57	1
78	27MAY04A 78	0404190-1D 100X	4.8745	226935	1140828	0.020	27-May-04	15:19:30	1
79	27MAY04A 79	0404190-1 100X_CEC	4.8676	232183	1168914	0.023	27-May-04	15:23:03	1
80	27MAY04A 80	CCV	1.9960	90456	1124718	0.045	27-May-04	15:26:37	1
81	27MAY04A 81	CCB	0.0066098	226	1110528	7.575	27-May-04	15:30:10	1

Sc only

Sc only

U only

* - not needed - for confirmation purposes

000248

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 13: 107Ag

A only

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
82	27MAY04A 82	IP040527-21MB 10X	0.0027815	51	1010889	9.128	27-May-04	15:44:51	1
83	27MAY04A 83	IP040527-21LCS 10X	1.9961	89232	1109468	0.054	27-May-04	15:48:23	1
84	27MAY04A 84	0405126-1 50X_CEC	0.011516	503	1258496	3.464	27-May-04	15:51:56	1
85	27MAY04A 85	0405126-2 50X_CEC	0.030631	1496	1285212	0.693	27-May-04	15:55:28	1
86	27MAY04A 86	CCV	2.0023	94610	1172663	0.046	27-May-04	15:59:01	1
87	27MAY04A 87	CCB	0.0028610	61	1137445	11.007	27-May-04	16:02:34	1
88	27MAY04A 88	IP040521-1MB 10X	0.0042947	129	1162679	7.667	27-May-04	16:06:08	1
89	27MAY04A 89	IM040521-1LCS 10X	2.0568	96653	1165952	0.046	27-May-04	16:09:41	1
90	27MAY04A 90	0405095-1 10X	0.0052782	178	1184549	5.549	27-May-04	16:13:15	1
91	27MAY04A 91	0405095-1D 10X	0.0038512	109	1169298	6.170	27-May-04	16:16:50	1
92	27MAY04A 92	0405095-1L 10X	0.0026586	51	1119945	8.202	27-May-04	16:20:24	1
93	27MAY04A 93	0405095-1MS 10X	2.0518	95995	1160814	0.036	27-May-04	16:23:59	1
94	27MAY04A 94	0405095-1MSD 10X	2.0940	97570	1155877	0.037	27-May-04	16:27:35	1
95	27MAY04A 95	0405095-4 10X	0.0054594	186	1180855	5.466	27-May-04	16:31:10	1
96	27MAY04A 96	0405095-6 10X	0.0042993	132	1187749	7.374	27-May-04	16:34:46	1
97	27MAY04A 97	CCV	1.9574	87335	1107529	0.063	27-May-04	16:38:21	1
98	27MAY04A 98	CCB	0.0031004	67	1060133	11.786	27-May-04	16:47:43	1
99	27MAY04A 99	RINSE							

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 15: 121Sb

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	27MAY04A 01	RINSE	0.0075470	174	1222601	2.840	27-May-04	10:20:14	1
2	27MAY04A 02	RINSE	0.0065871	146	1218962	3.554	27-May-04	10:22:49	1
3	27MAY04A 03	RINSE	0.0063761	140	1219328	3.588	27-May-04	10:26:21	1
4	27MAY04A 04	RINSE	0.0059627	126	1198775	4.047	27-May-04	10:29:54	1
5	27MAY04A 05	0 STD	0.0061890	133	1204444	3.674	27-May-04	10:33:26	1
6	27MAY04A 06	RL STD	0.024299	640	1194313	1.067	27-May-04	10:36:58	1
7	27MAY04A 07	LOW STD	0.95707	27195	1202597	0.098	27-May-04	10:40:32	1
8	27MAY04A 08	MID STD	2.0544	59234	1208832	0.056	27-May-04	10:44:05	1
9	27MAY04A 09	HIGH STD	9.9941	303698	1199104	0.023	27-May-04	10:47:38	1
10	27MAY04A 10	HIGH STD READBACK	9.9417	300768	1194258	0.022	27-May-04	10:51:12	1
11	27MAY04A 11	ICV	2.6826	74366	1156407	0.049	27-May-04	10:54:47	1
12	27MAY04A 12	ICB	0.010644	246	1143845	4.390	27-May-04	11:03:21	1
13	27MAY04A 13	CRI	0.027749	734	1189778	1.652	27-May-04	11:08:56	1
14	27MAY04A 14	ICSA_AS_SE	0.066016	2099	1384247	0.532	27-May-04	11:12:30	1
15	27MAY04A 15	ICSAB_AS_SE	1.9912	70735	1490103	0.040	27-May-04	11:16:04	1
16	27MAY04A 16	ICSA	0.077515	2676	1497710	0.485	27-May-04	11:19:39	1
17	27MAY04A 17	ICSAB	2.2672	83999	1550647	0.037	27-May-04	11:23:15	1
18	27MAY04A 18	CCV	2.1186	70037	1385271	0.048	27-May-04	11:26:51	1
19	27MAY04A 19	CCB	0.010951	309	1390153	2.992	27-May-04	11:30:26	1
20	27MAY04A 20	0405170-1 100X DNU	0.48478	15727	1380224	0.146	27-May-04	11:33:59	1
21	27MAY04A 21	0405170-1D 100X ↓	0.38536	12707	1405111	0.138	27-May-04	11:37:32	1
22	27MAY04A 22	0405170-1 10X *	4.6237	161307	1433381	0.026	27-May-04	11:41:05	1
23	27MAY04A 23	0405170-1D 10X DNU	4.6627	162693	1433161	0.025	27-May-04	11:44:39	1
24	27MAY04A 24	0405170-1 10X_CEC	3.8253	134213	1450496	0.030	27-May-04	11:48:13	1
25	27MAY04A 25	0405170-1D 10X_CEC ↓	3.8621	136841	1464357	0.023	27-May-04	11:51:48	1
26	27MAY04A 26	IP040521-3MB 10X	0.018635	555	1377884	3.329	27-May-04	11:55:23	1
27	27MAY04A 27	IM040521-3LCS 10X	2.1766	75838	1459383	0.035	27-May-04	11:58:58	1

DNU = do not use
* = use

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 15: 121Sb

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	27MAY04A 28	0404190-1 1000X DNU	0.27573	9502	1472000	0.171	27-May-04	12:02:33	1
29	27MAY04A 29	0404190-1D 1000X	0.26181	8822	1439909	0.238	27-May-04	12:06:09	1
30	27MAY04A 30	CCV	2.0427	67826	1392220	0.054	27-May-04	12:09:45	1
31	27MAY04A 31	CCB	0.017482	523	1392092	2.254	27-May-04	12:13:20	1
32	27MAY04A 32	0404190-1 100X DNU	2.9118	97167	1389495	0.033	27-May-04	12:16:53	1
33	27MAY04A 33	0404190-1D 100X *	3.1547	104397	1375269	0.028	27-May-04	12:20:27	1
34	27MAY04A 34	IP040521-3MB 10X_CEC (1)	0.011161	294	1293952	3.166	27-May-04	12:24:00	1
35	27MAY04A 35	IM040521-3LCS 10X_..	1.6915	54058	1343872	0.048	27-May-04	12:27:35	1
36	27MAY04A 36	0404190-1 100X_CEC	2.4381	82799	1419410	0.039	27-May-04	12:31:08	1
37	27MAY04A 37	0404190-1D 100X_CEC	2.8506	97550	1425609	0.046	27-May-04	12:34:42	1
38	27MAY04A 38	IP040518-1MB 10X	0.011921	314	1281280	3.947	27-May-04	12:38:17	1
39	27MAY04A 39	IM040518-1LCS 10X	0.010041	260	1294153	2.680	27-May-04	12:43:52	1
40	27MAY04A 40	0405058-1 10X	0.034801	1145	1463004	0.852	27-May-04	12:47:28	1
41	27MAY04A 41	0405058-1D 10X	0.034736	1198	1533714	0.806	27-May-04	12:51:04	1
42	27MAY04A 42	CCV	2.0386	66186	1361353	0.057	27-May-04	12:54:40	1
43	27MAY04A 43	CCB	0.010647	274	1273637	2.740	27-May-04	12:58:15	1
44	27MAY04A 44	0405058-1L 50X (1)	0.012812	363	1364718	1.793	27-May-04	13:01:47	1
45	27MAY04A 45	0405058-1MS 10X	0.033340	1082	1445925	0.767	27-May-04	13:05:22	1
46	27MAY04A 46	0405058-1MSD 10X	0.030082	1003	1493138	1.051	27-May-04	13:08:59	1
47	27MAY04A 47	0405058-2 10X	0.020685	636	1410341	1.221	27-May-04	13:12:34	1
48	27MAY04A 48	0405058-3 10X	0.020957	614	1342501	1.177	27-May-04	13:16:08	1
49	27MAY04A 49	IP040518-1MB 10X_CEC	0.010817	284	1296037	2.213	27-May-04	13:19:42	1
50	27MAY04A 50	IM040518-1LCS 10X_..	0.0094661	237	1264677	2.672	27-May-04	13:23:16	1
51	27MAY04A 51	0405058-1 10X_CEC	0.022821	675	1346926	1.148	27-May-04	13:26:50	1
52	27MAY04A 52	0405058-1D 10X_CEC	0.021530	661	1403977	1.047	27-May-04	13:30:25	1
53	27MAY04A 53	0405058-1L 50X_CEC	0.011108	315	1393938	1.688	27-May-04	13:34:01	1
54	27MAY04A 54	CCV	2.0106	59685	1245020	0.050	27-May-04	13:37:36	1

DNU = do not use
* = use
(1) = Sb not needed

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 15: 121Sb

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	27MAY04A 55	CCB	0.0091274	216	1203712	2.765	27-May-04	13:41:11	1
56	27MAY04A 56	0405058-1MS 10X_CEC	0.023486	702	1358464	0.958	27-May-04	13:44:45	1
57	27MAY04A 57	0405058-1MSD 10X_CEC	0.023299	720	1405257	0.935	27-May-04	13:48:21	1
58	27MAY04A 58	0405058-2 10X_CEC	0.018306	530	1341586	1.464	27-May-04	13:51:57	1
59	27MAY04A 59	0405058-3 10X_CEC	0.019771	563	1310848	1.324	27-May-04	13:55:34	1
60	27MAY04A 60	CCV	2.0102	58401	1218487	0.054	27-May-04	13:59:12	1
61	27MAY04A 61	CCB	0.0091090	212	1184274	2.381	27-May-04	14:02:47	1
62	27MAY04A 62	IP040521-3MB 10X	0.0076776	162	1114258	3.089	27-May-04	14:22:26	1
63	27MAY04A 63	IP040518-1MB_CEC	0.019362	500	1190839	1.670	27-May-04	14:25:57	1
64	27MAY04A 64	IM040518-1LCS_CEC	0.020195	512	1165093	1.372	27-May-04	14:29:29	1
65	27MAY04A 65	0405058-2_CEC	0.12899	3635	1212599	0.313	27-May-04	14:33:03	1
66	27MAY04A 66	0405058-3_CEC	0.12961	3751	1245221	0.325	27-May-04	14:36:36	1
67	27MAY04A 67	0404190-1 10X	25.252	956142	1343561	0.009	27-May-04	14:40:10	1
68	27MAY04A 68	CCV	2.0494	56365	1153116	0.064	27-May-04	14:43:43	1
69	27MAY04A 69	CCB	0.019155	461	1110802	5.074	27-May-04	14:47:18	1
70	27MAY04A 70	0405170-1 100X *	0.45084	11740	1108444	0.150	27-May-04	14:50:53	1
71	27MAY04A 71	0405170-1D 100X	0.33495	8828	1124206	0.154	27-May-04	14:54:27	1
72	27MAY04A 72	0405170-1 10X	4.5166	125328	1141010	0.038	27-May-04	14:58:01	1
73	27MAY04A 73	0405170-1D 10X	4.5766	130145	1168786	0.033	27-May-04	15:01:35	1
74	27MAY04A 74	0405170-1 10X_CEC	3.8107	111521	1209984	0.031	27-May-04	15:05:11	1
75	27MAY04A 75	0405170-1D 10X_CEC	3.7701	110691	1214318	0.037	27-May-04	15:08:46	1
76	27MAY04A 76	0404190-1 1000X	0.22182	6050	1167068	0.299	27-May-04	15:12:22	1
77	27MAY04A 77	0404190-1 100X	2.8903	81813	1178807	0.043	27-May-04	15:15:57	1
78	27MAY04A 78	0404190-1D 100X	3.1374	86114	1140828	0.036	27-May-04	15:19:30	1
79	27MAY04A 79	0404190-1 100X_CEC	2.4851	69528	1168914	0.039	27-May-04	15:23:03	1
80	27MAY04A 80	CCV	2.0027	53702	1124718	0.066	27-May-04	15:26:37	1
81	27MAY04A 81	CCB	0.010573	237	1110528	2.649	27-May-04	15:30:10	1

Se only
As only
Se only
U only

* - not needed - confirmation purposes

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 15: 121Sb

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
82	27MAY04A 82	IP040527-21MB 10X	0.0067523	125	1010889	3.278	27-May-04	15:44:51	1
83	27MAY04A 83	IP040527-21LCS 10X	2.0567	54426	1109468	0.071	27-May-04	15:48:23	1
84	27MAY04A 84	0405126-1 50X_CEC	0.036223	1027	1258496	0.898	27-May-04	15:51:56	1
85	27MAY04A 85	0405126-2 50X_CEC	0.028581	818	1285212	1.304	27-May-04	15:55:28	1
86	27MAY04A 86	CCV	1.9850	55488	1172663	0.064	27-May-04	15:59:01	1
87	27MAY04A 87	CCB	0.0094602	213	1137445	4.981	27-May-04	16:02:34	1
88	27MAY04A 88	IP040521-1MB 10X	0.0093970	216	1162679	2.761	27-May-04	16:06:08	1
89	27MAY04A 89	IM040521-1LCS 10X	2.0200	56161	1165952	0.059	27-May-04	16:09:41	1
90	27MAY04A 90	0405095-1 10X	0.011587	281	1184549	2.422	27-May-04	16:13:15	1
91	27MAY04A 91	0405095-1D 10X	0.011027	262	1169298	2.673	27-May-04	16:16:50	1
92	27MAY04A 92	0405095-1L 10X	0.0087485	191	1119945	2.527	27-May-04	16:20:24	1
93	27MAY04A 93	0405095-1MS 10X	1.9750	54648	1160814	0.057	27-May-04	16:23:59	1
94	27MAY04A 94	0405095-1MSD 10X	2.0425	56306	1155877	0.058	27-May-04	16:27:35	1
95	27MAY04A 95	0405095-4 10X	0.012880	316	1180855	3.166	27-May-04	16:31:10	1
96	27MAY04A 96	0405095-6 10X	0.010628	255	1187749	2.341	27-May-04	16:34:46	1
97	27MAY04A 97	CCV	1.9516	51512	1107529	0.070	27-May-04	16:38:21	1
98	27MAY04A 98	CCB	0.0083550	171	1060133	3.850	27-May-04	16:47:43	1
99	27MAY04A 99	RINSE							

Sb only

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 17: 203Tl

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	27MAY04A 01	RINSE	0.00082044	26	1062016	10.814	27-May-04	10:20:14	11
2	27MAY04A 02	RINSE	0.00029421	16	1072914	17.162	27-May-04	10:22:49	11
3	27MAY04A 03	RINSE	0.00034245	17	1076626	20.960	27-May-04	10:26:21	11
4	27MAY04A 04	RINSE	0.00044845	19	1072421	16.742	27-May-04	10:29:54	11
5	27MAY04A 05	0 STD	0.00044977	19	1070976	18.608	27-May-04	10:33:26	11
6	27MAY04A 06	RL STD	0.019829	403	1073701	1.607	27-May-04	10:36:58	11
7	27MAY04A 07	LOW STD	0.048382	1002	1087452	0.940	27-May-04	10:40:32	11
8	27MAY04A 08	MID STD	0.10188	2174	1083666	0.518	27-May-04	10:44:05	11
9	27MAY04A 09	HIGH STD	0.49986	13601	1079698	0.158	27-May-04	10:47:38	11
10	27MAY04A 10	HIGH STD READBACK	0.50248	13546	1068160	0.140	27-May-04	10:51:12	11
11	27MAY04A 11	ICV	0.12750	2683	1050496	0.479	27-May-04	10:54:47	11
12	27MAY04A 12	ICB	0.0012762	34	1037367	12.234	27-May-04	11:03:21	11
13	27MAY04A 13	CRI	0.019754	400	1069696	2.105	27-May-04	11:08:56	11
14	27MAY04A 14	ICSA_AS_SE	0.0059228	143	1215305	3.695	27-May-04	11:12:30	11
15	27MAY04A 15	ICSAB_AS_SE	0.082406	2049	1279013	0.600	27-May-04	11:16:04	11
16	27MAY04A 16	ICSA	0.0028072	69	1137116	5.582	27-May-04	11:19:39	11
17	27MAY04A 17	ICSAB	0.097746	2245	1169573	0.480	27-May-04	11:23:15	11
18	27MAY04A 18	CCV	0.10368	2585	1264585	0.445	27-May-04	11:26:51	11
19	27MAY04A 19	CCB	0.0015436	47	1248512	9.637	27-May-04	11:30:26	11
20	27MAY04A 20	0405170-1 100X DNU	0.080231	1942	1246830	0.479	27-May-04	11:33:59	11
21	27MAY04A 21	0405170-1D 100X *	0.083947	2064	1263452	0.538	27-May-04	11:37:32	11
22	27MAY04A 22	0405170-1 10X DNU	0.79826	30061	1281701	0.080	27-May-04	11:41:05	11
23	27MAY04A 23	0405170-1D 10X	0.81933	31104	1279214	0.065	27-May-04	11:44:39	11
24	27MAY04A 24	0405170-1 10X_CEC	0.26981	7509	1265609	0.215	27-May-04	11:48:13	11
25	27MAY04A 25	0405170-1D 10X_CEC	0.30554	8658	1260142	0.185	27-May-04	11:51:48	11
26	27MAY04A 26	IP040521-3MB 10X	0.016407	398	1277970	2.623	27-May-04	11:55:23	11
27	27MAY04A 27	IM040521-3LCS 10X	0.10783	2745	1287607	0.509	27-May-04	11:58:58	11

DNU = do not use
* = use

000254

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 17: 203Tl

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	27MAY04A 28	0404190-1 1000X *	0.44010	13508	1259703	0.159	27-May-04	12:02:33	11
29	27MAY04A 29	0404190-1D 1000X DNU	0.39328	11716	1256412	0.160	27-May-04	12:06:09	11
30	27MAY04A 30	CCV	0.10587	2503	1197404	0.553	27-May-04	12:09:45	11
31	27MAY04A 31	CCB	0.0099895	231	1200256	3.236	27-May-04	12:13:20	11
32	27MAY04A 32	0404190-1 100X DNU	2.4955	160192	1206894	0.034	27-May-04	12:16:53	11
33	27MAY04A 33	0404190-1D 100X	2.4812	157783	1200128	0.032	27-May-04	12:20:27	11
34	27MAY04A 34	IP040521-3MB 10X_CEC (1)	0.088445	2130	1233920	1.001	27-May-04	12:24:00	11
35	27MAY04A 35	IM040521-3LCS 10X_..	0.10603	2595	1239442	0.642	27-May-04	12:27:35	11
36	27MAY04A 36	0404190-1 100X_CEC	2.1252	125080	1226277	0.030	27-May-04	12:31:08	11
37	27MAY04A 37	0404190-1D 100X_CEC	2.1903	128863	1202962	0.054	27-May-04	12:34:42	11
38	27MAY04A 38	IP040518-1MB 10X	0.048450	1026	1111881	1.095	27-May-04	12:38:17	11
39	27MAY04A 39	IM040518-1LCS 10X	0.030171	646	1132343	1.421	27-May-04	12:43:52	11
40	27MAY04A 40	0405058-1 10X	0.071370	1536	1114898	0.607	27-May-04	12:47:28	11
41	27MAY04A 41	0405058-1D 10X	0.065542	1472	1167671	0.601	27-May-04	12:51:04	11
42	27MAY04A 42	CCV	0.10516	2479	1194514	0.507	27-May-04	12:54:40	11
43	27MAY04A 43	CCB	0.012749	275	1129490	2.081	27-May-04	12:58:15	11
44	27MAY04A 44	0405058-1L 50X (1)	0.018953	412	1147776	1.479	27-May-04	13:01:47	11
45	27MAY04A 45	0405058-1MS 10X	0.051844	1086	1097856	0.937	27-May-04	13:05:22	11
46	27MAY04A 46	0405058-1MSD 10X	0.052845	1140	1130002	0.730	27-May-04	13:08:59	11
47	27MAY04A 47	0405058-2 10X	0.013180	307	1220882	2.080	27-May-04	13:12:34	11
48	27MAY04A 48	0405058-3 10X	0.011228	255	1184220	2.148	27-May-04	13:16:08	11
49	27MAY04A 49	IP040518-1MB 10X_CEC	0.0061843	142	1159552	3.260	27-May-04	13:19:42	11
50	27MAY04A 50	IM040518-1LCS 10X_..	0.0055596	126	1135031	3.795	27-May-04	13:23:16	11
51	27MAY04A 51	0405058-1 10X_CEC	0.027863	637	1209454	1.198	27-May-04	13:26:50	11
52	27MAY04A 52	0405058-1D 10X_CEC	0.030821	733	1257600	0.869	27-May-04	13:30:25	11
53	27MAY04A 53	0405058-1L 50X_CEC	0.010558	256	1261404	2.218	27-May-04	13:34:01	11
54	27MAY04A 54	CCV	0.093207	2087	1143644	0.547	27-May-04	13:37:36	11

* = use
DNU = do not use
(1) - No Tl needed

000255

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

Compound 17: 203Tl

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
55	27MAY04A 55	CCB	0.0044507	100	1102446	4.357	27-May-04	13:41:11	11
56	27MAY04A 56	0405058-1MS 10X_CEC	0.030016	696	1226332	1.169	27-May-04	13:44:45	11
57	27MAY04A 57	0405058-1MSD 10X_CEC	0.030688	731	1259630	1.047	27-May-04	13:48:21	11
58	27MAY04A 58	0405058-2 10X_CEC	0.0064924	153	1194240	2.987	27-May-04	13:51:57	11
59	27MAY04A 59	0405058-3 10X_CEC	0.0052912	126	1187657	4.083	27-May-04	13:55:34	11
60	27MAY04A 60	CCV	0.093116	2054	1126729	0.456	27-May-04	13:59:12	11
61	27MAY04A 61	CCB	0.0032306	75	1096357	5.470	27-May-04	14:02:47	11
62	27MAY04A 62	IP040521-3MB 10X	0.0021493	53	1088732	7.115	27-May-04	14:22:26	11
63	27MAY04A 63	IP040518-1MB_CEC	0.0037879	74	941623	6.077	27-May-04	14:25:57	11
64	27MAY04A 64	IM040518-1LCS_CEC	0.0067895	123	920887	3.570	27-May-04	14:29:29	11
65	27MAY04A 65	0405058-2_CEC	0.032251	568	930999	1.370	27-May-04	14:33:03	11
66	27MAY04A 66	0405058-3_CEC	0.022520	405	951077	1.829	27-May-04	14:36:36	11
67	27MAY04A 67	0404190-1 10X	9.0876	1549513	1170359	0.010	27-May-04	14:40:10	11
68	27MAY04A 68	CCV	0.73374	23441	1121865	0.283	27-May-04	14:43:43	11
69	27MAY04A 69	CCB	0.20734	4713	1076078	0.591	27-May-04	14:47:18	11
70	27MAY04A 70	0405170-1 100X	0.19418	4335	1066039	0.333	27-May-04	14:50:53	11
71	27MAY04A 71	0405170-1D 100X	0.15904	3502	1076242	0.486	27-May-04	14:54:27	11
72	27MAY04A 72	0405170-1 10X	0.84311	27524	1087836	0.091	27-May-04	14:58:01	11
73	27MAY04A 73	0405170-1D 10X	0.87504	29304	1099520	0.077	27-May-04	15:01:35	11
74	27MAY04A 74	0405170-1 10X_CEC	0.32004	8163	1124169	0.226	27-May-04	15:05:11	11
75	27MAY04A 75	0405170-1D 10X_CEC	0.30262	7551	1111625	0.194	27-May-04	15:08:46	11
76	27MAY04A 76	0404190-1 1000X	0.41783	10914	1085916	0.161	27-May-04	15:12:22	11
77	27MAY04A 77	0404190-1 100X	2.4814	142999	1087525	0.037	27-May-04	15:15:57	11
78	27MAY04A 78	0404190-1D 100X	2.4574	137897	1065692	0.037	27-May-04	15:19:30	11
79	27MAY04A 79	0404190-1 100X_CEC	2.1969	117576	1092224	0.030	27-May-04	15:23:03	11
80	27MAY04A 80	CCV	0.23162	5279	1062053	0.396	27-May-04	15:26:37	11
81	27MAY04A 81	CCB	0.058298	1159	1038135	0.792	27-May-04	15:30:10	11

Se only

No Tl needed
QC failures
due to
carryover

Quantify Compound Summary Report
27MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\27may04a
Last modified: Thu May 27 16:47:27 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\SEVEN+IS
Last modified: Thu May 27 17:20:24 2004
Job Code:

Printed: Thu May 27 17:21:23 2004

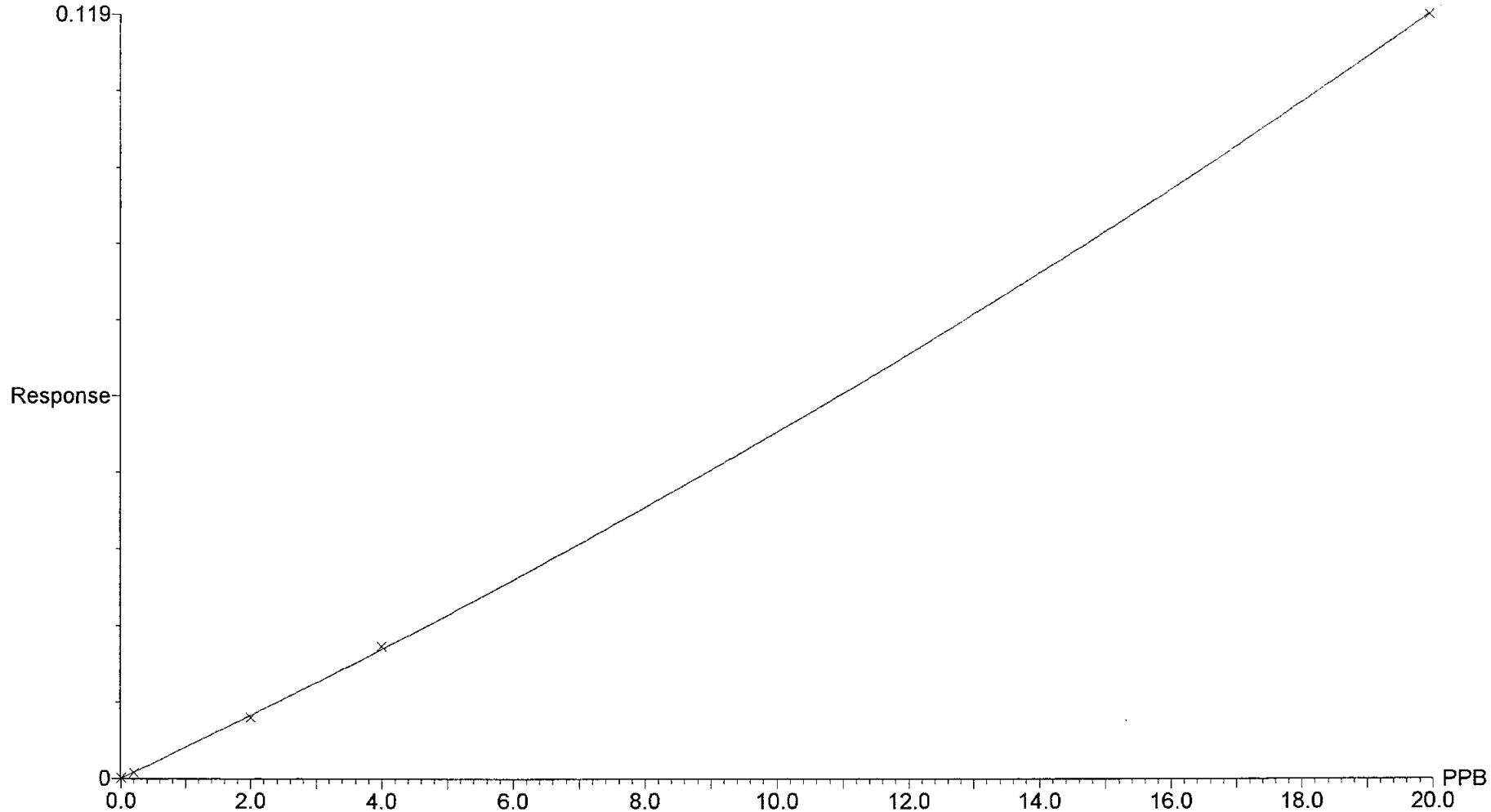
Compound 17: 203Tl

Asonly

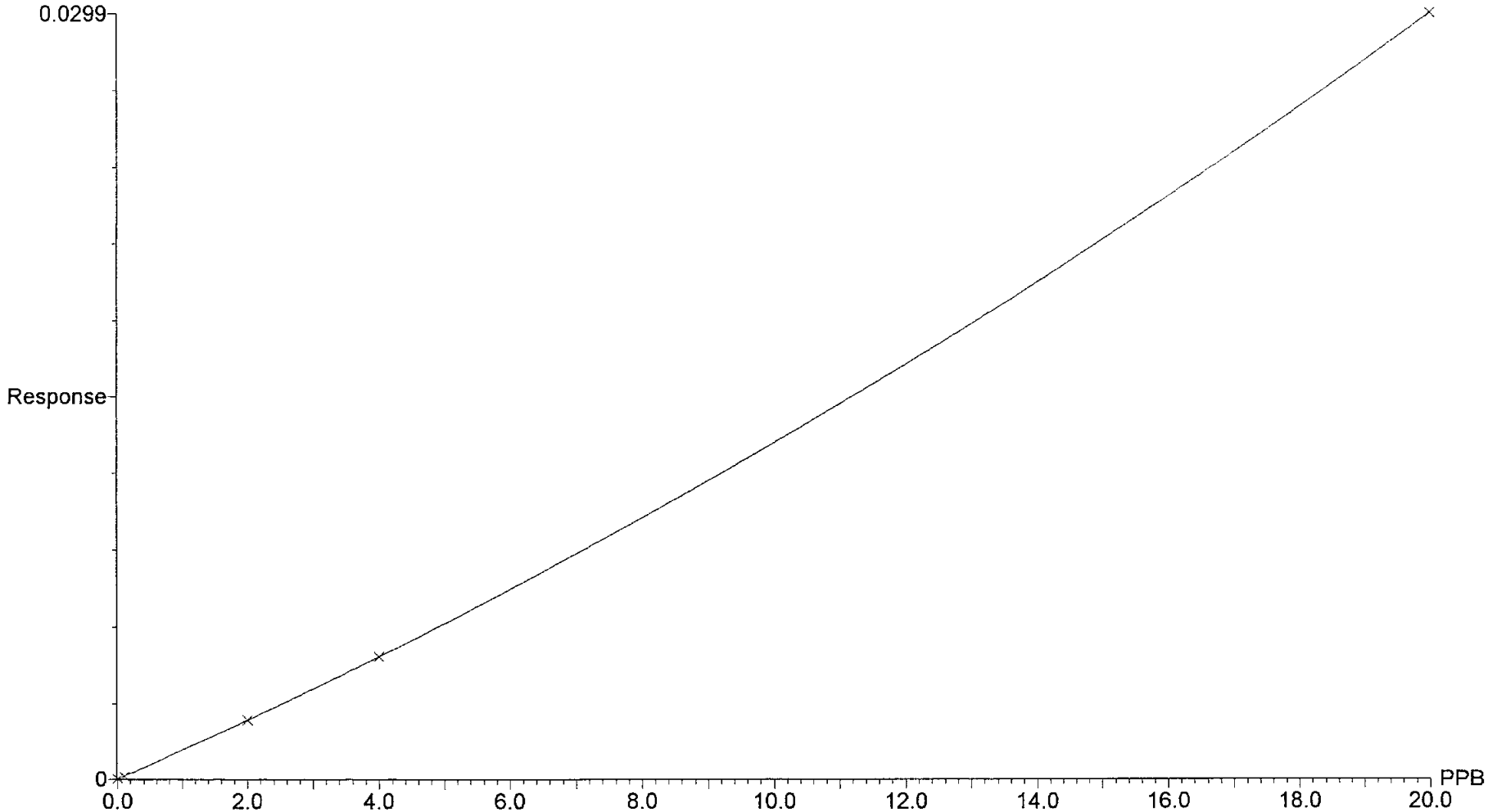
#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
82	27MAY04A 82	IP040527-21MB 10X	0.019285	375	1026926	1.732	27-May-04	15:44:51	11
83	27MAY04A 83	IP040527-21LCS 10X	0.11142	2403	1088274	0.436	27-May-04	15:48:23	11
84	27MAY04A 84	0405126-1 50X_CEC	0.021910	471	1136677	1.319	27-May-04	15:51:56	11
85	27MAY04A 85	0405126-2 50X_CEC	0.019869	428	1138030	1.267	27-May-04	15:55:28	11
86	27MAY04A 86	CCV	0.10592	2253	1077303	0.483	27-May-04	15:59:01	11
87	27MAY04A 87	CCB	0.014400	285	1039781	2.077	27-May-04	16:02:34	11
88	27MAY04A 88	IP040521-1MB 10X	0.014050	277	1035154	2.556	27-May-04	16:06:08	11
89	27MAY04A 89	IM040521-1LCS 10X	0.10161	2133	1066185	0.622	27-May-04	16:09:41	11
90	27MAY04A 90	0405095-1 10X	0.015998	328	1079607	2.191	27-May-04	16:13:15	11
91	27MAY04A 91	0405095-1D 10X	0.012419	252	1061687	2.453	27-May-04	16:16:50	11
92	27MAY04A 92	0405095-1L 10X	0.010546	210	1035886	2.667	27-May-04	16:20:24	11
93	27MAY04A 93	0405095-1MS 10X	0.090416	1831	1036233	0.607	27-May-04	16:23:59	11
94	27MAY04A 94	0405095-1MSD 10X	0.094417	1917	1036197	0.607	27-May-04	16:27:35	11
95	27MAY04A 95	0405095-4 10X	0.015098	308	1072896	1.932	27-May-04	16:31:10	11
96	27MAY04A 96	0405095-6 10X	0.011512	237	1074469	2.127	27-May-04	16:34:46	11
97	27MAY04A 97	CCV	0.098726	2021	1041756	0.593	27-May-04	16:38:21	11
98	27MAY04A 98	CCB	0.0076729	149	994688	3.328	27-May-04	16:47:43	11
99	27MAY04A 99	RINSE							

000257

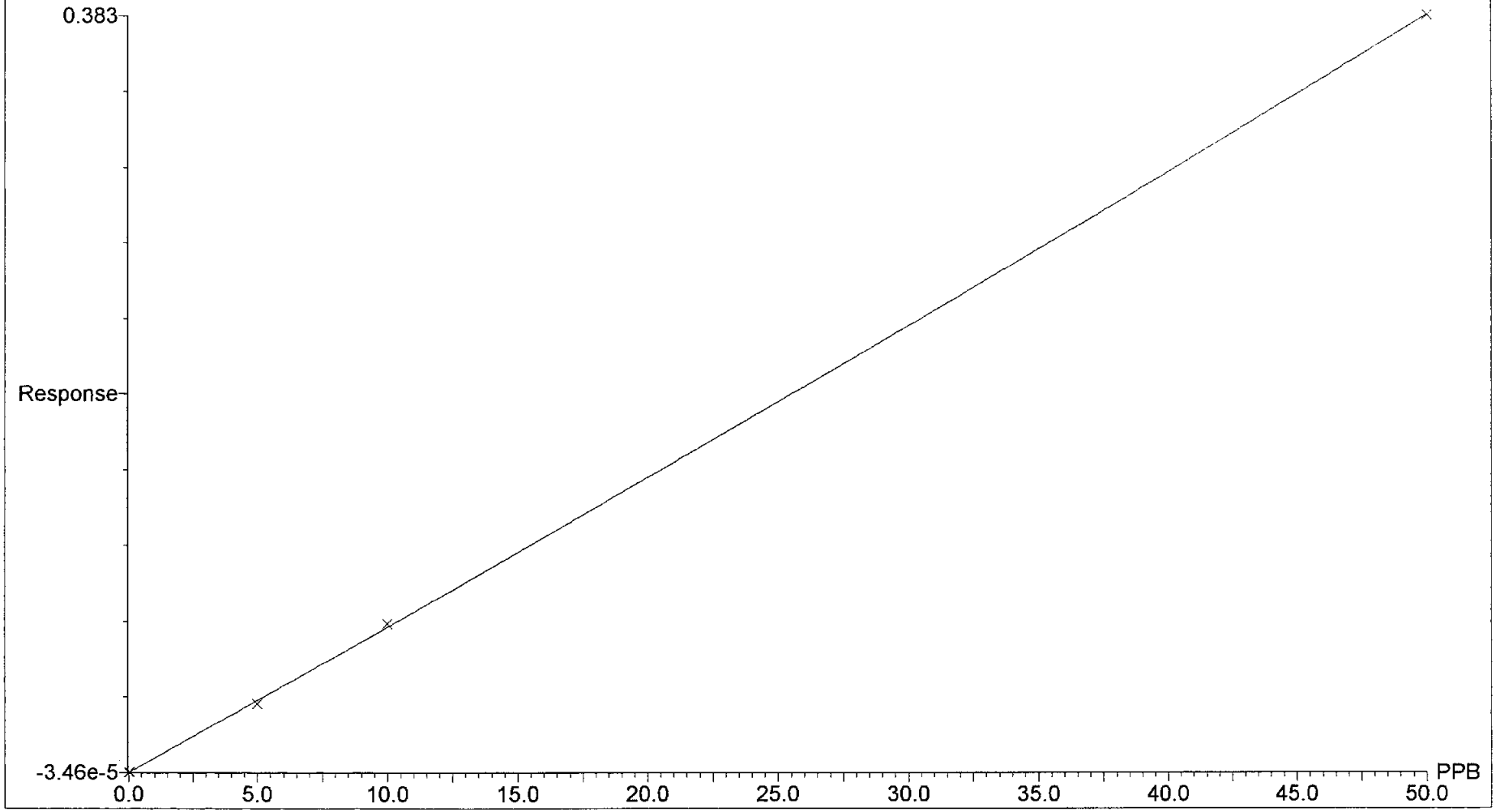
Compound 3 name: 75As
Coefficient of Determination: 0.999966
Calibration curve: 5.68426e-5 * x^2 + 0.00479539 * x + 7.99544e-6
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



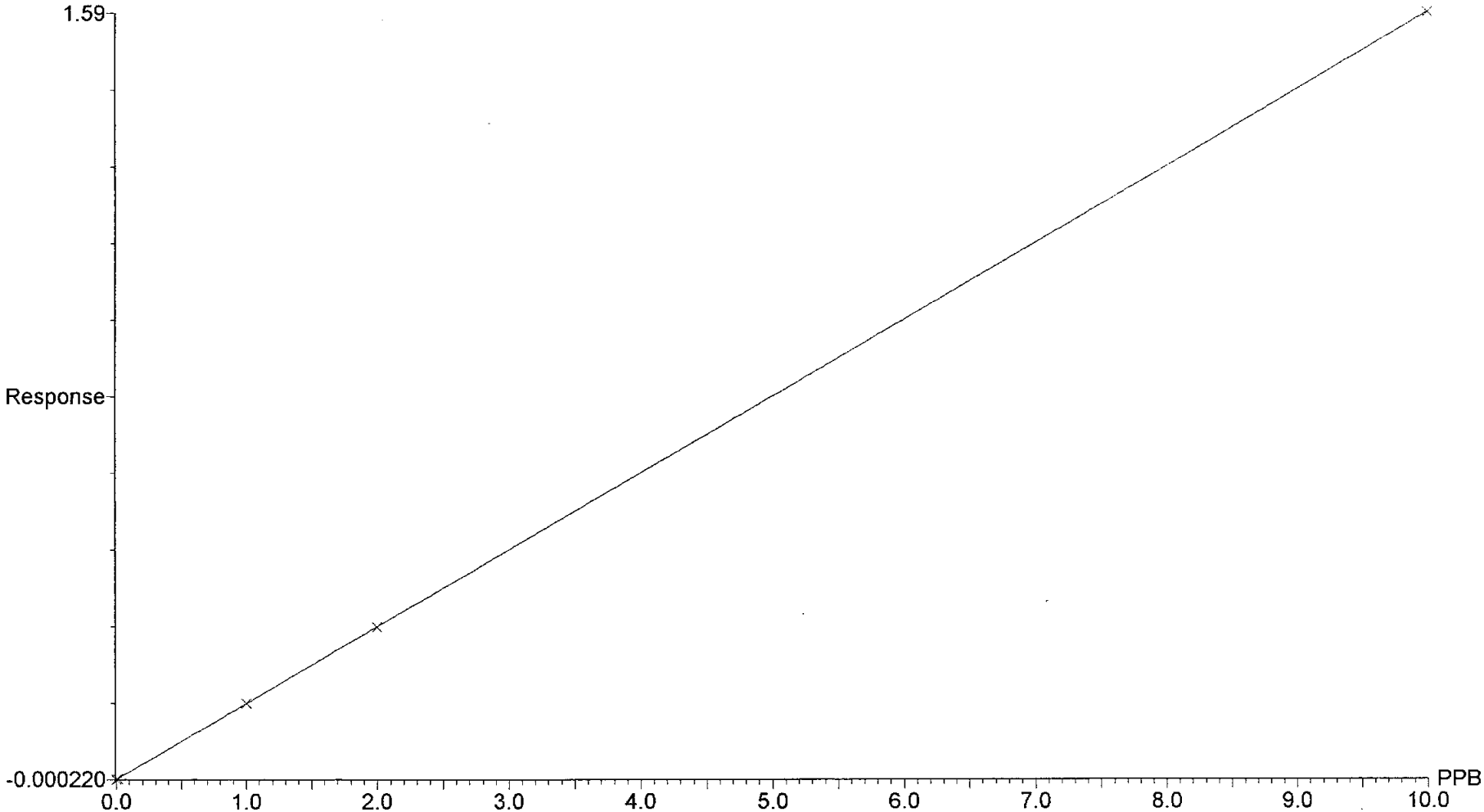
Compound 4 name: 78Se
Coefficient of Determination: 0.999999
Calibration curve: 1.81857e-5 * x^2 + 0.00112996 * x + 1.01829e-5
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



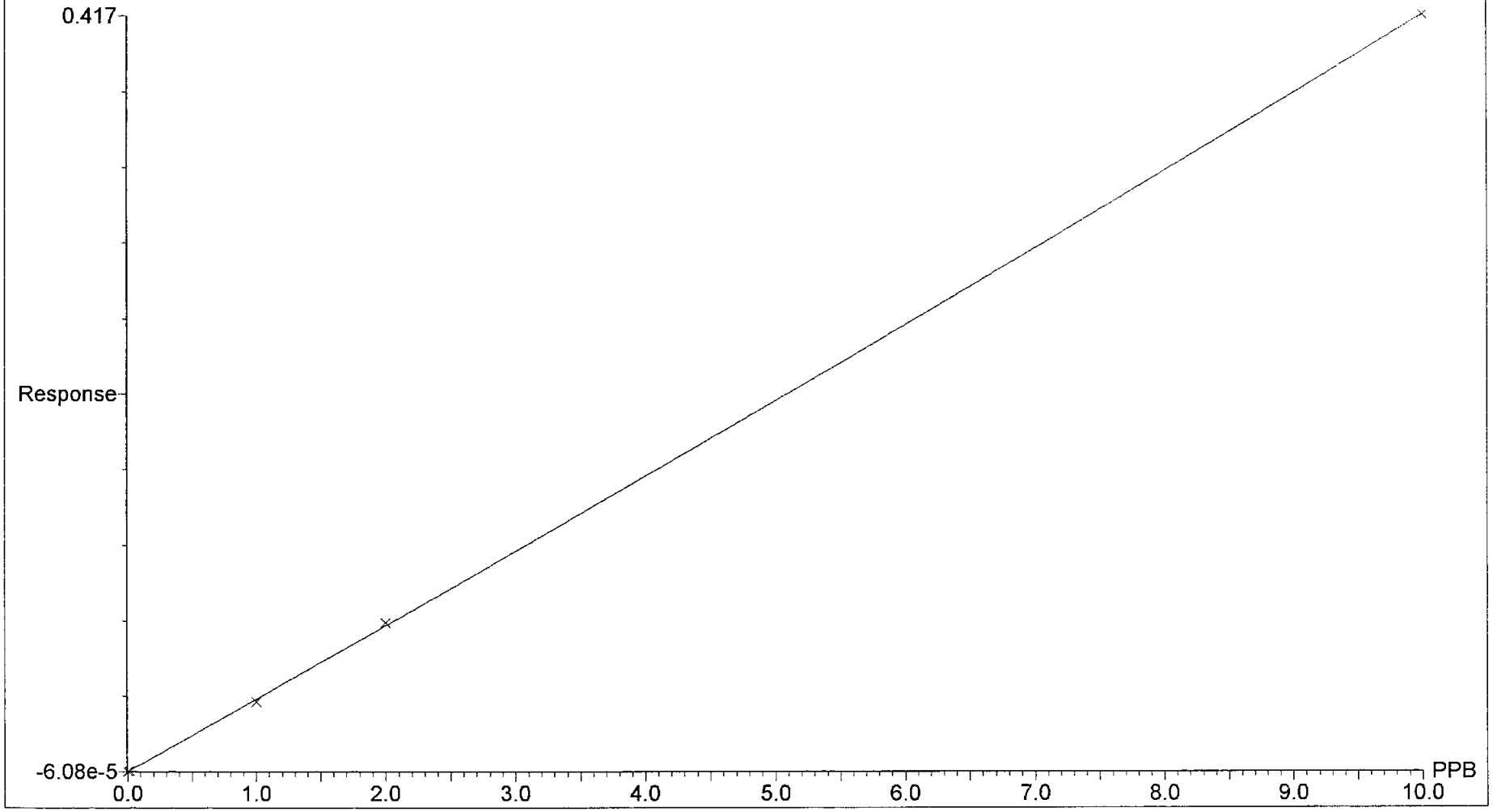
Compound 10 name: 0Cadmium
Coefficient of Determination: 0.999943
Calibration curve: 7.01589e-6 * x^2 + 0.00730840 * x + -3.45936e-5
Response type: Internal Std (Ref 1), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



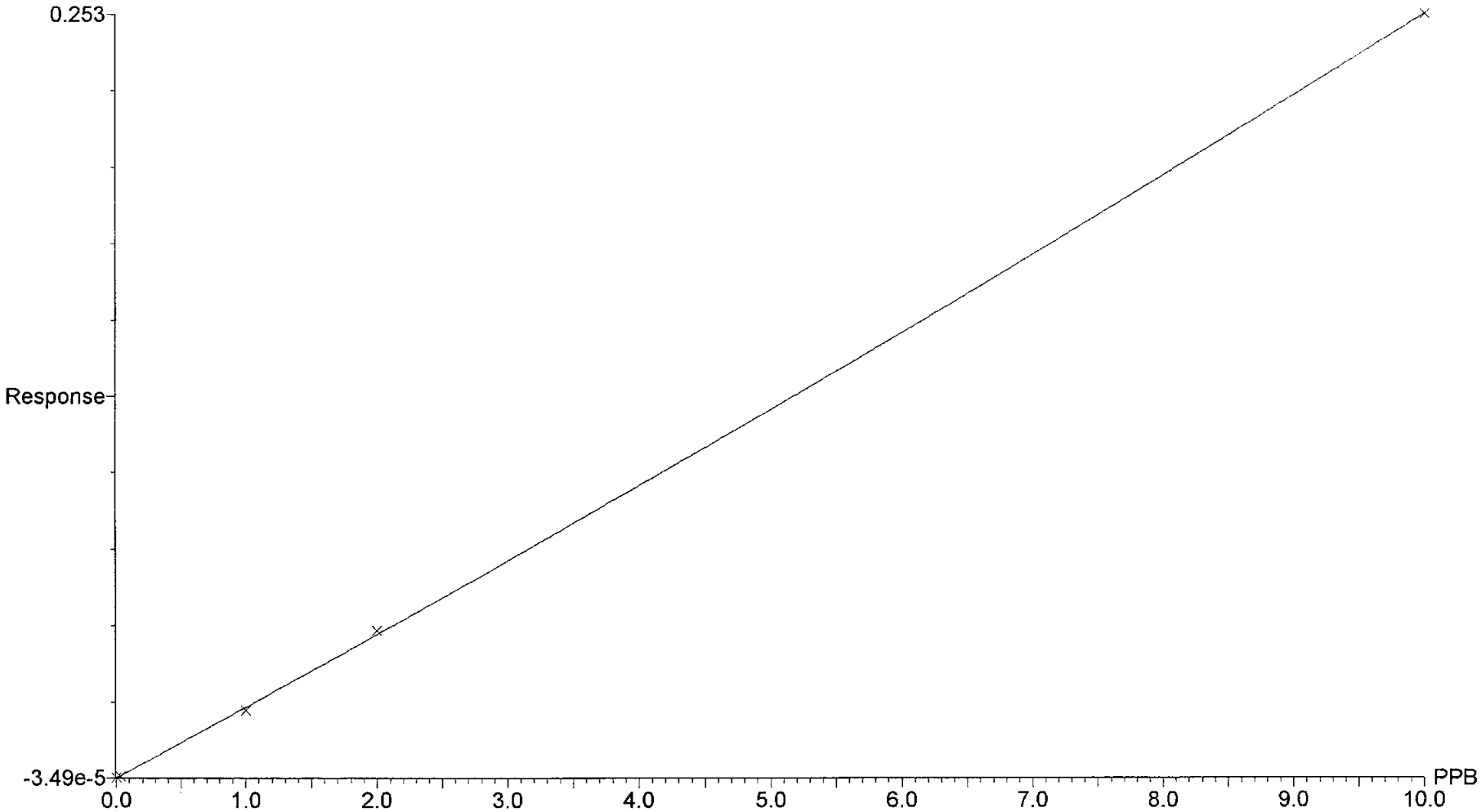
Compound 12 name: 238U
Coefficient of Determination: 1.000000
Calibration curve: 8.55016e-6 * x^2 + 0.158836 * x + -0.000220210
Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



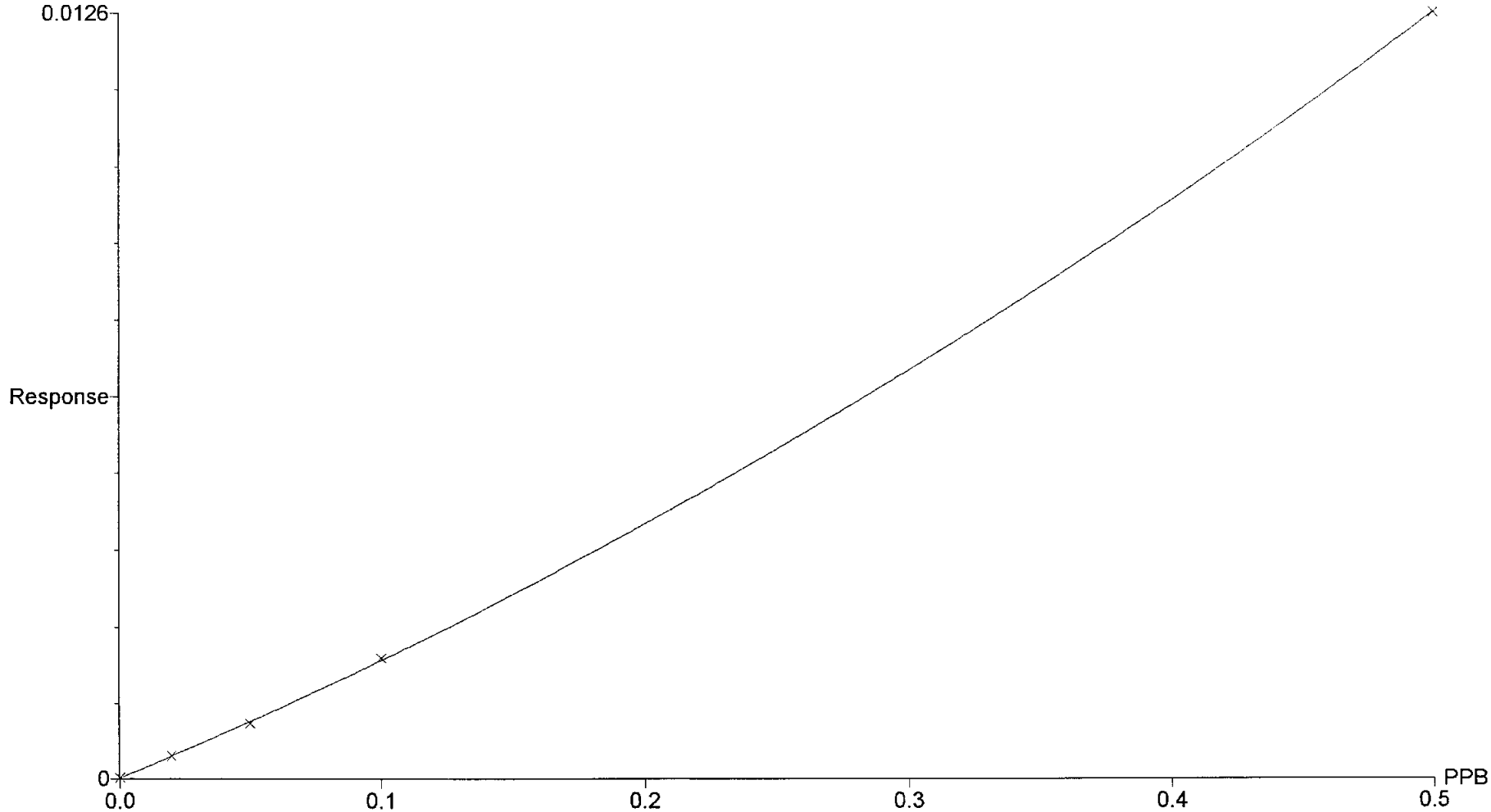
Compound 13 name: 107Ag
Coefficient of Determination: 0.999957
Calibration curve: 0.000172754 * x^2 + 0.0399786 * x + -6.07501e-5
Response type: Internal Std (Ref 1), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Compound 15 name: 121Sb
Coefficient of Determination: 0.999938
Calibration curve: 0.000186019 * x^2 + 0.0234865 * x + -3.49419e-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 17 name: 203Tl
Coefficient of Determination: 0.999977
Calibration curve: 0.0140322 * x^2 + 0.0181680 * x + 9.57760e-6
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 MS040528A REM

Reviewed SW 6/4/04

STANDARD SOLUTIONS

ST030710-3 (EXPIRES: 06/01/04) = 40PPM - Al; 10PPM - Pb; 2PPM - Mo.

CALIBRATION STANDARDS

HIGH STD (200ppb - Al; 50ppb - Pb; 10ppb - Mo.) Made daily by diluting (ST030710-3) 200 fold, (0.05ml up to a 10 ml final volume).
MID LEVEL STD (40ppb - Al; 10ppb - Pb; 2ppb - Mo.) Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST030710-3).
LOW LEVEL STD (20ppb - Al; 5ppb - Pb; 1ppb – Mo.) Made daily by diluting 1.0ml of the HIGH STD calibration standard up to a 10ml final volume, (2000 fold dilution of ST030710-3).
RL STD (Al and Mo)- 2ppb - Al; 0.1ppb – Mo. Made daily by diluting 1.0ml of the LOW LEVEL STD above up to a 10ml final volume, (20,000 fold dilution of ST030710-3).
RL STD (Pb)- 0.05ppb – Pb. Made daily by diluting 0.1ml of the LOW LEVEL STD above up to a 10ml final volume, (200,000 fold dilution of ST030710-3).

INTERFERENCE CHECK SOLUTIONS

ICSA (Pb) 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 (Pb) 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 ST030710-3.) 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
Pb	0.01

ICSA (Mo) – Direct analysis of (ST030710-4 Expires 06-01-04). 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 (ST030710-7--EXPIRES: 08/16/04) up to a 10ml final volume with ICSA (Mo) solution above (ST030710-4 Expires 06-01-04). (This solution is a 250 fold dilution of ST030710-7.) 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

CALIBRATION CHECK STANDARDS

ICV Made daily by diluting ICV second source intermediate (ST030710-7--EXPIRES: 08/16/04) 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
Pb	12.5
Mo	2.5

CCV Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST030710-3). The CCV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	40
Pb	10
Mo	2

CRI Re-analysis of the RL STDs (made daily as described above). The CRI working solutions contains the following elements and concentrations:

Element	Concentration (ppb)
Al	2
Pb	0.05
Mo	0.1

BLANK

ICB / CCB and all diluent – 1% HNO_3, 1% HCl in double deionized water.

INTERNAL STANDARDS

Internal Standard Intermediate (ST040301-9--EXPIRES: 06/01/04) contains 500 ppb each of Bi, Rh, In, Ga, Pt, and 2,000ppb of Be. 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 5 ppb.

ACID LOT NUMBERS

HNO_3 – 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

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
None in this sequence.

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 ST030710-8) 1,000 fold. (0.1ml up to a 100ml final volume.)

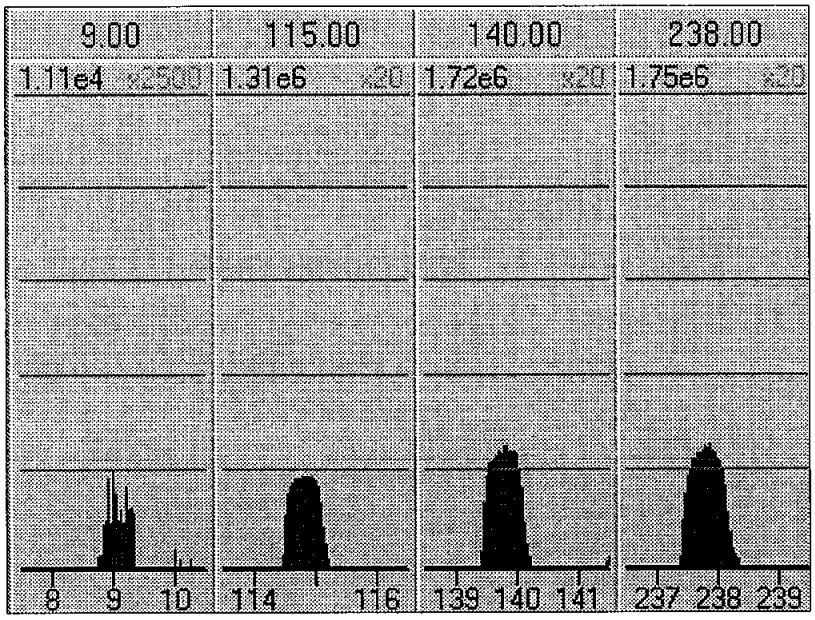
The IDL / MDL working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	1
Pb	0.04
Mo	0.02

Tuning Method Report

Method: C:\MASSLYNX\AUG2002.PRO\ACQUDB\14AUGJTF TUNE

Printed: Fri May 28 13:27:34 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	2.34	2.27
Y-Axis	-0.55	-0.55
Z-Axis	-0.42	-0.41
Forward Power	1350	1341

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	0.38
Laser Gas	0.00	0.28

Quantify Compound Summary Report
28MAY04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 28MAY04A
Last modified: Fri May 28 13:27:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Fri May 28 13:45:03 2004

Compound 1: 9Be

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	28MAY04 01			7446		0.248	28-May-(
2	28MAY04 02			7467		0.200	28-May-(
3	28MAY04 03			7374		0.200	28-May-(
4	28MAY04 04			7335		0.201	28-May-(
5	28MAY04 05			7347		0.188	28-May-(
6	28MAY04 06			7531		0.224	28-May-(
7	28MAY04 07			7194		0.226	28-May-(
8	28MAY04 08			6325		0.207	28-May-(
9	28MAY04 09			6905		0.222	28-May-(
10	28MAY04 10			6897		0.243	28-May-(
11	28MAY04 11			6262		0.228	28-May-(
12	28MAY04 12			6238		0.206	28-May-(
13	28MAY04 13			6352		0.325	28-May-(
14	28MAY04 14			6367		0.232	28-May-(
15	28MAY04 15			6270		0.202	28-May-(
16	28MAY04 16						
17	28MAY04 17						
18	28MAY04 18						
19	28MAY04 19						
20	28MAY04 20						
21	28MAY04 21						
22	28MAY04 22						
23	28MAY04 23						
24	28MAY04 24						
25	28MAY04 25						
26	28MAY04 26						
27	28MAY04 27						
28	28MAY04 28						
29	28MAY04 29						
30	28MAY04 30						

Quantify Compound Summary Report
28MAY04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 28MAY04A
Last modified: Fri May 28 13:27:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Fri May 28 13:45:03 2004

Compound 2: 24Mg

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	28MAY04 01			87943		0.038	28-May-(
2	28MAY04 02			87813		0.044	28-May-(
3	28MAY04 03			87392		0.044	28-May-(
4	28MAY04 04			87805		0.050	28-May-(
5	28MAY04 05			88216		0.041	28-May-(
6	28MAY04 06			87575		0.038	28-May-(
7	28MAY04 07			85188		0.036	28-May-(
8	28MAY04 08			79610		0.041	28-May-(
9	28MAY04 09			81561		0.047	28-May-(
10	28MAY04 10			82033		0.050	28-May-(
11	28MAY04 11			77530		0.046	28-May-(
12	28MAY04 12			78496		0.043	28-May-(
13	28MAY04 13			78672		0.044	28-May-(
14	28MAY04 14			79946		0.044	28-May-(
15	28MAY04 15			79900		0.044	28-May-(
16	28MAY04 16						
17	28MAY04 17						
18	28MAY04 18						
19	28MAY04 19						
20	28MAY04 20						
21	28MAY04 21						
22	28MAY04 22						
23	28MAY04 23						
24	28MAY04 24						
25	28MAY04 25						
26	28MAY04 26						
27	28MAY04 27						
28	28MAY04 28						
29	28MAY04 29						
30	28MAY04 30						

Quantify Compound Summary Report
28MAY04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 28MAY04A
Last modified: Fri May 28 13:27:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Fri May 28 13:45:03 2004

Compound 3: 59Co

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	28MAY04 01			468597		0.016	28-May-(
2	28MAY04 02			469978		0.013	28-May-(
3	28MAY04 03			465144		0.014	28-May-(
4	28MAY04 04			464768		0.015	28-May-(
5	28MAY04 05			463793		0.013	28-May-(
6	28MAY04 06			462596		0.015	28-May-(
7	28MAY04 07			449860		0.015	28-May-(
8	28MAY04 08			425743		0.018	28-May-(
9	28MAY04 09			424983		0.017	28-May-(
10	28MAY04 10			423014		0.021	28-May-(
11	28MAY04 11			411384		0.017	28-May-(
12	28MAY04 12			412183		0.019	28-May-(
13	28MAY04 13			413948		0.017	28-May-(
14	28MAY04 14			416945		0.017	28-May-(
15	28MAY04 15			416422		0.018	28-May-(
16	28MAY04 16						
17	28MAY04 17						
18	28MAY04 18						
19	28MAY04 19						
20	28MAY04 20						
21	28MAY04 21						
22	28MAY04 22						
23	28MAY04 23						
24	28MAY04 24						
25	28MAY04 25						
26	28MAY04 26						
27	28MAY04 27						
28	28MAY04 28						
29	28MAY04 29						
30	28MAY04 30						

Quantify Compound Summary Report
28MAY04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 28MAY04A
Last modified: Fri May 28 13:27:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Fri May 28 13:45:03 2004

Compound 4: 60Ni

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	28MAY04 01			89714		0.041	28-May-(
2	28MAY04 02			89581		0.036	28-May-(
3	28MAY04 03			87920		0.035	28-May-(
4	28MAY04 04			88614		0.037	28-May-(
5	28MAY04 05			87910		0.034	28-May-(
6	28MAY04 06			87654		0.040	28-May-(
7	28MAY04 07			85658		0.045	28-May-(
8	28MAY04 08			79270		0.046	28-May-(
9	28MAY04 09			79958		0.048	28-May-(
10	28MAY04 10			79194		0.046	28-May-(
11	28MAY04 11			76128		0.046	28-May-(
12	28MAY04 12			75727		0.048	28-May-(
13	28MAY04 13			75624		0.048	28-May-(
14	28MAY04 14			76160		0.048	28-May-(
15	28MAY04 15			76590		0.046	28-May-(
16	28MAY04 16						
17	28MAY04 17						
18	28MAY04 18						
19	28MAY04 19						
20	28MAY04 20						
21	28MAY04 21						
22	28MAY04 22						
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24	28MAY04 24						
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26	28MAY04 26						
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28	28MAY04 28						
29	28MAY04 29						
30	28MAY04 30						

Quantify Compound Summary Report
28MAY04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 28MAY04A
Last modified: Fri May 28 13:27:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Fri May 28 13:45:03 2004

Compound 5: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	28MAY04 01			1218334		0.008	28-May-(
2	28MAY04 02			1219238		0.008	28-May-(
3	28MAY04 03			1206844		0.006	28-May-(
4	28MAY04 04			1208124		0.008	28-May-(
5	28MAY04 05			1204450		0.007	28-May-(
6	28MAY04 06			1199993		0.006	28-May-(
7	28MAY04 07			1169995		0.007	28-May-(
8	28MAY04 08			1117545		0.009	28-May-(
9	28MAY04 09			1105950		0.008	28-May-(
10	28MAY04 10			1100619		0.008	28-May-(
11	28MAY04 11			1083979		0.010	28-May-(
12	28MAY04 12			1076616		0.009	28-May-(
13	28MAY04 13			1080094		0.009	28-May-(
14	28MAY04 14			1088904		0.009	28-May-(
15	28MAY04 15			1087729		0.009	28-May-(
16	28MAY04 16						
17	28MAY04 17						
18	28MAY04 18						
19	28MAY04 19						
20	28MAY04 20						
21	28MAY04 21						
22	28MAY04 22						
23	28MAY04 23						
24	28MAY04 24						
25	28MAY04 25						
26	28MAY04 26						
27	28MAY04 27						
28	28MAY04 28						
29	28MAY04 29						
30	28MAY04 30						

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 28MAY04A
Last modified: Fri May 28 13:27:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Fri May 28 13:45:03 2004

Compound 6: 140Ce

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	28MAY04 01			1612800		0.006	28-May-(
2	28MAY04 02			1613538		0.006	28-May-(
3	28MAY04 03			1599895		0.006	28-May-(
4	28MAY04 04			1601385		0.006	28-May-(
5	28MAY04 05			1594654		0.007	28-May-(
6	28MAY04 06			1596341		0.006	28-May-(
7	28MAY04 07			1553544		0.007	28-May-(
8	28MAY04 08			1484559		0.007	28-May-(
9	28MAY04 09			1475765		0.007	28-May-(
10	28MAY04 10			1469817		0.006	28-May-(
11	28MAY04 11			1449261		0.006	28-May-(
12	28MAY04 12			1448945		0.007	28-May-(
13	28MAY04 13			1453237		0.006	28-May-(
14	28MAY04 14			1464727		0.008	28-May-(
15	28MAY04 15			1465705		0.009	28-May-(
16	28MAY04 16						
17	28MAY04 17						
18	28MAY04 18						
19	28MAY04 19						
20	28MAY04 20						
21	28MAY04 21						
22	28MAY04 22						
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25	28MAY04 25						
26	28MAY04 26						
27	28MAY04 27						
28	28MAY04 28						
29	28MAY04 29						
30	28MAY04 30						

Quantify Compound Summary Report
28MAY04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 28MAY04A
Last modified: Fri May 28 13:27:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Fri May 28 13:45:03 2004

Compound 7: 140CeO

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	28MAY04 01			76245		0.067	28-May-(
2	28MAY04 02			77046		0.076	28-May-(
3	28MAY04 03			77467		0.067	28-May-(
4	28MAY04 04			78113		0.063	28-May-(
5	28MAY04 05			78696		0.077	28-May-(
6	28MAY04 06			79246		0.069	28-May-(
7	28MAY04 07			75000		0.069	28-May-(
8	28MAY04 08			67664		0.084	28-May-(
9	28MAY04 09			68989		0.075	28-May-(
10	28MAY04 10			67032		0.078	28-May-(
11	28MAY04 11			62028		0.076	28-May-(
12	28MAY04 12			61480		0.065	28-May-(
13	28MAY04 13			61505		0.087	28-May-(
14	28MAY04 14			61055		0.090	28-May-(
15	28MAY04 15			63432		0.075	28-May-(
16	28MAY04 16						
17	28MAY04 17						
18	28MAY04 18						
19	28MAY04 19						
20	28MAY04 20						
21	28MAY04 21						
22	28MAY04 22						
23	28MAY04 23						
24	28MAY04 24						
25	28MAY04 25						
26	28MAY04 26						
27	28MAY04 27						
28	28MAY04 28						
29	28MAY04 29						
30	28MAY04 30						

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 28MAY04A
Last modified: Fri May 28 13:27:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Fri May 28 13:45:03 2004

Compound 11: Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	28MAY04 01			1210483		0.000	28-May-(
2	28MAY04 02			1213625		0.000	28-May-(
3	28MAY04 03			1208307		0.000	28-May-(
4	28MAY04 04			1208448		0.000	28-May-(
5	28MAY04 05			1208754		0.000	28-May-(
6	28MAY04 06			1212010		0.000	28-May-(
7	28MAY04 07			1182912		0.000	28-May-(
8	28MAY04 08			1134364		0.000	28-May-(
9	28MAY04 09			1129305		0.000	28-May-(
10	28MAY04 10			1124559		0.000	28-May-(
11	28MAY04 11			1107542		0.000	28-May-(
12	28MAY04 12			1107469		0.000	28-May-(
13	28MAY04 13			1112710		0.000	28-May-(
14	28MAY04 14			1125234		0.000	28-May-(
15	28MAY04 15			1130072		0.000	28-May-(
16	28MAY04 16						
17	28MAY04 17						
18	28MAY04 18						
19	28MAY04 19						
20	28MAY04 20						
21	28MAY04 21						
22	28MAY04 22						
23	28MAY04 23						
24	28MAY04 24						
25	28MAY04 25						
26	28MAY04 26						
27	28MAY04 27						
28	28MAY04 28						
29	28MAY04 29						
30	28MAY04 30						

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 28MAY04A
Last modified: Fri May 28 13:27:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Fri May 28 13:45:03 2004

Compound 12: 209Bi

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	28MAY04 01			1045594		0.009	28-May-(
2	28MAY04 02			1045715		0.008	28-May-(
3	28MAY04 03			1042914		0.009	28-May-(
4	28MAY04 04			1042809		0.007	28-May-(
5	28MAY04 05			1040730		0.009	28-May-(
6	28MAY04 06			1044585		0.008	28-May-(
7	28MAY04 07			1020567		0.008	28-May-(
8	28MAY04 08			982664		0.010	28-May-(
9	28MAY04 09			973327		0.010	28-May-(
10	28MAY04 10			974095		0.010	28-May-(
11	28MAY04 11			959172		0.009	28-May-(
12	28MAY04 12			956160		0.009	28-May-(
13	28MAY04 13			968026		0.009	28-May-(
14	28MAY04 14			973086		0.011	28-May-(
15	28MAY04 15			980194		0.010	28-May-(
16	28MAY04 16						
17	28MAY04 17						
18	28MAY04 18						
19	28MAY04 19						
20	28MAY04 20						
21	28MAY04 21						
22	28MAY04 22						
23	28MAY04 23						
24	28MAY04 24						
25	28MAY04 25						
26	28MAY04 26						
27	28MAY04 27						
28	28MAY04 28						
29	28MAY04 29						
30	28MAY04 30						

Quantify Compound Summary Report
28MAY04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 28MAY04A
Last modified: Fri May 28 13:27:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Fri May 28 13:45:03 2004

Compound 13: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	28MAY04 01			1661651		0.007	28-May-(
2	28MAY04 02			1670310		0.007	28-May-(
3	28MAY04 03			1663518		0.007	28-May-(
4	28MAY04 04			1659241		0.007	28-May-(
5	28MAY04 05			1659016		0.007	28-May-(
6	28MAY04 06			1651381		0.006	28-May-(
7	28MAY04 07			1617649		0.007	28-May-(
8	28MAY04 08			1560049		0.007	28-May-(
9	28MAY04 09			1557143		0.008	28-May-(
10	28MAY04 10			1545517		0.007	28-May-(
11	28MAY04 11			1531121		0.008	28-May-(
12	28MAY04 12			1532868		0.007	28-May-(
13	28MAY04 13			1543258		0.007	28-May-(
14	28MAY04 14			1551526		0.008	28-May-(
15	28MAY04 15			1561449		0.009	28-May-(
16	28MAY04 16						
17	28MAY04 17						
18	28MAY04 18						
19	28MAY04 19						
20	28MAY04 20						
21	28MAY04 21						
22	28MAY04 22						
23	28MAY04 23						
24	28MAY04 24						
25	28MAY04 25						
26	28MAY04 26						
27	28MAY04 27						
28	28MAY04 28						
29	28MAY04 29						
30	28MAY04 30						

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 28MAY04A
Last modified: Fri May 28 13:27:39 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Fri May 28 13:45:03 2004

Compound 14: 220BKGD

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	28MAY04 01			1		168.748	28-May-(
2	28MAY04 02			1		127.013	28-May-(
3	28MAY04 03						
4	28MAY04 04			1		138.232	28-May-(
5	28MAY04 05			1		168.598	28-May-(
6	28MAY04 06			1		126.922	28-May-(
7	28MAY04 07			3		57.800	28-May-(
8	28MAY04 08			1		108.854	28-May-(
9	28MAY04 09						
10	28MAY04 10			1		137.855	28-May-(
11	28MAY04 11			1		108.680	28-May-(
12	28MAY04 12			1		108.166	28-May-(
13	28MAY04 13			1		126.804	28-May-(
14	28MAY04 14			1		153.542	28-May-(
15	28MAY04 15			1		137.854	28-May-(
16	28MAY04 16						
17	28MAY04 17						
18	28MAY04 18						
19	28MAY04 19						
20	28MAY04 20						
21	28MAY04 21						
22	28MAY04 22						
23	28MAY04 23						
24	28MAY04 24						
25	28MAY04 25						
26	28MAY04 26						
27	28MAY04 27						
28	28MAY04 28						
29	28MAY04 29						
30	28MAY04 30						

Quantify Compound Summary Report
28MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\28may04a
Last modified: Fri May 28 15:23:03 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL +IS
Last modified: Fri May 28 15:47:01 2004
Job Code:

Printed: Fri May 28 15:55:17 2004

Compound 1: 27Al

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	28MAY04A 01	RINSE	0.75623	7893	469347	0.230	28-May-04	13:51:08	5
2	28MAY04A 02	RINSE	0.76629	7819	457220	0.226	28-May-04	13:53:17	5
3	28MAY04A 03	RINSE	0.77749	7560	434046	0.399	28-May-04	13:56:22	5
4	28MAY04A 04	RINSE	0.79325	7602	425582	0.254	28-May-04	13:59:26	5
5	28MAY04A 05	0 STD (ALL)	0.79115	7772	436548	0.246	28-May-04	14:02:32	5
6	28MAY04A 06	0.1(MO)_ 2 (AL) STD	1.1432	12606	454312	0.155	28-May-04	14:05:37	5
7	28MAY04A 07	LOW STD (ALL)	20.321	250860	441911	0.023	28-May-04	14:08:42	5
8	28MAY04A 08	MID STD (ALL)	40.711	513154	450948	0.019	28-May-04	14:11:48	5
9	28MAY04A 09	HIGH STD (ALL)	199.82	2675536	490516	0.005	28-May-04	14:14:54	5
10	28MAY04A 10	HIGH STD READBACK	199.95	2588743	474306	0.005	28-May-04	14:18:01	5
11	28MAY04A 11	ICV	52.395	683847	467436	0.011	28-May-04	14:21:08	5
12	28MAY04A 12	ICB	0.88386	9387	459652	0.298	28-May-04	14:29:15	5
13	28MAY04A 13	CRI (AL_MO)	1.1982	13527	461661	0.176	28-May-04	14:34:22	5
14	28MAY04A 14	IP040521-1MB 10X *	2.7531	35053	478846	0.081	28-May-04	14:37:29	5
15	28MAY04A 15	IP040521-1LCS 10X	40.424	523889	463640	0.029	28-May-04	14:40:34	5
16	28MAY04A 16	0405095-1 10X	11.242	137546	440157	0.039	28-May-04	14:43:40	5
17	28MAY04A 17	0405095-1D 10X	10.205	130404	460303	0.043	28-May-04	14:46:46	5
18	28MAY04A 18	0405095-1L 50X	3.0227	35857	443692	0.089	28-May-04	14:49:53	5
19	28MAY04A 19	0405095-1MS 10X	57.195	746443	467655	0.011	28-May-04	14:53:00	5
20	28MAY04A 20	0405095-1MSD 10X	49.023	645111	471117	0.011	28-May-04	14:56:07	5
21	28MAY04A 21	0405095-4 10X	29.382	399433	486177	0.016	28-May-04	14:59:14	5
22	28MAY04A 22	0405095-6 10X	14.493	191799	474803	0.025	28-May-04	15:02:22	5
23	28MAY04A 23	CCV	40.842	497015	435363	0.014	28-May-04	15:05:31	5
24	28MAY04A 24	CCB	0.91139	8215	387505	0.304	28-May-04	15:08:39	5
25	28MAY04A 25	IP040528-3MB 10X	0.64644	6146	448097	0.310	28-May-04	15:23:23	5
26	28MAY04A 26	IP040528-3LCS 10X	40.939	526897	460447	0.013	28-May-04	15:26:29	5
27	28MAY04A 27	0405095-6 10X	12.562	164871	471528	0.035	28-May-04	15:29:38	5

* = do not use - MB contamination.
REM 5-28-04 ~~regi~~ redigested and reanalyzed.

000281

Quantify Compound Summary Report
28MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\28may04a
Last modified: Fri May 28 15:23:03 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL +IS
Last modified: Fri May 28 15:47:01 2004
Job Code:

Printed: Fri May 28 15:55:17 2004

Compound 1: 27Al

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	28MAY04A 28	0405095-6D 10X	12.585	164632	469981	0.026	28-May-04	15:32:47	5
29	28MAY04A 29	0405095-6L 50X	3.7583	46218	455016	0.072	28-May-04	15:35:54	5
30	28MAY04A 30	0405095-6MS 10X	53.541	707284	473167	0.013	28-May-04	15:39:00	5
31	28MAY04A 31	0405095-6MSD 10X	54.246	668999	441770	0.012	28-May-04	15:42:07	5
32	28MAY04A 32	0405095-4 10X	28.595	381294	476890	0.029	28-May-04	15:45:15	5
33	28MAY04A 33	CCV	40.717	519903	456803	0.015	28-May-04	15:48:21	5
34	28MAY04A 34	CCB	0.85061	8688	445932	0.315	28-May-04	15:51:29	5
35	28MAY04A 35	RINSE							

Quantify Compound Summary Report
28MAY04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\28may04a
Last modified: Fri May 28 15:23:03 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL +IS
Last modified: Fri May 28 15:47:01 2004
Job Code:

Printed: Fri May 28 15:55:17 2004

Compound 5: 71Ga

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	28MAY04A 01	RINSE	1.0319	469347		0.015	28-May-04	13:51:08	0
2	28MAY04A 02	RINSE	1.0052	457220		0.014	28-May-04	13:53:17	0
3	28MAY04A 03	RINSE	0.95427	434046		0.016	28-May-04	13:56:22	0
4	28MAY04A 04	RINSE	0.93566	425582		0.017	28-May-04	13:59:26	0
5	28MAY04A 05	0 STD (ALL)	0.95977	436548		0.017	28-May-04	14:02:32	0
6	28MAY04A 06	0.1(MO)_ 2 (AL) STD	0.99882	454312		0.016	28-May-04	14:05:37	0
7	28MAY04A 07	LOW STD (ALL)	0.97156	441911		0.015	28-May-04	14:08:42	0
8	28MAY04A 08	MID STD (ALL)	0.99143	450948		0.020	28-May-04	14:11:48	0
9	28MAY04A 09	HIGH STD (ALL)	1.0784	490516		0.012	28-May-04	14:14:54	0
10	28MAY04A 10	HIGH STD READBACK	1.0428	474306		0.011	28-May-04	14:18:01	0
11	28MAY04A 11	ICV	1.0277	467436		0.014	28-May-04	14:21:08	0
12	28MAY04A 12	ICB	1.0106	459652		0.015	28-May-04	14:29:15	0
13	28MAY04A 13	CRI (AL_MO)	1.0150	461661		0.014	28-May-04	14:34:22	0
14	28MAY04A 14	IP040521-1MB 10X	1.0528	478846		0.014	28-May-04	14:37:29	0
15	28MAY04A 15	IP040521-1LCS 10X	1.0193	463640		0.025	28-May-04	14:40:34	0
16	28MAY04A 16	0405095-1 10X	0.96770	440157		0.019	28-May-04	14:43:40	0
17	28MAY04A 17	0405095-1D 10X	1.0120	460303		0.017	28-May-04	14:46:46	0
18	28MAY04A 18	0405095-1L 50X	0.97548	443692		0.014	28-May-04	14:49:53	0
19	28MAY04A 19	0405095-1MS 10X	1.0282	467655		0.012	28-May-04	14:53:00	0
20	28MAY04A 20	0405095-1MSD 10X	1.0358	471117		0.013	28-May-04	14:56:07	0
21	28MAY04A 21	0405095-4 10X	1.0689	486177		0.012	28-May-04	14:59:14	0
22	28MAY04A 22	0405095-6 10X	1.0439	474803		0.013	28-May-04	15:02:22	0
23	28MAY04A 23	CCV	0.95716	435363		0.015	28-May-04	15:05:31	0
24	28MAY04A 24	CCB	0.85195	387505		0.018	28-May-04	15:08:39	0
25	28MAY04A 25	IP040528-3MB 10X	0.98516	448097		0.014	28-May-04	15:23:23	0
26	28MAY04A 26	IP040528-3LCS 10X	1.0123	460447		0.013	28-May-04	15:26:29	0
27	28MAY04A 27	0405095-6 10X	1.0367	471528		0.013	28-May-04	15:29:38	0

Quantify Compound Summary Report
28MAY04A

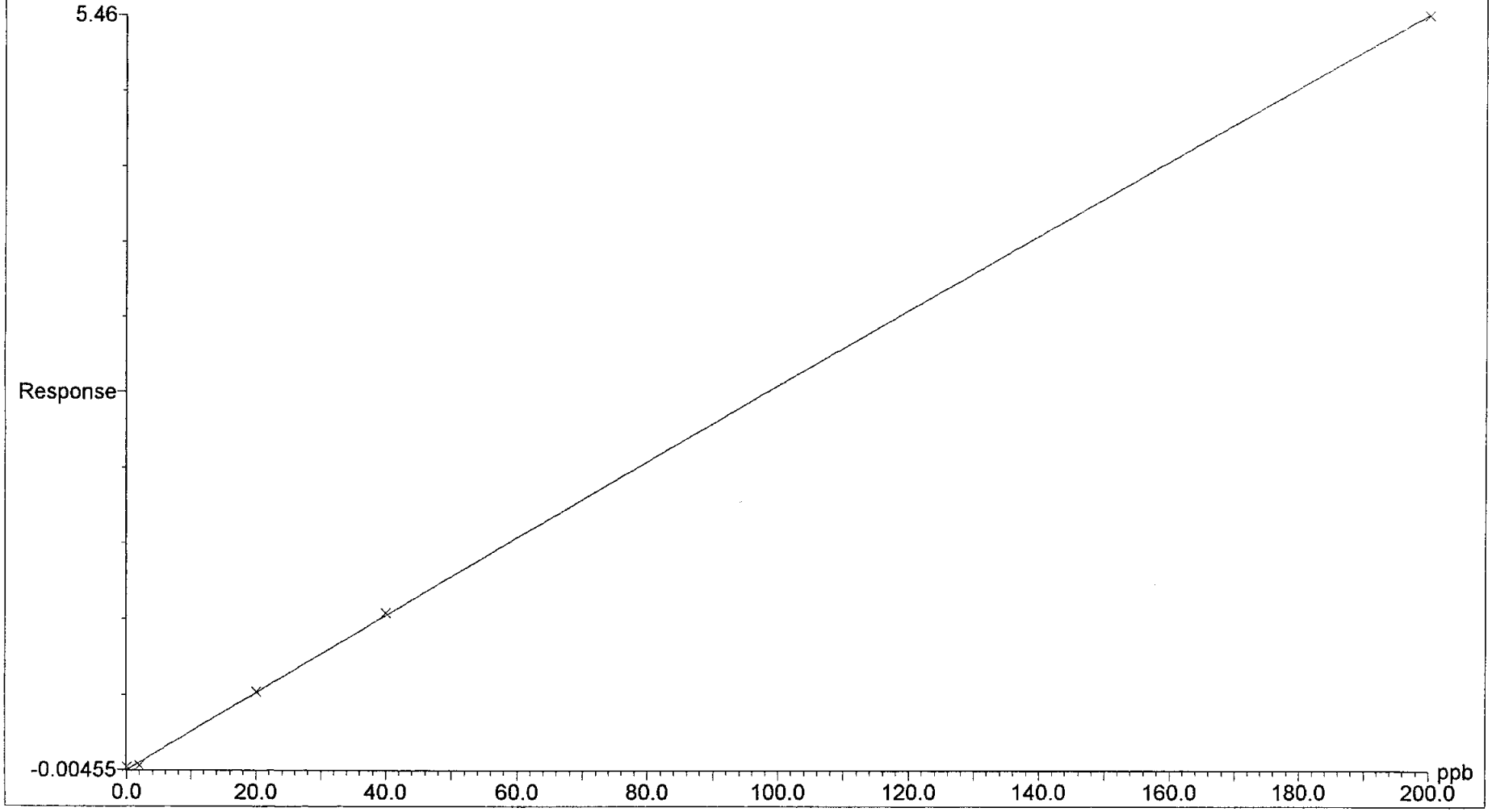
Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\28may04a
Last modified: Fri May 28 15:23:03 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\AL +IS
Last modified: Fri May 28 15:47:01 2004
Job Code:

Printed: Fri May 28 15:55:17 2004

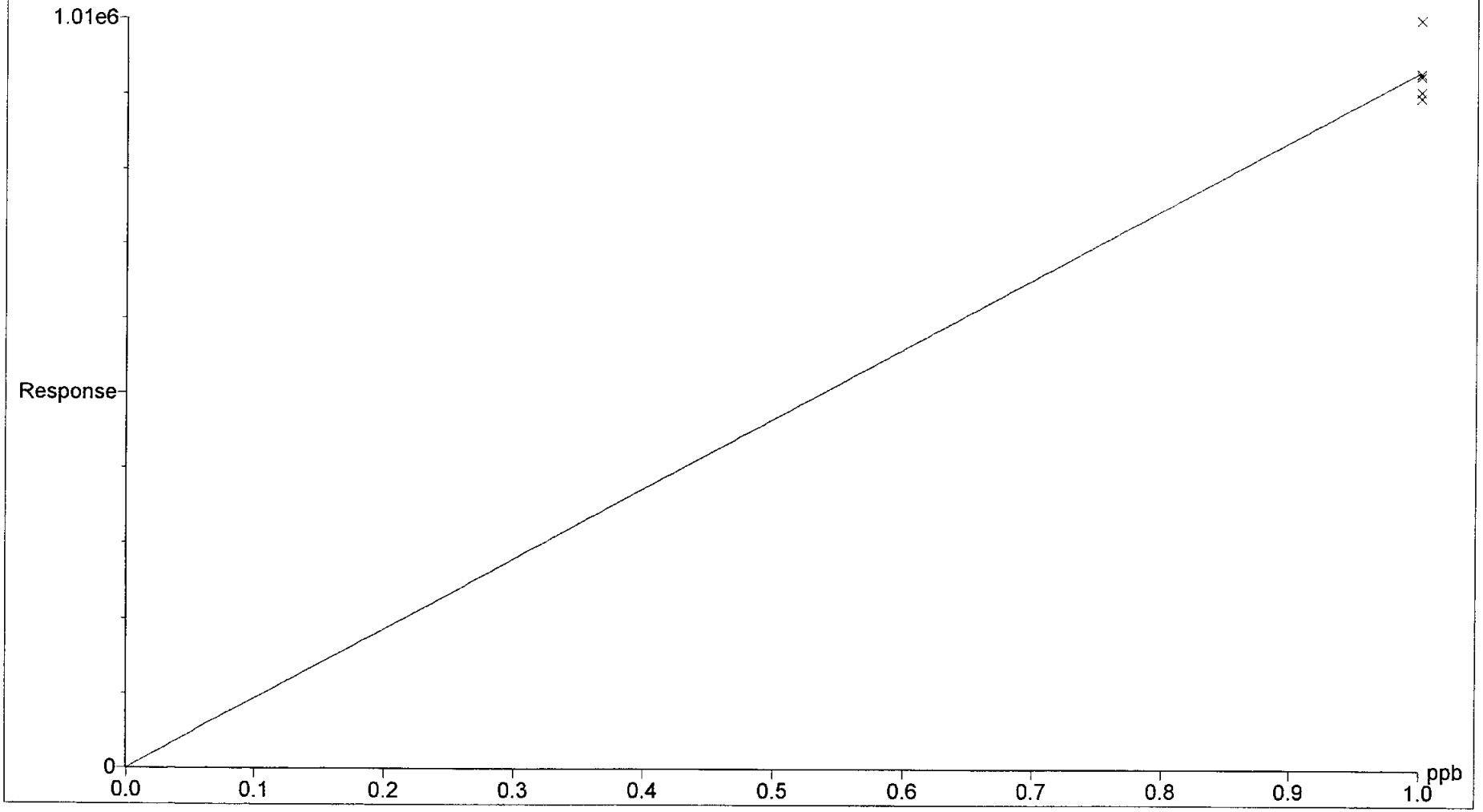
Compound 5: 71Ga

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
28	28MAY04A 28	0405095-6D 10X	1.0333	469981		0.012	28-May-04	15:32:47	0
29	28MAY04A 29	0405095-6L 50X	1.0004	455016		0.015	28-May-04	15:35:54	0
30	28MAY04A 30	0405095-6MS 10X	1.0403	473167		0.013	28-May-04	15:39:00	0
31	28MAY04A 31	0405095-6MSD 10X	0.97125	441770		0.015	28-May-04	15:42:07	0
32	28MAY04A 32	0405095-4 10X	1.0485	476890		0.013	28-May-04	15:45:15	0
33	28MAY04A 33	CCV	1.0043	456803		0.015	28-May-04	15:48:21	0
34	28MAY04A 34	CCB	0.98040	445932		0.015	28-May-04	15:51:29	0
35	28MAY04A 35	RINSE							

Compound 1 name: 27Al
Coefficient of Determination: 0.999925
Calibration curve: -4.67836e-6 * x^2 + 0.0282542 * x + -0.00454701
Response type: Internal Std (Ref 5), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Compound 2 name: 103Rh
Response Factor: 945136
Response type: External Std, Area
Curve type: RF

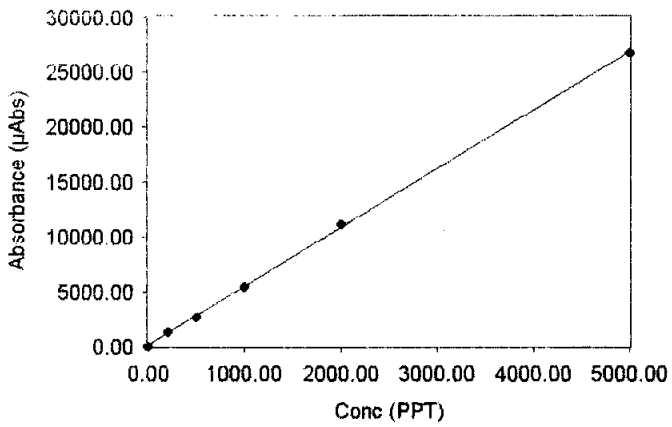


CETAC Hg Analysis Report - 04051701.DB - Monday, May 17, 2004, 4:48:44 PM

Analyst
Date Started Monday, May 17, 2004, 15:09:24
Worksheet PARAGON
Comment

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	17-May-2004, 15:09	0.00	6.86	32.90	33	36	32	30	
Standard #1	17-May-2004, 15:10	200.00	0.25	1370.00	1369	1376	1376	1376	
Standard #2	17-May-2004, 15:12	500.00	0.71	2760.00	2735	2749	2762	2781	
Standard #3	17-May-2004, 15:14	1000.00	0.12	5520.00	5509	5520	5524	5523	
Standard #4	17-May-2004, 15:15	2000.00	0.15	11100.00	11115	11142	11152	11146	
Standard #5	17-May-2004, 15:17	5000.00	0.31	26800.00	26687	26765	26835	26879	

Calibration Data



Int.	193.880
Slope	5.339
Correlation	0.99987

Reviewed SW 5/20/04

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
IPC	17-May-2004, 15:19	2070.00	0.07	11200.00	11232	11233	11227	11217	
ICV	17-May-2004, 15:20	1000.00	0.31	5540.00	5516	5529	5547	5551	
ICB	17-May-2004, 15:22	-31.40	2.44	26.50	26	31	28	21	
CRA	17-May-2004, 15:23	175.00	0.51	1130.00	1124	1124	1129	1134	
HG040517-1MB	17-May-2004, 15:25	-31.90	0.50	23.50	22	24	24	23	
HG040517-1LCS	17-May-2004, 15:26	1000.00	0.16	5540.00	5532	5544	5551	5547	
HG040517-1LCSD	17-May-2004, 15:28	1010.00	0.31	5570.00	5552	5565	5577	5592	
0405104-1	17-May-2004, 15:30	-28.50	1.03	41.70	42	43	39	42	
0405104-1D	17-May-2004, 15:31	-29.50	1.23	36.20	33	37	38	36	
0405104-1MS	17-May-2004, 15:33	1040.00	0.23	5750.00	5735	5750	5759	5764	
0405104-1MSD	17-May-2004, 15:34	1050.00	0.20	5800.00	5787	5801	5807	5813	
0405120-1	17-May-2004, 15:36	-33.00	0.45	17.70	17	18	18	18	
0405120-2	17-May-2004, 15:38	80.10	1.05	621.00	628	620	618	620	
CCV	17-May-2004, 15:39	2030.00	0.42	11000.00	10946	11009	11041	11045	
CCB	17-May-2004, 15:41	-36.00	0.77	1.86	4	0	2	1	
0405095-4	17-May-2004, 15:42	-29.30	1.95	37.20	41	38	33	37	
0405095-6	17-May-2004, 15:44	-29.70	0.92	35.40	34	36	37	34	
~~0405102-1~~	~~17-May-2004, 15:46~~	~~Sat'd.~~	~~0.00~~	~~55600.00~~	~~55551~~	~~55551~~	~~55551~~	~~55551~~	SO
0405126-1	17-May-2004, 15:55	868.00	0.20	4830.00	4836	4840	4828	4819	
0405126-2	17-May-2004, 15:56	249.00	0.10	1520.00	1522	1522	1523	1520	
EX040516-2MB	17-May-2004, 15:58	-43.10	2.43	-36.30	-31	-33	-38	-44	
EX040516-2LCS	17-May-2004, 15:59	968.00	0.20	5360.00	5350	5363	5368	5374	
CCV	17-May-2004, 16:01	1960.00	0.52	10700.00	10597	10623	10670	10720	
CCB	17-May-2004, 16:03	-41.20	1.82	-26.10	-25	-23	-25	-32	
0405075-6	17-May-2004, 16:04	-7.21	10.00	155.00	159	157	155	150	
0405075-6D	17-May-2004, 16:06	-9.45	8.83	143.00	145	147	145	137	
0405075-6MS	17-May-2004, 16:07	2170.00	0.74	11800.00	11703	11765	11836	11901	
0405075-6MSD	17-May-2004, 16:09	2150.00	0.06	11700.00	11695	11704	11703	11689	
CCV	17-May-2004, 16:11	2000.00	0.06	10900.00	10845	10854	10860	10859	
CCB	17-May-2004, 16:12	-38.70	1.67	-12.90	-9	-11	-14	-17	
CCV	17-May-2004, 16:24	2000.00	0.13	10800.00	10845	10859	10861	10832	
CCB	17-May-2004, 16:25	-34.80	0.99	7.92	9	8	9	5	
0405102-1 400X	17-May-2004, 16:33	2800.00	0.18	15200.00	15113	15154	15172	15170	
0405102-1D 400X	17-May-2004, 16:34	2790.00	0.18	15100.00	15068	15098	15123	15125	
0405102-1MS 400X	17-May-2004, 16:36	2730.00	0.16	14800.00	14728	14762	14778	14778	
0405102-1MSD 400X	17-May-2004, 16:38	3050.00	0.67	16500.00	16355	16482	16571	16599	

Do not use RE 5/12/04

U00287

CETAC Hg Analysis Report - 04051701.DB - Monday, May 17, 2004, 4:48:45 PM

Analyst
Date Started Monday, May 17, 2004, 16:39:40
Worksheet PARAGON
Comment

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
~~0405126-1~~	~~17-May-2004, 16:39~~	~~865.00~~	~~0.36~~	~~4810.00~~	~~4788~~	~~4809~~	~~4816~~	~~4828~~	Do not use AF 5/12/04
~~0405126-2~~	~~17-May-2004, 16:41~~	~~270.00~~	~~0.38~~	~~1670.00~~	~~1662~~	~~1668~~	~~1673~~	~~1674~~	
CCV	17-May-2004, 16:42	1970.00	0.22	10700.00	10707	10732	10749	10761	
CCB	17-May-2004, 16:44	-36.70	1.78	-1.81	3	-2	-3	-5	

Miscellaneous

METALS DIGESTION WORKSHEET

Paragon Analytics

Digestion Date 5/21/04 | HCl Lot No. X25027 | Method: 3005 | Beaker Lot No. 3151793 | Initial Prep PM | Final Prep PM

Digestion Batch 1P040521-1 | HNO_3 Lot No. Y42044 | SOP/Rev: 806 rev 9 | Avg. Beaker Wt. (g) 7.50 | Prep Start Time 1210 | Prep End Time 1710

Water Bath Temp 95 °C | Peroxide Lot No. N/A | Balance(s): #4 | Digestate Wt. (g) 51.18

Form 805r15.xls (1/8/04) | Pipet(s): M-51 | This worksheet is reviewed in-process; **reviewer's initials** RC. | 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
1	0405095-1	Tr/MS	50.0	50.0	58.7	<2	N/A	COLORLESS	CLEAR	COLORLESS	CLEAR	Tr-TAL-Ag, Al, Cd, Pb, Sb, Tl	1/2
	-2		50.0		58.7							MS-Ag, Al, Cd, Pb, Sb, Tl & U	
	-3		50.0		58.7								
	-4		50.0		58.7			YELLOW					
	-5		50.0		58.7			COLORLESS					
	-6		50.0		58.7								
	-7		50.0		58.7								
	-8		50.0		58.7								
	-9		50.0		58.7								
	-10		50.0		58.7								

5/21/04 PM

QCA BZ MS

ICP					
LCS	1P040521-1LCS	Tr	50.0	50.0	58.7
~~LCS 2~~		5/21/04 PM			

ICP MS					
LCS	1M040521-1LCS	MS	50.0	50.0	58.7
~~LCS 2~~		5/21/04 PM			
PB	1P040521-1MB	Tr/MS	50.0	50.0	58.7
#1 D	0405095-1MSD 5/21/04 PM	Tr/MS	50.0		58.7
S	-1MS	Tr	50.0		58.7
D	-1MSD		50.0		58.7

(Note: QC Sample information presented at left.)

Fill out info. below only if additional batch QC samples are needed.

	MS Lab Sample ID	Init Vol/Wt. (mL/g)	Final Vol. (mL)	Target Wt. (g)
#2 D	0405095-1MS	50.0	50.0	58.7
S	-1MSD	50.0		58.7
DS				
#3 D		5/21/04 PM		
S				
DS				

Spiking Information

LCS (TRACE)	Amount
ST040423-7 (Z)	1.0mL
ST040511-8 (CATION)	1.0mL
(MS)	
ST040301-10	0.5mL
ST030710-3	0.5mL

Spiking Solution(s)	Amount
SAME AS LCS ABOVE 5/21/04 PM	

000290

277928

METALS DIGESTION WORKSHEET

Paragon Analytics

Digestion Date 5/28/04 | HCl Lot No. X23027 | Method: 3005 | Beaker Lot No. 3151793 | Initial Prep fm | Final Prep fm

Digestion Batch 1P040528-3 | HNO_3 Lot No. 442044 | SOP/Rev: 806 REV 9 | Avg. Beaker Wt. (g) 7.50 | Prep Start Time 1300 | Prep End Time 1530

Water Bath Temp 95 °C | Peroxide Lot No. N/A | Balance(s): #4 | Digestate Wt. (g) 51.18

Form 805r15.xls (1/8/04) | Pipet(s): M-51

This worksheet is reviewed in-process; **reviewer's initials** RFM 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
	0405095-4	MS	50.0	50.0	58.7	<2	N/A	COLORLESS	CLEAR	COLORLESS	CLEAR	P1	
	-6		50.0		58.7								
						5/28/04 fm							
ICP													
LCS	1P040528-3LCS	MS	50.0	50.0	58.7								
~~LCS 2~~													
ICP MS	5/28/04												
LCS		fm											
~~LCS 2~~													
PB	1P040528-3MB	MS	50.0	50.0	58.7								
#1 D	0405095-6D		50.0		58.7								
S	-6MS		50.0		58.7								
DS	-6MSD		50.0		58.7								

(Notes: 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		5/28/04		
#3 D		fm		
S				
DS				

Spiking Information

LCS	Amount
STO30710-3	0.5mL

Spiking Solution(s)	Amount
SAME AS LCS ABOVE 5/28/04 fm	

R00281

277545

Paragon Analytics, Inc.

MERCURY DIGESTION - WATER/TCLP

Method: 245.1 / 7470 SOP 812 / Rev: 10 Page 1 of 1

Digestion Date 5/17/04 Digestion Analyst RF Spike Witness NA

Water Bath Temp. 95 °C Time on 11:00 Time off 1:00 267539

Date Analyzed 5/17/04 Analyst RF Analytical Filename 04051701

Tube #	Solution ID	Spike Solution	Spike Volume (mL)	H_2O Added (mL)	Sample Aliquot (mL or g)	Final Volume (mL)	Comments
STD 1	0 ppb	-	-	20.0	-	20.0	
2	0.2 ppb	A	0.04	20.0	-	20.0	
3	0.5 ppb	A	0.1	19.9	-	20.0	
4	1.0 ppb	A	0.2	19.8	-	20.0	
5	2.0 ppb	A	0.4	19.6	-	20.0	
6	5.0 ppb	A	1.0	19.0	-	20.0	
SAMPLE 1	ICV	B	0.2	19.8	-	20.0	
2	ICB / CCB	-	-	20.0	-	20.0	
3	CRA-0.2 ppb	A	0.04	20.0	-	20.0	
4	H6040517-1MB	—	—	20.0	20.0	20.0	
5	-1LCS	A	0.2	~~20.0~~ 19.8 RF 5/17/04	20.0	20.0	
6	-1LCSD	A	0.2	19.8	20.0	20.0	
7	0405104-1	—	—	—	20.0	20.0	245.1
8	-10	—	—	RF 5/17/04	20.0	20.0	
9	-1MS	A	0.2	—	20.0	20.0	
10	-1MSD	A	0.2	—	20.0	20.0	
11	0405120-1	—	—	—	20.0	20.0	
12	-2	—	—	—	20.0	20.0	
13	0405095-4	—	—	—	20.0	20.0	
14	-6	—	—	—	20.0	20.0	
15	0405102-1	—	—	—	20.0	20.0	
16	-10	—	—	—	20.0	20.0	
17	-1MS	A	0.4	—	20.0	20.0	
18	-1MSD	A	0.4	—	20.0	20.0	
19	0405126-1	—	—	—	20.0	20.0	
20	-2	—	—	—	20.0	20.0	
21	EX040516-2MB	—	—	18.0	2.0	20.0	
22	-2LCS	A	0.2	17.8	2.0	20.0	
23	0405075-6	—	—	18.0	2.0	20.0	
24	-6D	—	—	18.0	2.0	20.0	
25	-6MS	A	0.4	17.6	2.0	20.0	
26	-6MSD	A	0.4	17.6	2.0	20.0	
27	CCV	A	0.4	19.6	—	20.0	

Reagent Lots: H_2SO_4 43212 HNO_3 X42044 HCl X25027 $KMnO_4$- R6040506-2
$K_2S_2O_8$- R6031119-5 SnCl- R6040511-4 Hydroxylamine R6040415-1

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-50, M-56

Reviewed by _____ **Date** _____

Form 808r14(a).doc (11/4/2003)